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Algal Biofuel, Mar. 5, 2010

Harry Reid Center, University of Nevada, Las Vegas

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Algal Biofuel

Special Issue of Renewable Energy World Conference in Austin (2/22-2/25/2010)

News in Brief (click link to read more)

1. [State Renewable Portfolio Standards, and Nevada 25% by 2025](#), (March 5, 2010).
2. [Energy & Environmental Research Center, University of North Dakota conduct algal biofuel project](#)
3. [Renewable Energy Market Update by Element Markets](#)
4. [Can Western Renewable Portfolio Standards be Met?](#) - Black & Veatch

News in Details

1. State Renewable Portfolio Standards, and Nevada 25% by 2025, (March 5, 2010)

The state renewable portfolio standards was presented by DAI Management Consultants in the Renewable Energy World Conference. Nevada state is among several ambitious states, which targets at up to 25% renewable energy acquired from multiple generating facilities by 2025. In the presentation, Mr. Steve Dean also pointed out that two issues are likely to shape the landscape for Renewable Energy Credits (RECs) going forward:

- CO2 legislation

- A Federal Renewable Portfolio Standard

• CO2 legislation, and any resulting cap-and-trade allowances employed, are likely to raise electricity prices. This increase will provide a direct subsidy to many renewable projects, as non-carbon emitting generators.

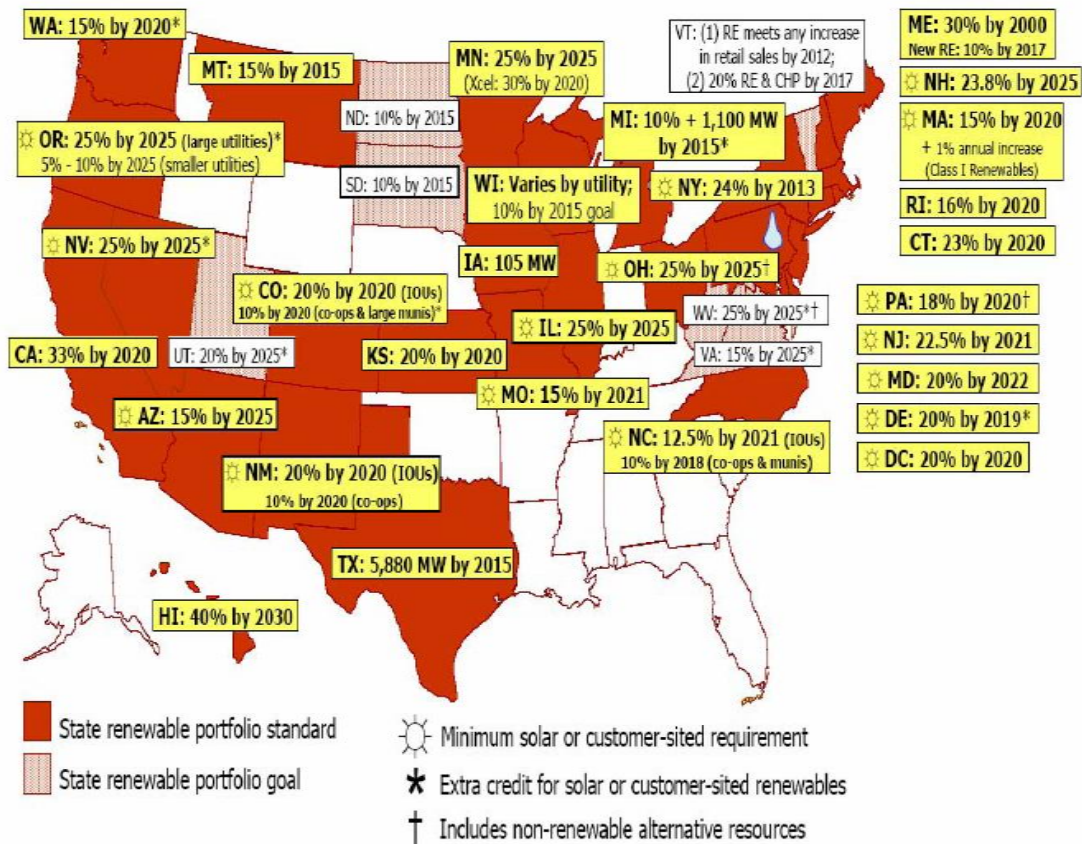
- If this “indirect” subsidy is large enough, RECs may no longer be required to induce entry of renewables. In other words, a successful CO2 program may eliminate the need for a REC program. It remains an open question, given the uncertainty surrounding CO2 legislation, how these programs will co-exist.

