PJM EIS
Generation Attribute Tracking System (GATS)

Solar Training

11/8/2010

Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
- Managing and Using Your Account
- Reports
- GATS Support

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Who is PJM EIS?

- PJM Environmental Information Services, Inc. (PJM EIS) was formed to provide environmental and emissions attributes reporting and tracking services to its subscribers in support of renewable portfolio standards and other information disclosure requirements that may be implemented by government agencies.

- PJM EIS is a wholly-owned subsidiary of PJM Technologies, Inc.

- PJM EIS owns and administers the Generation Attribute Tracking System (GATS).
  - PJM EIS capitalized independently of PJM, L.L.C.
  - GATS cost borne solely by GATS users
  - PJM members have no cost responsibility or liability.

- Users of the GATS enter into a user agreement with PJM EIS for access to use the system. The user agreement defines the:

  1. user fee structure,
  2. terms of use, and
  3. business rules.

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GENERATION ATTRIBUTE TRACKING SYSTEM

- GATS - a regional information system that will track the environmental attributes of generation and will support reporting, compliance and verification requirements related to environmental compliance and related markets
- All MWhs of PJM generation are tracked.
- A certificate market separate from energy is enabled for renewable generation.
  - Certificates (i.e., credits) traded separate from energy
  - Certificates can have different value depending on their attributes (e.g., fuel type, location, date of generation, etc).
- It is a *single information system* that will support a range of reporting, verification, and compliance requirements (e.g., disclosure, RPS, voluntary retail markets, etc).
- It is a *regional* system that will enable PJM states and market participants to support varying needs and priorities.
- A system that is flexible enough to meet evolving state requirements.

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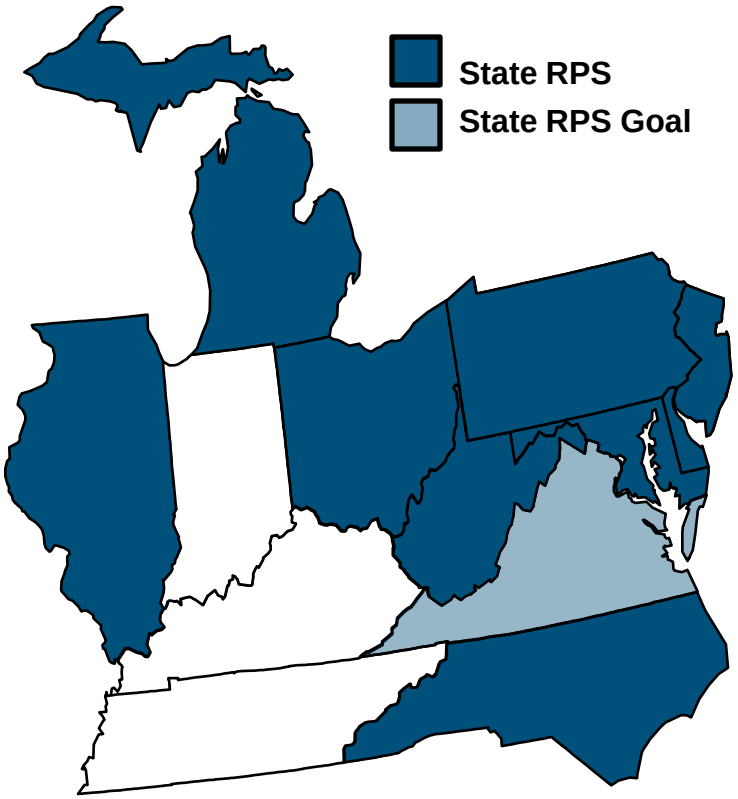
PJM States with RPS

State Renewable Portfolio Standards (RPS) require suppliers to utilize wind and other renewable resources to serve an increasing percentage of total demand.



DSIRE: www.dsireusa.org September 2009

State RPS Targets:

- ☼ NJ: 22.5% by 2021
- ☼ MD: 20% by 2022
- ☼ DE: 25% by 2026 ^
- ☼ DC: 20% by 2020
- ☼ PA: 18%** by 2020
- ☼ IL: 25% by 2025
- ☼ OH: 25%** by 2025
- ☼ NC: 12.5% by 2021 (IOUs)
- MI: 10% + 1,100 MW by 2015 ^
- VA: 15% by 2025 ^
- WV: 25%** by 2025 ^

☼ Minimum solar requirement
^ Extra credit for solar or customer-sited renewables
** Includes separate tier of "alternative" energy resources

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Solar Requirements by State

	NJ	MD	DC	PA	DE	OH	IL	NC
Geographic Requirement	In New Jersey	In Maryland after 2011	In PJM or an Adjacent State	In PJM	Customer-Sited Resources in DE	In Ohio or a Contiguous State	Preference to Cost-Effective Resources in IL	Up to 25% from Out-of-State Resources
Solar Percentages	08-09: 0.16% 09-10: 0.221% 10-11: 306 GWh 11-12: 442 GWh 12-13: 596 GWh 13-14: 772 GWh 14-15: 965 GWh 15-16: 1150 GWh 16-17: 1357 GWh 17-18: 1591 GWh 18-19: 1858 GWh 19-20: 2164 GWh 20-21: 2518 GWh 21-22: 2928 GWh 22-23: 3433 GWh 23-24: 3989 GWh 24-25: 4610 GWh 25-26: 5316 GWh	2008: 0.005% 2009: 0.01% 2010: 0.025% 2011: 0.05% 2012: 0.10% 2013: 0.20% 2014: 0.30% 2015: 0.40% 2016: 0.50% 2017: 0.55% 2018: 0.90% 2019: 1.20% 2020: 1.50% 2021: 1.85% 2022: 2.00%	2008: 0.011% 2009: 0.019% 2010: 0.028% 2011: 0.04% 2012: 0.07% 2013: 0.10% 2014: 0.13% 2015: 0.17% 2016: 0.21% 2017: 0.25% 2018: 0.30% 2019: 0.35% 2020: 0.4%	08-09: 0.0063% 09-10: 0.0120% 10-11: 0.0203% 11-12: 0.0325% 12-13: 0.0510% 13-14: 0.0840% 14-15: 0.1440% 15-16: 0.2500% 16-17: 0.2933% 17-18: 0.3400% 18-19: 0.3900% 19-20: 0.4333% 20-21: 0.5000%	08-09: 0.011% 09-10: 0.014% 10-11: 0.018% 11-12: 0.20% 12-13: 0.40% 13-14: 0.60% 14-15: 0.80% 15-16: 1.00% 16-17: 1.25% 17-18: 1.50% 18-19: 1.75% 19-20: 2.00% 20-21: 2.25% 21-22: 2.50% 22-23: 2.75% 23-24: 3.00% 24-25: 3.25% 25-26: 3.50%	2008: n/a 2009: 0.004% 2010: 0.010% 2011: 0.030% 2012: 0.060% 2013: 0.090% 2014: 0.12% 2015: 0.15% 2016: 0.18% 2017: 0.22% 2018: 0.26% 2019: 0.30% 2020: 0.34% 2021: 0.38% 2022: 0.42% 2023: 0.46% 2024: 0.50%	08-09: n/a 09-10: n/a 10-11: n/a 11-12: n/a 12-13: 0.0035 13-14: 0.12% 14-15: 0.27% 15-16: 0.60% 16-17: 0.69% 17-18: 0.78% 18-19: 0.87% 19-20: 0.96% 20-21: 1.05% 21-22: 1.14% 22-23: 1.23% 23-24: 1.32% 24-25: 1.41% 25-26: 1.50%	2008: n/a 2009: n/a 2010: 0.02% 2011: 0.02% 2012: 0.07% 2013: 0.07% 2014: 0.07% 2015: 0.14% 2016: 0.14% 2017: 0.14% 2018: 0.20%

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Agenda

- Introduction of GATS
  - GATS Terms of Use
  - GATS Subscriber Group
- Subscriber Registration Process
- Asset Management
- Managing and Using Your Account
- Reports
- GATS Support

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Use of the GATS

- All GATS users ("Subscribers") must agree to the GATS Terms of Use before they will be allowed to access the GATS.
- Subscribers will have non-exclusive use of the GATS application.
- Use granted only to the Subscriber.
- Subscribers must also attest that the information they provide into the GATS database will be true and correct and that they will comply with all of the requirements of the GATS Operating Rules.

Dispute Resolution Process

- EIS will implement a dispute resolution process pursuant to which a GATS Subscriber can request that the GATS administrator reverse a transaction for GATS Subscribers who mistakenly perform a transaction that the GATS Subscriber cannot reverse (such as a transfer to a Reserve Subaccount)

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2011 GATS Annual Fees

Annual Fee Amount	Applies To…….
$1500	PJM Load Serving Entities which use GATS (LSEs)
$1000	✓ Large Brokers, Large Traders & Large Renewable Generators (Nameplate greater than10MW) ✓ Aggregators with more than 100 generators will be charged $10 per generator annually
$500	Small Traders
No Annual Fee	✓ Residential Homeowners ✓ Aggregators with less than 100 generators registered and nameplate less than 10MW

- ✓ Annual fees will be prorated based on the account holder's start date
- ✓ On-going annual fees will be billed each December for the subsequent year

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2011 Volumetric and Certificate Fees

Fee Amount	Applies To
$0.01/REC	All Voluntary Sales to a Voluntary Market inside and outside of PJM
$0.010/REC	➢ RECs Exported to a region without a Tracking System (ex. New York) ➢ Transferred to a Compatible Tracking System (ex. MIRECs) ➢ Environmental Claims ➢ Other Reasons
No Fees	➢ Certificate Issuance ➢ Certificate Transfer Fees

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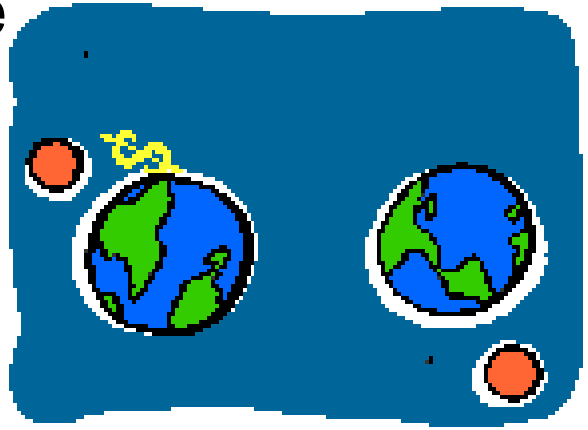
Billing Process

- Invoices will be sent out monthly if any fees are assessed
- Invoices will be sent electronically to an e-mail address designated by the Subscriber
- Invoices will be due 30 days from invoice date



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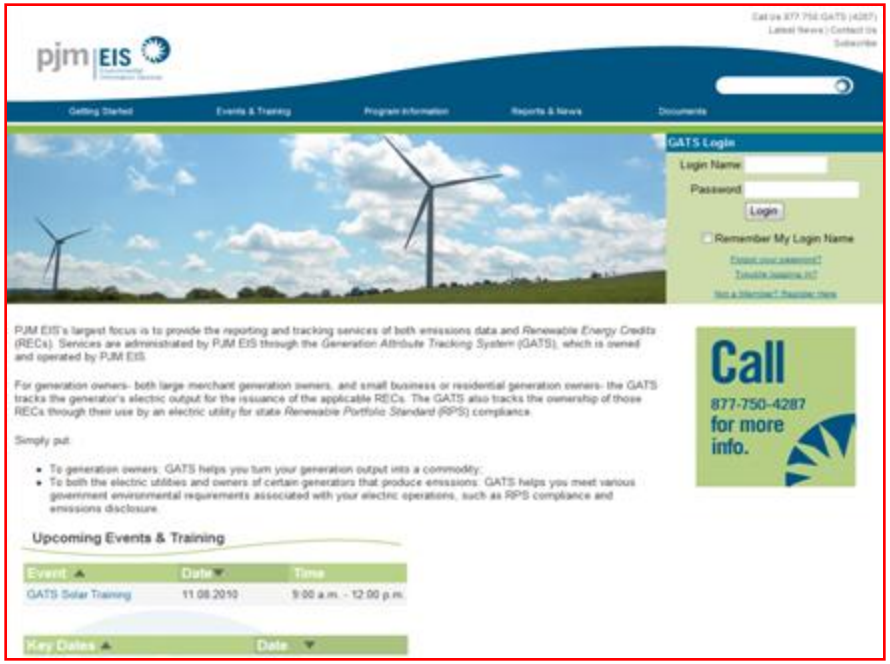
GATS Subscriber Group

- Open to all Subscribers
- Meet at least semi-annually
- Objectives of GATS Subscriber Group
  - Provide input into the development and maintenance of GATS Operating Rules
  - Have access to information and training pertaining to GATS
  - Serve as a vehicle for sharing information created for Subscribers by Subscribers
  - Provide opportunities for networking and establishing business contacts with other GATS Subscribers



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- Subscriber Registration Process
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  - My Account Screen Characteristics
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New Account Registration

- To open a new account go to www.pjm-eis.com and click on the GATS Logon link
- From the main login page click on “Not A Member? Register Here”
- Fill out the required fields and Submit for Approval
- You will be asked to Accept the GATS Terms of Use
- You will receive an email with an activation link to activate your account
- Once the account is activated it will be reviewed within three (3) business days of submittal
- Once approved you will have full functionality of your account

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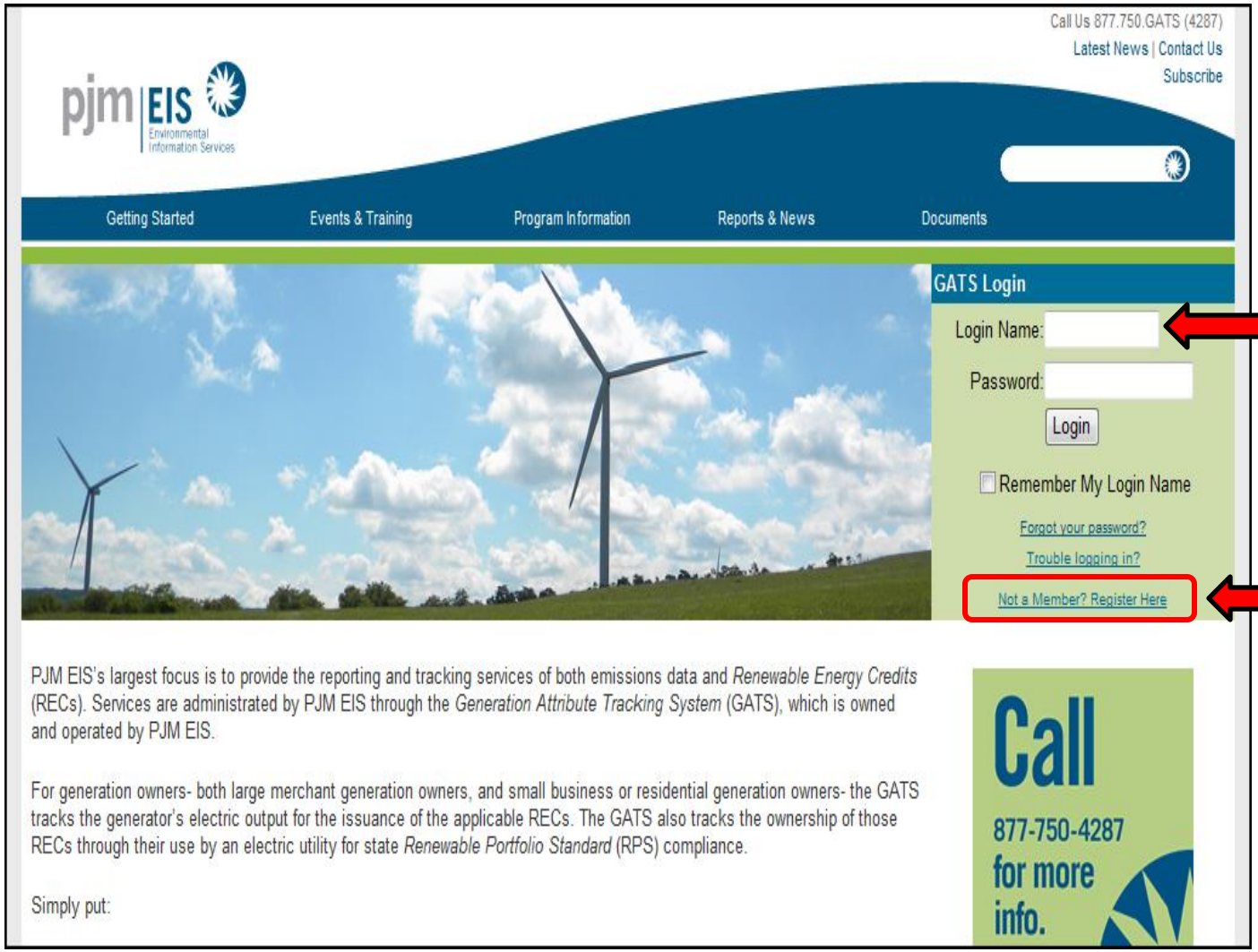
New Account Registration



PJM-GATS Login

To register for a new account click on the "Not A Member? Register Here"

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New Account Registration

Select Account Type and Account Name

New Account Application	
Account Type: *	☑ Generator ☐ LSE ☐ Trader
PJM Member:	☐ (if checked, DUNS Number and Org ID are required)
DUNS Number:	NA (9 - 13 alphanumeric)
Org ID:	NA (1 - 9 numeric characters)
Parent Company Name:	
Wholly Owned Subsidiaries:	
Company Name: *	Lukach Residence

Two Main Fields

- ✓Account Type
  - Small Solar Homeowners and aggregators will be considered a Generator
- ✓Company Name
  - Enter either your Company Name or your Family Name

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New Account Application

GATS-Specific Contact Info		
Display Contact Info on Account Holder Report?	☑	
Contact Person: *	Gayle Dean	
Address1: *	955 Jefferson Ave.	
Address2:		
City: *	Norristown	
State/Province: *	PENNSYLVANIA	
Country: *	USA	
Zip or Postal Code: *	19403	(format: US 12345 / Canadian a1b 2c3)
Phone Number: *	610-666-2245	(format: 123-456-7890)
Fax Number:	610-771-4114	(format: 123-456-7890)
E-mail: *	GATSADMIN@pjm-eis.	(format: abc@example.com)
Web Site:	www.pjm-eis.com	(format: www.example.com)

- ✓ If you would like your contact information included in the Account Holders Report check the "Display Contact Info on Account Holder Report?" check box
- ✓ If checked your contact information will be displayed to other subscribers only

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Select your Login Name and Password

Choose your Login Name and Password:	
Login Name: *	deang (1 to 20 alphanumeric)
Password: *	••••••••• (Minimum of 7 characters with at least 1 number and 1 letter)
Confirm Password: *	•••••••••
Security Question: *	who is your daughter
Security Answer: *	Sophia

- ✓ Choose a login name and memorable password
- ✓ Enter a Security question and answer for verification purposes

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New Account Application

Complete your Billing Information

Billing Information	☑ Use Subscriber Information
Contact Person: *	Gayle Dean
Address1: *	955 Jefferson Ave
Address2:	
City: *	Norristown
State/Province: *	PENNSYLVANIA
Country: *	19403
Zip or Postal Code: *	(format: US 12345 / Canadian a1b 2c3)
Phone Number: *	610-666-2245 (format: 123-456-7890)
Fax Number:	610-771-4114 (format: 123-456-7890)
E-mail: *	GATSADMIN@pjm-eis. (format: abc@example.com)
Department/Location:	

- ✓ Billing Information is only needed in the event that fees are applied
- ✓ As stated in Slides 10 and 11, fees most likely won't be assessed to small solar subscribers
- ✓ Submit for Approval once all of the information is completed

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Accept the Terms of Use

GENERATION ATTRIBUTE TRACKING SYSTEM

TERMS OF USE
LAST MODIFIED ON December 16, 2008

The following are the Terms of Use for using the Generation Attribute Tracking System ("GATS") of PJM Environmental Information Services, Inc. ("EIS").

