

Delaware Public Service Commission

November 16, 2010

Renewable Energy Task Force



How is the PSC involved in Delaware's Renewable Portfolio Standard?

- Rulemaking proceedings – Regulation Docket 56
- Certifying Eligible Energy Resources
- Compliance with the RPS requirements

Step 1: Certifying the Eligible Energy Resource

For additional information, please see the Rules & Regulations on our website:

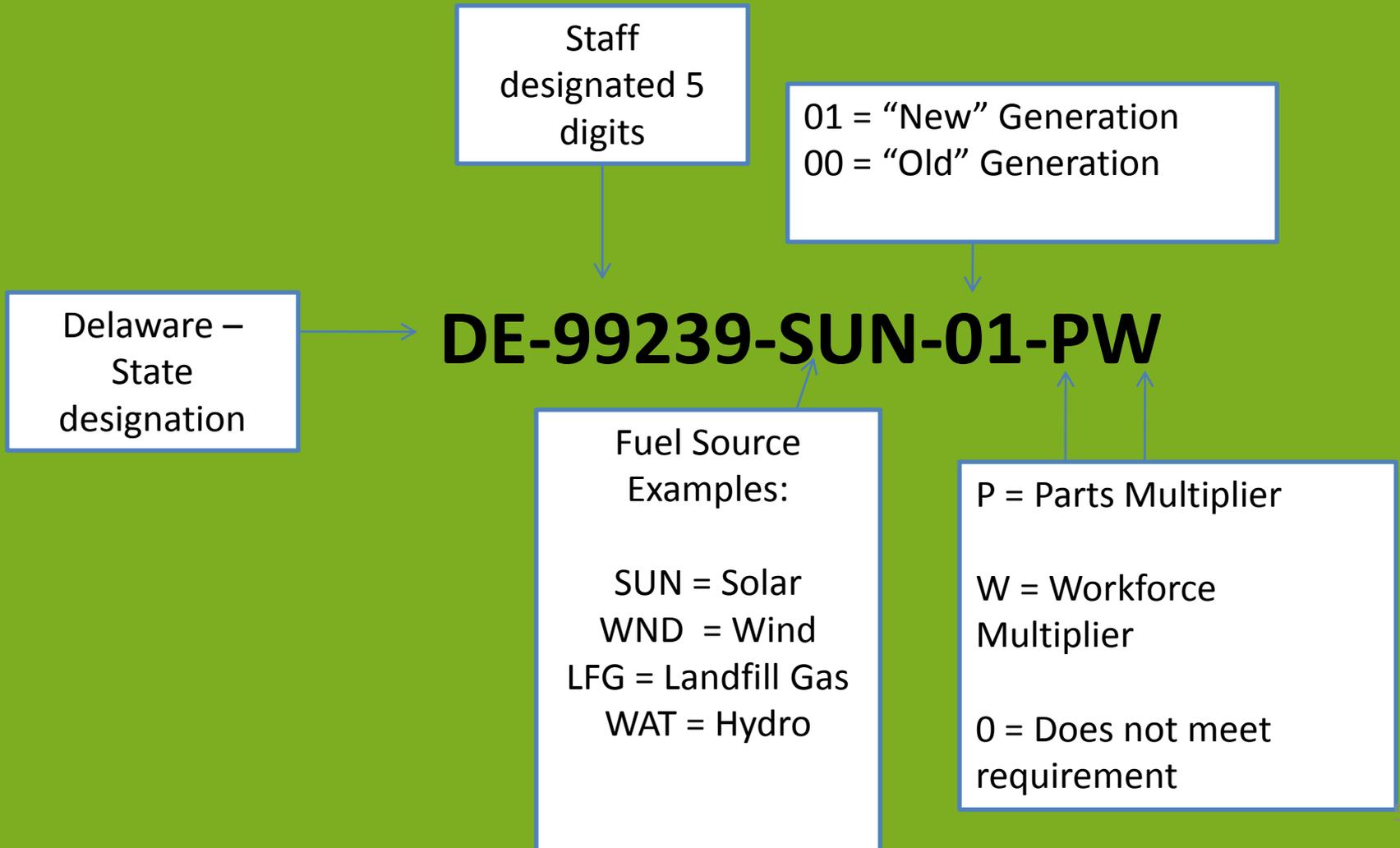
<http://dep.sc.delaware.gov/electric/delrps.shtml>



