

Agenda

- √ WELCOME AND INTRODUCTIONS
- √ GATS STATUS UPDATE
- √ GATS OPERATING RULES REVISIONS
- √ REVIEW OF GATS ENHANCEMENTS
- √ NEW JERSEY REPORTING REQUIREMENTS
- √ USE OF DISCLOSURE LABEL
- √ CONSIDERATIONS OF 60 DAY ADJUSTMENTS
- √ FUTURE ENHANCEMENTS
- √ SUBSCRIBER FEEDBACK ON GATS
- √ UPDATE FROM STATES ON POLICY AND RULEMAKING
- √ FUTURE MEETINGS

GATS STATUS UPDATE

(As of May 31, 2006)

- ❖ 112 SUBSCRIBERS
- ❖ 232 REGISTERED RENEWABLE GENERATORS

CERTIFICATES CREATED

	GATS Total	2006 Jan/Feb/Mar	2005
# Class I (New Jersey)	1,625,380	619,091	1,006,289
# Class II (New Jersey)	7,408,495	1,994,207	5,414,288
# Tier I (Maryland)	2,109,370	663,862	1,445,508
# Tier II (Maryland)	3,773,470	1,337,786	2,435,684
# Tier I (District of Columbia)	14,309	14,309	0
# Solar (Pennsylvania)	146	86	60
# Tier I (Pennsylvania)	1,996,647	637,081	1,359,566
# Tier II (Pennsylvania)	37,215,873	9,821,086	27,394,787

GATS STATUS UPDATE

(As of May 31, 2006)

Renewable Generators Registered by State

- ❖ DE - 10
- ❖ IL - 11
- ❖ IN - 6
- ❖ MD - 7
- ❖ MI - 9
- ❖ NC - 3
- ❖ NJ - 25
- ❖ NY - 2
- ❖ OH - 4
- ❖ PA - 99
- ❖ VA - 43
- ❖ WV - 13

GATS STATUS UPDATE

(As of May 31, 2006)

Certificates by State Programs - 2005

# of Certificates	NJ Class I	NJ Class II	NJ Solar	MD Tier I	MD Tier II	DC Solar	DC Tier I	DC Tier II	PA Solar	PA Tier I	PA Tier II
20,528,993											Yes
332,709										Yes	
60									Yes		
1,068,204					Yes						Yes
257,976				Yes							
878,934				Yes							Yes
118,574				Yes						Yes	
470,162		Yes									
3,551,176		Yes									Yes
1,367,480		Yes			Yes						Yes
74,061	Yes										
661,270	Yes									Yes	
23,945	Yes			Yes							
247,013	Yes			Yes						Yes	

GATS STATUS UPDATE (As of May 31, 2006)

Certificates by State Programs - 2006

# of Certificates	NJ Class I	NJ Class II	NJ Solar	MD Tier I	MD Tier II	DC Solar	DC Tier I	DC Tier II	PA Solar	PA Tier I	PA Tier II
6,236,726											Yes
57,162										Yes	
86									Yes		
85,186					Yes						
1,376,290					Yes						Yes
58,032				Yes							
364,844				Yes							Yes
49,871				Yes						Yes	
53,298				Yes			Yes				Yes
163,742		Yes									
1,258,139		Yes									Yes
533,235		Yes			Yes						Yes
39,091		Yes		Yes							Yes
50,437	Yes										
352,827	Yes									Yes	
40,037	Yes			Yes							
181,504	Yes			Yes						Yes	

GATS STATUS UPDATE (As of May 31, 2006)

Certificates by State Programs – 2005 and 2006

# of Certificates	NJ Class I	NJ Class II	NJ Solar	MD Tier I	MD Tier II	DC Solar	DC Tier I	DC Tier II	PA Solar	PA Tier I	PA Tier II
26,765,719											Yes
389,871										Yes	
146									Yes		
85,186					Yes						
2,444,494					Yes						Yes
316,008				Yes							
1,243,778				Yes							Yes
168,445				Yes						Yes	
53,298				Yes			Yes				Yes
633,904		Yes									
4,809,315		Yes									Yes
1,900,715		Yes			Yes						Yes
39,091		Yes		Yes							Yes
124,498	Yes										
1,014,097	Yes									Yes	
63,982	Yes			Yes							
428,517	Yes			Yes						Yes	

GATS OPERATING RULES REVISIONS

Revision 4 - May 10, 2006

- Section 8.6, Figure 6 – Data Fields on a Certificate
 - added Delaware RPS programs fields

- Section 11.3 – External Generators
 - removed provision stating that External Generators must be “...located in states adjacent to PJM geographical boundaries.” External Generators must only qualify for a program in at least one PJM state.