1. Acceptance of Terms. Your use of the GATS and the GATS website located online at www.pjm-eis.com ("GATS Site") is subject to the following Terms of Use, which constitute a binding contract between you (also referred to herein as "Subscriber") and EIS (Subscriber and EIS are individually referred to herein as a "Party", and collectively referred to herein as "the Parties"). BY USING OR ACCESSING THE GATS, YOU ACCEPT AND AGREE TO BE BOUND BY THESE TERMS OF USE. EIS may modify the Terms of Use at any time and will publish advance notice of any such modifications by posting it on the GATS Site, by electronic or conventional mail, or any other acceptable means of notification as set forth in Section 2(d) hereof. Your use of the GATS is governed by the version of the Terms of Use in effect on the date that the GATS is accessed by you. You can review the current version of the Terms of Use at any time at www.pjm-eis.com. YOUR CONTINUED USE AND ACCESS OF THE GATS AFTER MODIFICATION OF THE TERMS OF USE SIGNIFIES YOUR AGREEMENT TO BE BOUND BY THE MODIFIED TERMS OF USE. In addition, when using the GATS, you shall be subject to any guidelines and/or operating rules applicable to such use which may be posted at www.pjm-eis.com from time to time. All such guidelines and operating rules are incorporated by reference into these Terms of Use. If you do not agree to these Terms of Use, you may not access or otherwise use the GATS.

2. Description of Service.

(a) The GATS provides an unbundled, certificates-based tracking system that reports certain operating Attributes of electricity generators selling Energy through the PJM Market Settlement System. The GATS will compile information regarding the Attributes. The Attributes are unbundled from the megawatt-hour ("MWh") of Energy produced and recorded onto a Certificate. One Certificate shall be created for each MWh of Energy produced, and each Certificate will be assigned a unique serial number. These Certificates may be used by electricity suppliers and other energy market participants to comply with relevant state policies, regulatory programs and to support voluntary "green" electricity markets. The data comprising the GATS includes meter information from the markets settlements database, emissions data and static information input by EIS or the Subscriber such as fuel source and location.

- ✓ The GATS Terms of Use will be displayed and the subscriber must accept them before the account is created
- ✓ The Terms of Use can also be found on the PJM EIS Website

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New Account Registration

pjm | EIS Environmental Information Services

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My Account

Congratulations, you have completed **the first step** of the Account Registration process. **The final step** must still be completed for your account to reach the GATS Administrator.

The final step requires you take action to activate Your Account.

An e-mail has been sent to you with a link. Click on the link in this e-mail and then login to the GATS. Once you have completed the login, you will have completed **the final step**.

An email will be sent to the email address you provided with an activation link

You must activate your account before it will be submitted to the GATS Administrator for approval

Please add GATSAdmin@pjm-eis.com to your address book or the email might get blocked

Congratulations, you have completed the first step of the Account Registration process. The final step must still be completed for your account to reach the GATS Administrator.

The final step requires you take action to activate Your Account.

Click on the following link in this e-mail and then login to the GATS. Once you have completed the login, you will have completed the final step.

http://216.52.68.27/myModule/reg/actAcc.asp?id=443

If an error message appears when you click on the link, or if your My Account window does not function properly, copy the link, paste it into the address line on your browser window, and press the Enter key to access the PJM-EIS GATS system. Make sure you select the entire link.

Once activated, you will have limited access and functionality until the GATS administrator approves your account. Approval should take no longer than one week. You will receive an e-mail message with approval verification or with a request for more information.

GATS Administrator
Phone: 610-666-2245
Email: GATSAdmin@pjm-eis.com

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New Account Registration

- The GATS Administrator will review and approve your account
- Once you receive the approval e-mail, you will have full functionality of your GATS account

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- Managing and Using Your Account
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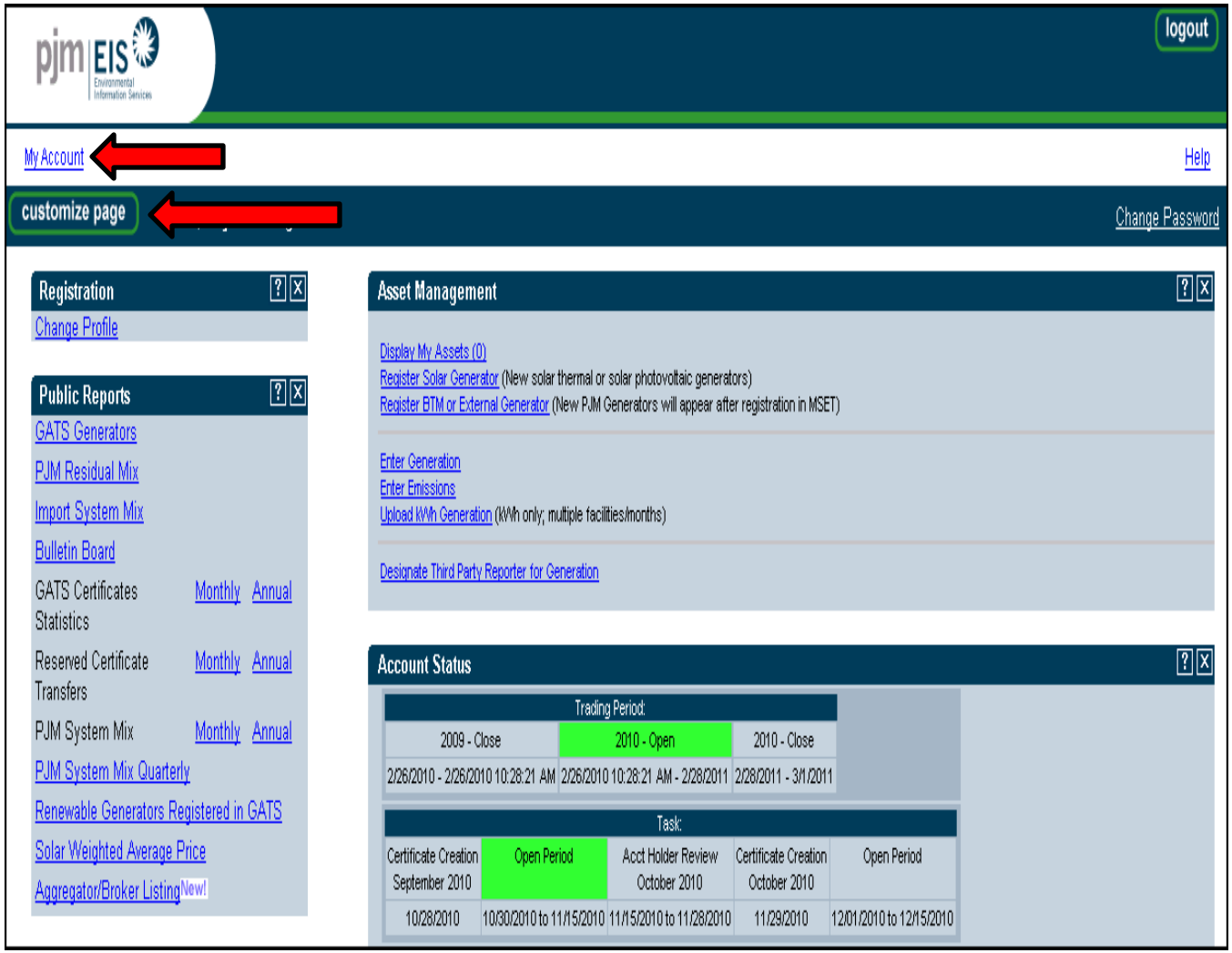
My Account Screen



- The "My Account" Screen is the main window where you will <u>view, select, and update</u> information
- This screen can be <u>customized</u> to show information that is important to each account holder

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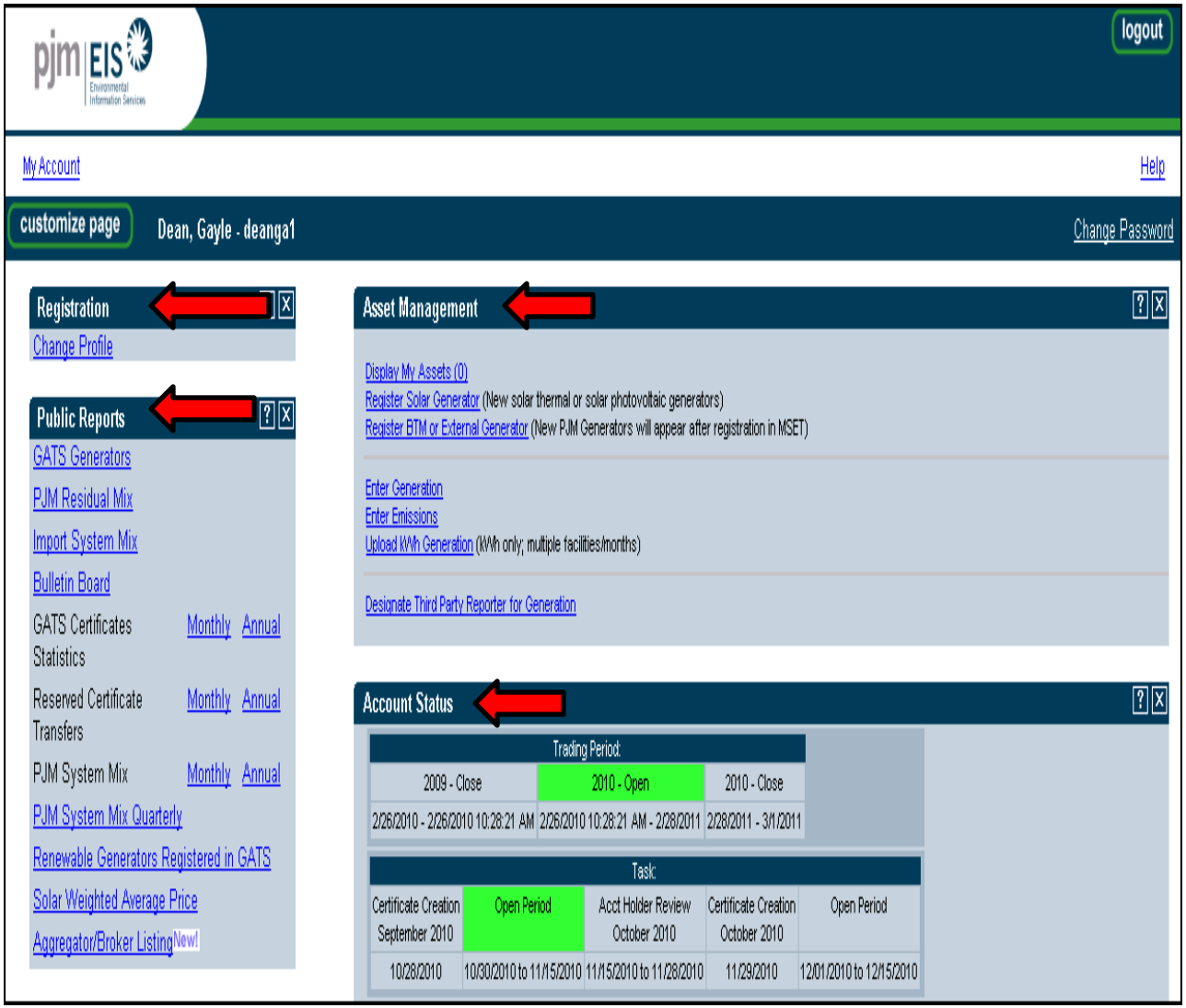
My Account Screen

- There are 10 fields or sections that are available to Subscribers on the "My Account" screen
  - Public Reports
  - Account Information
  - Inbox
  - Outbox
  - State Agency Reports
  - Account Holder Reports
  - Asset Management
  - Message Notification
  - Account Status
  - Standing Orders
  - Registration*
  - Account Management*

* indicates fields that are available only to the Company Account Managers



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My Account-Public Reports

This section provides links to various Public Reports which are accessible by all Account Holders

- **View Bulletin Board**
- **View Solar Weighted Average Price for guidance in pricing SRECS**
- **Aggregator/Broker listing to find purchaser**

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My Account -Account Holder Reports

This section provides links to all applicable personal Account Holder Reports.

This information is helpful in tracking generation.

Account Holder Reports

My Event Log		
My Generation	Monthly	
My Solar Generation	Monthly	
My Annual Production Estimates New!		Annual
My Annual Solar Generation		Annual
My Annual RECs		Annual
My Load	Monthly	
My Imports	Monthly	
My Exports	Monthly	
My Emission	Monthly	
Total Emission by Generator	Monthly	
My Certificates Only Import		
My Certificates Disposition		
My Retail LSE Sub-Accounts		
My Obligations	Monthly	Annual
My Standing Orders	Monthly	
Transfer History		
Default Emission		
My RPS Compliance Report		
GATS Account Holders		

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My Account - Asset Management

Click on the links to view your generator data, register a new Solar generator or BTM generator.

These three links can be used to update Production.

Click here to choose a TPR

Asset Management

Display My Assets (1)

Register Solar Generator (New solar thermal or solar photovoltaic generators)

Register BTM or External Generator (New PJM Generators will appear after registration in MSET)

Enter Generation

Enter Emissions

Upload kWh Generation (kWh only; multiple facilities/months)

Designate Third Party Reporter for Generation

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My Account - Account Status

This section provides information on the trading period as well as an Account Summary including Certificate Activity.

Current generation not yet processed.

SRECS are kept in the CEPS subaccount once generation is processed.

Account Status

Trading Period:		
2009 - Close	2010 - Open	2010 - Close
2/26/2010 - 2/26/2010 10:28:21 AM	2/26/2010 10:28:21 AM - 2/28/2011	2/28/2011 - 3/1/2011

Task:				
Certificate Creation September 2010	Open Period	Acct Holder Review October 2010	Certificate Creation October 2010	Open Period
10/28/2010	10/30/2010 to 11/15/2010	11/15/2010 to 11/28/2010	11/29/2010	12/01/2010 to 12/15/2010

Account Summary

MSET Data & Manual Generation Totals

Supply MWh		Demand MWh	
Generation	N/A	Load	N/A
Imports	N/A	Exports	N/A

Account Activity

Certificates		Obligations	
Active	0	Transferred In	0
CEPS	0	Transferred Out	0
On Bulletin Board	0		
Bulletin Board Purchases			
Reserved	0		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	0

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My Account- Inbox & Outbox

This section lists any incoming or outgoing Obligations and Certificates the Account Holder may be transferring or receiving

Outbox

Obligation

To	Quantity	Status	Withdraw
Empty			

Certificate

Outbox Certificate Details

To	Quantity	Month/Year	Price per Certificate	Status	Withdraw
Empty					

Standing Orders

To	MSET ID	Quantity %	Status	Withdraw
Empty				

Certificate Import Only

CompatibleSystemName	Month	Quantity	Status	Withdraw
Empty				

Inbox

Obligation

From	Quantity	Status	Confirm	Reject
Empty				

Certificate

Inbox Certificate Details

From	Quantity	Month/Year	Price per Certificate	Status	Confirm	Reject
Empty						

Standing Orders

From	Quantity %	Status	Confirm	Reject
Empty				

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- Introduction of GATS
- Subscriber Registration Process
- Asset Management
  - Display Your Assets
  - Registering Generators
  - Entering Monthly Generation
  - Uploading kWh Generation
  - Designate Third Party Reporter for Generation
- Managing and Using Your Account
- Reports
- GATS Support

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Asset Management – Display Your Assets

Asset Management

Display My Assets (41)
Register Solar Generator (New solar thermal or solar photovoltaic generators)
Register BTM or External Generator (New PJM Generators will appear after registration in MSET)

Enter Generation
Enter Emissions
Upload kWh Generation (kWh only; multiple facilities/months)

Designate Third Party Reporter for Generation

- To Display the Assets that you have registered in your GATS Account click on "Display My Assets"

Asset Management (All) - Account Holder ID: 18754

Unit ID	Plant - Unit	PJM?	Entry Type	Third Party?	Status
NON35979	35979Gen - 35979Unit	No	Prod. Est. (kWh)		Approved
NON35988	35988Gen - 35988Unit	No	Prod. Est. (kWh)		Approved
NON36031	36031Gen - 36031Unit	No	Prod. Est. (kWh)		Approved
NON36095	36095Gen - 36095Unit	No	Prod. Est. (kWh)		Approved
NON36103	36103Gen - 36103Unit	No	Prod. Est. (kWh)		Approved
NON36142	36142Gen - 36142Unit	No	Prod. Est. (kWh)		Approved
NON36173	36173Gen - 36173Unit	No	Prod. Est. (kWh)		Approved
NON36178	36178Gen - 36178Unit	No	Prod. Est. (kWh)		Approved
NON36181	36181Gen - 36181Unit	No	Prod. Est. (kWh)		Approved
NON36183	36183Gen - 36183Unit	No	Prod. Est. (kWh)		Approved
NON36241	36241Gen - 36241Unit	No	Prod. Est. (kWh)		Approved
NON36242	36242Gen - 36242Unit	No	Prod. Est. (kWh)		Approved
NON36617	36617Gen - 36617Unit	No	Prod. Est. (kWh)		Approved
NON36629	36629Gen - 36629Unit	No	Prod. Est. (kWh)		Approved
NON36630	36630Gen - 36630Unit	No	Prod. Est. (kWh)		Approved

- Once your systems are listed you can then click on the Plant-Unit link to view the details of the systems such as address, system size, system characteristics and certification numbers

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
  - Display Your Assets
  - Registering Generators
  - Entering Monthly Generation
  - Uploading kWh Generation
  - Designate Third Party Reporter for Generation
- Managing and Using Your Account
- GATS Support

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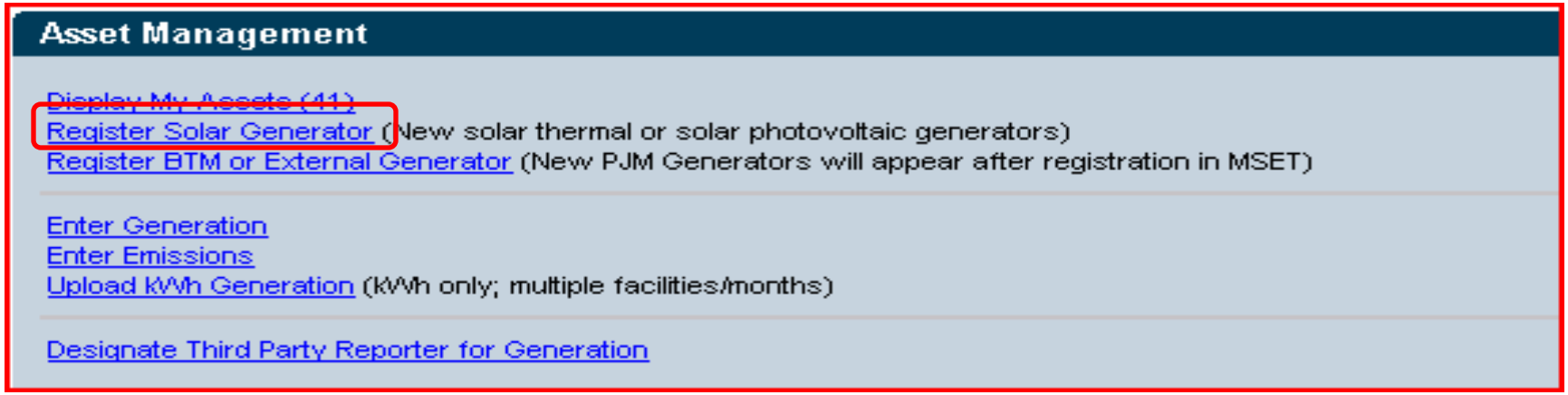
Asset Management – Registering Solar Generators



- ✓ Click on the Register Solar Generator Link to register your solar system
- ✓ You will be able to register both you Solar PV Systems and Solar Thermal Systems

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Asset Management – Register Solar PV System

pjm | EIS Environmental Information Services

New Solar Generator Application

PJM Generator:	No
Generator Type: *	◉ Solar Photovoltaic ○ Solar Thermal
System Name 1: *	Riley
System Name 2: *	Riley
System Size (kW): *	8.5 (kW - DC Rating) Enter number without "kW" designation, that is "100"
Street Address	
Street 1: *	11818 Colman Road
Street 2:	
City: *	Philadelphia
County: *	Philadelphia
State: *	PENNSYLVANIA
ZIP Code: *	19122 (format: XXXXX or XXXXX-XXXX)
Owner Type: *	Owner Select One Owner Generator Broker/Aggregator Offtaker
Owner Information:	owner's name.
Vintage	
Online Date: *	03/2009 (format: MM/YYYY)
Utility Interconnection Date:	06/2009 (format: MM/DD/YYYY)

System Name

- This can be anything the subscriber would like
- System Name 1 and 2 can be same

Owner Type

Owner – physical owner registering their system

Generator Broker/Aggregator – Schedule A must be submitted

Online Date

date your system was turned on

Interconnection Date

date your utility company approved interconnection

*** Indicates Required Field**

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Asset Management – Register Solar PV System

PV Characteristics

System Characteristics

	Module Quantity	Module Size	Tilt (0.00-90.00°)	Orientation (0.00-360.00°)
Array 1	14	200	30	195
Array 2	30	190	40	195
Array 3				
Array 4				

* Required field

** Required if available

Next Cancel

The System Characteristics are not required, if the subscriber has them available it would help the GATS Administrator create an accurate estimate for their system

The system size can be determined if the number of modules and module size is available.
(Module Quantity*Module Size) / 1000 = System Size
(14*200)/1000 = 2.8
(30*190)/1000 = 5.7
2.8 + 5.7 = 8.5kW

BTU Characteristics

System Characteristics

Number of Modules	2
Module Manufacturer	
System Model	
Annual Estimated Output *	2648 (kWh)
Meter Manufacturer	
Meter Make	
Meter Model	
Meter OIML Certified?	☐

Annual Estimated Output is required for all solar thermal systems to determine the appropriate estimates for those systems.