- One clue to their possible future relationship is actually a part of proposed CO2 legislation. The American Clean Energy and Security Act of 2009 (“Waxman-Markey”) would not only regulate carbon, but also create a Federal RPS.

- As proposed, the Federal REC program would be required to work with existing state REC programs. In other words, it would be *supplemental* to them.

- The advantages of a Federal REC program would be inter-jurisdictional equivalence, a more expansive set of trading partners, and, ideally, less regulatory volatility. But if the Federal RPS is required to preserve existing state RPSs, it’s unclear how many of these potential benefits may be realized.

(some presentation can be download at:
<http://downloads.pennnet.com/events/rewna10/cp/>)



NV Energy is expecting to acquire renewable energy from multiple generating facilities to meet, at a minimum, the mandated Renewable Portfolio Standard target of 12% of retail sales coming from renewable resources in Spring 2010-Spring 2010, 15% in 2011-2012, 18% in 2013-2014, 20% in 2015-2019, 22% in 2020-2024, and 25% by 2025.

Spring 2010 Renewable Energy Request for Proposals was released on Feb 17, 2010. The schedule is

Spring 2010 Target RFP Schedule

- **Issuance of Spring 2010 RFP:** February 17, 2010
 - **Pre-Bidders Conference Registration Deadline:** Monday, March 8
 - **Pre-Bidders Conference:** March 11, 2010 from 10 a.m. to 3 p.m.
 - **Latest Date for Questions to be Submitted:** April 12, 2010
 - **Proposal Due Date:** 5 PM on April 16, 2010 (Pacific Daylight Time)
 - **Target Date: Initial Evaluation:** June 2010
 - **Target Date: Short List:** August 2010
 - **Target Date: Executed Contracts submitted to Public Utilities Commission of Nevada:** Fourth Quarter, 2010
- All dates subject to change.*

NV Energy is issuing this RFP to interested parties with the intent of securing electric power requirements and the associated portfolio energy credits from renewable resources under terms and conditions favorable to NV Energy's customers. This RFP is consistent with NV Energy's objective to obtain safe, reliable, and adequate power supplies for its customers at the lowest reasonable cost and in an environmentally responsible manner.

NV Energy supports the acquisition of cost-effective renewable energy, as demonstrated by its current renewable energy programs. Through this RFP process, NV Energy is seeking the following types of renewable technologies, as defined by Nevada law.

- Biomass
- Geothermal
- Solar
- Wind
- Other resources defined by regulation

Details can be found at:

<http://www.nvenergy.com/company/doingbusiness/rfps/renewable.cfm#ppa>



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2. Energy & Environmental Research Center, University of North Dakota conduct algal biofuel project

The EERC is recognized as one of the world's leading developers of:

- Cleaner, more efficient and innovative energy technologies to guarantee clean, reliable energy supplies for the United States and the world.
- Environmental technologies to protect and clean our air, water, and soil.

The EERC is a research, development, demonstration, and commercialization (RDD&C) center.

The EERC vigorously maintains a non-advocacy position.

The EERC enhances **any** guarantee.

The EERC is NOT an academic enterprise

Presentation Link:

http://downloads.pennnet.com/events/rewna10/cp/rew10_groenewold_gerald.pdf



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3. Renewable Energy Market Update by Element Markets

Detail information can be found at:

http://downloads.pennnet.com/events/rewna10/cp/rew10_patankar_gauri.pdf



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4. Can Western Renewable Portfolio Standards be Met? - Black & Veatch

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