

The Andijan Project Workbook

SHEET ONE - Instructions

This workbook consists of 15 worksheets as described in the table below. Only the sheets highlighted in yellow below require any input from the operator:

Sheet	Title	Description
Sheet One	Instructions	Introduction and instructions for MP worksheet use
Sheet Two	MP summary	This sheet provides the annual summary of the total CO2 savings generated by the sum of the contributions from the different project activities.
Sheet Three	Factors and assumptions	Lists all assumptions and conversion factors as determined by the Baseline Study and the Monitoring Plan and remaining stable for the duration of the project or until the baseline calculation would need to be adjusted according to MP Section 2.2, whatever occurs first.
Sheet Four - Sheet Fifteen	SP1- SP12	For each sub-project (SP) a seperate SP-sheet for data input and calculation is used. Here, both the monthly and the annual input of databy the operator (NEWCO) is necessary.

Note on units: Compared to the new monitoring methodology which uses SI-units, the present work-book uses in some instances non-SI units in line with local practice (such as GCal in-stead of GJ), to simplify the work for operators and to omit errors from unit conversions during the completion of the workbook.

Key for field colours:

Title field

Unit field

Input field (monthly)

Input field (annually)

Restated amount field

Calculation field

The operator should enter data into the **yellow** cells only.

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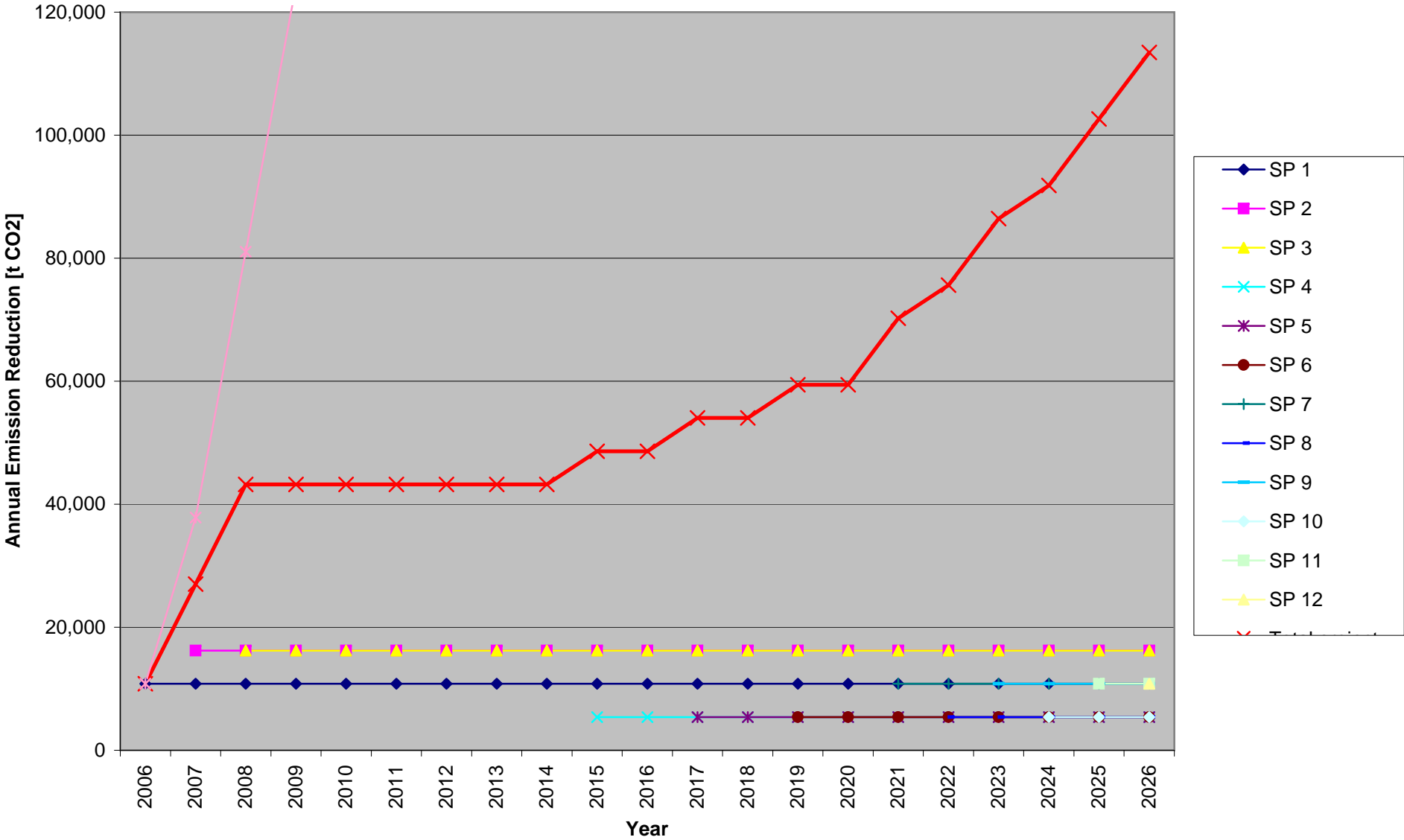
SHEET MP summary worksheet