Click Next to get to Page Two of the Registration
Page Two – State Certification Number Entry

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Asset Management – Register Solar PV System

New Solar Generator Application	
	Solar - Photovoltaic
New Jersey	Uncheck All
Solar Renewable Energy Credit (REC):	(check for yes)
State Certification Number:	NJ-123456-SUN-01
Eligibility End Date:	(format: MM/YYYY)
Maryland	Uncheck All
Solar Renewable Energy Source:	(check for yes)
State Certification Number:	NA
Eligibility End Date:	NA (format: MM/YYYY)
District of Columbia	Uncheck All
Solar Renewable Energy Source:	(check for yes)
State Certification Number:	NA
Eligibility End Date:	NA (format: MM/YYYY)
Pennsylvania	Uncheck All
Solar Renewable Energy Source:	(check for yes)
State Certification Number:	NA
Eligibility End Date:	NA (format: MM/YYYY)

State Certification Numbers

- Systems can be certified in multiple states
- Systems must have at least one valid Certification Number prior to registering in GATS
- Eligibility End Dates are not required

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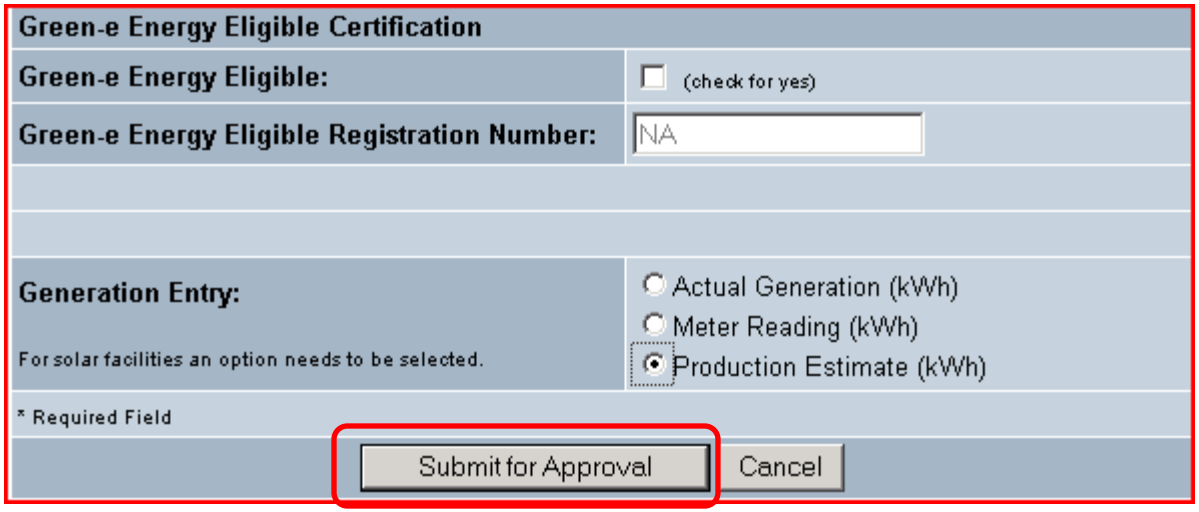
Asset Management – Register Solar PV System



Green-e Eligible Certification is provided by the Center of Resource Solutions, not each individual state.

Generation Entry Type must be selected prior to submitting your system for approval.
Actual Generation: provide the kWh that was generated since the last data entry
Meter Reading: provide the reading from either the inverter or meter and the system will determine the kWh that was generated since the last data entry
Production Estimate: systems are allowed to use estimates within the state rules. Certain states will not allow systems to use estimates.

Click Submit for Approval

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Generator Approval Process

- Generator registrations will be reviewed within 3 business days of the date submitted
- If additional information is required the generator will be put back into Need Info Status
  - An email will be sent out from the GATS System regarding what is being requested
    - Subscribers are urged to make sure that your email will not block emails from GATSAdmin@pjm-eis.com or you won't receive the email
  - Once the additional information is submitted the subscriber must Submit for Approval again for the generating unit to show up in the GATS Administrator's Inbox for review
- Once all of the information is accurate on the generating unit it will be approved
  - Solar systems using estimates will have the estimates entered in at that time
  - Account Holders are unable to input generation until their unit is Approved

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
  - Display Your Assets
  - Registering Generators
  - Entering Monthly Generation
  - Uploading kWh Generation
  - Designate Third Party Reporter for Generation
- Managing and Using Your Account
- Reports
- GATS Support

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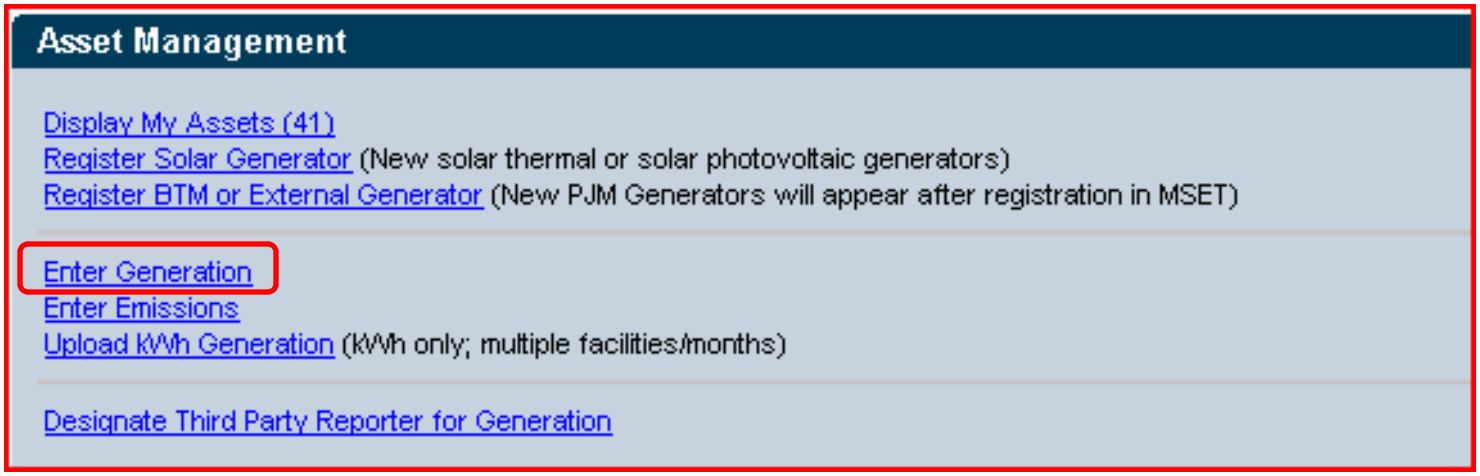
Entering Monthly Generation – Actual kWh and Meter Readings



Click on "**Enter Generation**" it is bright blue and underlined. It is in the Asset Management block, the first block on the right hand side of the screen.

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Entering Monthly Generation – Actual kWh

- Click on the generator for which you would like to enter kWh generation.

Search | 98 Generators | Reset | Missing Generation Only | Third Party Reporters Only

```
Act/kWh,NON34435 : 34435Gen - 34435Unit
Act/kWh,NON34512 : 34512Gen - 34512Unit
Act/kWh,NON34695 : 34695Gen - 34695Unit
Act/kWh,NON34696 : 34696Gen - 34696Unit
Act/kWh,NON34697 : 34697Gen - 34697Unit
Act/kWh,NON34698 : 34698Gen - 34698Unit
Act/kWh,NON34699 : 34699Gen - 34699Unit
Act/kWh,NON34700 : 34700Gen - 34700Unit
Act/kWh,NON34701 : 34701Gen - 34701Unit
Act/kWh,NON34726 : 34726Gen - 34726Unit
```

Generators shown in red are missing generation.

Generation | Save | Cancel

<< < **Plant - Unit:** 34435Gen - 34435Unit **Generation Start Date:** 1/2008 > >>

Period	Jul 2009	Aug 2009	Sep 2009	Oct 2009	Nov 2009	Dec 2009	Jan 2010	Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010	Jul 2010	Aug 2010	Sep 2010
Source	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)
Estimates (kWh)	431	434	406	419	310	308	332	345	463	441	460	440	431	434	406
Generation (kWh)	0	0	0	0	0	0	2,885	325	450	462	455	449			

- On either side of the month click on the "<" or ">" to scroll forward or backward to enter monthly data.
- In the row for "**Generation (kWh)**" enter the kilowatt hours generated that month.

Click Save

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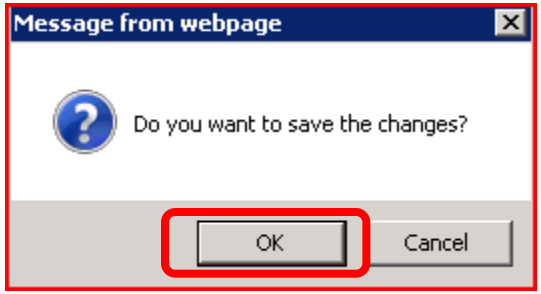
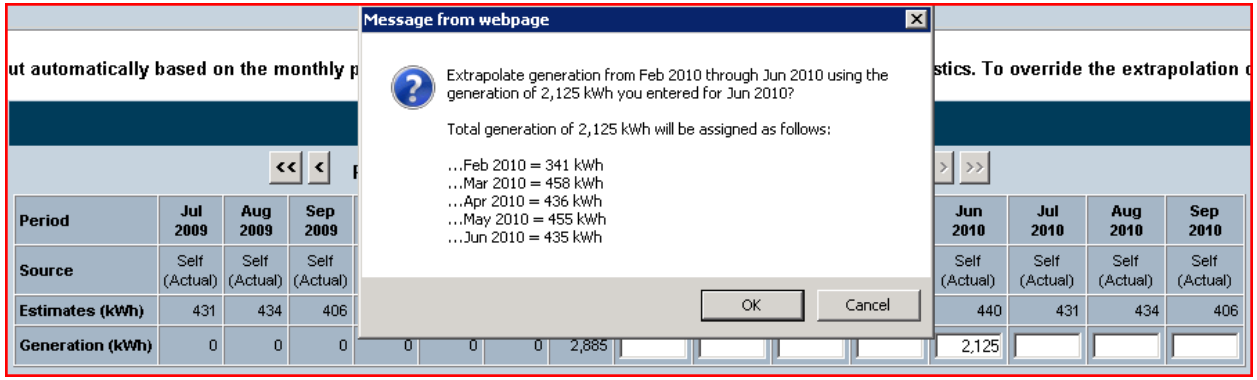
Entering Monthly Generation – Actual kWh

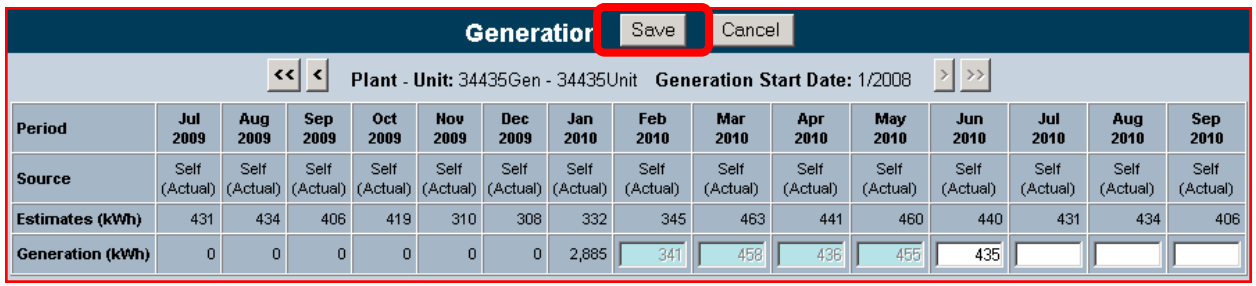


❖ Click OK to save the changes

❖ If you do not have the generation data by month the system will extrapolate the data based on the production estimates



❖ Click Save and OK



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Entering Monthly Generation – Meter Readings

Generation Save Cancel

<< < **Plant - Unit:** 38421Gen - 38421Unit **Generation Start Date:** 8/2005 > >>

Period	Jul 2009	Aug 2009	Sep 2009	Oct 2009	Nov 2009	Dec 2009	Jan 2010	Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010	Jul 2010	Aug 2010	Sep 2010
Source	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Actual)	Self (Meter)	Self (Actual)	Self (Meter)	Self (Meter)	Self (Meter)	Self (Meter)	Self (Meter)	Self (Meter)	Self (Meter)	Self (Meter)
Estimates (kWh)	1,247	1,226	1,169	1,088	861	805	944	979	1,189	1,228	1,291	1,200	1,247	1,226	1,169
Generation (kWh)	0	0	0	0	0	5,815	0	874	789	755	824	1,223	818		
Previous Reading (kWh)						0		0	49,716	50,505	51,260	52,084	53,307	54,125	
Reading (kWh)						48,842		49,716	50,505	51,260	52,084	53,307	54,125		
Date						01/28/2010		02/28/2010	03/31/2010	04/30/2010	05/26/2010	06/29/2010	8/1/2010		

- On either side of the month click on the "<" or ">" to scroll forward or backward to enter monthly data
- In the row for "**Reading (kWh)**" enter the raw read from your inverter or the combined total of your inverters. Also enter the "**Date**" the meter was read. If you do not know how to read your inverters contact your installer.
- The system will automatically compare this month's reading to last month, subtracting the difference and reporting it in the row for "**Generation (kWh)**".

Click Save

NOTE: READING DATES WILL ONLY BE ACCEPTED UP THROUGH THE 15TH OF THE MONTH

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Data Entry Validation

- Production Estimates will be inputted into the GATS System by the GATS Administrator
- Systems that are using estimates for certificate creation will begin with the first full month of generation (1st month after online date or interconnection date depending on state certification)
- Production Estimates will also be used during the certificate creation to evaluate the data that was self-reported
  - The Subscriber will be notified at the time of data entry if they entered a value that is less than or greater than 30% of what a production estimate is. This will only be a warning and will not prevent you from continuing.
  - The GATS Administrator will be notified if what the subscriber entered was less than or greater than 30% of the production estimates

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
  - Display Your Assets
  - Registering Generators
  - Entering Monthly Generation
  - Uploading kWh Generation
  - Designate Third Party Reporter for Generation
- Managing and Using Your Account
- Reports
- GATS Support

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Asset Management – File Upload kWh Generation

Asset Management

Display My Assets (41)
Register Solar Generator (New solar thermal or solar photovoltaic generators)
Register BTM or External Generator (New PJM Generators will appear after registration in MSET)

Enter Generation
Enter Emissions
Upload kWh Generation (kWh only; multiple facilities/months)

Designate Third Party Reporter for Generation

Upload kWh Generation

Upload generation from a comma-separated (CSV) file
Enter generation as text

Upload kWh Generation

Upload a CSV (comma-separated-value) file directly from your computer:

Browse...

The letters below refer to columns in Excel.

If the facility has been defined to enter their **actual generation**, enter:

- A: Facility ID
- B: Leave this field blank (enter just a comma)
- C: Generation for the month, in kWh
- D: Leave this field blank (enter just a comma)
- E: Month/year in which the generation occurred (mm/yyyy)

For example, to enter two month's of generation for facility NON1234 with 107 and 142 kWh in September and October, and one month of generation for facility NON7654 with 867 kWh in September:

```
1234,,107,,09/2008
1234,,142,,10/2008
7654,,867,,09/2008
```

If the facility has been defined to enter their generation as monthly **meter readings**, enter:

- A: Facility ID
- B: Meter reading, in kWh. (Do **not** include commas in the reading)
- C: Leave this field blank (enter just a comma)
- D: Meter reading date (mm/dd/yyyy)
- E: Month/year in which the generation occurred (mm/yyyy)

For example, to enter two month's of generation for facility NON6754 with meter readings of 14523 and 14798 kWh in September and October and one month of generation for facility NON1989 with a meter reading of 15849 kWh in September:

```
6754,14523,,10/01/08,09/2008
6754,14798,,10/31/08,10/2008
1989,15849,,09/30/08,09/2008
```

Click here to download a sample CSV file.

Save Cancel

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Asset Management – Text Data Entry for kWh

Asset Management

Display My Assets (41)
Register Solar Generator (New solar thermal or solar photovoltaic generators)
Register BTM or External Generator (New PJM Generators will appear after registration in MSET)

Enter Generation
Enter Emissions
Upload kWh Generation (kWh only; multiple facilities/months)

Designate Third Party Reporter for Generation

Upload kWh Generation

Upload generation from a comma-separated (CSV) file
Enter generation as text

Upload kWh Generation

Enter kWh generation information for each facility on a separate line. Enter five (5) fields, separated by commas. If the field doesn't apply, leave it blank.

The letters below refer to columns in Excel.