GATS OPERATING RULES REVISIONS (cont'd)

Revision 4 - May 10, 2006

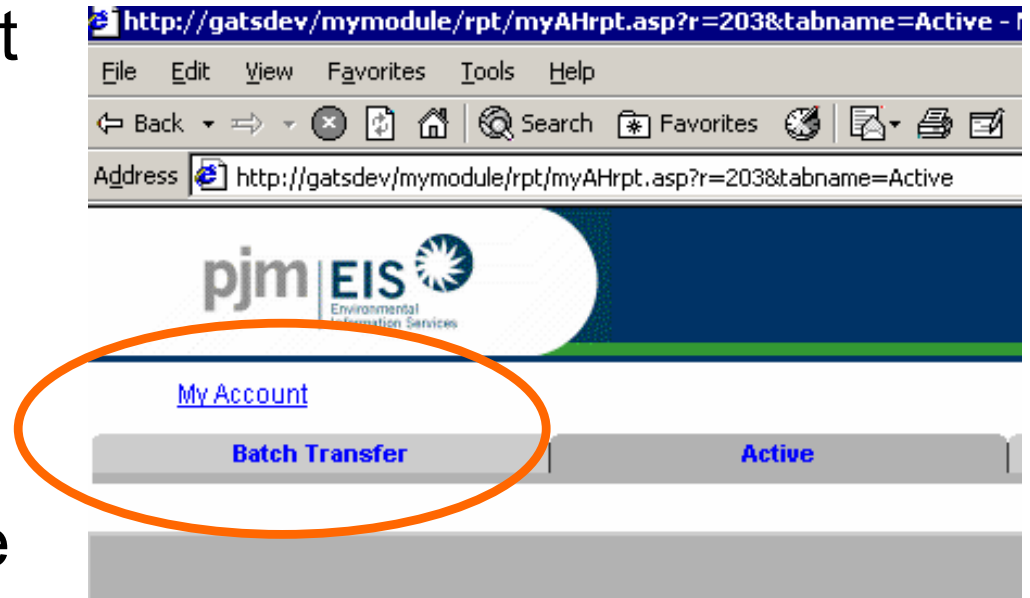
- **Appendix A – Comparison of RPS Programs**
 - added a column for Delaware
 - added NJ RPS percentages for 2009 through 2020
- **Appendix C – Generator Static Data Fields**
 - added six Fuel Types:
 - EE - Energy Efficiency
 - DSR - Demand-Side Response
 - FCN – Fuel Cell (Non-renewable)
 - FCR – Fuel Cell (Renewable)
 - STH – Solar Thermal
 - WH - Waste Heat
 - added Delaware RPS program fields

REVIEW OF GATS ENHANCEMENTS

- **Bulk Transfers**
 - PJM EIS will be releasing an updated version of the GATS system on June 9, 2006
 - GATS will provide participants with the ability to transfer multiple batches of certificates in a single transaction
- **Delaware RPS Programs**
- **New Fuel Types**

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

- Description:
 - With the enhancement users will have the option to select multiple batches of certificates which are then joined and transferred as a single large batch through the new “Batch Transfer” tab.

