

- Welcome and Introductions – Ken Schuyler
- GATS Status Update – Ken Schuyler
- NJ SREC Transition Update – NJ BPU
- Current Enhancement Schedule – Jaclynn Lukach
- Direct Metering Status Update – Ken Schuyler
- Proposed Enhancement for Emission-Free Credits – Ken Schuyler
- Subscriber Feedback on GATS – Jaclynn Lukach
- Update from States on Policy and Rulemaking
- Future Meeting – Jaclynn Lukach

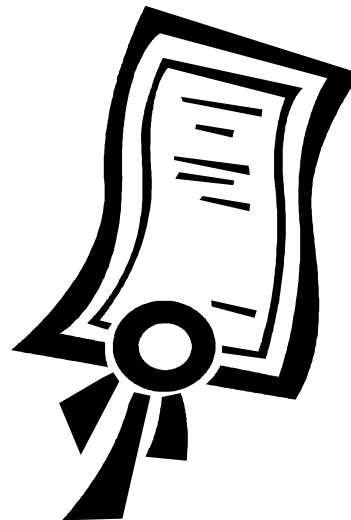
- ❖ 216 SUBSCRIBERS
- ❖ 407 REGISTERED RENEWABLE GENERATORS

## CERTIFICATES CREATED

	<b>GATS Total</b>	<b>2008 Jan - July</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>	<b>2004</b>
# Solar (New Jersey)	0	0	0	0	0	0
# Class I (New Jersey)	9,229,258	3,188,084	3,090,995	1,943,890	1,006,289	0
# Class II (New Jersey)	20,413,765	3,286,932	5,845,074	5,892,941	5,388,818	0
# Solar (Maryland)	0	0	0	0	0	0
# Tier I (Maryland)	17,429,912	3,578,569	4,616,895	4,602,871	1,903,896	2,727,681
# Tier II (Maryland)	21,925,055	3,979,158	5,450,435	5,716,290	2,806,609	3,972,563
# Solar (District of Columbia)	0	0	0	0	0	0
# Tier I (District of Columbia)	7,498,443	2,043,574	3,001,313	2,453,556	0	0
# Tier II (District of Columbia)	6,214,721	1,666,887	2,043,898	2,503,936	0	0

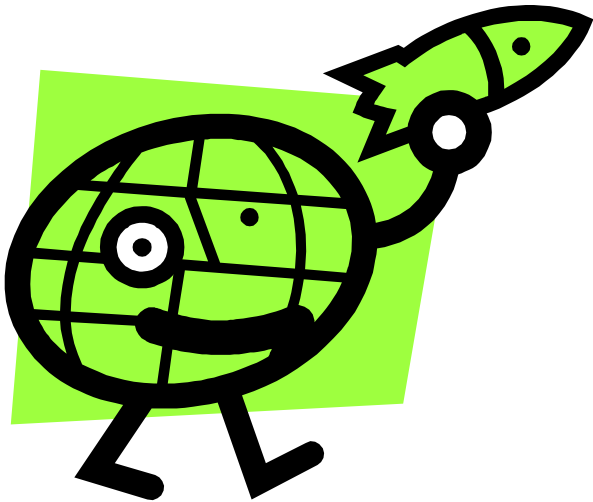
## CERTIFICATES CREATED (cont.)

	<b>GATS Total</b>	<b>2008 Jan – July</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>	<b>2004</b>
# Solar (Pennsylvania)	1,575	662	554	337	60	0
# Tier I (Pennsylvania)	11,453,950	3,379,319	3,621,434	3,093,631	1,359,566	0
# Tier II (Pennsylvania)	107,277,089	17,905,775	31,336,371	30,640,156	27,394,787	0
# Eligible (Delaware)	1,166,284	347,406	510,639	308,239	0	0
# New Eligible (Delaware)	2,650,889	1,629,623	874,413	146,853	0	0



## Renewable Generators Registered by State

- ❖ DE – 102
- ❖ IA - 2
- ❖ IL – 39
- ❖ IN – 7
- ❖ MD – 11
- ❖ MI – 12
- ❖ NC – 4
- ❖ NJ – 31
- ❖ NY – 10
- ❖ OH – 4
- ❖ PA – 116
- ❖ TN – 1
- ❖ VA – 54
- ❖ WV – 14



## **Solar Facilities Registered in GATS**

- 106 solar facilities registered, qualified in PA, DE, and MD
- Total nameplate capability of 1293 kW
- 1706 Solar REC's created in GATS since 2005
- Many are residential facilities (as small as 1 kW)
- None of the above projects are settled in the PJM Market, so generation data is entered by the Account Holder
- However, a proposed 3 MW solar facility in PA is planning to sell its energy in the PJM Market.

