

Western Renewable Energy Generation  
Information System

(WREGIS)

# WREGIS

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- **Oregon Portfolio Advisory Committee**
  - September 1, 2005

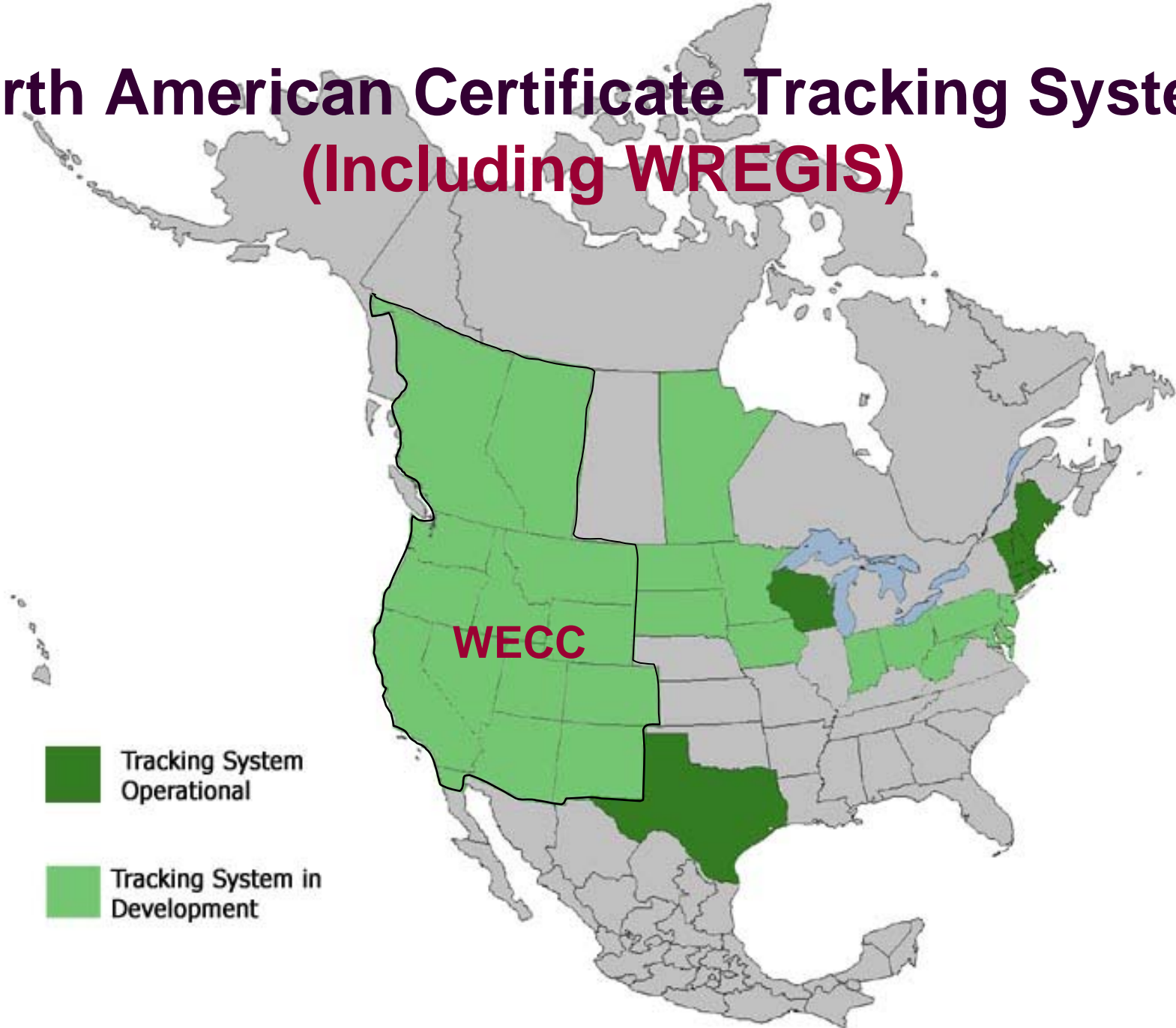
# What is WREGIS?

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## **W**estern **R**enewable **E**nergy **G**eneration **I**nformation **S**ystem

- A voluntary, independent renewable energy registry and tracking system for the region covered by the Western Electricity Coordinating Council (WECC)
- WREGIS is composed of two components:
  - Information system (software)
  - Program housed at WECC
    - WREGIS Committee is a Board Committee of WECC
    - WREGIS Administrator

# North American Certificate Tracking Systems (Including WREGIS)



# WREGIS Goals

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- Support account holders by providing information necessary to assist showing compliance with voluntary and regulatory programs.
- Support regulators and voluntary programs by providing information to assist in the verification of compliance.
- Support market participants in their transactions involving WREGIS Certificates.

# WREGIS' Policy Drivers

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- Western Governors' Association
  - To develop a single Western system to support verification, tracking and transferring of renewable energy certificates.
- Western Regional Air Partnership
  - To improve the economics and spur development of renewable energy to mitigate regional air pollution and haze.
- California Renewables Portfolio Standard
  - To design and implement a renewable energy registry and tracking system to verify compliance with the RPS by retail sellers.

