

# Oregon RPS Rulemaking

## Advisory Committee Meeting #3



**Oregon Department of Energy**  
**September 9, 2010**

# Agenda

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- i. Introductions; August 10 Minutes
- ii. Low-Impact Hydropower Rules
- iii. HB 3674 (pre 1995) – Review
- iv. ‘Stranded’ Generation
- v. Post-1994 Upgrades
- vi. Meeting schedule

# **i. Introduction, Minutes**

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1. Committee Members
2. Other Stakeholders
3. ODOE staff
4. August 10 Minutes

## ii. Low-Impact Rules

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- Temporary Rule effective Aug 31, 2010.
- Pursuant to ORS 469A.020(4), the Department recognizes the Low Impact Hydropower Institute (LIHI) as the national agency to certify hydroelectric facilities as low impact for purposes of the Oregon RPS. A hydroelectric generation facility with current certification from the Low Impact Hydropower Institute and that complies with other requirements of ORS 469A is eligible for the Oregon RPS. [330-160-0040]
- Replace (or affirm) with other Permanent Rules, before year end 2010.

## **iii. HB 3674 - timing**

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- Jan. 2011 - first RPS eligible generation (for most pre-1995 facilities).
- Jan. 2011 generation converted to REC output in late April 2011 by WREGIS.
- Issue OR Cert ID in mid-April to capture Jan. 2011 generation.
- An earlier OR Cert ID converts ineligible power to erroneously eligible REC output.

# HB 3674 – next steps

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- Post timing to ODOE RPS website.
- Develop protocol for multi-fuel facilities (not just HB 3674).
  - Applies to pre-1995 and any MSW facilities that use combustion for energy recovery.
- Multi-fuel outline on agenda for Meeting #4 (~ Fri, 10/1).

# iv. Stranded Generation

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Needed:

Mechanism to track Qualifying Electricity not currently captured in WREGIS.

- Option 1 – retroactive REC creation through WREGIS process.
- Option 2 – modify OAR to provide alternative to WREGIS for start-up phase, Jan 2007 - ?. Straw proposal from stakeholder group for review.

# REC System - ORS

## Relevant Statute [469A.130(1)]

- The State Department of Energy shall establish a system of renewable energy certificates that can be used ... to establish compliance...
- The department shall consult with the Public Utility Commission before establishing a system...
- The system ... shall allow issuance, transfer and use of renewable energy certificates in electronic form.

# Straw OAR proposal

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## PacifiCorp, PGE, OMEU, PNGC effort

- ODOE establish interim tracking system on or before 12/31/2010.
  - Interim system account for Qualifying Electricity by 3/31/2012 (2011 compliance deadline).
  - Provide metered generation data and attestation in an electronic form acceptable to ODOE's Director.
- Discussion, Questions, Alternatives

# Stranded Gen – steps...

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- Option 3 – North American Renewables Registry (NARR)
- Explore impacts of Option 2 proposal.
- Details of Option 1 (retroREC via WREGIS).
- Agenda for Meeting #4 (~ Fri, 10/1).

# v. Post 1994 upgrades

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- Efficiency v. Capacity (hydropower only).  
More detail later.
- Define “Operational” [ORS 469A.020(1)].
- Protocols for attribution of generation for multi-phase facilities.
- Reference ORS 469A.020.

# Efficiency v Capacity

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- Need definitions (hydropower).
- Possible efficiency categories
  - 1) Equipment upgrades and improvements (e.g., turbines, generator)
  - 2) Facility operation improvements (e.g., monitoring and controls).
  - 3) Flow optimization within other river conditions (minimum flow, wind integration, reservoir level, etc.)

# Post-1994 gen – steps...

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- Comments on Efficiency v. Capacity.
- Comments on 'operational' definition.
- Comments on protocols for attribution, example of previous GU approval.
- Agenda for Meeting #4 (~ Fri, 10/1).