This sheet provides the annual summary of the total CO2 savings generated by the sum of the contributions from the different project activities (SP).

Factor:	Year	Year of Project	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Annual emission reduction	Cumulat. emission reductions
SP:			SP 1	SP 2	SP 3	SP 4	SP 5	SP 6	SP 7	SP 8	SP 9	SP 10	SP 11	SP 12	Total project	Total project cum.
Symbol:	YEAR	Y														
Unit:		yr	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]	[tCO2]
Remark:																
	2006	1	10,804												10,804	10,804
	2007	2	10,804	16,207											27,011	37,815
	2008	3	10,804	16,207	16,207										43,217	81,033
	2009	4	10,804	16,207	16,207										43,217	124,250
	2010	5	10,804	16,207	16,207										43,217	167,468
	2011	6	10,804	16,207	16,207										43,217	210,685
	2012	7	10,804	16,207	16,207										43,217	253,903
	2013	8	10,804	16,207	16,207										43,217	297,120
	2014	9	10,804	16,207	16,207										43,217	340,337
	2015	10	10,804	16,207	16,207	5,402									48,620	388,957
	2016	11	10,804	16,207	16,207	5,402									48,620	437,577
	2017	12	10,804	16,207	16,207	5,402	5,402								54,022	491,599
	2018	13	10,804	16,207	16,207	5,402	5,402								54,022	545,620
	2019	14	10,804	16,207	16,207	5,402	5,402	5,402							59,424	605,044
	2020	15	10,804	16,207	16,207	5,402	5,402	5,402							59,424	664,468
	2021	16	10,804	16,207	16,207	5,402	5,402	5,402	10,804						70,228	734,697
	2022	17	10,804	16,207	16,207	5,402	5,402	5,402	10,804	5,402					75,631	810,327
	2023	18	10,804	16,207	16,207	5,402	5,402	5,402	10,804	5,402	10,804				86,435	896,762
	2024	19	10,804	16,207	16,207	5,402	5,402	5,402	10,804	5,402	10,804	5,402			91,837	988,599
	2025	20	10,804	16,207	16,207	5,402	5,402	5,402	10,804	5,402	10,804	5,402	10,804		102,641	1,091,241
	2026	21	10,804	16,207	16,207	5,402	5,402	5,402	10,804	5,402	10,804	5,402	10,804	10,804	113,446	1,204,687
	Total C.P.		226,892	324,131	307,924	64,826	54,022	43,217	64,826	27,011	43,217	16,207	21,609	10,804		

Only SP1 - SP 3 considered:

Annual emission reduction	Cumulat. emission reductions
Total project	Total project cum.
[tCO2]	[tCO2]
10,804	10,804
27,011	37,815
43,217	81,033
43,217	124,250
43,217	167,468
43,217	210,685
43,217	253,903
43,217	297,120
43,217	340,337
43,217	383,555
43,217	426,772
43,217	469,990
43,217	513,207
43,217	556,425
43,217	599,642
43,217	642,860
43,217	686,077
43,217	729,295
43,217	772,512
43,217	815,729
43,217	858,947



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SHEET - Factors and Assumptions

Lists all assumptions and conversion factors as determined by the Baseline Study and the Monitoring Plan and remaining stable for the duration of the project or until the baseline calculation would need to be adjusted according to MP Section 2.2, whatever occurs first.

