CDM Policy in Thailand

The Fifteen Asia-Pacific Seminar on Climate Change
Yokohama, Kanagawa, Japan

Office of Natural Resources & Environmental Policy and Planning (ONEP)

Ministry of Natural Resources and Environment (MONRE)

The Royal Thai Government
Outline of Presentation

- UNFCCC and the Kyoto Protocol
- Status of Thailand Greenhouse Gases Emission
- Thailand’s Policy on Climate Change
- Institutional Framework
- Draft CDM Sustainable Development Criteria
- Draft CDM Approval Procedure
Thailand Greenhouse Gases Emission by Sector in 2004

<table>
<thead>
<tr>
<th>Emission Source</th>
<th>Quantity (tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Energy Sector</td>
<td>180,000,00</td>
</tr>
<tr>
<td>2. Industrial Process</td>
<td>2,777,000</td>
</tr>
<tr>
<td>3. Agricultural &amp; Livestock</td>
<td>3,188,000</td>
</tr>
<tr>
<td>4. Landuse Change &amp; Forestry</td>
<td>221,000</td>
</tr>
<tr>
<td>5. Wastes</td>
<td>677,000</td>
</tr>
<tr>
<td>Total emission</td>
<td>350,611,000</td>
</tr>
</tbody>
</table>

Sources of emission by sector

- **Energy**: 69%
- **Industrial**: 5%
- **Agriculture**: 24%
- **Landuse change**: 2%
- **Wastes**: 0.3%


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Projection of Thailand Greenhouse Gases Emission (based on emission data in 2004)

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Emission of CO₂ from Energy sector in 2002

Thailand's emission if 0.74 % of global emission from the energy sector.
Institutional Framework on CDM

- Ministry of Natural Resources & Environment (MONRE) as **DNA CDM** (July 2003)
- **ONEP** is appointed as **National focal point**
- **ONEP** is to coordinate the structuring of CDM operation and management in Thailand

**THAILAND’S DNA**

- **MONRE**
- **ONEP**
Tentative CDM Project Criteria

- Voluntary Participation
- Sustainable Development
  - Environment
  - Economic
  - Social including Public Participation
- Technology Transfer
- Legislation Compliance

Office of Natural Resources and Environmental Policy and Planning (ONEP)
## Draft CDM Sustainable Development Criteria

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Objective</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment</td>
<td>• Promoting Environmental Quality and GHG reduction project.</td>
<td>Approved EIA if required by law or IEE</td>
</tr>
<tr>
<td></td>
<td>• Promoting reduction of natural resource utilization such as underground water and finite energy sources</td>
<td>Improve environmental quality</td>
</tr>
<tr>
<td></td>
<td>• Full life cycle plan of the project including plan after CERs contract ended</td>
<td>- GHG emission reduction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Air pollution SO₂, NOₓ, PM₁₀</td>
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<tr>
<td></td>
<td></td>
<td>- Water pollution</td>
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<tr>
<td></td>
<td></td>
<td>- Solid Waste</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Land contamination</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Include plan to sustain biodiversity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Include underground water conservation plan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reduce utilization from finite energy source</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Promote sustainable use of other natural resource (Reduce, Recycle and Reuse)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Include plan to mitigate environmental impact</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Include long term management and maintenance plan after the end of CERs purchase agreement</td>
</tr>
</tbody>
</table>
### ‘Draft’ CDM Sustainable Development Criteria (cont.)

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Objective</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social</td>
<td>Public participation is a major part of SD, and in order to avoid community conflict, the project developer must seek permission from both local and national authority.</td>
<td>In agreement with law and regulations as well as EIA rules</td>
</tr>
<tr>
<td></td>
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<td>Information Dissemination to the public</td>
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<tr>
<td></td>
<td></td>
<td>Equity in Benefit sharing in the community</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Child Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Improve workers skill</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- other benefit</td>
</tr>
<tr>
<td>Economic</td>
<td>To promote local economy in the project area that would reflect national economy</td>
<td>Employment (in years)</td>
</tr>
</tbody>
</table>
Project developer submits Project Design Document (PDD) together with approved EIA or Initial Environmental Examination (IEE) Report to ONEP

DNA issues a letter of approval

Expert Group
• Energy &
• Industrial Sector

ONEP as the DNA-CDM Secretariat

National Committee on Climate Change

NATIONAL ENVIRONMENTAL BOARD (NEB)

CABINET

Office of Natural Resources and Environmental Policy and Planning (ONEP)
Ministry of Natural Resources and Environment (MONRE)
‘Draft’ List of Documents for Submission

- Application form
- PDD (including complete information on Baseline Methodology, Crediting Period, Life Cycle Project Plan, and Intellectual Property Right Agreement (if required)
- Initial Environmental Evaluation (IEE) report
- Participation qualification
- Administrative fee

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Thank you