Certifying Eligible Energy Resources

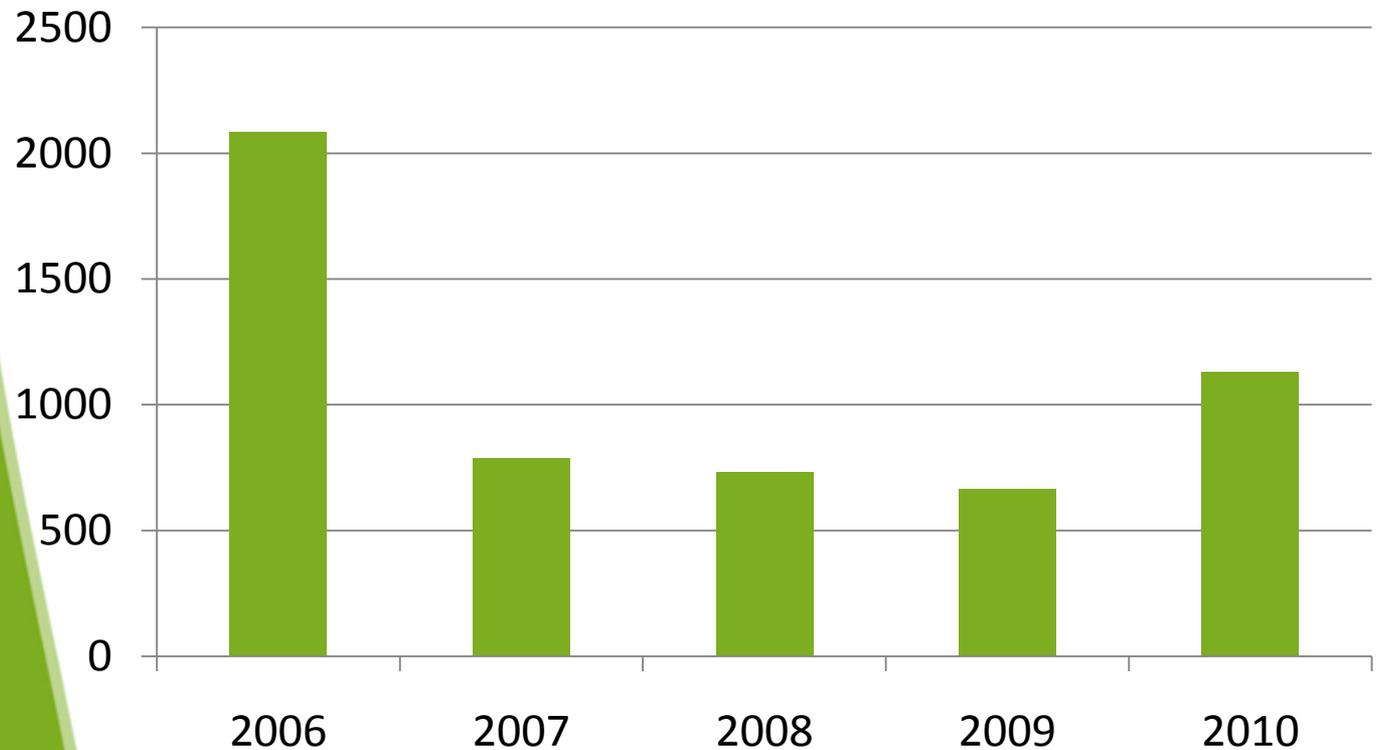
- Application & filing instructions are available on our website
 - [Application](#)
- Certification generally takes 1-2 weeks
 - Staff has up to 30 days
 - (see Section 3.1.3 of Rules for specifics)
- PSC Staff will send memo which includes a unit specific Delaware certification number
 - Will also send a copy of memo to GATS
 - If indicated on application, will send a copy to installer