Conversion factors			
	Variable	Unit	Value
Carbon content	A	[tCO ₂ /tC]	3.667
Energy 1	B	[MJ/MWh]	3600
Energy 2	C	[J/Cal]	4.187

General assumptions and additional factors				
	Variable	Unit	Value	Data souce
Specific heat of water	Cp_WATER	[MJ/m ³ K]	4.187	Physics Handbook

Assumptions baseline (ADHC)				
	Variable	Unit	Value	Data souce
Specific baseline technology emission factor	EF_BLS	[tCO ₂ /GJ]	0.15873	PDD, Table 6
<i>Ex-ante</i> Electricity EF fossil Uzbekistan	EF_Fossil_ea	[gCO ₂ /kWh]	536.6	PDD, Table 6

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SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 1
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:		yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Feb-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Mar-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Apr-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	May-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jun-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jul-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Aug-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Sep-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Oct-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Nov-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Dec-06	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jan-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Feb-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Mar-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Apr-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	May-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jun-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jul-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Aug-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Sep-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Oct-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Nov-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Dec-07	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jan-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Feb-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Mar-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Apr-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	May-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jun-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Jul-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Aug-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Sep-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			
	Oct-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	140,000	536.6	12,355			

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Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	(Info only)	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO2/kWh]	[GJ]		
	Nov-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-08	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-09	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-10	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-11	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-12	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	1
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

Project activity specific emission calculation

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions
Symbol: Unit:	MONTH	Y yr	eta_boiler [%] (Info only)	eta_network [%] (Info only)	eta_system [%] (Info only)	LFO_Emissions [tCO2]	NG_Emissions [tCO2]	EF_Grid [gCO2/kWh]	CO2E_CDM [tCO2]	CO2_E_Actual [tCO2]	[tCO2]
	Nov-08	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-08	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-09	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-10	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-11	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-12	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	

Emission reduction calc.

[illegible]

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 1
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	(Info only)	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO2/kWh]	[GJ]		
	Nov-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-13	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-14	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-15	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-16	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-17	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-18	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	1
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	Grid_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-13	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-14	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-15	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-16	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-17	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 1
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO₂/kWh]	[GJ]			
(Info only)																			
	Nov-18	13	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-18	13	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-19	14	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-20	15	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-21	16	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-22	17	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-23	18	192.030	236,283	23.33	10.15	0.0202	8,249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 1
of nano-regions in this S2
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation										Emission reduction calc.				
Month	Year of SP		NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions		Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual			GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]		[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)												
	Nov-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-18	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-19	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-20	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-21	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-22	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 1
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh] (Info only)	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
	Nov-23	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-23	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jan-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Feb-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Mar-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Apr-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	May-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jun-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jul-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Aug-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Sep-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Oct-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Nov-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-24	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jan-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Feb-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Mar-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Apr-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	May-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jun-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jul-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Aug-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Sep-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Oct-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Nov-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-25	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jan-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Feb-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Mar-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Apr-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	May-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jun-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jul-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Aug-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Sep-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Oct-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Nov-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-26	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 1
of nano-regions in this S2
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation											Emission reduction calc.					
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-23	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-24	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-25	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-26	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
Unit:	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Fumace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:		yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-07	1	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-08	2	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-09	3	288.045	354,425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ GJ]	(Info only)	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]		
	Nov-09	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-09	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-10	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-11	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-12	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-13	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	2
# of nano-regions in this S3	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartment heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
	Nov-09	3	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-09	3	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-10	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-11	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-12	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-13	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	(Info only)	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO2/kWh]	[GJ]		
	Nov-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-14	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-15	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-16	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-17	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-18	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Na
Boilerhouses in this SP: Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-14	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-15	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-16	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-17	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-18	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				

Emission reduction calc.				
Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
GJ_heat		[tCO2/GJ]	[tCO2/GJ]	[tCO2]
[GJ]	[GJ]			

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y	[tCO2]	[tCO2]
	yr		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation**Control**

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ GJ]	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-19	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-20	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-21	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-22	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-23	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation									Emission reduction calc.				
Month	Year of SP		NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533				
	Dec-19	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533	222,390	0.15873	0.08586	16,207
	Jan-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533				
	Dec-20	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533	222,390	0.15873	0.08586	16,207
	Jan-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-21	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-22	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-23	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 2

of nano-regions in this S3

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-24	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-25	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-26	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-27	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 2
of nano-regions in this S3
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation											Emission reduction calc.					
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-24	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-25	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-26	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-27	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
Unit:	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Fumace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-08	1	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-09	2	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	(Info only)	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO2/kWh]	[GJ]		
	Nov-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-10	3	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-11	4	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-12	5	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-13	6	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-14	7	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation

Emission reduction calc.