- Steve Wiese will give an the NJ SREC Transition Update



- **September 2008**
  - Solar Production Estimates
  - Solar kWh Entry
  - Green-e Energy, Reserved for RPS, Prices for NJ RPS, Load by Zone Prep
- **October 2008**
  - Prices required for Solar REC Transfers
  - Solar REC Pricing Report
  - My Annual Solar Generation Report
  - Behind the Meter Generation File Uploads
  - LSE Load by Zone by State
- **November 2008**
  - RGGI Reports

- New Generator Attributes
  - RGGI-affected unit
  - Unaffected small fossil fuel-fire unit
  - RGGI-region unit
- Infer net “imports” into RGGI portion of PJM
  - “Imports” = difference between load and generation in the RGGI portion of PJM
  - Environmental attributes of net “imports” will be based on non-RGGI PJM residual mix
- New Reports
  - Total PJM load subject to RGGI
  - Total PJM generation in RGGI-region
  - “RGGI emissions mix”
  - “RGGI residual mix”
  - “Unaffected small fossil fuel-fired RGGI-region unit emissions mix”
- For details on these calculations refer to:
  - “Initial Report of the RGGI Emissions Leakage Multi-State Staff Working Group” dated 3/14/2007: [http://www.rggi.org/docs/il\\_report\\_final\\_3\\_14\\_07.pdf](http://www.rggi.org/docs/il_report_final_3_14_07.pdf)
- Enhancements will be implemented by end of 2008

## Total Load, Generation, and Imports/Exports for RGGI Region

UserForm4

All RGGI Region | Delaware | Maryland | New Jersey

Year:

**PJM RGGI Region Report**

Total PJM RGGI Region Load:

Total PJM RGGI Region Generation:

Total Imports/Exports into/from the PJM RGGI Region:

## CO2 Emissions for Generation Serving Load in the RGGI Region

UserForm5 x

All RGGI Region
Delaware
Maryland
New Jersey

Year:

**CO2 Emissions for Generation Serving Load in RGGI Region**

	<u>MWh</u>	<u>Total CO2</u>	<u>Weighted CO2/MWh</u>
RGGI-affected unit in the RGGI Region:	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>
Unaffected RGGI Region Unit:	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>
Other RGGI Region Unit:	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>
<b><i>Total RGGI Region Generation:</i></b>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>
Imports into RGGI Region:	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>
Total w/o Affected RGGI Region Units:	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>	<input style="width: 60px;" type="text"/>

## Total CO2 for All Years

UserForm6
✕

All RGGI Region
Delaware
Maryland
New Jersey

**Total CO2 Emissions**

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
Unaffected RGGI Region Unit:	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>
Imports into RGGI Region:	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>
Total w/o Affected RGGI Region Units:	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>	<input style="width: 60px; height: 20px;" type="text"/>

- **Direct Metering Status Update**

- PJM-EIS has been asked to implement a new attribute for certificates from emission-free energy resources.
- Certificates would be called Emission Free Energy Certificates (EFEC)
- Eligible resources would be generating units that do not directly emit any air pollution (such as Sulfur Dioxide, Nitrogen Oxides, Mercury, and greenhouse gases such as Carbon Dioxide).
- Eligible Fuel Types:
  - Photovoltaic energy
  - Solar thermal energy
  - Wind
  - Hydro (not including pumped storage)
  - Nuclear
  - Tidal energy
  - Wave energy
- Changes to qualifying technologies will be evaluated by the GATS Subscriber Group.

- The EFEC attribute is included with the certificate and cannot be traded separately.
- Participation is voluntary. Generating units would need to register as EFEC-eligible with PJM-EIS GATS and sign an attestation.
- EFECs will be state and calendar-year specific (ex. PA 2008 EFEC)
- There is no banking (unless the certificate also happens to be RPS-eligible).
- No changes to GATS fee structure. Account Holders can transfer certificates to the Reserve account and indicate that they have been sold. A fee of \$0.008/certificate will apply.

- Additional functionality is requested to provide proof of transfer and/or retirement of RECs and EFECs for non-GATS users. The information should be easily distributed via email, fax, or website to each individual purchaser of RECs or EFECs.
  - An additional report will be created to allow an end user to verify certificates were retired on their behalf, whether they are a GATS subscriber or not.
  - The report will contain the unique GATS certificate serial numbers to ensure authenticity and prevent double counting.
  - The report will be available for download and will include the PJM-EIS logo so that the end-user can have confidence that the report truly did come from the GATS System.

**Questions?**

**Comments?**

**Concerns?**

- New Jersey
- Pennsylvania
- Maryland
- Delaware
- District of Columbia
- Others?



- Spring 2009, or as needed