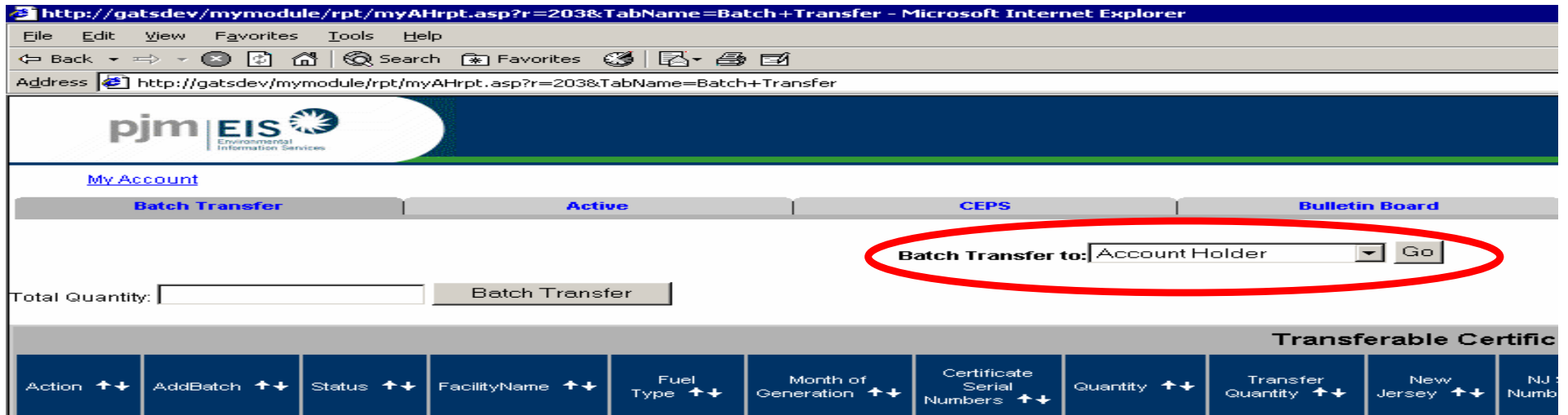


REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

The screenshot shows a Microsoft Internet Explorer browser window displaying the GATS web application. The address bar shows the URL: `http://gatsdev/mymodule/rpt/myAhrpt.asp?r=203&TabName=Batch+Transfer`. The page header includes the PJM EIS logo and navigation tabs: **my Account**, **Batch Transfer** (highlighted with a red circle), **Active**, **CEPS**, and **Bulletin Board**. Below the tabs, there is a "Batch Transfer to:" dropdown menu set to "Account Holder" and a "Go" button. A "Total Quantity:" input field and a "Batch Transfer" button are also visible. At the bottom, a table titled "Transferable Certific" lists various columns: Action, AddBatch, Status, FacilityName, Fuel Type, Month of Generation, Certificate Serial Numbers, Quantity, Transfer Quantity, New Jersey, and NJ Numb.

- The new Batch Transfer tab will appear on the Active Certificate screen and can be accessed by clicking on the certificate quantity link in the account summary box of a participants account.

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS



The screenshot shows a Microsoft Internet Explorer browser window displaying the GATS web application. The address bar shows the URL: `http://gatsdev/mymodule/rpt/myAhrpt.asp?r=203&TabName=Batch+Transfer`. The page header includes the PJM EIS logo and navigation links for 'My Account', 'Batch Transfer', 'Active', 'CEPS', and 'Bulletin Board'. A red circle highlights the 'Batch Transfer to:' dropdown menu, which is currently set to 'Account Holder'. Below this, there is a 'Total Quantity:' input field and a 'Batch Transfer' button. The main content area is titled 'Transferable Certific' and contains a table with columns for 'Action', 'AddBatch', 'Status', 'FacilityName', 'Fuel Type', 'Month of Generation', 'Certificate Serial Numbers', 'Quantity', 'Transfer Quantity', 'New Jersey', and 'NJ: Numb'.

- GATS user will first select, via dropdown, which account type they would like to initiate the transfer to. Once an account type is chosen, only certificates that can be transferred to that account will be listed (as per the business rules):
- Drop down list contains:
 - To Counterparty
 - To Active
 - To CEPS
 - To Bulletin Board
 - To Reserve
 - To Retail LSE Sub-Accounts

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

Total Quantity:

Action ↑↓	AddBatch ↑↓	Status ↑↓	FacilityName ↑↓	Fuel Type ↑↓	Month of Generation ↑↓	Certificate Serial Numbers ↑↓
Transfer	<input type="checkbox"/>	CEPS	York Haven - 1	Hydro - Conventional	2005/03	1913 - 10001 to 12359
Transfer	<input type="checkbox"/>	CEPS	York Haven - 1	Hydro - Conventional	2005/05	3512 - 10001 to 11844

- Using a checkbox located on the batch transfer screen the user can select multiple batches to be joined to form one single large batch for transfer.

