

Overview of changes made to NM0082 in revised submission NM0082-rev

Methodologies Panel Recommendation on baseline methodology	How addressed in NMB
<p>Include further elements in the additionality tool to reflect this particular project type and contexts. A consideration of vehicle conversion costs, fuel costs and fuel availability is already required by this methodology to assess the choice of baseline fuel. A sensitivity analysis of fuel costs should also be included in the additionality assessment, and such information should be presented in an associated draft CDM-PDD.</p>	<p>Done. However see explanation/justification, pp7.</p>
<p>Justification for the use of one (Brazilian) estimate of a lifecycle emission factor for sugarcane as appropriate and conservative in other countries and regions. The use of this one Life Cycle Assessment LCA emission factor as a conservative emission factor should be justified, and the uncertainty of using such estimates should be assessed. In doing so, it would be helpful to list the individual estimates of energy use and GHG emissions by LCA stage, noting how well they apply (or might need to be adapted) for the project context as compared with the Brazilian context under which the estimate was developed. Otherwise, the applicability region should be limited to Brazil. Further, other emissions should be taken into account in this life-cycle analysis (such as life-cycle emissions) or guidance on how to include or how to justify excluding land-clearing emissions associated with sugarcane production.</p>	<p>The Brazilian study is well respected academically and considered accurate and conservative. However, it is essentially the only available LCA study for sugar cane based bio-ethanol and is based on Brazilian data. As such, demonstrating its appropriateness is difficult. The revised methodology therefore requires a project specific ex-post LCA to be carried out. The baseline and monitoring methodologies outline how this is to be done.</p> <p>The potential for leakage arising from any land-use change/deforestation is also specifically addressed.</p>
<p>For the baseline fuel, life cycle analysis should only be used to count emissions that occur inside the host country.</p>	<p>This has been included. See NMB pp8 and NMM pp16.</p>
<p>A condition of approval should include a certification by the DNA that it is willing and able to ensure that no other credit for GHG emission reductions is issued to other projects using the same fuel (anhydrous bio-ethanol). The DOE should verify this condition, and it should be included in</p>	<p>This is incorporated in both NMB and NMM.</p>

the monitoring plan.	
Provide a documented value for the relative efficiency of bioethanol vs. gasoline (Q) or provide a methodology or clear criteria for developing the value.	Done. See NMB pp9.
Methodologies Panel Recommendation on monitoring methodology	How addressed in NMM
The methodology is applicable to project types only when blended bio-ethanol/gasoline mix will be consumed in the host country and not exported to an Annex B country (the CDM-NMM should be changed so that AHy represents the volume of anhydrous bioethanol produced and used in the host country). Only if this is done can credit be taken into account for the indirect emissions from gasoline production and delivery.	Done.
1) Changes in items monitored as a result of changing the baseline methodology, including: 2) Annual data on gasoline consumed in the host country, domestic production, imports. 3) What proportion (if any) of ethanol is used in gasoline blends. (This will affect the emission factors). 4) purchase contracts of the bioethanol with a gasoline retailer should be monitored; 5) change the definition of AHy so that it represents the volume of anhydrous bio-ethanol produced and used in the host country; 6) Emissions from land-clearing related to increases in sugar-cane production areas.	Done. Done. Done. Done. Done. See leakage section.
PDD	The PDD has been extensively revised to reflect the revised baseline and monitoring methodologies.