Certification Number Example



Total MWs Registered for Participation in Delaware RPS

**Total Resources Registered in MWs –
Nameplate Capacity**



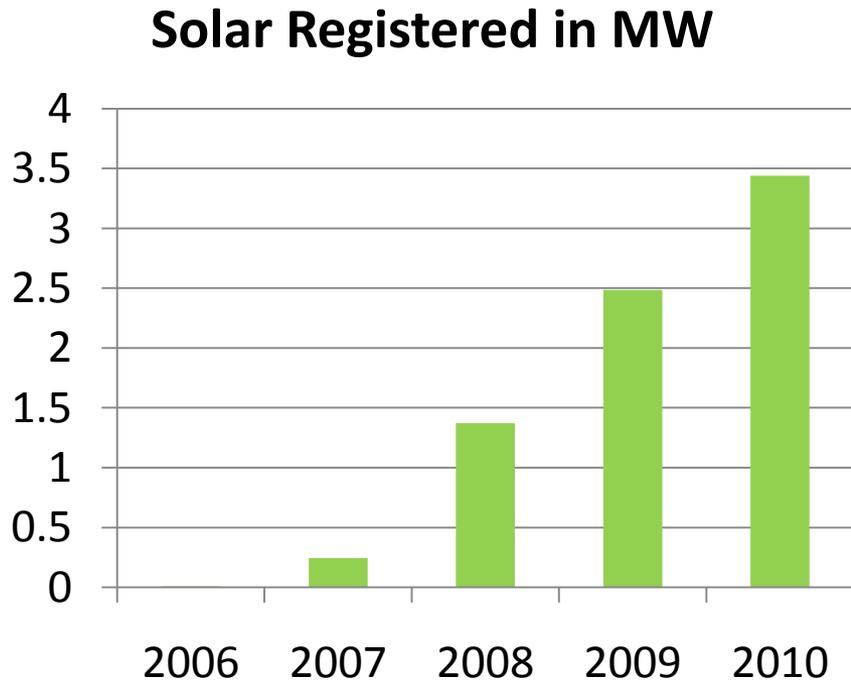
*As of November 8, 2010

Certified Eligible Energy Resources*

<u>Other Eligible Energy Resources (excludes Solar)</u>	<u>MWs</u>
Landfill Gas	1191
Wind	3240
Hydro	7.61
Wood - Black Liquor & Wood Waste	80

*As of November 8, 2010

Solar Registrations in MWs by Calendar Year



*As of November 8, 2010

- These solar units include numerous residential installations, businesses, non-profit organizations (such as schools and churches), and government organizations.
- The complete list of units is available on the PSC's website
- [Eligible Energy Resources](#)



Customer Sited Generation

– Title 26 – Section 352 - Definitions

- Customer-sited generation- Means a generation unit that is interconnected on the end-use customer's side of the retail electricity meter in such a manner that it displaces all or part of the metered consumption of the end-use customer
- End use customer – Means a person or entity in Delaware that purchases electrical energy at retail prices from a retail electricity supplier or municipal electric company

– Title 26 – Section 355 (b)

- Energy production from customer-sited eligible energy resource may also be used to demonstrate compliance, provided that the facilities are physically located in Delaware



Delaware Solar Registrations

Year	Solar in MW	Number of Systems
2006	0.0078	2
2007	0.245	50
2008	1.372665	153
2009	2.484411	303
2010** as of 11/8/10	3.44032	183

Step 2: Registering the System in PJM's EIS-GATS

<http://www.pjm-eis.com/>



GATS Information

- Getting set-up in GATS is a two-step process.
 - First you need to register for a GATS account if you do not already have one established.
 - Next, you will need to register your generator with the state certification number
 - In all, it generally takes about 1-2 weeks for the processing to commence.
 - GATS Hotline: 610-666-2245
 - Toll Free Number: 1-877-750-GATS
 - GATS email: gatsadmin@pjm-eis.com

Source – GATS website

PJM & PJM-EIS

- PJM Interconnection, LLC
PJM Interconnection, LLC is the power grid operator and wholesale market administrator for the Mid-Atlantic and portions of the Midwest region. PJM Interconnection ensures the reliability of the high-voltage electric power system serving 51-million people in all or parts of Delaware, Indiana, Illinois, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia.
- PJM Environmental Information Services, Inc.
PJM EIS, Inc. is a wholly-owned subsidiary of PJM Technologies, Inc. which is a subsidiary of PJM Interconnection, LLC. PJM Technologies provides the expertise of PJM through consulting and professional services.
- PJM EIS is the vehicle that provides those consulting services as they relate to energy and the environment. Additionally, PJM EIS owns and operates the GATS for REC issuance and environmental tracking.