If the facility has been defined to enter their **actual generation**, enter:

- A: Facility ID
- B: Leave this field blank (enter just a comma)
- C: Generation for the month, in kWh
- D: Leave this field blank (enter just a comma)
- E: Month/year in which the generation occurred (mm/yyyy)

For example, to enter two month's of generation for facility NON1234 with 107 and 142 kWh in September and October, and one month of generation for facility NON7654 with 867 kWh in September:

```
1234,,107,,09/2008
1234,,142,,10/2008
7654,,867,,09/2008
```

If the facility has been defined to enter their generation as monthly **meter readings**, enter:

- A: Facility ID
- B: Meter reading, in kWh. (Do **not** include commas in the reading)
- C: Leave this field blank (enter just a comma)
- D: Meter reading date (mm/dd/yyyy)
- E: Month/year in which the generation occurred (mm/yyyy)

For example, to enter two month's of generation for facility NON6754 with meter readings of 14523 and 14798 kWh in September and October and one month of generation for facility NON1989 with a meter reading of 15849 kWh in September:

```
6754,14523,,10/01/08,09/2008
6754,14798,,10/31/08,10/2008
1989,15849,,09/30/08,09/2008
```

Save Cancel

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
  - Display Your Assets
  - Registering Generators
  - Entering Monthly Generation
  - Uploading kWh Generation
  - Designate Third Party Reporter for Generation
- Managing and Using Your Account
- Reports
- GATS Support

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Asset Management – Designate Third Party Reporter

Asset Management

Display My Assets (41)
Register Solar Generator (New solar thermal or solar photovoltaic generators)
Register BTM or External Generator (New PJM Generators will appear after registration in MSET)

Enter Generation
Enter Emissions
Upload kWh Generation (kWh only; multiple facilities/months)

Designate Third Party Reporter for Generation

- Click on the Designate Third Party Reporter for Generation link under the Asset Management Section

Third Party Reporter Selection

Facility ID	Facility Name	Third Party Reporter	Update Third Party
NON34423	34423Gen-34423Unit		Locus Energy
NON34424	34424Gen-34424Unit		Locus Energy
NON34433	34433Gen-34433Unit		Locus Energy
NON34434	34434Gen-34434Unit		
NON34435	34435Gen-34435Unit		None Locus Energy Trimark Associates, Inc
NON34512	34512Gen-34512Unit		

- Select the Third Party from the Update Third Party drop down.

NOTE: If you select a Third Party Reporter you are able to unselect them at any time as long as data has not been entered for the month in review. If data has been entered in then you are unable to deselect the Third Party until that data is processed on the last business day of the month.

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
- Managing and Using Your Account
  - Subaccount Descriptions
  - GATS Trading & Review
  - Creation of Certificates
  - Transfer of Certificates
  - Bulletin Board Functionality
- Reports
- GATS Support

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GATS Account Structure

There are 3 types of Subaccounts within a GATS Account:

- Active Subaccount
- CEPS Subaccount
- Reserve Subaccount

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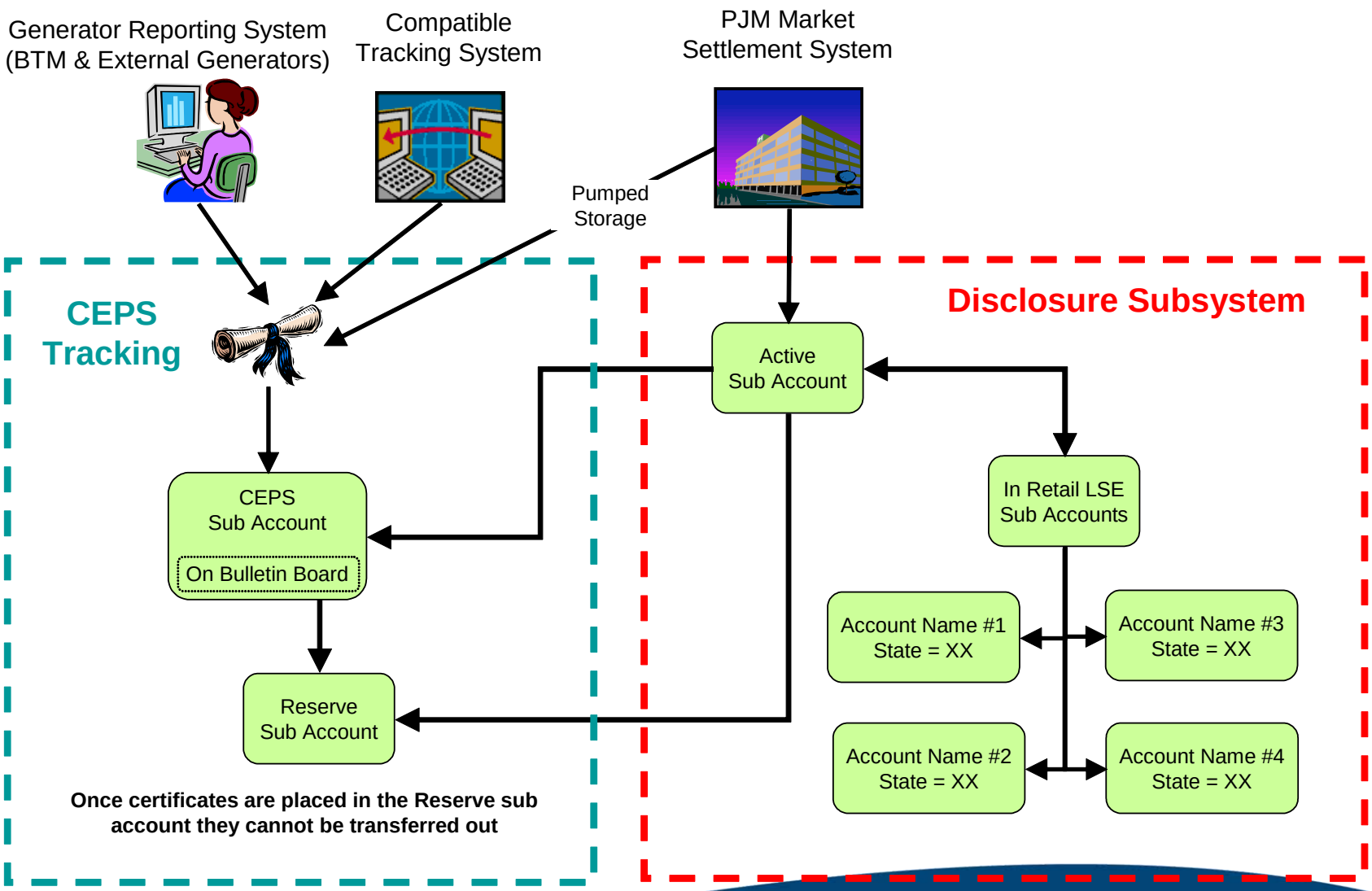
GATS Account Structure



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Active Subaccount

- The Active Subaccount is similar to a cash checking account
- The GATS certificates are liquid and the Account Holder can transfer them as needed
- The Active Subaccount is a holding place for all active GATS Certificates
- It is the first point of deposit for GATS Certificates associated with one or more PJM or GATS Registered Import generator

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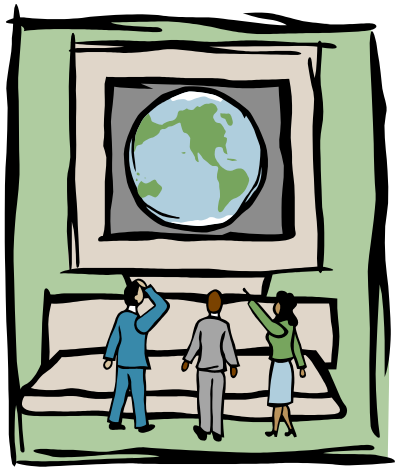
CEPS Subaccount



- A CEPS (Clean Energy Portfolio Standard) Subaccount holds unsold, unused CEPS-Eligible Certificates
- CEPS-Eligible Certificates are from generating resources which are eligible by state policy for a portfolio standard in a PJM state
- A CEPS Subaccount is the first point of deposit for any GATS Certificates associated with Solar Generators

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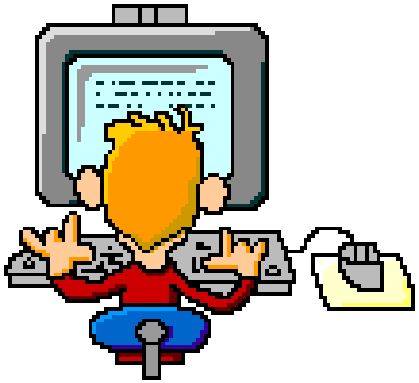
Reserve Subaccount



- A Reserve Subaccount tracks certificates that are reserved by the Account Holder for RPS Compliance, exported from GATS, or retired for various reasons (i.e. Voluntary Markets, Make Environmental Claims)
- Once certificates are placed into this account they can no longer be traded within the GATS System

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
- Managing and Using Your Account
  - Subaccount Descriptions
  - GATS Trading & Review
  - Creation of Certificates
  - Transfer of Certificates
  - Bulletin Board Functionality
- Reports
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Account Holder Review Period

- Prior to certificate creation, the Account Holder will have a review period when data can be entered
- The review period for solar systems will go from the 1st of each month to the day before the last business day of each month
- Certificates will be created on the last business day

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Trading & Review Period

Account Status

Trading Period:		
2007 - Close	2008 - Open	2008 - Close
2/29/2008 - 2/29/2008 9:54:46 AM	2/29/2008 9:54:46 AM - 2/27/2009	2/27/2009 - 3/2/2009

Task:				
Open Period	Acct Holder Review August 2008	Certificate Creation August 2008	Open Period	Acct Holder Review September 2008
08/29/2008 to 09/04/2008	09/04/2008 to 09/30/2008	09/30/2008	10/01/2008 to 10/14/2008	10/14/2008 to 10/31/2008

Account Status

Trading Period:		
2007 - Close	2008 - Open	2008 - Close
2/29/2008 - 2/29/2008 9:54:46 AM	2/29/2008 9:54:46 AM - 2/27/2009	2/27/2009 - 3/2/2009

Task:				
Acct Holder Review September 2008	Certificate Creation September 2008	Open Period	Acct Holder Review October 2008	Certificate Creation October 2008
10/14/2008 to 10/31/2008	10/31/2008	11/03/2008 to 11/14/2008	11/14/2008 to 11/26/2008	11/26/2008

The Task section will provide information on when the most current certificates were created and the Account Holder Review Dates associated with those Certificates

Tasks will be highlighted tasks based on the status of the Review Period

Color Codes

- Designates "Open Period" for certificates to be traded, sold, moved, etc. Solar Systems can input data during this time
- Designates "Review Period" for the Account Holder to review and update emissions data etc. before certificates are created
- Designates "Certificate Creation Period" where the GATS Administrator is creating certificates. No changes can be made for data associated with the month the certificates are being created for

Note: Previously created certificates can be transferred/traded anytime throughout the Trading Period

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
- Managing and Using Your Account
  - Subaccount Descriptions
  - GATS Trading & Review
  - Creation of Certificates
  - Transfer of Certificates
  - Bulletin Board Functionality
- Reports
- GATS Support

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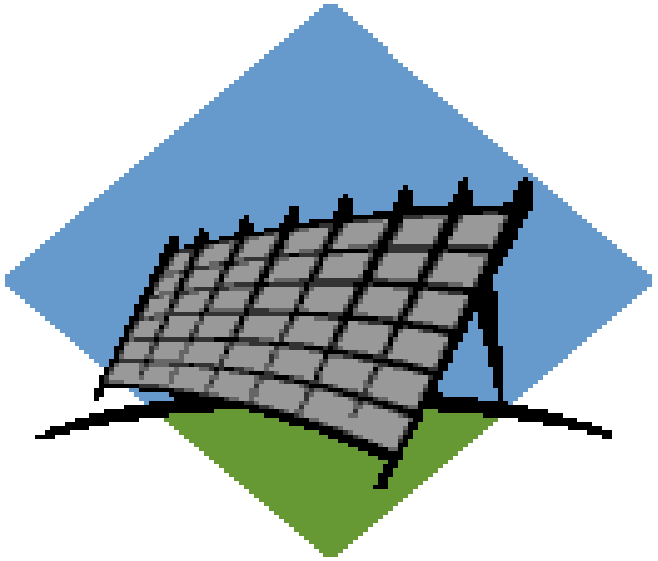
Creation of Certificates

- GATS will create Solar Certificates once a full MWh is generated
- In the event that there is remaining kWh, they will be added to the next month's kWh to determine if a full MWh is generated
- At the end of the GATS Trading Period the remaining generation will automatically be carried over into the next Trading Period so that no generation is lost



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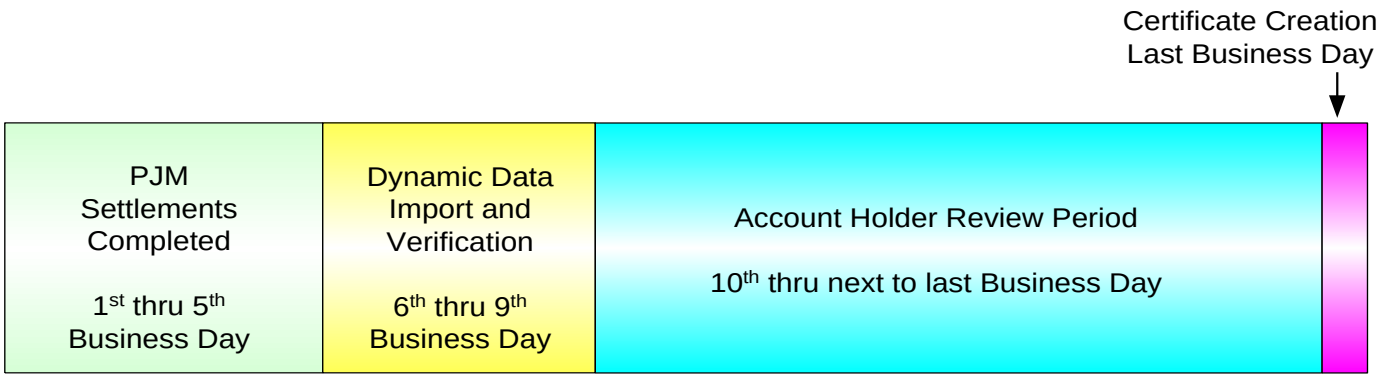
Certificate Creation Timeline



Certificate Creation Timeline - Month following month of generation)

- ✓ RECs created <u>monthly</u> to increase flexibility and accommodate differing state reporting periods
- ✓ Generator production data for a given month can be entered any time during the following month
- ✓ Data can be entered until **<u>NOON</u>** the day before the last business day of the month
- ✓ RECs created on the last business day of each month

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Sample Certificate

pjm | EIS Environmental Information Services

logout

My Account | Help

Certificate Information

Plant - Unit Name: **RileySolar - 2**
Month and year of generation : **8/2008**
Certificate Serial Numbers: **From 42268-1 to 42268-1**
Type of Certificate: **Standard**
Total Certificates: **1**

Certificate Information

Part 1 - Fuel Sources

0% - Solar - Photovoltaic
Short Description - **Solar - Photovoltaic**
Description - **Photovoltaic**
Fuel Type Attributes - **NA**

Fuel Sources

Part 2 - Renewable Portfolio Standard ("RPS") Eligibility

New Jersey
New Jersey: **N/A**
Certification Number:
Eligibility End Date: **NA**

Maryland
Maryland: **N/A**
Certification Number:
Eligibility End Date: **NA**

District of Columbia
District of Columbia: **N/A**
Certification Number:
Eligibility End Date: **NA**

Pennsylvania
Pennsylvania: **N/A**
Certification Number:
Eligibility End Date: **NA**

Delaware
Delaware: **New Eligible**
Certification Number: **DE-00000-SUN-01**
Eligibility End Date: **NA**

RPS Eligibility

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Sample Certificate

Part 3 - Emissions

CEM Reporting: **No**
ORIS PL:
Emissions Unit ID(s):
Peer unit name and address (if not reporting actual generator emissions): **NA**

Normalized emission per MWh (pounds)
- Carbon dioxide: **0.00000**
- Nitrogen oxides: **0.00000**
- Sulfur dioxides: **0.00000**

EFEC Eligible: **No**
EFEC Certification Number: **NA**

Emissions Information

Part 4 - Vintage

Vintage (month and year of commercial operation): **04/2008**
Repowering/derate date: **NA**
Capacity addition/subtraction: **NA**
FERC hydroelectric license relicensing date: **NA**

Vintage Information

Part 5 - Asset identification

Asset identification:
Asset owner: **NA**
Status : **ACT**
Capacity : **0.005**

Asset Identification

Part 6 - Location of GATS Generator

Location of generating unit: **PJM Control Area**
County: **New Castle**
State: **DE**
NERC Region: **RFCE**

Location of GATS Generator

Part 7 - Green-e Energy Eligibility

Green-e Energy Eligible: **NA**
Green-e Energy Eligible Registration Number: **NA**

Green-E Eligibility

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Agenda

- Introduction of GATS
- Subscriber Registration Process
- Asset Management
- Managing and Using Your Account
  - Subaccount Descriptions
  - GATS Trading & Review
  - Creation of Certificates
  - Transfer of Certificates
  - Bulletin Board Functionality
- Reports
- GATS Support

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Transfer of Certificates

- GATS Account Holders can transfer certificates to other GATS Account Holders
- The Account Holder wishing to transfer certificates can select a recipient from a list of GATS Account Holders
- Both the sender and recipient of the certificates will receive confirmation of the transaction
- The recipient must “OK to transfer” the certificates to their account
- The transferring Account Holder may cancel the transaction anytime before the recipient confirms or “OKs to transfer”

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How do I Transfer Certificates?

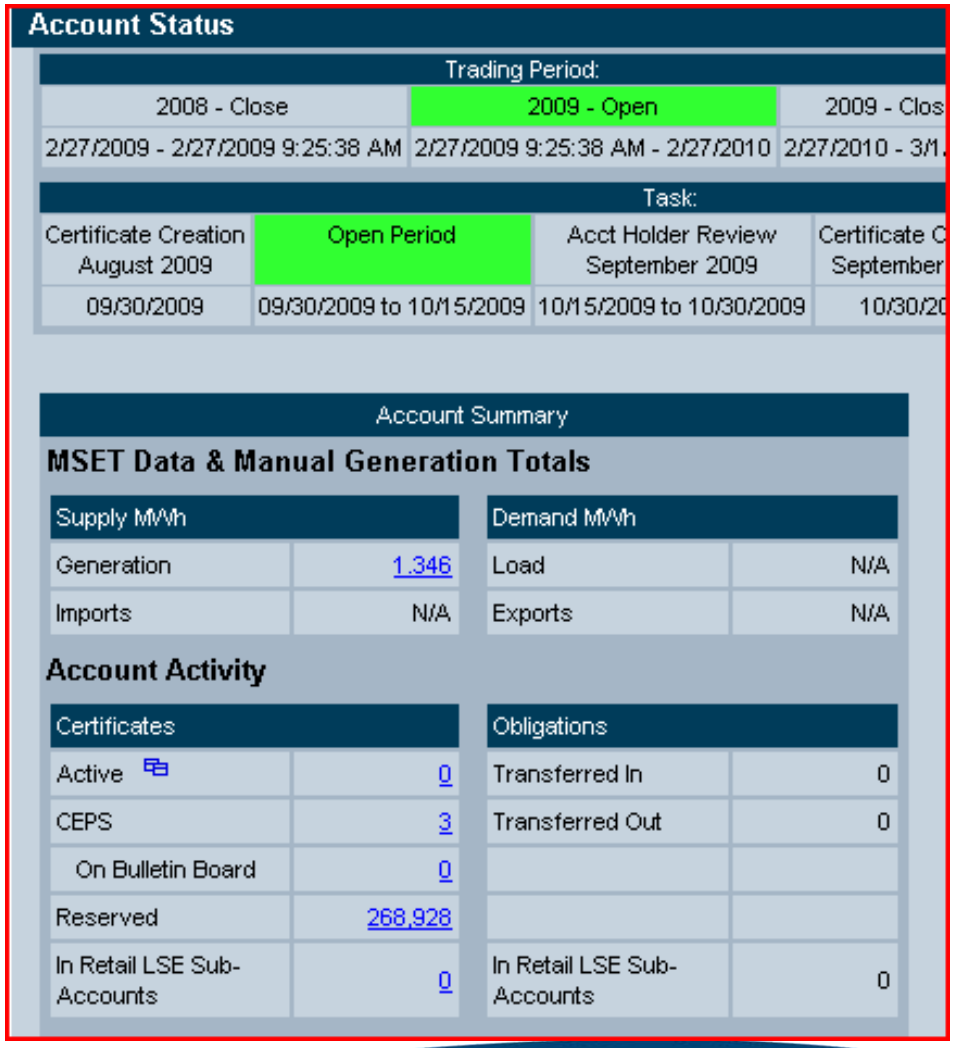
Go to the '**Account Status**' box. It is on the right hand side of the screen. In this box, the first box labeled '**Generation**' holds the pending generation that will be certified at the next Certificate Creation.