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual	
Unit:		yr	[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]
	Nov-10	3	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Dec-10	3	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61
	Jan-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Feb-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Mar-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Apr-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	May-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jun-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jul-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Aug-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Sep-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Oct-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Nov-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Dec-11	4	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61
	Jan-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Feb-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Mar-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Apr-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	May-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jun-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jul-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Aug-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Sep-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Oct-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Nov-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Dec-12	5	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61
	Jan-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Feb-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Mar-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Apr-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	May-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jun-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jul-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Aug-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Sep-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Oct-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Nov-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Dec-13	6	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61
	Jan-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Feb-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Mar-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Apr-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	May-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jun-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jul-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Aug-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Sep-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Oct-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Nov-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Dec-14	7	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61
	Jan-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Feb-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Mar-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Apr-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	May-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jun-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Jul-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Aug-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Sep-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	
	Oct-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-15	8	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-16	9	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-17	10	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-18	11	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-19	12	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			

SHEET Sub-Project (SI

and provides emission calculation

Boilerhouses in this SP: Boi

Factor: Month Year of SP			Project activity specific emission calculation									Emission reduction calc.				
Symbol: Unit:	MONTH	Y	NEWCO Boilerhouse efficiency [%] (Info only)	NEWCO network efficiency [%] (Info only)	NEWCO system efficiency [%] (Info only)	NEWCO LFO emissions [tCO2]	NEWCO NG emissions [tCO2]	Grid electricity emission factor [gCO2/kWh]	NEWCO electricity emissions [tCO2]	NEWCO total actual emissions [tCO2]	Annual emissions [tCO2]	Apartments heat and hot water input [GJ]	Annual apartments heat and hot water input [GJ]	Baseline technology emission factor [tCO2/GJ]	Annual project technology emission factor [tCO2/GJ]	Annual emission reduction [tCO2]
			eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
	yr															
	Nov-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-15	8	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-16	9	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-17	10	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-18	11	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-19	12	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments average heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ GJ]	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-20	13	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-21	14	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-22	15	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-23	16	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Nov-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Dec-24	17	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jan-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Feb-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Mar-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Apr-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	May-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jun-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Jul-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Aug-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Sep-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			
	Oct-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	210,000	536.6	18,533			

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	3
# of nano-regions in this S3	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
	Nov-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-20	13	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-21	14	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-22	15	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-23	16	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-24	17	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-25	18	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-26	19	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-27	20	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jan-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Feb-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Mar-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Apr-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	May-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jun-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Jul-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Aug-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Sep-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Oct-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Nov-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		
	Dec-28	21	288.045	354.425	35.00	10.15	0.0202	8.249	0.0151	5,535	5,147.9	0	0	0	210,000	536.6	18,533		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 3
of nano-regions in this S3
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation											Emission reduction calc.					
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-25	18	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-26	19	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-27	20	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207
	Jan-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Feb-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Mar-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Apr-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	May-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jun-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Jul-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Aug-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Sep-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Oct-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Nov-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13		18,533				
	Dec-28	21	81.4%	93.0%	75.7%	897.565	674.788	536.6000	18.7810	1591.13	19093.61	18,533	222,390	0.15873	0.08586	16,207

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
Unit:	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 4
of nano-regions in this S 1
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-15	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-16	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Identifier of SP:	4
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]
2015	1	5,402	5,402
2016	2	5,402	10,804
2017	3	5,402	16,207
2018	4	5,402	21,609
2019	5	5,402	27,011
2020	6	5,402	32,413
2021	7	5,402	37,815
2022	8	5,402	43,217
2023	9	5,402	48,620
2024	10	5,402	54,022
2025	11	5,402	59,424
2026	12	5,402	64,826
2027	13	5,402	70,228
2028	14	5,402	75,631
2029	15	5,402	81,033
2030	16	5,402	86,435
2031	17	5,402	91,837
2032	18	5,402	97,239
2033	19	5,402	102,641
2034	20	5,402	108,044
2035	21	5,402	113,446

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 4

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-17	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-18	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-19	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-20	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-21	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	4
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-17	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-17	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-18	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-19	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-20	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-21	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
yr		[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 4

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-22	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-23	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-24	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-25	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-26	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

The Andijan Proj

SHEET Sub-Project (SI

This sheet lists all the parame
and provides emission calcula

Identifier of SP: 4
of nano-regions in this S1
Description of SP: Na
Boilerhouses in this SP: Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-22	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-23	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-24	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-25	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-26	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 4

