

Carbon Sequestration Leadership Forum

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POLICY GROUP

Application of United Arab Emirates for CSLF Membership

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APPLICATION OF UNITED ARAB EMIRATES FOR CSLF MEMBERSHIP

Note by the Secretariat

Background

On 12 August 2010, the United Arab Emirates Assistant Minister of Foreign Affairs and Special Envoy for Energy & Climate Change, Dr. Sultan Ahmed Al Jaber, sent a letter to the CSLF Secretariat that requested CSLF Membership for the United Arab Emirates. The CSLF Terms of Reference and Procedures states that in their letter of application, prospective CSLF Members should:

- 1) demonstrate they are a significant producer or user of fossil fuels that have the potential for carbon capture;
- 2) describe their existing national vision and/or plan regarding carbon capture and storage (CCS) technologies;
- 3) describe an existing national commitment to invest resources on research, development and demonstration activities in CCS technologies;
- 4) describe their commitment to engage the private sector in the development and deployment of CCS technologies; and
- 5) describe specific projects or activities proposed for being undertaken within the frame of the CSLF.

The Secretariat has reviewed the letter from Assistant Minister Al Jaber and has determined that the United Arab Emirates has met all of these requirements. An email was sent to Policy Group delegates on 30 August 2010 that informed them of the United Arab Emirates' application for CSLF Membership.

Action Requested

The Policy Group is requested to approve the application for CSLF Membership from the United Arab Emirates.



Ref.: ط م / 10 / م / 256

August 12, 2010

CSLF Secretariat
U.S. Department of Energy
FE -27
1000 Independence Ave., S.W.
Washington, DC 20585
United States of America

To Whom It May Concern:

I am writing to request to enlist the Abu Dhabi Future Energy Company (Masdar) representing the United Arab Emirates as a member of the Carbon Sequestration Leadership Forum. This letter provides the UAE and Masdar's required qualifications.

Masdar, a wholly owned subsidiary of Mubadala, an Abu Dhabi's investment arm, has been formed in order to pursue the Emirate's commitment to the development and commercialization of carbon abatement and renewable solutions. This multi-dimensional effort aims to position Abu Dhabi at the forefront of climate change mitigation initiatives at a global level, engaging the international community to foster partnership and disseminate know-how.

Why Masdar, representing the UAE, fulfills the Carbon Sequestration Leadership Forum membership criteria

The energy sector is the driving force behind Abu Dhabi's vibrant economy. A member of OPEC under UAE membership, Abu Dhabi is one of the top global producers of crude oil with an estimated 100 billion barrels of oil reserves (almost 10% of global reserves). In addition to oil production, associated natural gas as well as large quantities of refined petroleum products are also produced. Beyond fossil fuel activities, heavy industry has been developing at a rapid pace with significant investments in the iron & steel, aluminum, plastics, chemicals and cement sectors fuelled, by Abu Dhabi's commitment to diversification of its economy. In order to power the local construction and infrastructure boom of the past decade, installed power capacity has increased significantly and is projected to increase even further to meet the demand. In this context, Abu Dhabi is uniquely positioned to provide opportunities for carbon capture, usage and sequestration.



Masdar embodies Abu Dhabi's vision for the **advancement of CCS technology through local projects**. To this end, Masdar is in the process of developing a multi-billion dollar emirate-wide transport network for CO₂ gas captured at various emission sites. The network is intended to connect emission sites from multiple industries to oil producing fields for usage and sequestration. The Abu Dhabi Company for Onshore Oil Operations, ADCO, has already identified potential options for the enhanced oil recovery and is currently engaged in discussions with Masdar to progress this agenda. The stakeholders of the project plan to begin the capture activities by end 2013, beginning with carbon capture of roughly 0.8 million tons of CO₂ at a local steel production plant. Another 4.2 million tons of CO₂ are planned to be captured by middle of the decade from other emitters.

Further to the capture and transport infrastructure, **Masdar has founded the Masdar Institute of Science & Technology (MIST) in order to create a hub for the research** required to drive CCS activities forward. MIST is a post-graduate university focusing on advanced environmental technology and renewable energy and will eventually host 100 faculty and over 600 students. The institute opened to students in 2009.

Finally, since its foundation in 2006, Masdar has been **forging collaborations and partnerships with international energy players from the private sector**. Masdar engages with international leaders on many of its initiatives. In CCS, Masdar in collaboration with ADCO, have engaged the private sector technology developers and international oil companies in the full value chain of CCS.

As member of the forum, Masdar will organize and actively participate in meetings and workshops, share know-how developed as well as work together with other members to further the cause of climate change mitigation through carbon sequestration efforts.

With this in mind, we submit our request for membership of the Carbon Sequestration Leadership Forum, ready to contribute to the forum's activities in furthering our shared vision.

We look forward to hearing from you. Should the committee have further questions, please contact Mr. Sam Nader of Masdar at snader@masdar.ae.

Regards,

Dr. Sultan Ahmed Al Jaber
Assistant Minister of Foreign Affairs
Special Envoy for Energy & Climate Change

Cc:/ H. E. Mr. Mohammed Bin Dha'en Al Hamili
UAE Minister of Energy