



Biomass to Energy Assessment St. Kitts and Nevis
Mission report:
St. Kitts & Nevis, Nov 11 - Nov 14, 2007
Travelers: Mark Lambrides and Kevin de Cuba

Meetings and Activities Summary

Sunday, Nov 11, 2007

- Arrival Kevin de Cuba and Mark Lambrides to St. Kitts and Nevis
- Prepare presentation to Cabinet

Monday, Nov 12, 2007

- Meeting: Mr. Eduardo Caldas (APEX-Brazil); Ms. Brenda Haendler (U.S. State Department); Mr. Arend Zwartjes (U.S. Embassy in Barbados); Dr. Albert Binger (OAS-consultant); Kevin de Cuba (OAS) and Mark Lambrides (OAS)

General briefing on the Biomass to Energy developments on St. Kitts and Nevis.

- Cabinet Meeting: Mr. Starret Green (St. Kitts and Nevis OAS rep.); OAS technical team; US-Brazil representatives; Hon. Prime Minister Douglas (Tourism, Culture, Finance, General Affairs, Information & Technology, Sport, Sustainable Development); Minister Condor (Social and Community Development, Education, Gender Affairs and Youth); Minister Liburd (Agriculture, Fisheries and Housing); Minister Martin (Public Works, Utilities, Ports, Posts and Transport); Minister Harris (Foreign Affairs, Consumer Affairs, Industry & Commerce and International Trade); Minister Astaphan (Immigration, Labor and National Security); Minister of State Carty (Finance, Information & Technology, Sustainable Development); Mr. Channer (St. Kitts Electricity Department, Member of the Energy Committee); Mr. Knight (Energy Committee); Mr. Phillip (Energy Committee).

Mr. Greene (OAS) introduced the OAS technical team and the US-Brazil delegation. Mr. Lambrides (Project Manager) briefly presented the results and conclusions of the Biomass to Energy studies (by OAS and IICA) to the PM and Ministers. The required steps for the further development of Bio-Energy in the Federation were highlighted and proposed to the Ministers.

After the presentation, several questions were posted by Minister Astaphan, which are:

- 1) What methodology or starting point conditions were used in the assessment of the bio-energy potential for St. Kitts and Nevis.
- 2) What is the exact amount of lands that were uncalculated in the assessments.

The discussion evolved around the amount of lands that are realistically available for potential bio-energy development. The Ministers noted the ongoing land use competition for other sectors of the economy as Tourism and the need for Housing.

As response, the OAS team acknowledged the rapid decrease in lands available for other land uses and urged for the need to identify the current land availability. There was no coherent



message from the Cabinet on how much land is available. Therefore the OAS team proposed to set up a technical team assisted by local technical government officers, to assess the land quantity and quality. This will facilitate the Agro-Energy Committee in developing a land use mapping and strategy for a sustainable bio-energy development on the island of St. Kitts.

- Lunch Meeting: Mr. Malcolm Knight (Member of the St. Kitts and Nevis Energy Committee); Mr. Arend Zwartjes; Ms. Brenda Haendler; Mr. Eduardo Caldas; Dr. Albert Binger; Mr. Kevin de Cuba; Mr. Mark Lambrides.

Discussions about bio-energy development strategies and the required follow up activities for assessing the land availability and quality.

Tuesday, Nov 13, 2007

- Meeting: Mr. Starrett Greene (OAS director St. Kitts and Nevis); Kevin de Cuba; Mark Lambrides.

General briefing on follow up activities for the land use mapping and strategy build up to further bio-energy development on St. Kitts.

- Meeting: Starret Greene; Kevin de Cuba; Mark Lambrides; Hon. Premier Parry (Nevis Administration); Minister Powell (Minister of Public Works, Utilities, Physical Planning, Environment and Posts of the Nevis Administration); Permanent Secretary Stapleton.

During this meeting the latest developments around Geothermal Energy were shared with the OAS team. The Nevis Administration has signed a MoU with a private sector developer to commercialize the geothermal energy resources on Nevis. It is already in a stage that the first drilling equipment is on its way to Nevis.

The Premier requested technical assistance from the OAS to aid in the development of a regulatory framework for the handling, distributing and selling of the produced geothermal power.

- Meeting: Min. Powell; PS Stapleton; Mr. Greene; Mr. de Cuba; Mr. Lambrides

During this meeting more insights were shared on the developments around the geothermal resource. The team raised some concerns around the ownership and regulatory responsibility of the geothermal resource. The clarity on the ownership was to the team's view a critical pre-condition for providing effective technical aid.

Wednesday, Nov 14, 2007

- Meeting: OAS team; US-Brazil reps.; Min. Liburd.

A general briefing was provided to Min. Liburd on the latest meetings and share of information. He agreed and acknowledged the need regarding knowing the exact numbers around the amount of land (total acres) available for bio-energy crop production. He agreed with the proposal to set up a technical team to assess the land availability and quality and will provide the needed support and staff within his Ministry.



- Meeting: OAS team; US-Brazil reps.; Min. Carty.

During our conversation with Min. Carty, he reconfirmed his government's interest/commitment to move ahead with bioenergy development. However, he stressed that the growing pressures on the land for tourism and other applications make it difficult for them to commit 5,000-6,000 as originally suggested. He added that there is not a clear understanding within the cabinet regarding the optimal uses of lands for different uses. Thus, he agreed with our suggestion that the next step in the process should be an assessment of the current lands/availability, and then, we should assess the sustainability of biomass to energy from 3,000 acres; which is the amount of land they suggest could be made available.

- Meeting: OAS team; US-Brazil reps.; Mr. Conrad Kelly (former Chief Agronomist at the SSMC); Mr. Jerome Thomas (Director of Agriculture Department); and IICA local representative.

Mr. Thomas provided valuable feedback on the assumptions made for the study and commented on the estimations of land availability. He confirmed their support in gathering the technical information around land availability and quality.

For more background information feel free to contact:

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