PJM Environmental Information Services - GATS

- » PJM EIS's largest focus is to provide the reporting and tracking services of both emissions data and *Renewable Energy Credits* (RECs).
- » For generation owners- both large merchant generation owners, and small business or residential generation owners- GATS tracks the generator's electric output for the issuance of RECs.
- » GATS also tracks the ownership of those RECs through their use by an electric utility for state *Renewable Portfolio Standard* (RPS) compliance.
- » GATS provides users a "bank account" for subscribers who need to demonstrate compliance

PJM Environmental Information Services - GATS

- Through generation data, GATS creates RECs & SRECs
- RECS/SRECs = 1MWh, or 1,000 Kilowatt hours of electric generation
- Every REC/SREC has a unique serial number
- RECs are a commodity the generation owner can sell to an interested buyer
 - Electric utilities
 - Middle men – aggregators/brokers
 - Environmental firms
 - Non-industry companies to reduce carbon footprint
 - [List of Renewable Generators in GATS](#)

PJM Environmental Information Services - GATS

– States that use GATS

- New Jersey
- Maryland
- D.C.
- Pennsylvania
- Delaware
- Illinois
- Ohio

– GATS provide regulators a means to monitor, verify, and document compliance.

Renewable Generators Registered in 17 States & D.C.

State	Units registered	State	Units registered
NJ	5447	IN	48
PA	1633	KY	40
MD	735	WV	35
DE	672	MI	14
VA	367	NY	9
OH	164	MO	4
DC	115	IA	2
NC	111	MN	1
IL	61	TN	1

Solar Facilities Registered in GATS

- 8,807 Solar PV facilities registered
- Total nameplate capacity 238.6 MW
- Largest Solar Project Registered 12 MW
- Thru July 2010, 135,804 Solar PV RECs were created
- Source: GATS 9/27/2010 Subscriber Call

Compliance Years 2007-2009 in Review



Compliance Reports

- [Compliance Report 2009](#)
- Compliance reports are due 120 days from the end of the compliance year (September 29th)
- All third party suppliers & Delmarva Power (S.O.S. provider) must submit a report if they had any retail sales in the State
- Compliance reports are verified and GATS retirement account are reviewed
- All transactions must be made prior to the September 29th deadline! NO exceptions.
- All compliance reports are available on the PSC's RPS webpage well in advance of the deadline
- PSC Staff is always available to answer questions

Compliance Year 2007

- June 1, 2007 – May 31, 2008
- Goal of 2% of eligible energy resources
- 95% of the RPS requirements were met through retiring RECs
- 5% met through Alternative Compliance Payments (ACPs)
- Total ACPs made to the Green Energy Fund= \$314,375

Compliance Year 2008

- June 1, 2008 – May 31, 2009
- Goal of 3% of eligible energy resources, .011% solar carve out
- RECs & SRECs retired comprised 95.96% of RPS requirements
- 4.04% of RPS requirements met by ACPs and Solar ACPs
- In total, the Green Energy Fund received \$262,115 in ACPs & SACPs