# vi. Tentative Schedule

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- Fri, Oct. 1 – Committee Meeting #4 \*
- Tue, Oct. 26 – Committee Meeting #5
- Wed, Dec. 1 – Public Hearing
- Tue, Dec. 7 – OAR Effective Date

**end**

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Slides from prior presentations follow for reference.

# Sample REC (part 1)

## Certificate Data

WREGIS Generating Unit ID: **W188**  
Generating Unit Name: **Wolverine Creek**  
Primary Facility Name: **Wolverine Creek**  
Vintage Year/Month: **2007/11**  
Certificate Serial Numbers: **188-ID-92-1616 to [REDACTED]**  
Total Certificates: **[REDACTED]**  
Generation Period Start Date: **11/1/2007**  
Generation Period End Date: **11/30/2007**  
Certificate Creation Date: **02/29/2008**

## Static Generating Unit Data

Facility County: **Bingham/Bonneville**  
Facility State or Province: **ID**  
Facility Country: **US**  
Multi-Fuel Generator Indicator: **No**  
Generation Technology/Prime Mover: **Wind**  
Fuel Type/Energy Source:  
**Wind**  
Fuel Source/Other Criteria or Eligibility Characteristics:  
**Wind-Wind\*-Wind\***  
Date when Generating Unit first commenced operation: **02/12/2006**  
Nameplate Capacity: **64.5**  
Facility Operator Info: Company or Organization Name: **PacifiCorp**  
Customer Sited Distributed Generation (Y/N): **No**  
Reporting Entity Company or Organization Name: **PacifiCorp**  
Reporting Entity Type:  
**Balancing Authority**  
Generating Unit in WECC Region Declaration Indicator (Y/N): **Yes**  
Utility to which the Generating Unit is interconnected: **PacifiCorp**  
Qualifying Facility Indicator (Y/N): **No**  
Facility Ownership type:  
**Other Non-Utility**

# Sample REC (part 2)

California Supplemental Payment Received (Y/N): **No**

Facility receives state/provincial public benefit fund support indicator (Y/N): **No**

Federal Tax Credits received indicator (Y/N): **No**

Most recent FERC Hydro license date, or: **NA**

One of the following from the following valid values: Non-jurisdictional, applicator

Repowered Indicator (Y/N): **No**

Repower date: **NA**

## State/Provincial/Voluntary RPS Selections

| State            | Eligible   | Certification Number |
|------------------|------------|----------------------|
| Arizona          | <b>No</b>  | <b>NA</b>            |
| British Columbia | <b>No</b>  | <b>NA</b>            |
| California       | <b>No</b>  | <b>NA</b>            |
| Colorado         | <b>No</b>  | <b>NA</b>            |
| Nevada           | <b>No</b>  | <b>NA</b>            |
| New Mexico       | <b>No</b>  | <b>NA</b>            |
| Montana          | <b>No</b>  | <b>NA</b>            |
| Texas            | <b>No</b>  | <b>NA</b>            |
| Washington       | <b>No</b>  | <b>NA</b>            |
| Oregon           | <b>Yes</b> | <b>08wnd007id</b>    |
| Alberta          | <b>No</b>  | <b>NA</b>            |

California SEP Eligibility: **No**

California Qualifying Facility Qualified to Claim Non-Renewable: **No**

Green-e Eligible: **No** Certification Number: **NA**

Ecologo Certified, **No** Certification Number: **NA**

Low Impact Hydro Certification: **No** Certification Number: **NA**

# end

- More on the Oregon RPS (w/ links to OPUC):

[www.oregon-RPS.org](http://www.oregon-RPS.org)

- ODOE homepage:

<http://www.energy.state.or.us>

- Kip Pheil (ODOE):

[kip.pheil@odoe.state.or.us](mailto:kip.pheil@odoe.state.or.us)

ofc: 503-378-4442

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If conservation is the ounce of prevention;  
an RPS is the pound of cure.