Parameter	Value	Unit	Source
NCV biomass	0.0156	TJ/tonne	Default
Energy units	3600	GJ/GWh	Default
SSC Type II limit	180	GWh/year	Default
Energy per tonne	0.0032	GWh/tonne	-

Parameter	Non-institutional ICS	Unit	Source
Biomass saved by each ICS	3.58	tonnes/year	CPA Annex 5
Energy saved by each ICS	0.011	GWh/year	-
Percentage of the Type II limit	**0.01**	**percentage**	**-**

CALCULATIONS

Category	Total Wood		Wood with Propane Gas										Wood Only									
	# HH	average Kg/ cap-day	# HH	Kg/ cap-day	% total HH	st.dev.	CI if 90/10 confidence/precision	Lower 90%	Upper 90%	Error	90/10 Met?	Therefore, Kg/ cap-day satisfying 90/10	# HH	Kg/cap-day	% total HH	st.dev.	CI if 90/10 precision	Lower 90%	Upper 90%	Error	90/10 Met?	Therefore, Kg/ cap-day satisfying 90/10
Urban	247	1.90	219	1.745	90.2%	0.53	0.07	1.67	1.82	4%	Yes	1.745	28	3.46	9.8%	1.58	0.58	2.87	4.04	17%	No	2.87
Rural	376	3.02	280	2.764	76.0%	0.21	0.02	2.74	2.79	1%	Yes	2.764	96	3.71	24.0%	0.77	0.15	3.56	3.87	4%	Yes	3.71

	Avg HH size	Per Capita Daily Weighted Avg Wood Use (kg/p-d)	Per HH Annual Weighted Avg Wood Use (tons/hh-y)	% total population
Urban	3.94	1.855	2.67	60%
Rural	4.52	2.992	4.94	40%
Total/ Pop. Weighted Avg	4.16	2.314	3.58	100%

SOURCE DATA

FIDA, RUTA & SERFIRURAL. 2006. Politicas publicas y servicios financieros rurales en El Salvador. Pg .6 Cuadro 1

Clasificación	Rural	Urbano	Total
Población Total	2,724.90	4,031.50	6,756.80
Hombres	1,347.50	1,882.90	3,230.40
Mujeres	1,377.40	2,149.00	3,526.40
Personas/hogar	4.52	3.94	4.16

Schneider, H. 2006. "Caracterización del Consumo de Leña en El Sector Residencial en El Salvador", Departamento De Ciencias Energéticas y Fluidicas Universidad Centroamericana "José Simeón Cañas.

Table 9.2.3: Consumption By Sector, Agroecological Zone and Fuel Used to Cook

Sector		Wood		Wood with Propane Gas		Wood Only		
	Zone	N°	Kg/ cap-day	N°	Kg/ cap-day	N°	Kg/cap-day	Kg/ cap-day
Urban	MS	73	1.77	65	1.4	8	4.77	1.76
Urban	AO	25	1.45	23	1.38	2	2.29	1.45
	BN	21	2.42	20	2.28	1	5.26	2.42
	CA	47	2.65	44	2.52	3	4.56	2.65
	CL	57	1.28	50	1.23	7	1.99	1.28
	CO	24	1.81	17	1.66	7	2.27	1.81
Rural	AO	61	2.95	47	2.82	14	3.51	2.95
	BN	46	3.07	32	2.92	14	3.42	3.07
	CA	85	2.98	56	2.41	29	4.08	2.98
	CL	112	3.21	87	2.76	25	4.8	3.21
	CO	72	2.88	58	2.91	14	2.76	2.88

Table 9.2.2: Fuel Actually Used In Households that Use Wood to Cook

Fuel Used	Total	%	HHs (urban)	%	HHs (rural)	%
Only Wood	118	18.4	25	9.8	93	24
Wood and gas	518	80.6	227	89	291	75
Wood and other	7	1.1	3	1.2	4	1
Total	643	100	255	100.00%	388	100.00%

Table 9.1.1 Average Per Capita Consumption of Wood By Sector and Agor-ecological Zone

Sector		Daily Average Consumption of Wood	
	A.E. Zone	N° Households	Kg/ capita-day
Urban	MS	90	1.46
	AO	25	1.45
	BN	21	2.42
	CA	47	2.65
	CL	57	1.28
	CO	24	1.81
	Total	265	1.74
Rural	MS	0	0
	AO	61	2.95
	BN	46	3.07
	CA	85	2.98
	CL	112	3.21
	CO	72	2.88
	Total	372	3.04
Household Totals	MS	90	1.46
	AO	83	2.5
	BN	67	2.87
	CA	132	2.86
	CL	169	2.56
	CO	96	2.61
	Total	637	2.5

COMPLIANCE WITH 90/10 RULE

1. Key Test Parameters	units	Test 1	Test 2	Test 3	Average	St Dev	CI	Lower 90%	Upper 90%	Precision	Met 90/10?	Therefore, Thermal efficiency satisfying 90/10
Thermal efficiency-could Start	%	25.0	25.0	26.0	25.3	0.6	0.65	24.7	26.0	2.6%	Yes	25.3
Thermal efficiency-Hot Sart	%	32.0	31.0	25.0	29.3	3.8	4.28	25.0	33.6	14.6%	No	25.0
Thermal efficiency-Simmer	%	34.0	34.0	30.0	32.7	2.3	2.61	30.1	35.3	8.0%	Yes	32.7
											Average:	27.7

Values for Test 1, 2 and 3 are taken from the "Thermal Efficiency Certificate" (provided as supporting document) conducted by the independent party for the performance tests on the ICS.