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-27	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-28	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-29	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-30	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-31	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 4
of nano-regions in this S1
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation										Emission reduction calc.				
Month	Year	of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions		Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual			GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]		[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)												
	Nov-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-27	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-28	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-29	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-30	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-31	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 4
of nano-regions in this S 1
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-32	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-33	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-34	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-35	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 4
of nano-regions in this S1
Description of SP: Na
Boilerhouses in this SP: Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-32	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-33	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-34	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-35	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5
of nano-regions in this S 1
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-17	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-18	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-19	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-20	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-21	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-22	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-23	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	5
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation							Emission reduction calc.						
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
	Nov-19	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-19	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-20	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-21	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2							

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-24	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-25	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-26	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-27	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-28	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	5
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartment heat and hot water input	Annual apartment heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
	Nov-24	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-24	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-25	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-26	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-27	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-28	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ NG]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-29	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-30	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-31	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-32	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-33	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (S1)
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 5
of nano-regions in this S1
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation										Emission reduction calc.				
Month	Year	of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions		Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual			GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]		[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)												
	Nov-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-29	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-30	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-31	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-32	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-33	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-34	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-35	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-36	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-37	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	5
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
	Nov-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-34	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-35	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-36	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-37	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5
of nano-regions in this S 1
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-19	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-20	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-21	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-22	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-23	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-24	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-25	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	5
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-21	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-21	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-22	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-23	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-24	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-25	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-26	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-27	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-28	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-29	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-30	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

The Andijan Proj

SHEET Sub-Project (SI

This sheet lists all the parame
and provides emission calcula

Identifier of SP: 5
of nano-regions in this S1
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation										Emission reduction calc.				
Month	Year	of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions		Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual			GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]		[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)												
	Nov-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-26	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-27	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-28	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-29	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Nov-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Dec-30	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54		6,178	74,130	0.15873	0.08586	5,402
	Jan-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Feb-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Mar-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Apr-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	May-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jun-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Jul-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Aug-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Sep-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				
	Oct-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38			6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-31	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-32	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-33	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-34	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-35	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	5
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-31	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-32	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-33	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-34	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-35	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 5

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-36	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-37	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-38	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-39	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	5
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-36	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-37	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-38	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-39	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 7
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-21	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-22	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 7
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																Control			
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-23	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-24	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-25	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-26	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-27	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	7
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

Project activity specific emission calculation

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions
Symbol: Unit:	MONTH	Y yr	eta_boiler [%] (Info only)	eta_network [%] (Info only)	eta_system [%] (Info only)	LFO_Emissions [tCO2]	NG_Emissions [tCO2]	EF_Grid [gCO2/kWh]	CO2E_CDM [tCO2]	CO2_E_Actual [tCO2]	[tCO2]
	Nov-23	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-23	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-24	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-25	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-26	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-27	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	

Emission reduction calc.

[illegible]

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 7
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																Control			
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-28	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-29	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-30	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-31	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-32	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	7
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	Grid_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-28	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-29	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-30	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-31	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-32	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 7
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																Control			
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-33	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-34	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-35	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-36	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-37	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	7
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity actual emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-33	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-34	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-35	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-36	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-37	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
yr		[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 7

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-38	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-39	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-40	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-41	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 7
of nano-regions in this S2
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation											Emission reduction calc.					
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-38	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-39	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-40	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-41	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
Unit:	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 8
of nano-regions in this S 1
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-22	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-23	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 8

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-24	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-25	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-26	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-27	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-28	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	8
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-24	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-24	3	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-25	4	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-26	5	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-27	6	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-28	7	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 8

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ NGJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-29	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-30	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-31	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-32	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-33	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	8
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-29	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-30	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-31	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-32	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-33	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 8

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ NGJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-34	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-35	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-36	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-37	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-38	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

The Andijan Proj

SHEET Sub-Project (SI

This sheet lists all the parame
and provides emission calcula

Identifier of SP: 8
of nano-regions in this S 1
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation									Emission reduction calc.				
Month	Year	of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-34	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-35	14	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-36	15	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-37	16	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-38	17	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 8

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-39	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-40	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-41	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-42	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 8
of nano-regions in this S1
Description of SP: Na
Boilerhouses in this SP: Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-39	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-40	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-41	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-42	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 9
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Fumace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-23	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-24	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 9
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																Control			
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-25	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-26	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-27	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-28	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-29	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	9
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity actual emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-25	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-25	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-26	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-27	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-28	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-29	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
yr		[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 9
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																Control			
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-30	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-31	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-32	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-33	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-34	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	9
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity actual emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-30	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-31	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-32	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-33	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-34	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
yr		[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 9
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments average heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO₂/kWh]	[GJ]			
(Info only)																			
	Nov-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-35	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-36	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-37	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-38	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-39	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 9
of nano-regions in this S2
Description of SP: Na
Boilerhouses in this SP: Boi

