

NEPOOL GENERATION INFORMATION SYSTEM

RENEWABLE ENERGY
MARKETS CONFERENCE

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The Basics

- Began operation in 2001
- First REC tracking system in U.S. to track every MWh of power in the wholesale market and first multi-state system
- Designed to work in concert with multi-state wholesale markets
- Website is www.nepoolgis.com

Generators Tracked in NEPOOL GIS

- Every generator in ISO New England Settlement Market System automatically included
- Out-of-region generators satisfying “hourly matching” criteria
 - Out-of-region energy not satisfying criteria reported with average attributes of source control area
- Generators outside ISO-NE system (not automatic)
 - Less than 5 MW and not in ISO-NE system
 - Behind-the-meter generators and curtailment-based demand response resources greater than 5 MW satisfying certain criteria
 - Conservation and load management resources
 - Aggregators of those generators

2012 Certificate Figures

Generation Category	2012 Certificates Created
In-region generation tracked in ISO-NE Settlement Market System	122,647,428
In-region generators not tracked in ISO-NE Settlement Market System	2,983,373
Out-of-region generation imported (hourly matching)	1,862,294
TOTAL	127,493,095

Attributes Tracked on Certificates

- Fuel Source
 - Every fuel source in a New England RPS
 - Other fuel sources determined to be helpful
- Emission characteristics
- Labor characteristics
- Vintage
- Location
- RGGI and Green-E status

Sources of Data

- Automatic transfer of generation data for ISO-NE units
- Units not in ISO-NE settlement system either self-report generation or have third party verifiers report generation, *depending upon requirements of state laws for which compliance is sought*
- RPS qualification provided directly by regulators to GIS
- Emissions are reported based on CEM Reporting, if applicable, or on other sources if not available
- Environmental regulators may audit emissions data
- GIS does not include a verification function
 - verification is performed by purchasers or regulators

Governance

- APX is responsible for day-to-day operation and interpretation of GIS Operating Rules
- GIS Rules are subject to NEPOOL governance process
- Changes to GIS are discussed and prepared by NEPOOL GIS Operating Rules Working Group
 - NEPOOL Participants
 - State energy and environmental regulators
 - APX
 - ISO New England

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Paul Belval's practice involves transactions involving power projects and energy and water companies. Paul is chair of the firm's Renewable Energy and Energy Project Development and Finance practice groups. Paul has represented developers, investors, equipment suppliers, and power purchasers involved in a variety of renewable power and fossil fuel facilities, including the development, financing, and restructuring of those facilities. Paul drafted the contracts and operating rules for the NEPOOL Generation Information System (GIS) and has counseled the operators of the Western Renewable Energy Generation Information System (WREGIS) and the Midwest Renewable Energy Tracking System (MRETS) in the development of those systems. Paul has also represented the firm's water company clients in public and private financings.