The second box labeled '**Certificates**' has the SRECs after they have been created.

Across from '**CEPS**' you will see a bright blue and underlined number.

Click on the bright blue and underlined 3 across from '**CEPS**' located in the Certificates box.

This opens up the **CEPS Certificates** screen.



Account Status

Trading Period:		
2008 - Close	2009 - Open	2009 - Clos
2/27/2009 - 2/27/2009 9:25:38 AM	2/27/2009 9:25:38 AM - 2/27/2010	2/27/2010 - 3/1

Task:			
Certificate Creation August 2009	Open Period	Acct Holder Review September 2009	Certificate C September
09/30/2009	09/30/2009 to 10/15/2009	10/15/2009 to 10/30/2009	10/30/20

Account Summary

MSET Data & Manual Generation Totals

Supply MWh		Demand MWh	
Generation	1,346	Load	N/A
Imports	N/A	Exports	N/A

Account Activity

Certificates		Obligations	
Active	0	Transferred In	0
CEPS	3	Transferred Out	0
On Bulletin Board	0		
Reserved	268,928		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	0

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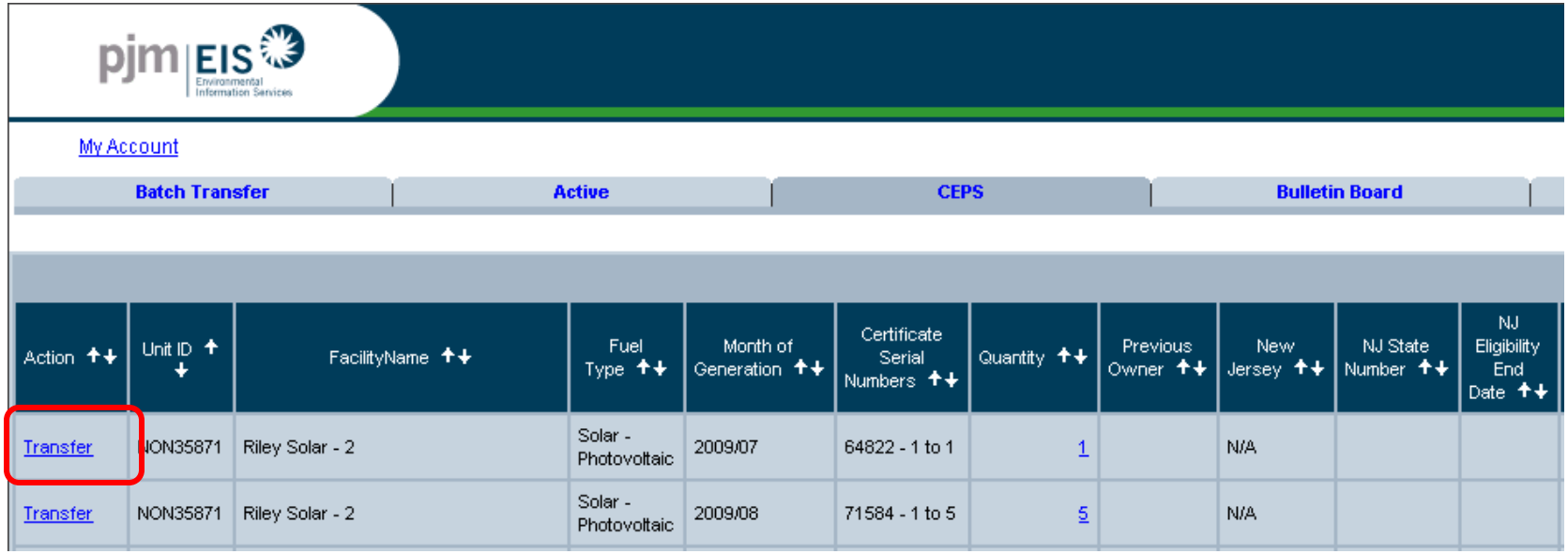
Transfer of Certificates



Action	Unit ID	FacilityName	Fuel Type	Month of Generation	Certificate Serial Numbers	Quantity	Previous Owner	New Jersey	NJ State Number	NJ Eligibility End Date
Transfer	NON35871	Riley Solar - 2	Solar - Photovoltaic	2009/07	64822 - 1 to 1	1		N/A		
Transfer	NON35871	Riley Solar - 2	Solar - Photovoltaic	2009/08	71584 - 1 to 5	5		N/A		

- Once the "CEPS" certificates link is selected from the My Account screen, a listing of those certificates will appear
  - Select "Transfer" next to the certificates to be transferred.

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Transfer of Certificates

Transfer Certificates	
Certificate Serial Numbers	41481 - 1 to 5
Quantity	5
Unit Name	34522
Fuel Type	Solar - Photovoltaic
Month of Generation	2008/05
New Jersey State Program	N/A
Maryland State Program	N/A
District of Columbia State Program	N/A
Pennsylvania State Program	N/A
Delaware State Program	New Eligible
Illinios State Program	N/A
Ohio State Program	N/A
Green-e Energy Eligible	No

A description/attributes of the certificates will be listed at the top

Transfer 5 certificates from CEPS to

Another Account Holder	Select an Account Holder Price Per Certificate
Active	
CEPS	
Bulletin Board	
Retail LSE Sub-Account	Select a Sub-Account RPS Yes No Period Price Per Certificate

- Type in the number of certificates to be transferred
- Select either a GATS Account Holder or another account you would like the certificates transferred to
- Enter the price per REC that was paid for all solar RECs
- If the certificates are being transferred to a Retail LSE Subaccount for RPS purposes, the RPS compliance year and price paid per certificate must be entered

NOTE: Depending on what account the certificates are coming from will determine which accounts they can be transferred to

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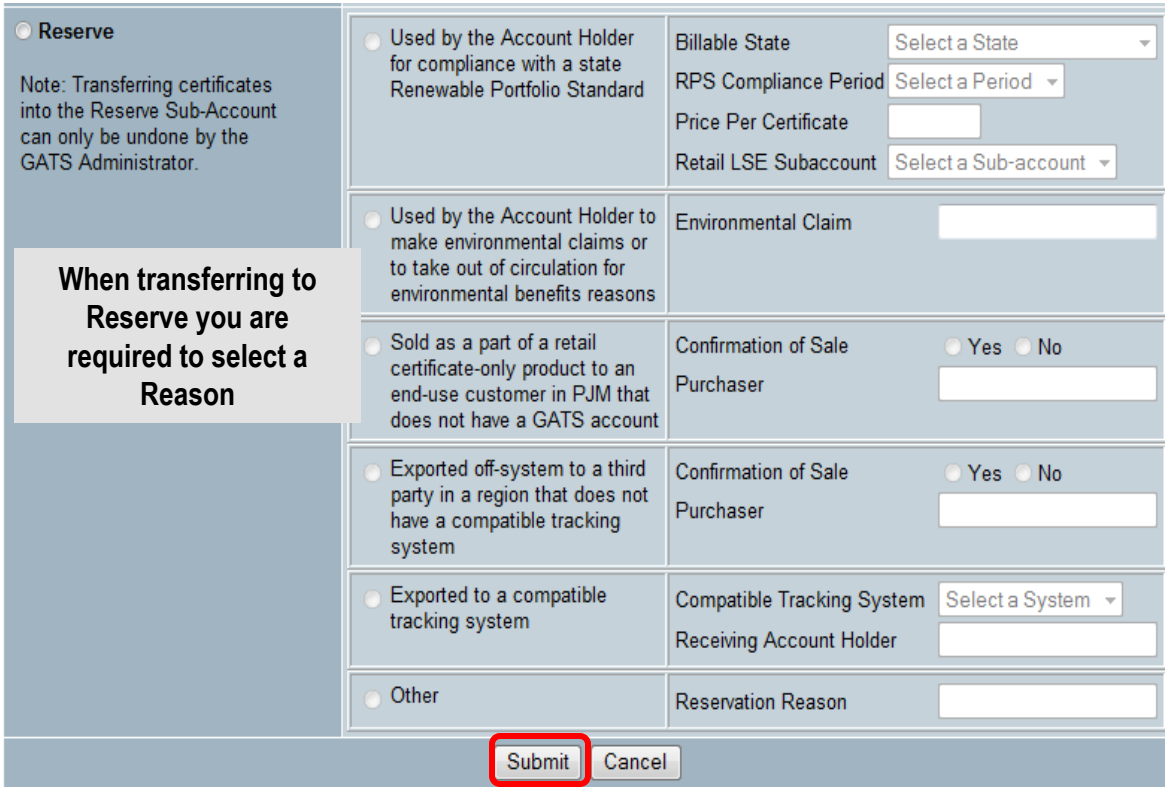
Transfer of Certificates



When transferring to Reserve you are required to select a Reason

Click Submit to complete the transfer

- ✓RPS Compliance
- ✓Environmental Claims ($0.25/REC charge is applied)
- ✓Voluntary Markets ($.008/REC charge is applied)
- ✓Exported Off System ($0.25/REC charge is applied)
- ✓Exported to Compatible Tracking System ($0.25/REC charge is applied)
- ✓Other ($0.25/REC charge is applied)

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INBOX & OUTBOX

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Inbox

Obligation

From	Quantity	Status	Confirm	Reject
Empty				

Certificate

Inbox Certificate Details

From	Quantity	Month/Year	Price per Certificate	Status	Confirm	Reject
Empty						

Standing Orders

From	Quantity %	Status	Confirm	Reject
Empty				

Outbox

Obligation

To	Quantity	Status	Withdraw
Empty			

Certificate

Outbox Certificate Details

To	Quantity	Month/Year	Price per Certificate	Status	Withdraw all
PJM-EIS Holding Account	1	7 /2010	$0.00	Pending	Withdraw
PJM-EIS Holding Account	1	3 /2010	$0.00	Pending	Withdraw
PJM-EIS Holding Account	1	2 /2010	$0.00	Pending	Withdraw

- Certificates will appear in either in the Inbox when transferring in or the Outbox when Transferring out
- Subscribers can either Confirm or withdraw the certificates from the Inbox and Outbox
- Both Parties will receive an email with the transfer details
- Counterparty must confirm the transfer before the certificates will be moved into their account

Outbox Certificate Details

Withdraw all	To	FacilityName	Fuel Type	Month of Generation	Certificate Serial Numbers	Quantity	Price per Certificate	New Jersey	NJ State Number	NJ Eligibility End Date	Maryland	MD State Number	MD Eligibility End Date	District of Columbia	DC State Number	DC Eligibility End Date	Pennsylvania
Withdraw	PJM-EIS Holding Account	43313Gen - 43313Unit	Solar - Photovoltaic	2010/07	126519 - 1 to 1	1	$0.00	N/A		01/2010	N/A			N/A			N/A
Withdraw	PJM-EIS Holding Account	43313Gen - 43313Unit	Solar - Photovoltaic	2010/03	123618 - 1 to 1	1	$0.00	N/A		01/2010	N/A			N/A			N/A
Withdraw	PJM-EIS Holding Account	43313Gen - 43313Unit	Solar - Photovoltaic	2010/02	123519 - 1 to 1	1	$0.00	N/A		01/2010	N/A			N/A			N/A
Withdraw	PJM-EIS Holding Account	43313Gen - 43313Unit	Solar - Photovoltaic	2010/04	123697 - 1 to 1	1	$0.00	N/A		01/2010	N/A			N/A			N/A
Withdraw	PJM-EIS Holding Account	43313Gen - 43313Unit	Solar - Photovoltaic	2010/05	124117 - 1 to 1	1	$0.00	N/A		01/2010	N/A			N/A			N/A
Withdraw	PJM-EIS Holding Account	43313Gen - 43313Unit	Solar - Photovoltaic	2010/06	124233 - 1 to 1	1	$0.00	N/A		01/2010	N/A			N/A			N/A

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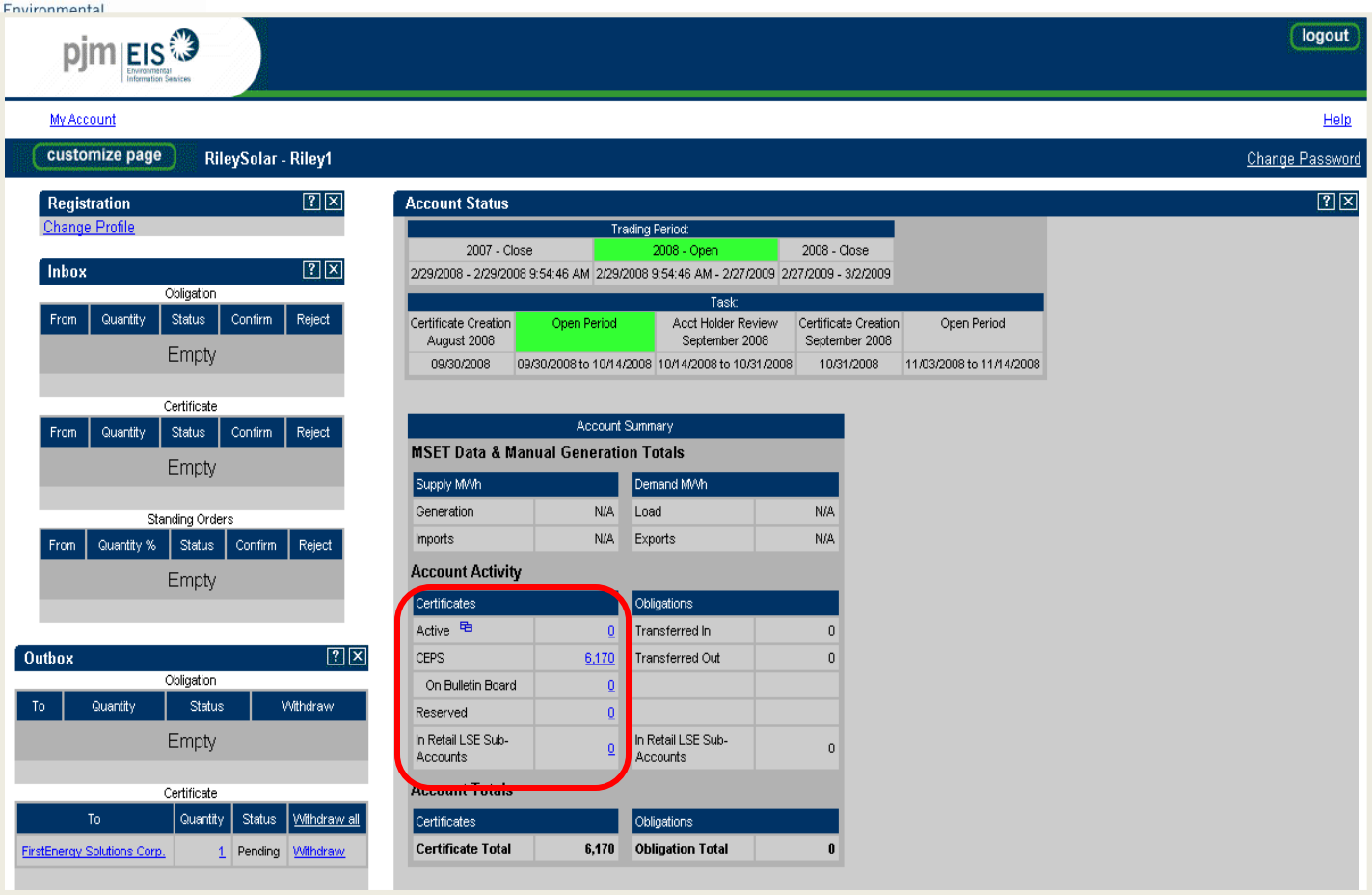
Transfer of Certificates - Confirmation



- Once the certificates are confirmed they will be placed in the Account where they were initiated from (if they came from the initiator's CEPS Account they will be deposited into the counterparty's CEPS Account)

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Batch Transfers

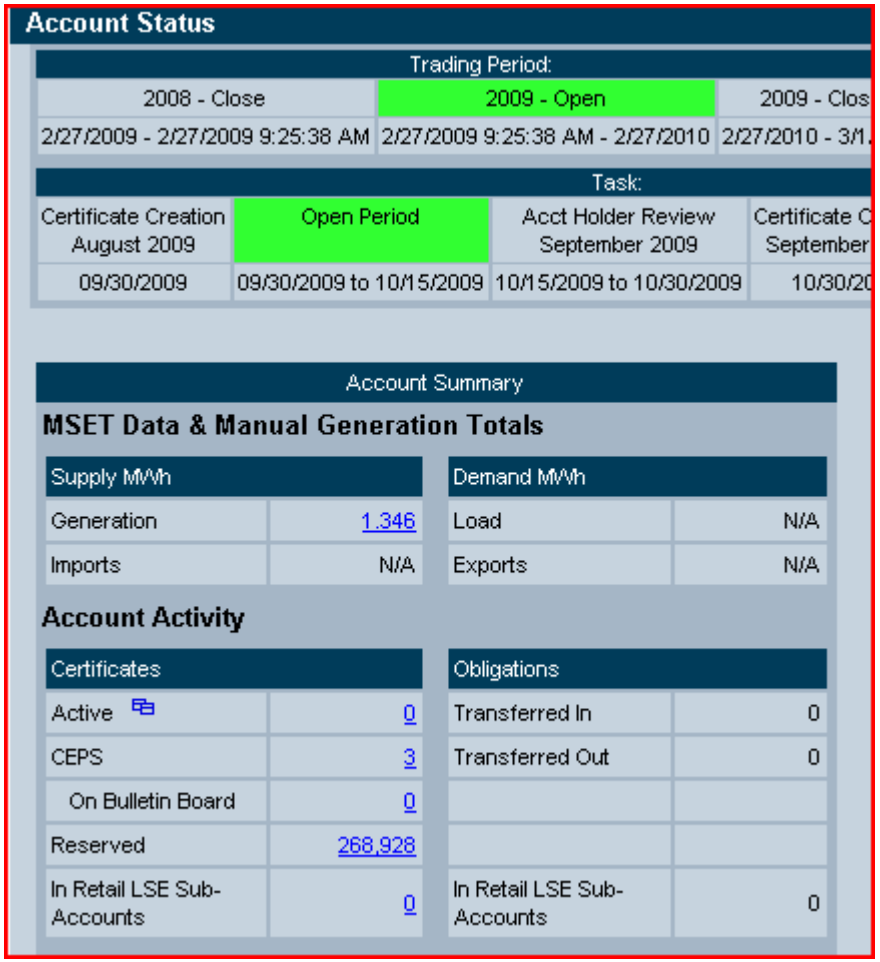
- Go to the '**Account Status**' box. It is on the right hand side of the screen. Within this box, the first box labeled '**Generation**' holds the pending generation that will be certified at the next Certificate Creation.