Factor:			Project activity specific emission calculation										Emission reduction calc.				
Month	Year	of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions		Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual			GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]		[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)												
	Nov-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-35	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-36	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-37	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-38	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Nov-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Dec-39	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		12,355	148,260	0.15873	0.08586	10,804
	Jan-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Feb-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Mar-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Apr-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	May-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jun-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Jul-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Aug-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Sep-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				
	Oct-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76			12,355				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 9

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh] (Info only)	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
	Nov-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-40	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jan-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Feb-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Mar-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Apr-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	May-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jun-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jul-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Aug-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Sep-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Oct-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Nov-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-41	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jan-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Feb-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Mar-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Apr-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	May-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jun-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jul-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Aug-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Sep-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Oct-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Nov-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-42	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jan-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Feb-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Mar-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Apr-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	May-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jun-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Jul-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Aug-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Sep-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Oct-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Nov-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			
	Dec-43	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3.431.9	0	0	140,000	536.6	12.355			

SHEET Sub-Project (SI
This sheet lists all the parame
and provides emission calcula

Identifier of SP: 9
of nano-regions in this S2
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation											Emission reduction calc.					
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-40	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-41	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-42	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-43	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
Unit:	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 10
of nano-regions in this S 1
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:		yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-24	1	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-25	2	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: **10**

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-26	3	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-27	4	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-28	5	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-29	6	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-30	7	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: **10**

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ NGJ]	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-31	8	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-32	9	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-33	10	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-34	11	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-35	12	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Control

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	10
# of nano-regions in this S1	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:	yr		[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-31	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-31	8	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-32	9	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-33	10	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-34	11	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-35	12	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-36	13	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: **10**

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation**Control**

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ NGJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-36	13	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-37	14	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-38	15	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-39	16	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-40	17	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 10

of nano-regions in this S 1

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-41	18	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-42	19	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-43	20	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jan-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Feb-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Mar-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Apr-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	May-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jun-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Jul-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Aug-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Sep-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Oct-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Nov-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		
	Dec-44	21	96.015	118,142	11.67	10.15	0.0202	8.249	0.0151	1,845	1,716.0	0	0	0	70,000	536.6	6,178		

SHEET Sub-Project (SI)
 This sheet lists all the parame
 and provides emission calcula

Identifier of SP: **10**
 # of nano-regions in this S1
 Description of SP: Na
 Boilerhouses in this SP: Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-41	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-41	18	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-42	19	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-43	20	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402
	Jan-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Feb-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Mar-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Apr-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	May-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jun-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Jul-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Aug-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Sep-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Oct-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Nov-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38		6,178				
	Dec-44	21	81.4%	93.0%	75.7%	299.188	224.929	536.6000	6.2603	530.38	6364.54	6,178	74,130	0.15873	0.08586	5,402

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
Unit:	yr	[tCO2]	[tCO2]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 11

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control				
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data		
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID						
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]	[Date]	[Name]	[Name]		
										(Info only)											
	Jan-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Feb-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Mar-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Apr-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	May-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jun-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jul-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Aug-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Sep-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Oct-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Nov-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Dec-25	1	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jan-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Feb-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Mar-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Apr-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	May-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jun-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jul-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Aug-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Sep-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Oct-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Nov-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Dec-26	2	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jan-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Feb-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Mar-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Apr-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	May-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jun-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Jul-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Aug-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Sep-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				
	Oct-27	3	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355				

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 11
 # of nano-regions in this S2
 Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
 Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ GJ]	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-27	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-27	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-28	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-29	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-30	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-31	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-32	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

The Andijan Projk

SHEET Sub-Project (SI

This sheet lists all the parame
and provides emission calcula

Identifier of SP: 11
of nano-regions in this S2
Description of SP: Na
Boilerhouses in this SP: Boi

Project activity specific emission calculation

Emission reduction calc.