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

Total Quantity:

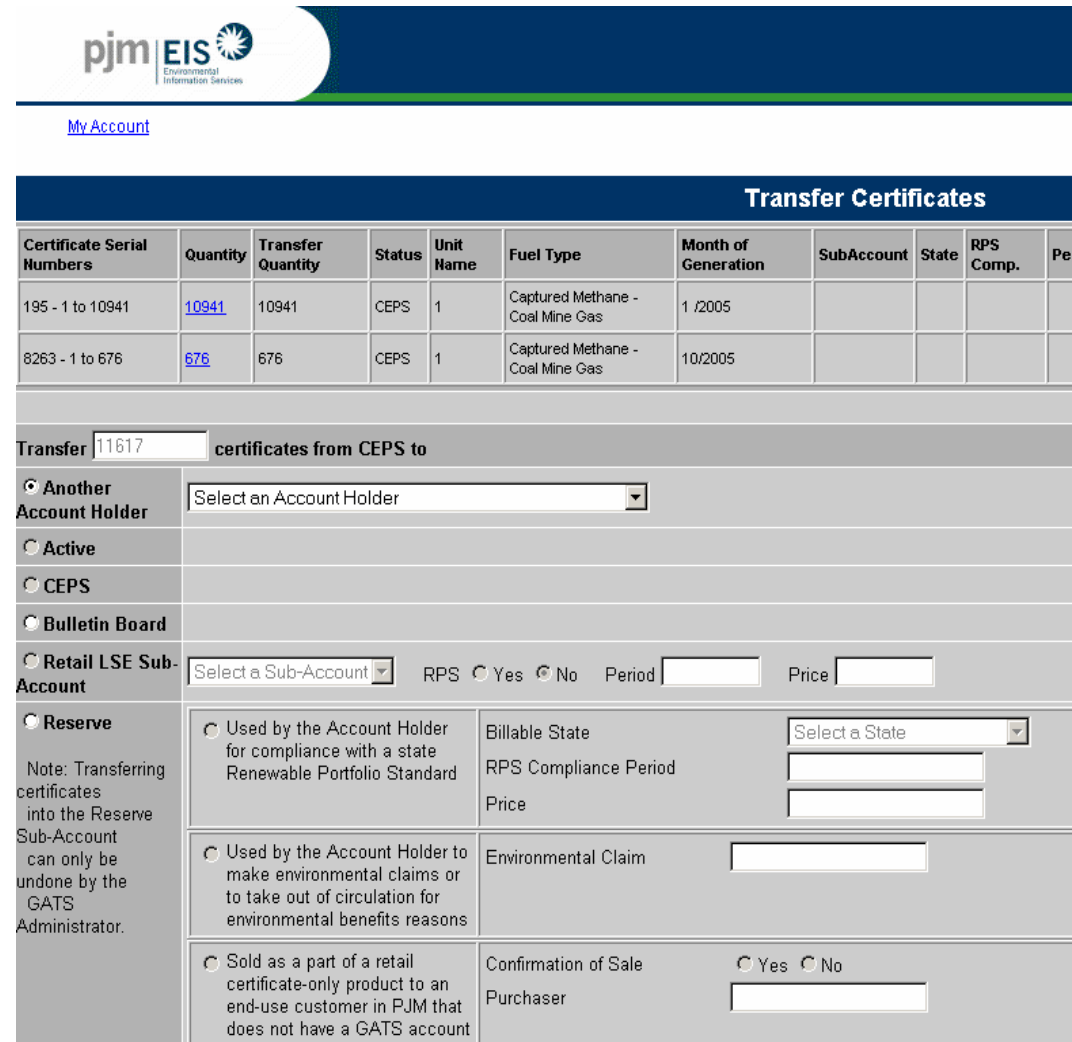
Batch Transfer


Action ↑↓	AddBatch ↑↓	Status ↑↓	FacilityName ↑↓	Fuel Type ↑↓	Month of Generation ↑↓	Certificate Serial Numbers ↑↓	Quantity ↑↓	Transfer Quantity ↑↓
Transfer	<input type="checkbox"/>	CEPS	York Haven - 1	Hydro - Conventional	2005/03	1913 - 10001 to 12359	2,359	<input type="text" value="2359"/>

- For each individual batch the user has a further option to indicate the quantity for transfer. The transfer quantity can be up to but not more than the amount of certificates in each batch.
- Once edited the total quantity selected for batch transfer will show up in the “Total Quantity” box.
- Clicking on the “Batch Transfer” button located next to the Total Quantity box will take the user to the Certificate Review Screen.