- The second box labeled '**Certificates**' has the SRECs after they have been created.

- Across from **'CEPS'** you will see a bright blue and underlined number.

- Click on the bright blue and underlined number across from '**CEPS**' located in the Certificates box.

- This opens up the CEPS certificates screen



Account Status

Trading Period:		
2008 - Close	2009 - Open	2009 - Clos
2/27/2009 - 2/27/2009 9:25:38 AM	2/27/2009 9:25:38 AM - 2/27/2010	2/27/2010 - 3/1

Task:			
Certificate Creation August 2009	Open Period	Acct Holder Review September 2009	Certificate C September
09/30/2009	09/30/2009 to 10/15/2009	10/15/2009 to 10/30/2009	10/30/20

Account Summary

MSET Data & Manual Generation Totals

Supply MWh		Demand MWh	
Generation	1,346	Load	N/A
Imports	N/A	Exports	N/A

Account Activity

Certificates		Obligations	
Active	0	Transferred In	0
CEPS	3	Transferred Out	0
On Bulletin Board	0		
Reserved	268,928		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	0

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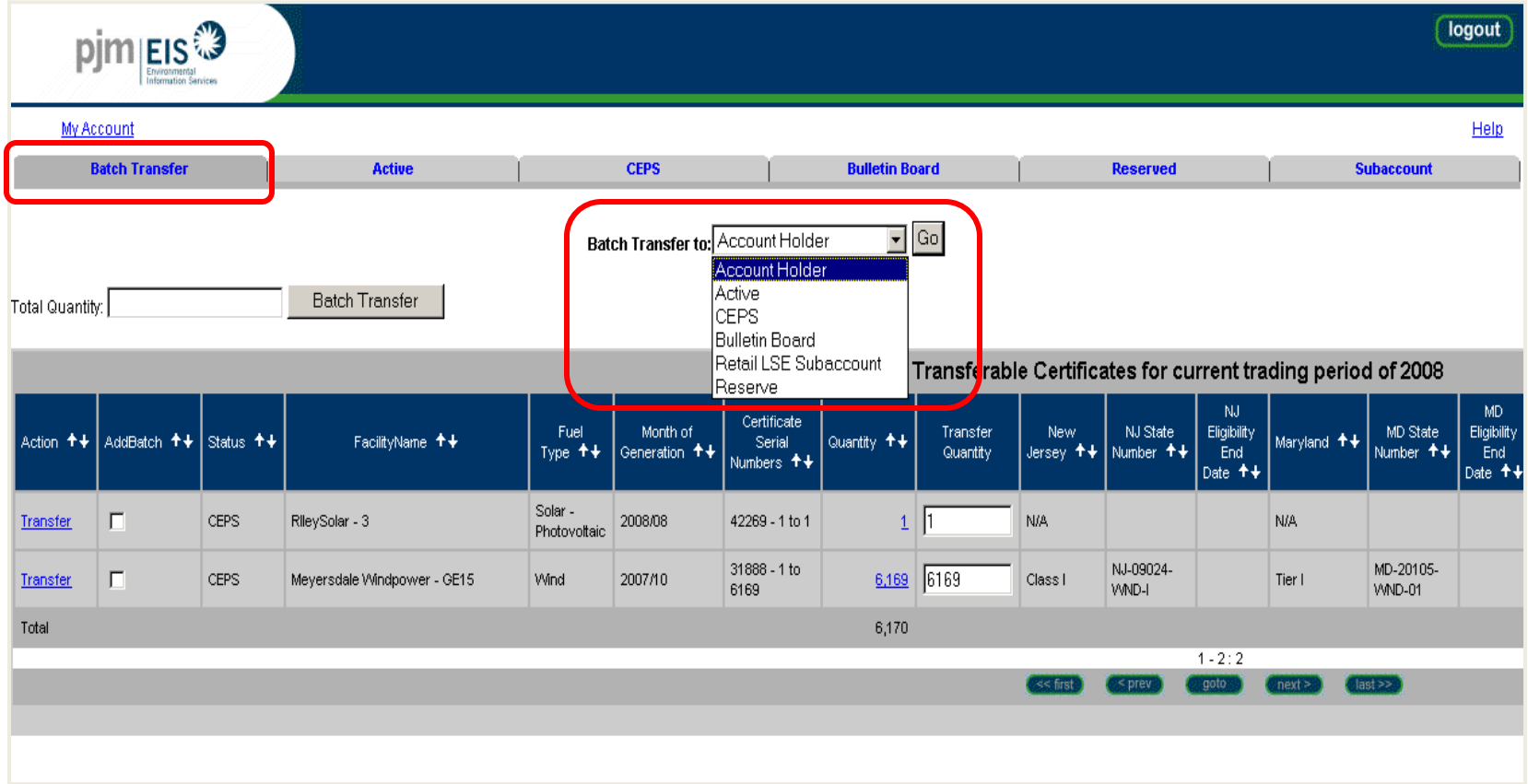
Batch Transfers



- Click on the "**Batch Transfer**" tab, it is bright blue and located at the top of the screen on the far left side.
  - Select where you would like to transfer the certificates from the drop-down menu options
    - Click "Go"

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Batch Transfers

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My Account | Help

Batch Transfer | Active | CEPS | Bulletin Board | Reserved | Subaccount

Batch Transfer to: Account Holder Go

Total Quantity: 6170 Batch Transfer

Transferable Certificates for current trading period of 2008

Action	AddBatch	Status	FacilityName	Fuel Type	Month of Generation	Certificate Serial Numbers	Quantity	Transfer Quantity	New Jersey	NJ State Number	NJ Eligibility End Date	Maryland	MD State Number	MD Eligibility End Date
Transfer	☑	CEPS	RileySolar - 3	Solar - Photovoltaic	2008/08	42269 - 1 to 1	1	1	N/A			N/A		
Transfer	☑	CEPS	Meyersdale Windpower - GE15	Wind	2007/10	31888 - 1 to 6169	6,169	6169	Class I	NJ-09024-WND-I		Tier I	MD-20105-WND-01	
Total							6,170							

1 - 2 : 2

<< first | < prev | goto | next > | last >>

- From the "**Add Batch**", column click check off the RECs that you want to transfer. You can also control the number of RECs that you want to transfer by changing "**Transfer Quantity**".
- When you are complete click on the "Batch Transfer"
- This opens up to the **Transfer Certificates** screen

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Batch Transfers

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My Account | Help

Transfer Certificates

Certificate Serial Numbers	Quantity	Transfer Quantity	Price per Certificate	Status	Facility Name	Fuel Type	Month of Generation	New Jersey	Maryland	District of Columbia	Pennsylvania	Delaware	Illinios	Ohio	Green-e Energy Eligible
41480 - 2 to 3	2	2		CEPS	34336 - 34336	Solar - Photovoltaic	2008/05	N/A	N/A	N/A	Solar Renewable	Eligible	N/A	N/A	No
39373 - 1 to 2	2	2		CEPS	34423 - 34423	Solar - Photovoltaic	2008/05	N/A	N/A	N/A	Solar Renewable	New Eligible	N/A	N/A	No
39374 - 1 to 2	2	2		CEPS	34424 - 34424	Solar - Photovoltaic	2008/05	N/A	N/A	N/A	Solar Renewable	New Eligible	N/A	N/A	No
39382 - 1 to 8	8	8		CEPS	34433 - 34433	Solar - Photovoltaic	2008/05	N/A	N/A	N/A	Solar Renewable	New Eligible	N/A	N/A	No
39383 - 1 to 1	1	1		CEPS	34434 - 34434	Solar - Photovoltaic	2008/05	N/A	N/A	N/A	Solar Renewable	New Eligible	N/A	N/A	No

Transfer 15 certificates from CEPS to

- Another Account Holder — Select an Account Holder
- Active
- CEPS
- Bulletin Board
- Retail LSE Sub-Account — RPS Yes No Period
- Reserve — Used by the Account Holder for compliance with a state Renewable Portfolio Standard; Billable State: Select a State; RPS Compliance Period

Note: Transferring

- Enter the price per certificate. It will default to number of SRECS you have selected to transfer.
- Select the type of person that you would like to transfer the SRECs to.

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Certificate Transfers

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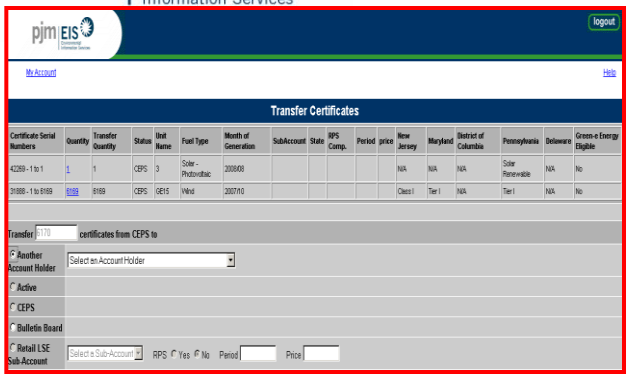
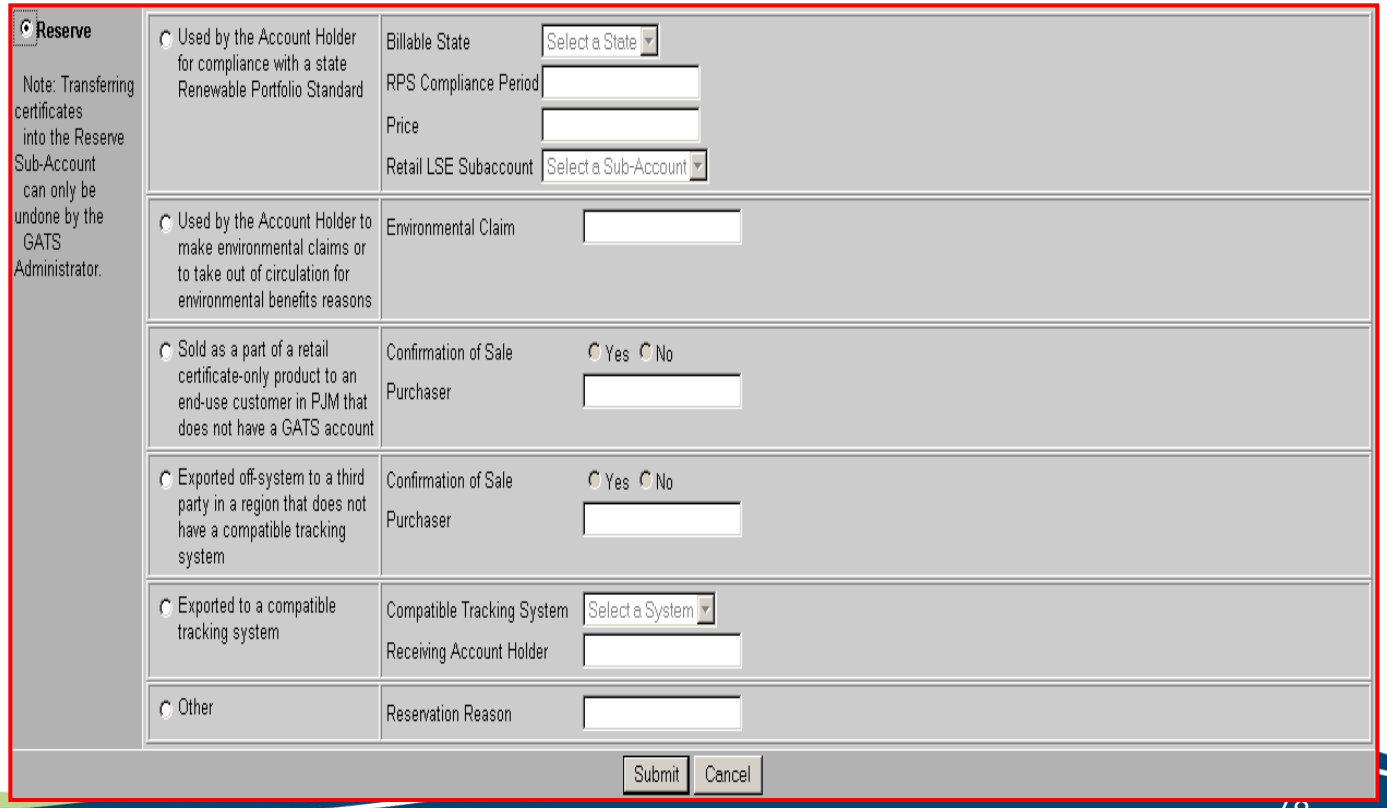


Certificates can also be transferred into a Reserve Subaccount

Select the appropriate option based on how the certificates will be used in the Reserve Subaccount

Select "Submit"



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Transfer History

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logout

My Account | Help

customize page | RileySolar - Riley1 | Change Password

Registration

Change Profile

Public Reports

GATS Account Holders
GATS Generators
PJM Residual Mix
Import System Mix
Bulletin Board
GATS Certificates Statistics — Monthly Annual
Reserved Certificate Transfers — Monthly Annual
PJM System Mix — Monthly Annual
PJM System Mix Quarterly
Renewable Generators Registered in GATS

Account Holder Reports

My Event Log
My Generation — Monthly
My Solar Generation — Monthly
My Load — Monthly
My Imports — Monthly
My Exports — Monthly
My Emission — Monthly
Total Emission by Generator — Monthly
My Certificates Only Import
My Certificates Disposition
My Retail LSE Sub-Accounts
My Obligations — Monthly Annual
My Standing Orders — Monthly
Transfer History
Default Emission
My RPS Compliance Report

Account Status

Trading Period:		
2007 - Close	2008 - Open	2008 - Close
2/29/2008 - 2/29/2008 9:54:46 AM	2/29/2008 9:54:46 AM - 2/27/2009	2/27/2009 - 3/2/2009

Task:				
Certificate Creation August 2008	Open Period	Acct Holder Review September 2008	Certificate Creation September 2008	Open Period
09/30/2008	09/30/2008 to 10/14/2008	10/14/2008 to 10/31/2008	10/31/2008	11/03/2008 to 11/14/2008

Account Summary

MSET Data & Manual Generation Totals

Supply MWh		Demand MWh	
Generation	N/A	Load	N/A
Imports	N/A	Exports	N/A

Account Activity

Certificates		Obligations	
Active	0	Transferred In	0
CEPS	2	Transferred Out	0
On Bulletin Board	0		
Reserved	0		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	0

Account Totals

Certificates		Obligations	
Certificate Total	**2**	**Obligation Total**	**0**

Retail LSE Sub-Accounts Summary

Retail LSE Sub-Accounts Name	State	Zone	Default	Certificates	Obligations
No Subaccounts Created					

Create New Retail LSE Sub-Accounts
View Retail LSE Sub-Accounts

You can view your Transfer History by clicking on the Transfer History link that is listed under the Account Holder Reports Module

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Transfer History

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logout

My Account | Help

Certificate Transfer History | Certificate Movement | Obligation Transfer History | Obligation Movement

Certificate Transfer History

Year	Month	Unit ID	FacilityName	Fuel Type	Login Name	Quantity	Date of Transfer	Transferor	Transferee	Action	Transaction ID
2008	8	NON34524	RileySolar - 2	SUN	Riley1	1	9/30/2008 1:30:38 PM	RileySolar	FirstEnergy Solutions Corp.	Transfer	13853

Month and Year of generation for the certificates that have been transferred

Quantity

Date of Transfer

Transferor and Transferee

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Agenda

- Introduction of GATS
- Subscriber Registration Process
  - New Account Registration
  - My Account Screen Characteristics
- Asset Management
- Managing and Using Your Account
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  - Creation of Certificates
  - Transfer of Certificates
  - Bulletin Board Functionality
- Reports
- GATS Support

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Bulletin Board

- A Bulletin Board is available to all GATS Subscribers
- The Bulletin Board may be used to post CEPS certificates for purchase
- Requests to purchase can also be posted to the Bulletin Board
- Contact information of sellers will be available for Account Holders who are interested in making a purchase
- Certificate attributes may also be viewed for listings on the Bulletin Board

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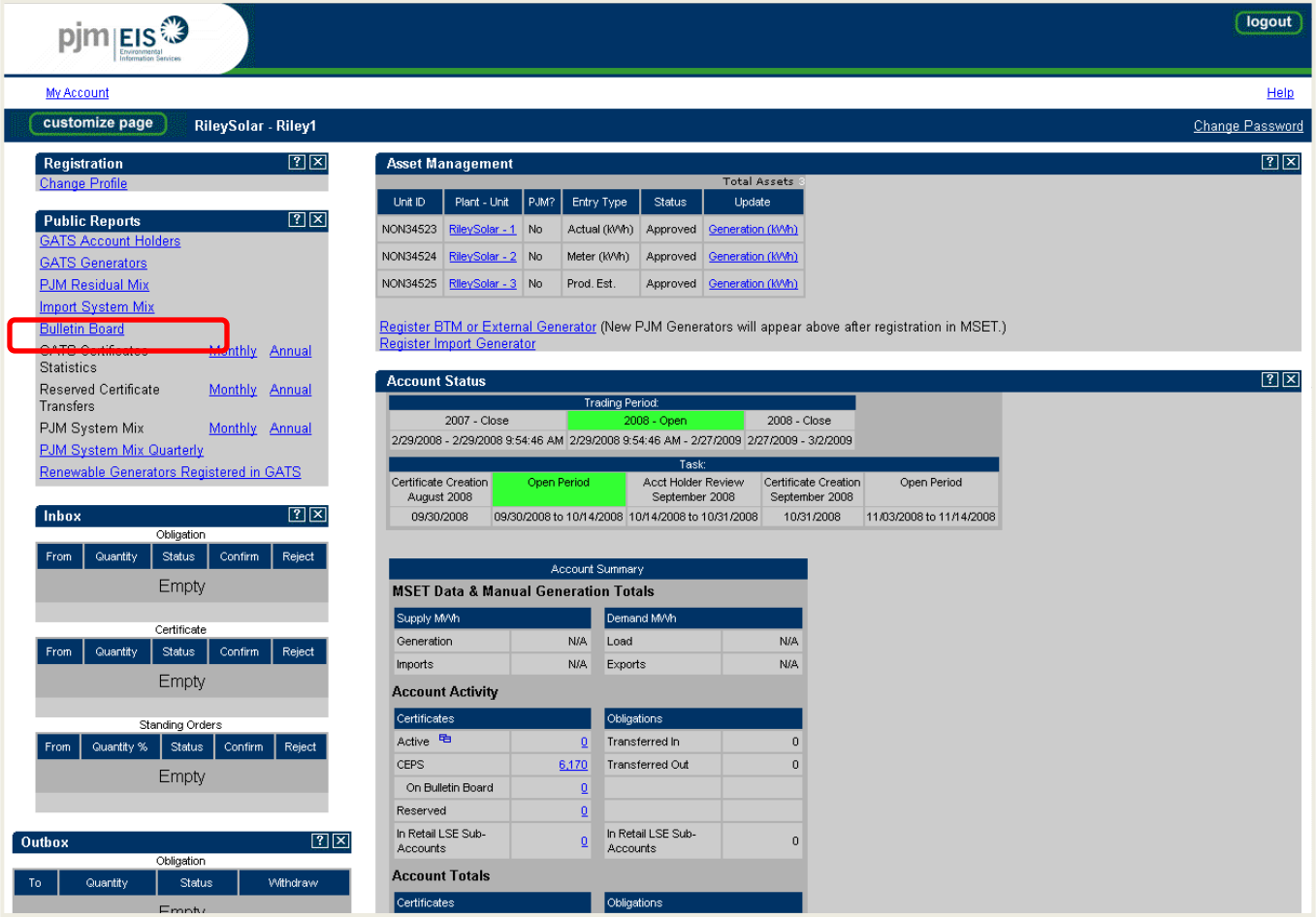
Bulletin Board

GATS Account Holders can access the Bulletin Board from the "Public Reports" Section of the My Account Screen



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How do I post certificates for sale on the GATS Bulletin Board?