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual	
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]
			(Info only)	(Info only)	(Info only)						
	Nov-27	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-27	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-28	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-29	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-30	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-31	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO2]	[tCO2]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 11
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm³]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³]	[tC/ GJ]	[MWh]	[MWh]	[M³]	[MWh]	[m²]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-32	8	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-32	8	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-33	9	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-34	10	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-35	11	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-36	12	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-37	13	192.030	236,283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	11
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

Project activity specific emission calculation

Factor:	Month	Year of SP	NEWCO Boilerhouse	NEWCO network	NEWCO system	NEWCO LFO	NEWCO NG	Grid	NEWCO	NEWCO total	Annual
			efficiency	efficiency	efficiency	emissions	emissions	electricity	electricity	actual	
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual	
Unit:		r	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]
	Nov-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-32	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-33	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-34	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-35	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-36	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	

Emission reduction calc.

[illegible]

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 11
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ GJ]	(Info only)	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]		
	Nov-37	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-37	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-38	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-39	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-40	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-41	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3,690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	11
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

Project activity specific emission calculation

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions
Symbol: Unit:	MONTH	Y yr	eta_boiler [%] (Info only)	eta_network [%] (Info only)	eta_system [%] (Info only)	LFO_Emissions [tCO2]	NG_Emissions [tCO2]	EF_Grid [gCO2/kWh]	CO2E_CDM [tCO2]	CO2_E_Actual [tCO2]	[tCO2]
	Nov-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-37	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-38	14	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-39	15	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-40	16	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Nov-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Dec-41	17	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07
	Jan-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Feb-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Mar-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Apr-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	May-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jun-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Jul-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Aug-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Sep-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	
	Oct-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	

Emission reduction calc.

[illegible]

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 11
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-42	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-43	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-44	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-45	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

SHEET Sub-Project (SI

This sheet lists all the parameters and provides emission calculations.

Identifier of SP:	11
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%] (Info only)	[%] (Info only)	[%] (Info only)	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
	Nov-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-42	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-43	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-44	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-45	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804

Annual emission red.			
Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
yr		[tCO ₂]	[tCO ₂]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 12
of nano-regions in this S2
Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City
Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Fumace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:		yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Jan-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-26	1	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-27	2	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 12

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation**Control**

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr		[t]	[Nm³3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm³3]	[tC/ GJ]	[MWh]	[MWh]	[M³3]	[MWh]	[m²2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-28	3	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-29	4	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-30	5	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-31	6	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-32	7	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

Annual emission red.

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartment heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction	
Symbol: Unit:	MONTH	Y	eta_boiler [%]	eta_network [%]	eta_system [%]	LFO_Emissions [tCO2]	NG_Emissions [tCO2]	EF_Grid [gCO2/kWh]	CO2E_CDM [tCO2]	CO2_E_Actual [tCO2]	[tCO2]	GJ_heat [GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]	
			(Info only)	(Info only)	(Info only)												
	Nov-28	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-28	3	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07					12,355	
	Jan-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		148,260		0.15873	0.08586	10,804	
	Feb-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-29	4	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-30	5	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-31	6	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-32	7	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 12

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation**Control**

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-33	8	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-34	9	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-35	10	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-36	11	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-37	12	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartment heat and hot water input	Annual apartment heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction	
Symbol: Unit:	MONTH	Y	eta_boiler [%]	eta_network [%]	eta_system [%]	LFO_Emissions [tCO2]	NG_Emissions [tCO2]	EF_Grid [gCO2/kWh]	CO2E_CDM [tCO2]	CO2_E_Actual [tCO2]	[tCO2]	GJ_heat [GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]	
		yr	(Info only)	(Info only)	(Info only)												
	Nov-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-33	8	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07					12,355	
	Jan-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		148,260		0.15873	0.08586	10,804	
	Feb-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-34	9	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-35	10	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-36	11	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Nov-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Dec-37	12	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07		148,260		0.15873	0.08586	10,804
	Jan-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Feb-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Mar-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Apr-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	May-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jun-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Jul-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Aug-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Sep-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	
	Oct-38	13	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76						12,355	

The Andijan Project Workbook**SHEET Sub-Project (SP) - Inputs and emissions**

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 12

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation**Control**

Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-38	13	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-39	14	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-40	15	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-41	16	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-42	17	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

Identifier of SP:	12
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

Annual emission red.

Year	Year of SP	Annual emission reduction	Cumulat. emission reduction
Year	Y		
	yr	[tCO ₂]	[tCO ₂]

The Andijan Project Workbook

SHEET Sub-Project (SP) - Inputs and emissions

This sheet lists all the parameters which need to be entered by the operator and provides emission calculations for one project activity.