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

- Users can review the details of their selection and initiate the final execution of the transfer.
- This screen will show the total number of certificates selected for transfer, a summary view of the individual batch certificate details and the transfer option chosen.
- For transfers to counterparty the transferee has the ability to accept each individual batch separately or to accept all batches at once. This is also true for rejection or withdrawal by the transferor.





[My Account](#)

Transfer Certificates										
Certificate Serial Numbers	Quantity	Transfer Quantity	Status	Unit Name	Fuel Type	Month of Generation	SubAccount	State	RPS Comp.	Pe
195 - 1 to 10941	10941	10941	CEPS	1	Captured Methane - Coal Mine Gas	1/2005				
8263 - 1 to 676	676	676	CEPS	1	Captured Methane - Coal Mine Gas	10/2005				

Transfer certificates from CEPS to

Another Account Holder

Active

CEPS

Bulletin Board

Retail LSE 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

 RPS Compliance Period

 Price

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 Purchaser Yes No

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

Empty

Certificate

From	Quantity	Status	Confirm	Reject
Empty				

Standing Orders

From	Quantity %	Status	Confirm	Reject
Empty				

Outbox ? X

Obligation

To	Quantity	Status	Withdraw
Empty			

Certificate

To	Quantity	Status	Withdraw all
FirstEnergy Solutions Corp.	676	Pending	Withdraw
FirstEnergy Solutions Corp.	10,941	Pending	Withdraw

Standing Orders

To	MSET ID	Quantity %	Status	Withdraw
Empty				

Account Status

Trading Period:		
2005 - Close	2006 - Open	2006 - Close
3/17/2006 - 3/17/2006 11:51:54 AM	3/17/2006 11:51:54 AM - 2/26/2007	2/26/2007 - 3/1/2007

Task

Certificate Creation	Open Period	Acct Holder Review	Certificate Creation	Open Period
March 2006	Open Period	April 2006	April 2006	Open Period
04/30/2006	05/01/2006 to 05/12/2006	05/12/2006 to 05/31/2006	05/31/2006	06/01/2006 to 06/10/2006

Account Summary

MSET Data & Manual Generation Totals

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

Account Activity

Certificates		Obligations	
Active	394,446	Transferred In	0
CEPS	1,392,840	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	1,787,286	Obligation Total	0

Certificate acceptance and rejection:

- On initiating a transfer the transaction will appear under “certificate” in the outbox of the transferor.
- The transferor has the option to withdraw any or all transactions initiated before the transferee accepts them by clicking on the withdraw link.

REVIEW OF GATS ENHANCEMENTS – BULK TRANSFERS

Account Administrator
Phone: 330-315-7281

Inbox [?] [X]

Obligation

From	Quantity	Status	Confirm	Reject
Empty				
Certificate				
From	Quantity	Status	Confirm all	Reject all
Allegheny Energy Supply Company, L.L.C.	676	Pending	Confirm	Reject
Allegheny Energy Supply Company, L.L.C.	10,941	Pending	Confirm	Reject
Standing Orders				
From	Quantity %	Status	Confirm	Reject
Empty				

Account Status

Trading Period:		
2005 - Close	2006 - Open	2006 - Close
3/17/2006 - 3/17/2006 11:51:54 AM	3/17/2006 11:51:54 AM - 2/26/2007	2/26/2007 - 3/1/2007
Task:		
Certificate Creation	Open Period	Acct Holder Review
March 2006	April 2006	Certificate Creation
04/30/2006	05/01/2006 to 05/12/2006	05/12/2006 to 05/31/2006
	05/31/2006	06/01/2006 to 06/10/2006