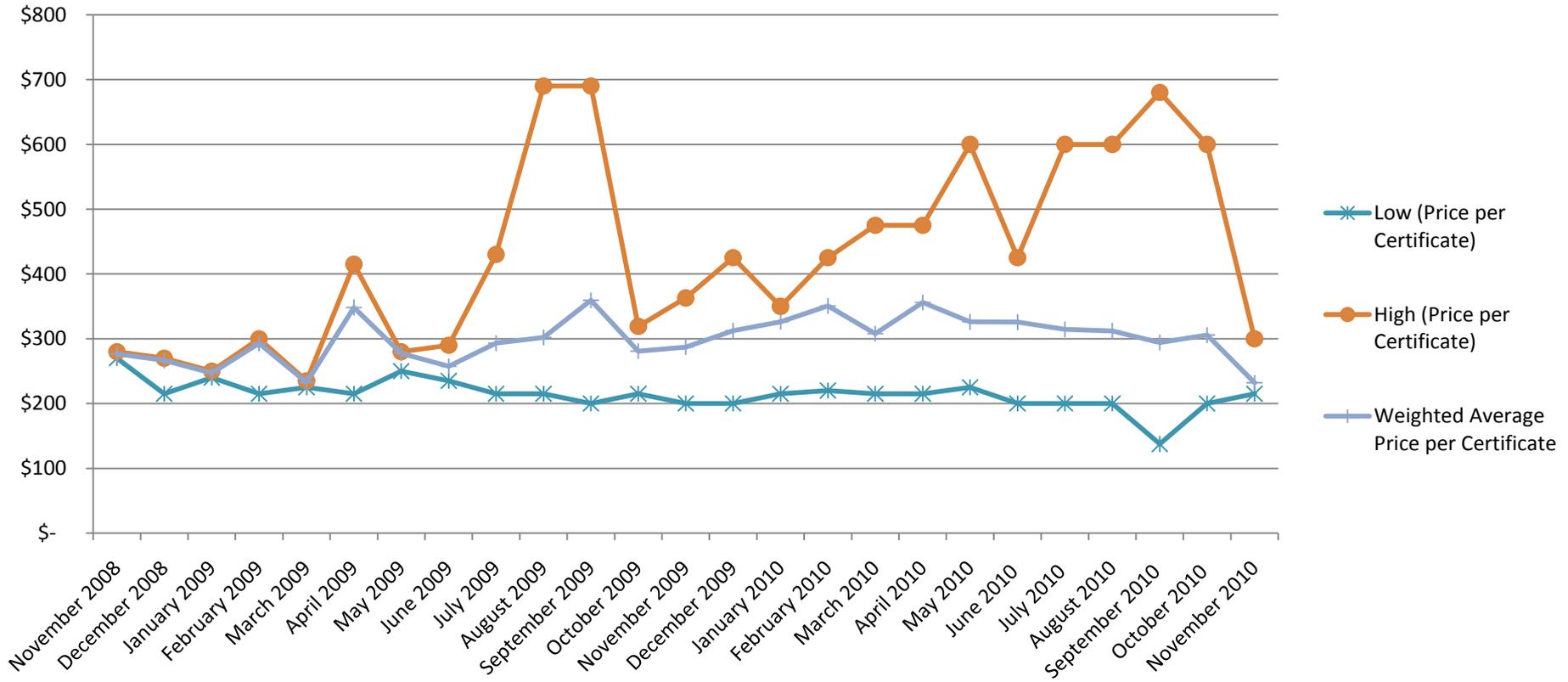
Compliance Year 2009

- June 1, 2009 – May 31, 2010
- Goal of 4% of eligible energy resources, .014% solar carve out
- RECs & SRECs retired comprised 99.98% of RPS requirements
- .02% of RPS requirements met by ACPs and Solar ACPs
- In total, the Green Energy Fund received \$17,300 in ACPs & SACPs



SRECs Prices in GATS 2008-2010

The price paid per SREC during the 2010 calendar year ranges from approximately \$137.00 - \$680.00.



RPS Updates & Commission Activities



Commission Activities

- Regulation Docket 56
 - On September 17, 2010 the Commission entered [Order No. 7834](#) reopening Regulation Docket No. 56 and proposing amendments to the Renewable Energy Portfolio Standards regulations as a result of the recent passage of [Senate Substitute No. 1 for Senate Bill No. 119](#).
 - Order 7862 – republished the regulations for public comment. Comment period will extend thru December 31, 2010.
 - Public Hearing set for February 22, 2011
- NARUC/ DEO Partnership Grant
- August 2010 – DE, MD, & DC submitted a request for a partnership project with DOE to develop a web-based application platform to facilitate the processing by each Commission of solar applications seeking to obtain certification as a renewable energy facility
- Project still in the early stages

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Delaware Public Service Commission

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<http://depssc.delaware.gov/electric/delrps.shtml>