Identifier of SP: 12

of nano-regions in this S2

Description of SP: Nano-regions xyz in xyz district and abc in aaa district of Andijan City

Boilerhouses in this SP: Boilerhouse xx, Boilerhouse yy

Input factors for emission calculation																	Control		
Factor:	Month	Year of SP	Furnace oil (LFO) consumption	Natural gas consumption	Electricity consumption NEWCO	Furnace oil net calorific value	Furnace oil carbon content	Natural gas net calorific value	Natural gas carbon content	Boiler heat output to network	Apartments heat input	Apartments hot tap water input	Apartments hot water energy input	Total area heated by SP	Electricity EF average Uzbekistan	Apartments heat and hot water energy input	Date of entering the data	Name of person entering the data	Name of person checking the data
Symbol:	MONTH	Y	LFO	NG	MWh_NEWCO	NCV_LFO	CC_LFO	NCV_NG	CC_NG	MWh_Boiler	MWh_Heat	WATER	MWh_Water	AREA	EF_GRID		[Date]	[Name]	[Name]
Unit:	yr	yr	[t]	[Nm^3]	[MWh]	[Gcal/t]	[tC/ GJ]	[Mcal/Nm^3]	[tC/ GJ]	[MWh]	[MWh]	[M^3]	[MWh]	[m^2]	[gCO2/kWh]	[GJ]			
(Info only)																			
	Nov-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-43	18	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-44	19	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-45	20	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jan-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Feb-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Mar-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Apr-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	May-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jun-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Jul-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Aug-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Sep-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Oct-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Nov-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		
	Dec-46	21	192.030	236.283	23.33	10.15	0.0202	8.249	0.0151	3.690	3,431.9	0	0	0	140,000	536.6	12,355		

Identifier of SP:	12
# of nano-regions in this S2	
Description of SP:	Na
Boilerhouses in this SP:	Boi

			Project activity specific emission calculation									Emission reduction calc.				
Factor:	Month	Year of SP	NEWCO Boilerhouse efficiency	NEWCO network efficiency	NEWCO system efficiency	NEWCO LFO emissions	NEWCO NG emissions	Grid electricity emission factor	NEWCO electricity emissions	NEWCO total actual emissions	Annual emissions	Apartments heat and hot water input	Annual apartments heat and hot water input	Baseline technology emission factor	Annual project technology emission factor	Annual emission reduction
Symbol:	MONTH	Y	eta_boiler	eta_network	eta_system	LFO_Emissions	NG_Emissions	EF_Grid	CO2E_CDM	CO2_E_Actual		GJ_heat				
Unit:		yr	[%]	[%]	[%]	[tCO2]	[tCO2]	[gCO2/kWh]	[tCO2]	[tCO2]	[tCO2]	[GJ]	[GJ]	[tCO2/GJ]	[tCO2/GJ]	[tCO2]
			(Info only)	(Info only)	(Info only)											
	Nov-43	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-43	18	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-44	19	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-45	20	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804
	Jan-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Feb-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Mar-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Apr-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	May-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jun-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Jul-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Aug-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Sep-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Oct-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Nov-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76		12,355				
	Dec-46	21	81.4%	93.0%	75.7%	598.377	449.858	536.6000	12.5207	1060.76	12729.07	12,355	148,260	0.15873	0.08586	10,804

Assumptions for Project Activity			
	Variable	Unit	Value
Total system efficiency NEWCO	ETA_NEWCO	[%]	75.7%
Fraction of NG in DHS fuel	f_NG	[%]	50.0%
Area heated per nano-region		[m^2]	70,000
Electricity consumption NEWCO per m2	kWh_m2_NEWCO	[kWh/m^2]	2
Heating services delivered by NEWCO (no DSM)	DEMAND_CDM	[MJ/m^2]	1059
Furnace oil net calorific value	NCV_LFO	[Gcal/t]	10.150
Furnace oil carbon content	CC_LFO	[tC/ GJ]	0.0202
Oxidation factor LFO	OXID_LFO	[-]	99.0%
Natural gas net calorific value	NCV_NG	[Mcal/Nm^3]	8.249
Natural gas carbon content	CC_NG	[tC/ GJ]	0.01511
Oxidation factor NG	OXID_NG	[-]	99.5%
Mazud (HFO) carbon content	CC_HFO	[tC/GJ]	0.0211
Number of nano-regions implemented			All 21
Temperature of hot tap water at apartment	T_HOTW	[°C]	60
Temperature of cold tap water	T_COLDW	[°C]	10

This data is only used to estimate emission reduction projections.

April 5, 2005 - Ernst Basler + Partners Ltd., Juerg Fuessler