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

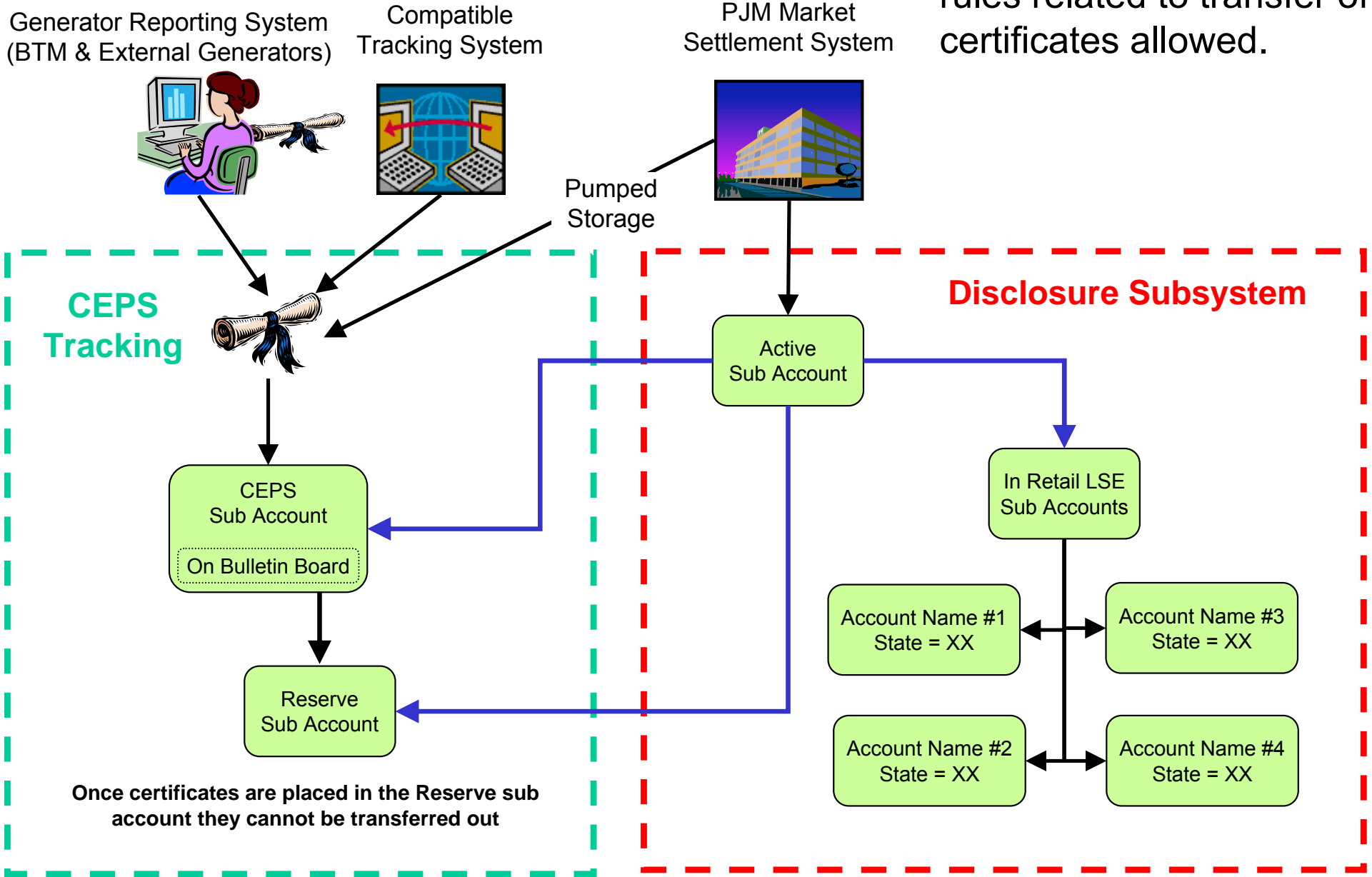
Certificates		Obligations	
Active	44,699	Transferred In	0
CEES	330,412	Transferred Out	0
On Bulletin Board	0		
Reserved	21		
In Retail LSE Sub-Accounts	0	In Retail LSE Sub-Accounts	274,064

Account Totals

Certificates		Obligations	
Certificate Total	375,132	Obligation Total	274,064

- The transferee will see the transaction in the inbox section.
- The transferee has the option to confirm (accept) or reject all or individual batches of the transaction.

This slide is provided for an overview of the business rules related to transfer of certificates allowed.



REVIEW OF GATS ENHANCEMENTS – DE RPS PROGRAMS

- **Eligible Energy Resources** – the following energy sources located within the PJM region or imported into the PJM region and tracked through the PJM Market Settlement System:
 - Solar
 - Wind
 - Ocean
 - Geothermal
 - Fuel cell powered by Renewable Fuels
 - Combustion of gas from anaerobic digestion of organic material
 - Hydroelectric facility (30 MW or less)
 - Combustion of biomass
 - Combustion of methane gas from a landfill
- **New Renewable Generation Resources** - Eligible Energy Resources first going into commercial operation after December 31, 1997.