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My Account

customize page WOWSG - geistj

Account Information

Company Name:	WOWSG
Account Administrator Email:	BobSmith@hotmail.net
Account Administrator Phone:	555-555-55555

Account Management

Login Management
Create a State Agency Account

Registration

Change Profile

Account Holder Reports

My Event Log

My Generation	Monthly	
My Solar Generation	Monthly	
My Annual Solar Generation		Annual
My Load	Monthly	
My Imports	Monthly	
My Exports	Monthly	
My Emission	Monthly	
Total Emission by Generator	Monthly	

Account Status

Trading Period:		
2008 - Close	2009 - Open	2009 - Close
2/27/2009 - 2/27/2009 9:25:38 AM	2/27/2009 9:25:38 AM - 2/27/2010	2/27/2010 - 2/27/2010

Task:				
Open Period	Acct Holder Review January 2010	Certificate Creation January 2010	Open Period	Acct Holder Review February 2010
01/29/2010 to 02/15/2010	02/15/2010 to 2/25/2010	02/26/2010	02/27/2010 to 03/15/2010	03/15/2010 to 3/30/2010

Account Summary

MSET Data & Manual Generation Totals

Supply MWh - (1/2010)		Demand MWh - (1/2010)	
Generation	1,344,062,000	Load	131,469
Imports	239,422	Exports	N/A

Account Activity

Certificates		Obligations	
Active	0	Transferred In	0
CEPS	3,093,598	Transferred Out	0
On Bulletin Board	2,210		
Bulletin Board Purchases			
Reserved	369,802		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	5,118,791

Select the certificates from your CEPS account
(certificates can only be posted to the Bulletin Board from CEPS)

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Bulletin Board

Using the "Transfer Certificates" option, select "Bulletin Board" indicating where you would like the certificates to go

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logout

My Account

Help

Transfer Certificates

Certificate Serial Numbers	31888 - 1 to 6169
Quantity	6169
Unit Name	GE15
Fuel Type	Wind
Month of Generation	2007/10
New Jersey State Program	Class I
Maryland State Program	Tier I
District of Columbia State Program	N/A
Pennsylvania State Program	Tier I
Delaware State Program	N/A
Green-e Energy Eligible	No

Transfer 6169 **certificates from CEPS to**

- ○ **Another Account Holder** — Select an Account Holder
- ○ **Active**
- ○ **CEPS**
- ◉ **Bulletin Board**
- ○ **Retail LSE Sub-Account** — Select a Sub-Account; RPS ○ Yes ◉ No; Period; Price
- ○ **Reserve**

Note: Transferring certificates into the Reserve Sub-Account can only be undone by the GATS Administrator.

- ○ Used by the Account Holder for compliance with a state Renewable Portfolio Standard — Billable State: Select a State; RPS Compliance Period; Price; Retail LSE Subaccount: Select a Sub-Account
- ○ Used by the Account Holder to make environmental claims or to take out of circulation for environmental benefits reasons — Environmental Claim
- ○ Sold as a part of a retail certificate-only product to an end-use customer in PJM that does not have a GATS account — Confirmation of Sale ○ Yes ○ No; Purchaser

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Bulletin Board

My Account

customize page WOWSG - geistj

Account Information

Company Name:	WOWSG
Account Administrator Email:	BobSmith@hotmail.net
Account Administrator Phone:	555-555-55555

Account Management

Login Management
Create a State Agency Account

Registration

Change Profile

Account Holder Reports

My Event Log

My Generation	Monthly
My Solar Generation	Monthly
My Annual Solar Generation	Annual
My Load	Monthly
My Imports	Monthly
My Exports	Monthly
My Emission	Monthly
Total Emission by Generator	Monthly

Account Status

Trading Period:		
2008 - Close	2009 - Open	2009 - Close
2/27/2009 - 2/27/2009 9:25:38 AM	2/27/2009 9:25:38 AM - 2/27/2010	2/27/2010 - 2/27/2010

Task:				
Open Period	Acct Holder Review January 2010	Certificate Creation January 2010	Open Period	Acct Holder Review February 2010
01/29/2010 to 02/15/2010	02/15/2010 to 2/25/2010	02/26/2010	02/27/2010 to 03/15/2010	03/15/2010 to 3/30/2010

Account Summary

MSET Data & Manual Generation Totals

Supply MWh - (1/2010)		Demand MWh - (1/2010)	
Generation	1,344,062,000	Load	131,469
Imports	239,422	Exports	N/A

Account Activity

Certificates		Obligations	
Active	0	Transferred In	0
CEPS	3,093,598	Transferred Out	0
On Bulletin Board	2,210		
Bulletin Board Purchases			
Reserved	369,802		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	5,118,791

The certificates will then be listed “On Bulletin Board” under your Account Activity. All GATS Account Holders will be able to view your certificates for sale on the GATS Bulletin Board

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Bulletin Board

Batch Transfer | Active | CEPS | Bulletin Board

Bulletin Board Certificates for current tra

Action	FacilityName	Fuel Type	Month of Generation	Certificate Serial Numbers	Quantity	Current Price	Updatable Price	New Jersey	NJ State Number	NJ Eligibility End Date	Maryland	MD State Number	MD Eligibility End Date	District of Columbia	DC State Number	DC Eligibility End Date
Transfer	Plant - 5-5	Pumped Storage	2008/09	43989 - 1 to 42660	42,660	$340.00		N/A			N/A			N/A		
Total					42,660											

1 - 1 : 1

<< first | < prev | goto

After certificates have been listed on the Bulletin Board, an Account Holder may Update the Price via the 'On Bulletin Board' link

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Bulletin Board Purchases

Account Summary

MSET Data & Manual Generation Totals

Supply MWh - (1/2010)		Demand MWh - (1/2
Generation	1,344,062.000	Load
Imports	239,422	Exports

Account Activity

Certificates		Obligations
Active	0	Transferred In
CEPS	3,093,598	Transferred Out
On Bulletin Board	2,210	
Bulletin Board Purchases		
Reserved	369,802	
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts

To post purchase requests for RECs, click on 'Bulletin Board Purchases' link in Account Summary

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Bulletin Board Purchases

New Purchase Requests | Edit Purchase Requests

New Purchase Requests

#	Quantity	Price	State/Program	Comments
1	10	500	MD Solar	I'd like to purchase 10 MD Solar RECs. Thanks!
2				
3				
4				
5				
6				
7				
8				
9				
10				

Submit Cancel

Edit your REC purchase request by clicking on 'Edit Purchase Requests'

Enter your REC purchase request and click Submit; up to 10 requests may be submitted at a time

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Bulletin Board Purchases

New Purchase Requests | Edit Purchase Requests

Edit Purchase Requests

Withdraw	Purchase Request ID	Quantity	Update Quantity	Price	Update Price	State/Program	Update State/Program	Comments	Expiration Date
☐	1	10	20	$500.00	400	MD Solar		Id like to purchase 10 MD Solar RECs. Thanks!	08/15/2010

1 - 1 : 1

<< first | < prev | goto | next > | last >>

Submit | Cancel

Change any of your purchase request data. You can also Withdraw the purchase request using the Withdraw button. Click 'Submit' to save changes

Bulletin Board RECs | Bulletin Board Purchase Requests

Bulletin Board Purchase Requests

Requestor	Contact	Phone	Email	Quantity	Price	State/Program	Comments	Purchase Request Date
WOWSG	Bob Smith	555-555-55555	BobSmith@hotmail.net	20	$400.00	MD Solar	Id like to purchase 10 MD Solar RECs. Thanks!	02/16/2010

1 - 1 : 1

<< first | < prev | goto | next > | last >>

NOR PJM EIS NOR THE SYSTEM OPERATOR NOR THE PJM EIS GATS PROJECT MANAGER KNOWS OR ENDORSES THE CREDITWORTHINESS OR REPUTATION OF ANY GATS ACCOUNT HOLDE

The purchase request now displays on the Bulletin Board

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Bulletin Board

Owner	Contact	Phone	Email	Fuel Type	Quantity	Requested Price	New Jersey	NJ State Number	NJ Eligibility End Date	Maryland	MD State Number	MD Eligibility End Date	District of Columbia	DC State Number	D Eligi Er Date
Hackensack Energy	Graham Agnew	905-465-4519	graham.agnew@algonquinpower.com	Captured Methane - Landfill Gas	7		Class I	NJ-07009-LFG-I		N/A			N/A		
Hackensack Energy	Graham Agnew	905-465-4519	graham.agnew@algonquinpower.com	Captured Methane - Landfill Gas	65		Class I	NJ-07010-LFG-I		N/A			N/A		
Hackensack Energy	Graham Agnew	905-465-4519	graham.agnew@algonquinpower.com	Captured Methane - Landfill Gas	65		Class I	NJ-07010-LFG-I		N/A			N/A		
Hackensack Energy	Graham Agnew	905-465-4519	graham.agnew@algonquinpower.com	Captured Methane - Landfill Gas	7		Class I	NJ-07009-LFG-I		N/A			N/A		
Moore Energy	Barry Alan Moore	215-917-7598	bam@mooreenergy.net	Solar - Photovoltaic	1		N/A			N/A			N/A		
Neuwing Energy	Chad Gottesman	646-943-2749	info@neuwingenergy.com	Pumped Storage	159,000		N/A			N/A			N/A		
Neuwing Energy	Chad Gottesman	646-943-2749	info@neuwingenergy.com	Pumped Storage	159,000	$.25	N/A			N/A			N/A		
Smith household	Robert Smith	302-645-6080	slowerlowerbob@verizon.net	Solar - Photovoltaic	2		N/A			N/A			N/A		
Smith household	Robert Smith	302-645-6080	slowerlowerbob@verizon.net	Solar - Photovoltaic	1	$240.00	N/A			N/A			N/A		
SolarGlenn	Glenn Malysz	732-617-1338	malyszg@coned.com	Solar - Photovoltaic	1	$700.00	Solar Renewable	NJ-070189-SUN-I		N/A			N/A		
SolarGlenn	Glenn Malysz	732-617-1338	malyszg@coned.com	Solar - Photovoltaic	3	$700.00	Solar Renewable	NJ-070189-SUN-I		N/A			N/A		
Southeastern Public Service Authority (SPSA)	John Hansen	757-484-6287	hansenaj@verizon.net	Solid Waste - Municipal Solid Waste	6,531		N/A			Tier II	MD-80102-MSW-02		N/A		

Interested parties can contact the Account Holder directly

Information on the attributes of the certificates can be viewed by selecting the "Quantity of certificates"

Requested Price can be viewed when provided

State Program Eligibility can also be viewed

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Agenda

- Introduction of GATS
- Subscriber Registration Process
  - New Account Registration
  - My Account Screen Characteristics
- Asset Management
- Managing and Using Your Account
  - Subaccount Descriptions
  - GATS Trading & Review
  - Creation of Certificates
  - Transfer of Certificates
  - Bulletin Board Functionality
  - Password Reset
- Reports
- GATS Support

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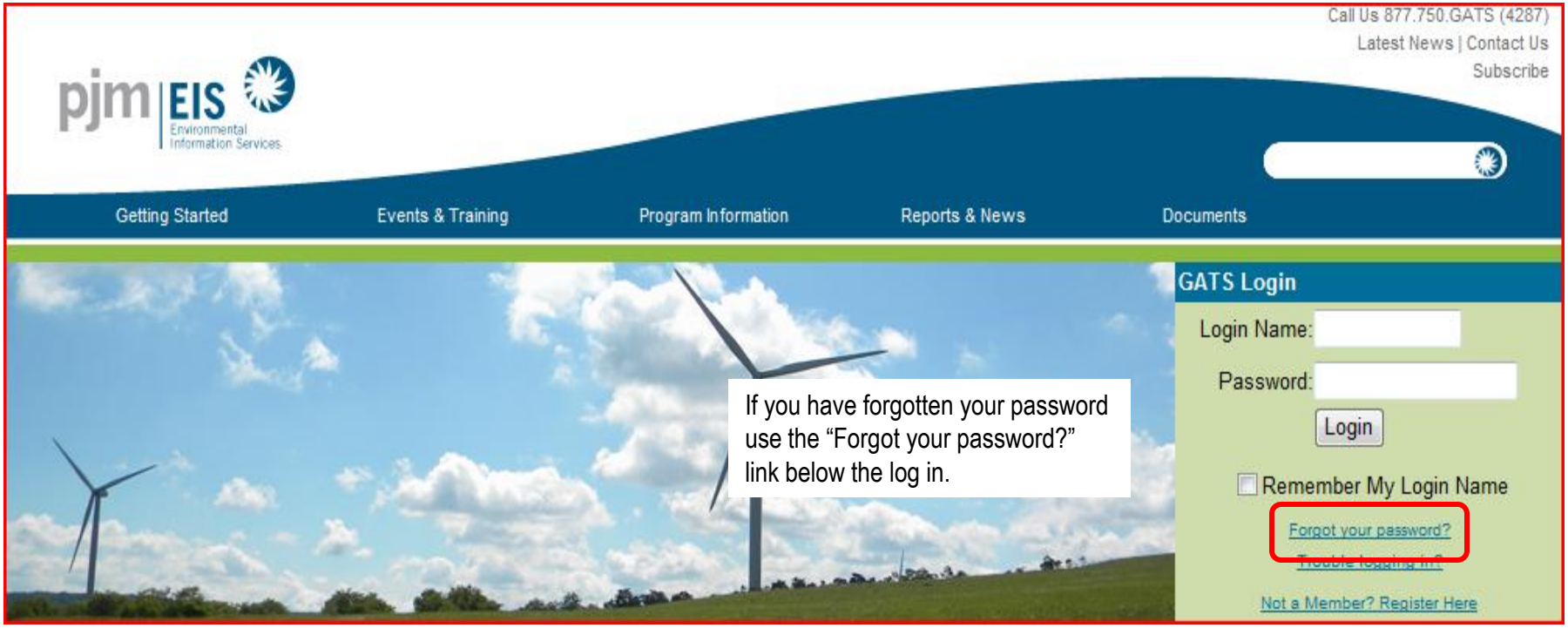
Password Reset



If you have forgotten your password use the "Forgot your password?" link below the log in.

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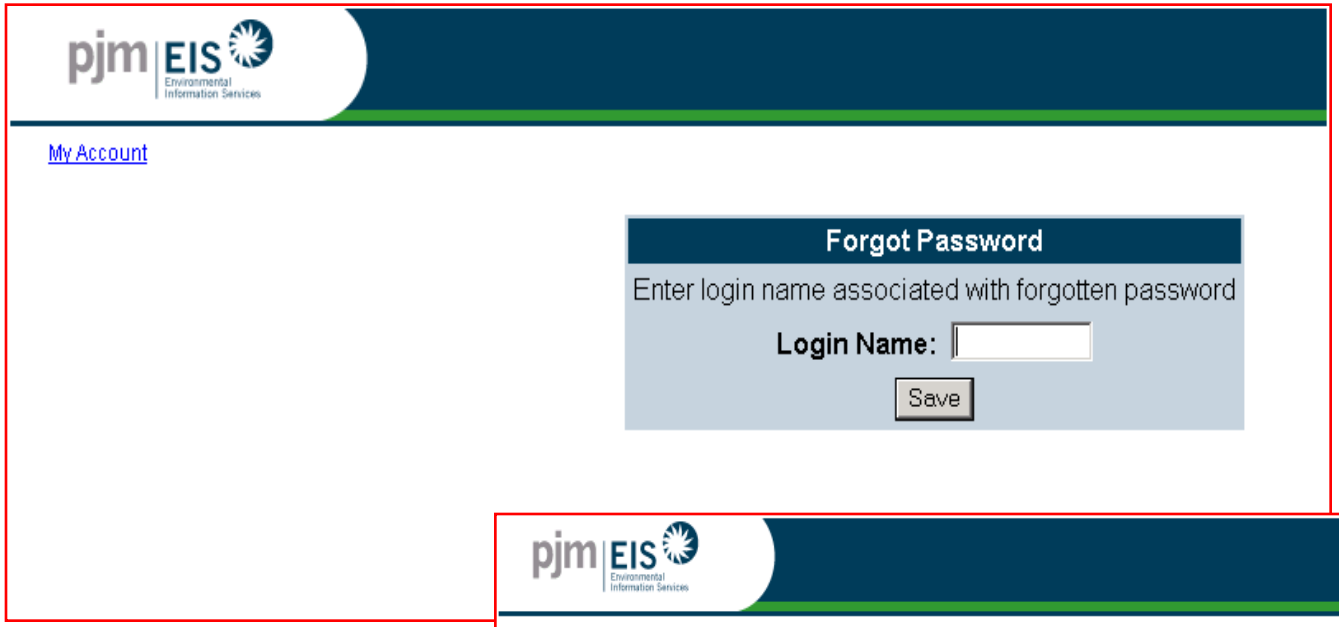
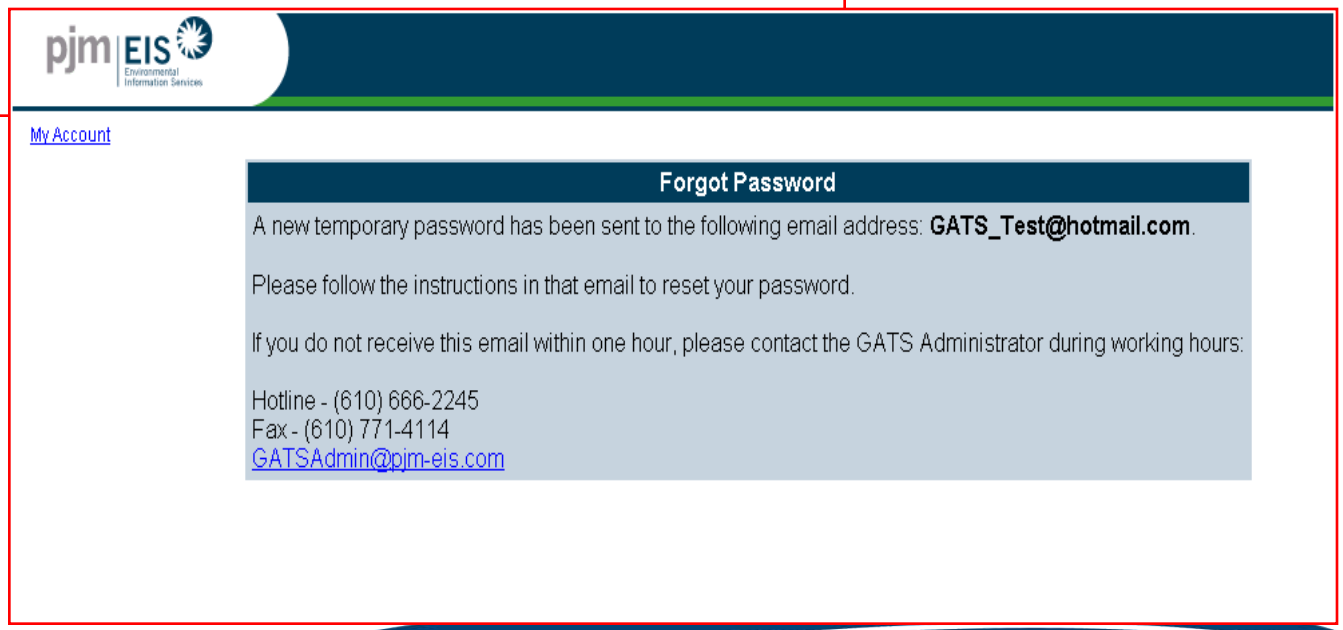
Password Reset





Enter your login name and click save.