# Why is WREGIS Important?

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- Establishes a Western regional system to register generating units, and issue and track renewable energy certificates.
- Provides a tool to support verification of compliance with regulatory and voluntary programs.
- Develops standard definitions and operating guidelines for WREGIS Certificates and attributes.

# Benefits to WREGIS Participants

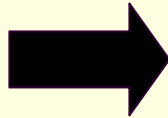
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- Policy neutral
- Uses independent, verifiable and reliable data
- Provides data to facilitate verification of compliance with state/provincial and voluntary policies and programs
- Protects against double counting and facilitates identifying property rights leading to increased credibility and greater consumer confidence
- Facilitates commercial trading of renewable energy certificates
- Regional scope fosters economies of scale

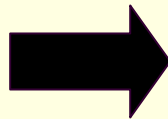
# What is a Renewable Energy Certificate?

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**Production of  
Electricity from  
Renewable Energy**



**Environmental Attributes**



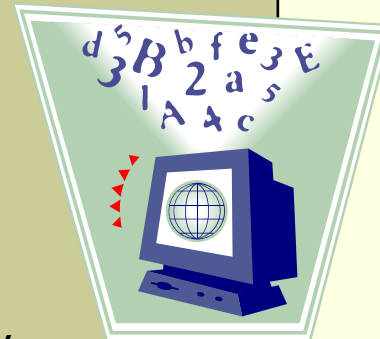
**Commodity Electricity**

- Electricity generated from renewable energy comprises two distinct tradable commodities – the electricity and its associated “environmental” attributes. Renewable energy certificates (known as WREGIS Certificates if issued by WREGIS) represent these environmental attributes. WREGIS certificates are expected to have value in both regulatory and voluntary markets.

# What is in a WREGIS Certificate?

- Certificate data fields are static and dynamic, for example:

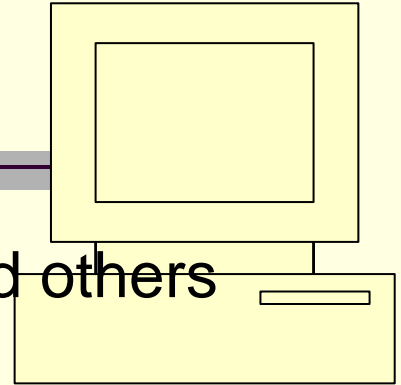
- Facility Location
- Technology
- Facility Owner
- Fuel Type
- Nameplate capacity
- Year operation began
- Month/year of generation



1 WREGIS certificate = 1 megawatt-hour

# How WREGIS Works

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- Generators, retail sellers, marketers, and others may open WREGIS accounts.
- For each MWh of renewable energy generated, WREGIS issues a WREGIS Certificate.
- WREGIS Certificates are moved between accounts when the account holders notify WREGIS of a transaction to transfer WREGIS Certificates.
- WREGIS Certificates may be retired to show compliance with state/provincial programs.

# WREGIS is a Stakeholder Process

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- Broad-based stakeholder representation defined structure of WREGIS and designed its operating guidelines
- WREGIS represents 14 states and 2 Canadian provinces
  - Over 22 stakeholder meetings held since January 2004
  - Over 400 participants and stakeholders surveyed
  - Stakeholder Advisory Committee kick-off meeting August 22, 2005

# WREGIS Fees

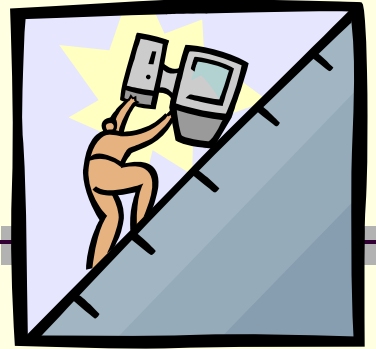
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- Three types of fees recommended
  - One-time generator registration fee
    - \$25 for customer-sited generation (DG)
    - \$250 for all other generators
  - Annual account fee
    - \$500 per year for accounts with <60 transactions
    - \$1,000 per year for accounts with >60 transactions
  - Volumetric fee
    - \$0.02 per certificate (1 MWh)

# WREGIS Progress

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- ✓ Stakeholder Survey and Regional Workshops, Fall 2003
- ✓ “Needs Assessment Report,” December 2003
- ✓ “Interim Operating Rules: Functional Requirements,” July 2004
- ✓ “Institutional Committee Reports,” July & October 2004
- ✓ WECC approves WREGIS Charter, December 2004
- ✓ Control agencies approve *WREGIS Feasibility Study Report* and *IT Procurement Plan*, March 2005

# WREGIS Plans Looking Forward

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- ❑ Release RFP to solicit system developer, 3<sup>rd</sup> quarter 2005
- ❑ Contract with WECC finalized, 4<sup>th</sup> quarter 2005
- ❑ Permanent WREGIS Committee election, 4<sup>th</sup> quarter 2005
- ❑ System developer contract to begin early 2006
- ❑ WREGIS planned to be operational early 2007

# Your Participation is Welcome

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Join the list-serve! Visit

<http://groups.yahoo.com/group/WREGIS-WG/join>



or join via e-mail

[WREGIS-WG-subscribe@yahoogroups.com](mailto:WREGIS-WG-subscribe@yahoogroups.com)

# For More Information

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WREGIS website

[www.westgov.org/wieb/wregis](http://www.westgov.org/wieb/wregis)

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