You will receive a notice that the password has been sent to your email account.

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Password Reminder Email

From: GatsAdmin@pjm-eis.com
To: GATS_Test@hotmail.com
Subject: PJM-EIS GATS - Reset your GATS Password
Date: Fri, 1 Jan 2010 09:00:45 -0500

Your request to reset your GATS password has been received. To confirm your request and reset your password, click or copy the web address below.

This will take you to the GATS password reset page. There you will enter your new temporary password, 43C9D28E, as your current password.

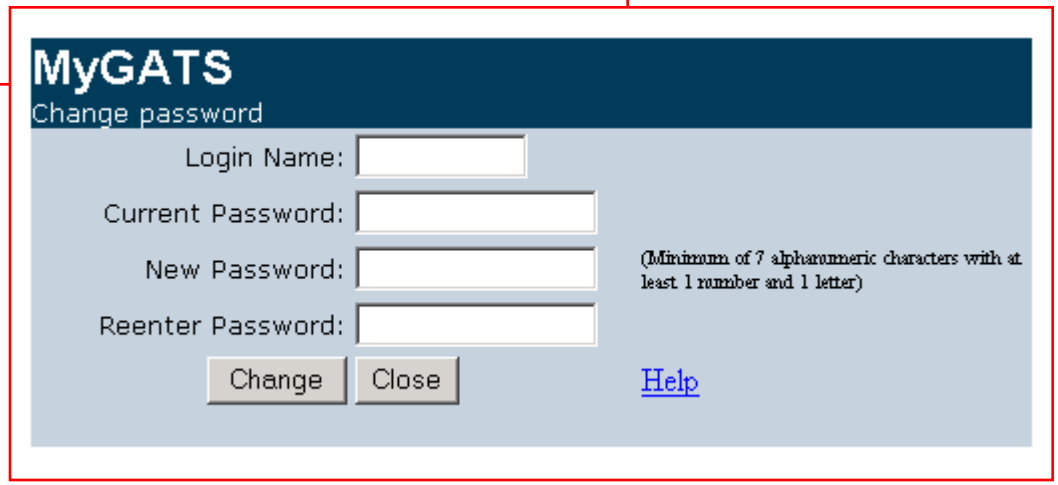
http://pjm-eis.com/mymodule/pwd/fchange.asp

If you didn't request that your password be reset or have problems entering a new password, please contact the GATS Administrator.

Hotline - (610) 666-2245
Fax - (610) 771-4114
GATSAdmin@pjm-eis.com

The email will be sent to the email address you provided when you registered your account with GATS.

Click on the bright blue underlined link.



This will open up to the change password screen. You will need to provide your login in name.

The current password is the temporary password in the email above.

Then you choose a new password and enter it twice. Click change to approve the new password.

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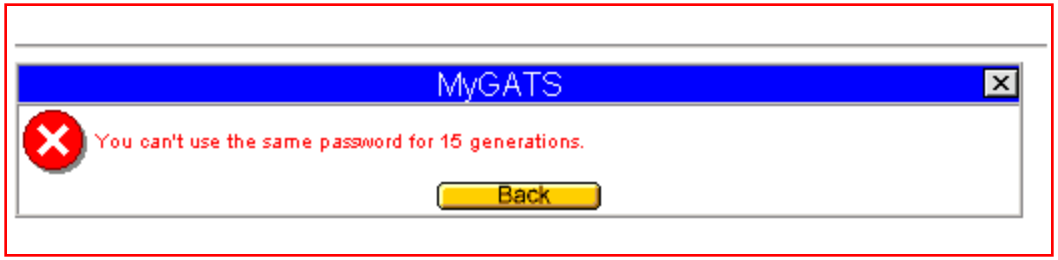
Password Reset

There are three rules to creating the password.

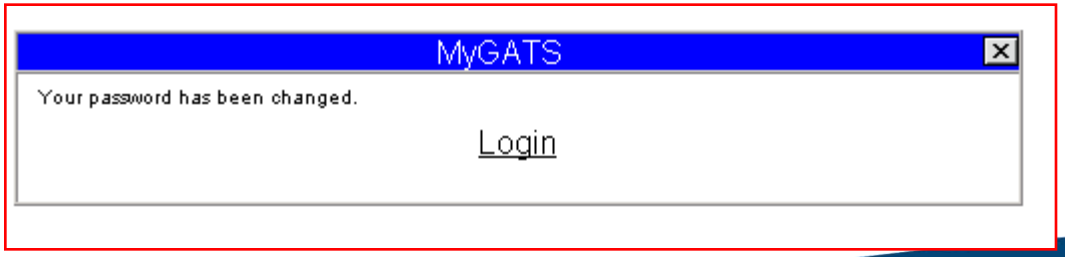
You cannot use the same password over again. The system will prevent you from reusing a password for 15 changes. If you receive this message you need to choose a different password.

The password you must be at least 7 characters long and include at least 1 letter and 1 number. You will receive these messages if it is not correct.



If you are successful in changing your password you will receive the a message.

Click login this will bring you back to the main login screen where you will enter your login id and new password to gain access to the system.



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Agenda

- Introduction of GATS
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- Asset Management
- Managing and Using Your Account
- Reports
- GATS Support

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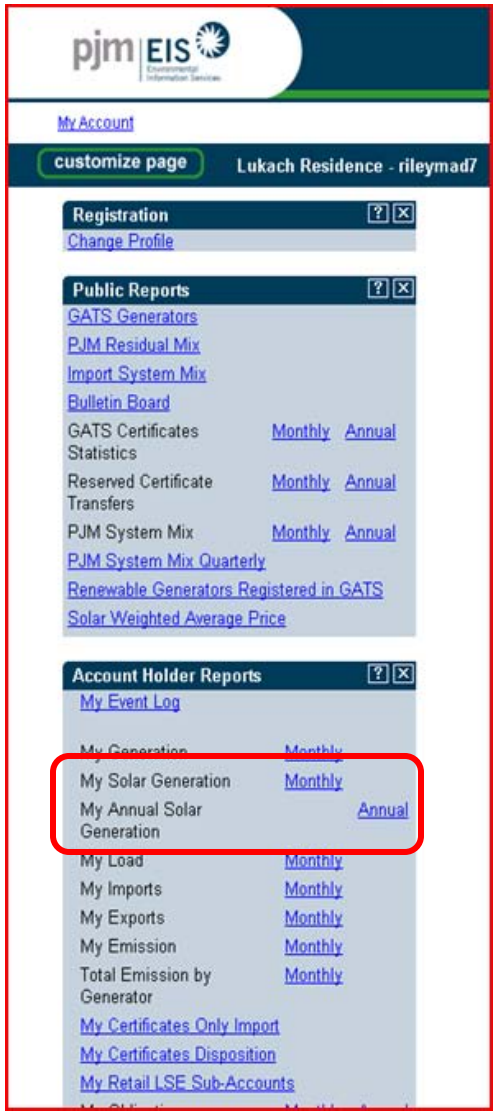
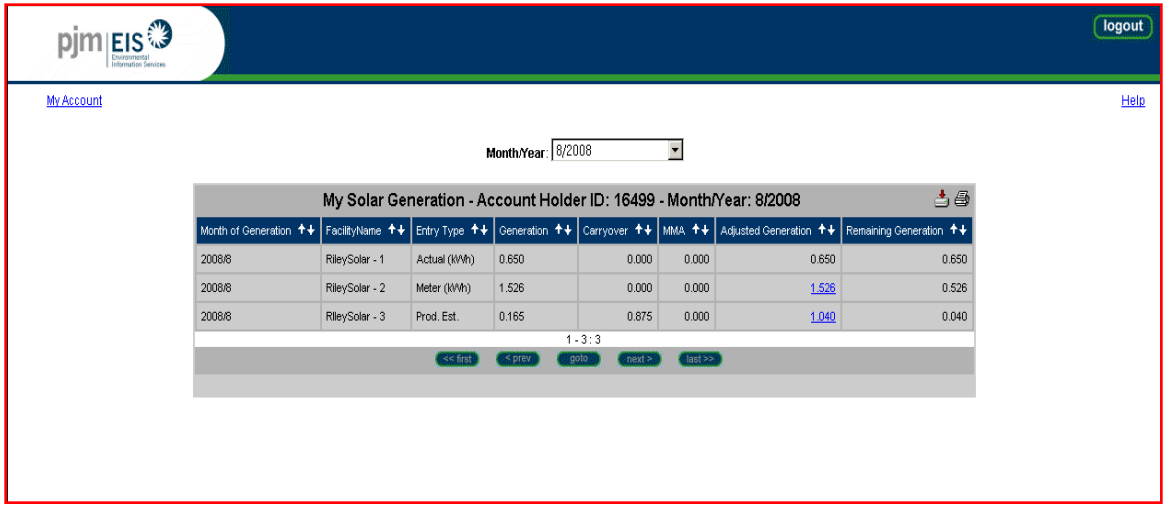
My Solar Generation Report



To view the Generation for your Solar Systems view the My Solar Generation Report

The My Solar Generation Report can be viewed Monthly or Annually



Month of Generation	FacilityName	Entry Type	Generation	Carryover	MMA	Adjusted Generation	Remaining Generation
2008/8	RileySolar - 1	Actual (kWh)	0.650	0.000	0.000	0.650	0.650
2008/8	RileySolar - 2	Meter (kWh)	1.526	0.000	0.000	1.526	0.526
2008/8	RileySolar - 3	Prod. Est.	0.165	0.875	0.000	1.040	0.040

Generation: kWh generated during the month you are looking at
Carryover: kWh generation that was carried over from the previous month
MMA: Monthly Meter Adjustment
Adjusted Generation: Generation + Carryover + MMA
Remaining Generation: Adjusted Generation – REC Creation

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My Solar Generation Report

Year: 2008

My Annual Solar Generation - Account Holder ID: 16477 - Year: 2008

Unit ID	Facility	Fuel Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NON34515	34515-34515	Solar - Photovoltaic	117	128	198	202	218	219	211	195	178	0	0	0
NON34532	34532-34532	Solar - Photovoltaic	0	0	0	0	0	0	853	783	701	0	0	0
NON34533	34533-34533	Solar - Photovoltaic	0	0	0	0	303	301	290	287	268	0	0	0
NON34534	34534-34534	Solar - Photovoltaic	0	0	0	0	0	0	581	528	475	0	0	0
NON34535	34535-34535	Solar - Photovoltaic	0	0	385	379	403	397	391	362	345	0	0	0
NON34536	34536-34536	Solar - Photovoltaic	205	220	313	311	315	319	305	303	284	0	0	0
NON34537	34537-34537	Solar - Photovoltaic	0	0	0	0	0	0	332	314	274	0	0	0
NON34538	34538-34538	Solar - Photovoltaic	0	0	642	630	676	662	661	609	576	0	0	0
NON34543	34543-34543	Solar - Photovoltaic	200	217	342	356	393	392	392	351	314	0	0	0
NON34550	34550-34550	Solar - Photovoltaic	0	0	0	0	0	0	394	391	367	0	0	0
NON34554	34554-34554	Solar - Photovoltaic	365	409	627	653	697	705	684	641	568	0	0	0
NON34556	34556-34556	Solar - Photovoltaic	0	0	0	400	407	402	393	377	368	0	0	0
NON34577	34577-34577	Solar - Photovoltaic	89	102	162	173	189	193	187	170	149	0	0	0
NON34579	34579-34579	Solar - Photovoltaic	0	0	0	0	0	0	0	500	453	0	0	0
NON34582	34582-34582	Solar - Photovoltaic	223	230	320	307	308	303	299	296	283	0	0	0
NON34583	34583-34583	Solar - Photovoltaic	473	497	743	748	807	835	785	733	662	0	0	0
NON34584	34584-34584	Solar - Photovoltaic	0	0	0	1131	1240	1267	1219	1120	971	0	0	0
NON34586	34586-34586	Solar - Photovoltaic	196	219	324	335	365	365	351	323	296	0	0	0
NON34624	34624-34624	Solar - Photovoltaic	0	0	0	0	0	0	655	639	586	0	0	0
NON34625	34625-34625	Solar - Photovoltaic	0	246	391	400	441	436	433	394	355	0	0	0
NON34628	34628-34628	Solar - Photovoltaic	347	371	544	540	549	554	535	528	486	0	0	0
NON34631	34631-34631	Solar - Photovoltaic	0	0	0	0	0	0	666	613	557	0	0	0

The My Annual Solar Generation Report will display the kWh by month for the systems that are registered in your account

This report will only show generation up until the latest certificate creation

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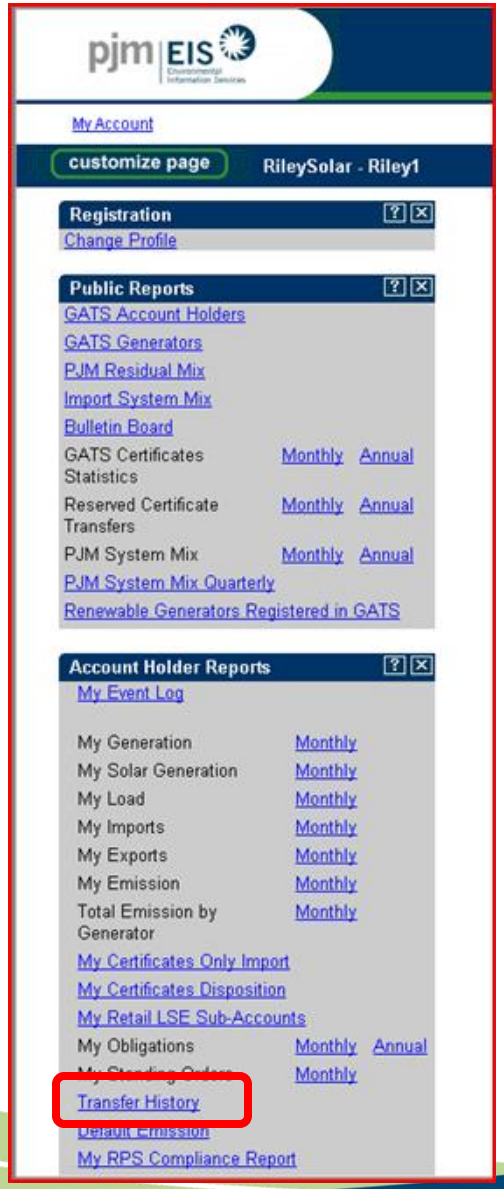
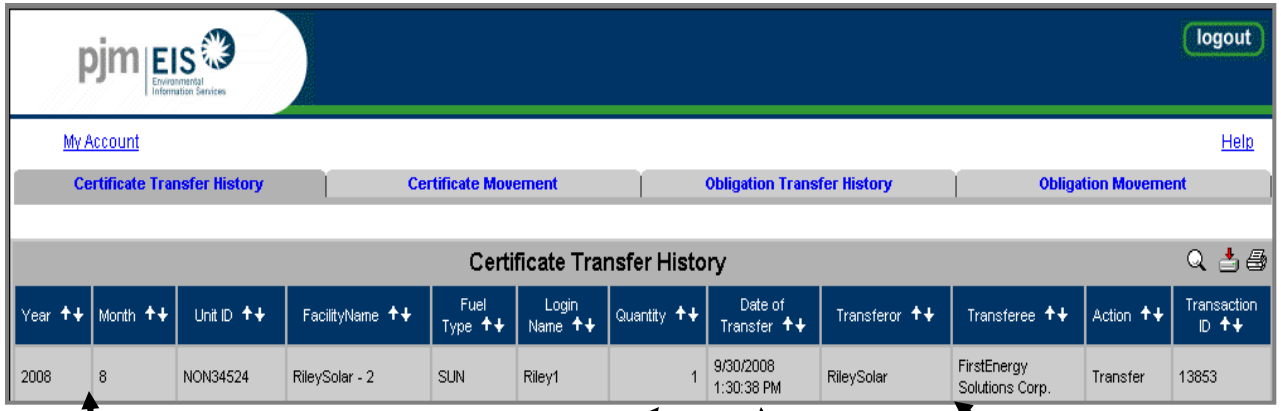
Transfer History Report



You can view your Transfer History by clicking on the Transfer History link that is listed under the Account Holder Reports Module



Year	Month	Unit ID	FacilityName	Fuel Type	Login Name	Quantity	Date of Transfer	Transferor	Transferee	Action	Transaction ID
2008	8	NON34524	RileySolar - 2	SUN	Riley1	1	9/30/2008 1:30:38 PM	RileySolar	FirstEnergy Solutions Corp.	Transfer	13853

Month and Year of generation for the certificates that have been transferred

Quantity

Date of Transfer

Transferor and Transferee

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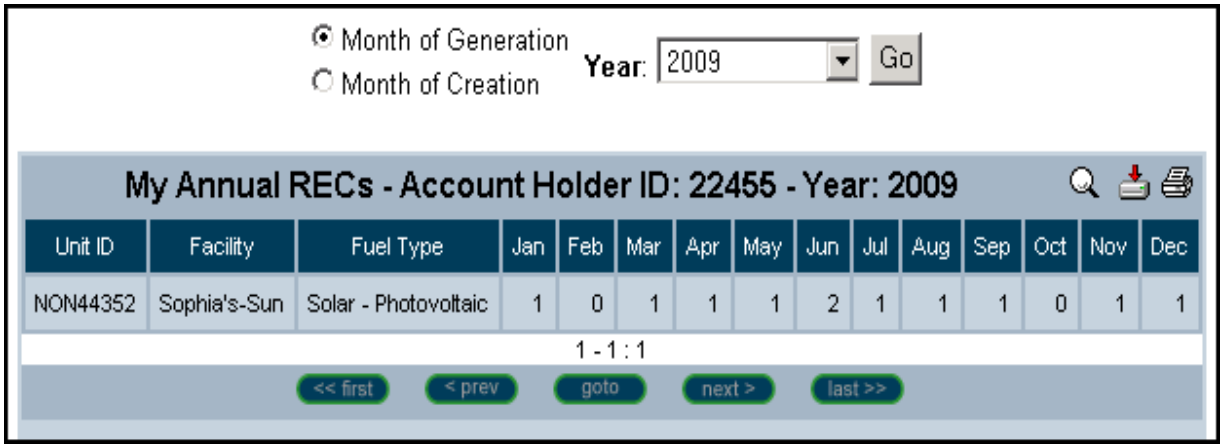
Reports- My Annual RECS

My Annual RECS shows when SRECS that have been created. This is displayed both by month of creation and by month of generation.



Unit ID	Facility	Fuel Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NON44352	Sophia's-Sun	Solar - Photovoltaic	1	0	1	1	1	2	1	1	1	0	1	1

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