REVIEW OF GATS ENHANCEMENTS – DE RPS PROGRAMS

Compliance Year	Percentage
2007	1%
2008	1.5%
2009	2%
2010	1.75%
2011	3.5%
2012	4.25%
2013	5%
2014	5.75%
2015	6.5%
2016	7.25%
2017	8%
2018	9%
2019	10%

REVIEW OF GATS ENHANCEMENTS – NEW FUEL TYPES

- New Fuel Types
 - **Energy Efficiency (EE)** - Energy efficiency technologies, management practices, or strategies that reduce electrical consumption by customers
 - **Demand Side Response (DSR)** – Demand response technologies that shift electrical load from periods of higher demand to periods of lower demand
 - **Fuel Cell – Renewable Fuel (FCR)** – An electrochemical device that converts a renewable fuel's chemical energy directly into electricity, heat and water without combustion
 - **Fuel Cell – Non-Renewable Fuel (FCN)** - An electrochemical device that converts a non-renewable fuel's chemical energy directly into electricity, heat and water without combustion

REVIEW OF GATS ENHANCEMENTS – NEW FUEL TYPES

- New Fuel Types (continued)
 - **Solar Thermal (STH)** – Radiant energy from the sun converted into thermal energy. Note – solar thermal energy may be eligible as a DC Tier 1 resource and a PA Tier II resource.
 - **Waste Heat (WH)** – Heat that is a by-product of an industrial process and which is used in the direct production of electricity at the facility of a customer

REGISTERING DEMAND SIDE RESPONSE UNITS

- Demand Side Resources will be registered in GATS the same way an External/Behind the Meter Resource is registered
 - Enter the Site Name into the Plant Name Text Box
 - Enter the Load Response Registration ID assigned by PJM into the Unit Id Text Box
 - When Registration ID is updated for the next planning period the GATS Administrator must receive an email with the new Registration ID in order to obtain the correct data
 - Select DR from the fuel type selections and make it the primary fuel type
- GATS Administrator will upload the data for resources that participate in PJM's Load Response Program
- Resources that do not participate in the PJM Load Response Program will need to self-report the data with an approved method from PA

REGISTERING ENERGY EFFICIENCY UNITS

- Energy Efficiency units will be registered in GATS the same way an External/Behind the Meter Resource is registered
- When selecting the Fuel Type you will need to select EE from the selections and make it the primary fuel type
- Resources will need to self-report the data with an approved method from PA

NEW JERSEY REPORTING REQUIREMENTS

- Suppliers
 - Transfer obligations and associated certificate's to the EDC's account in a timely matter in order for the EDC's to report on time to the New Jersey BPU
 - If the obligations for June 2005 through December 2005 were not transferred to the EDC before the end of February 2006 the Supplier will need to download the following reports and submit the reports to the EDC in order for the EDC to report correctly:
 - Monthly "My Obligations" Report for June 2005 through December 2005

NEW JERSEY REPORTING REQUIREMENTS

- EDC's
 - Transfer the certificates to the appropriate subaccount
 - If the certificates are in the Active Subaccount then you will transfer them to the appropriate Retail LSE Subaccount
 - If the certificates are in the CEPS Subaccount then you will transfer them to the Reserve Subaccount and indicate that you are using them for RPS in New Jersey for the 2005/2006 Planning Period
 - Download the My Certificates Disposition Report, Retail LSE Report and My Obligations Report to obtain the needed data in order to compile the New Jersey Report
 - Once you have downloaded all the reports you can then put the data into the Report format for New Jersey

USE OF DISCLOSURE LABEL

- To get an accurate Disclosure Label the following steps need to be completed:
 - The obligations will be placed into the Retail LSE Subaccount by State
 - Certificates will need to be transferred to the Retail LSE Subaccount against the load in order to get an accurate Disclosure Label
 - If the renewable certificates are not placed against the load then the Label will include more of the residual mix portraying an inaccurate label

CONSIDERATIONS OF 60 DAY ADJUSTMENTS

- Currently GATS load numbers consist of the unreconciled load numbers
 - The 60 or 90 Day Reconciliations are not included in these numbers

FUTURE ENHANCEMENTS

- ❖ Behind the Meter
- ❖ Financial Settlement via GATS
- ❖ Certificates with Multiple Components

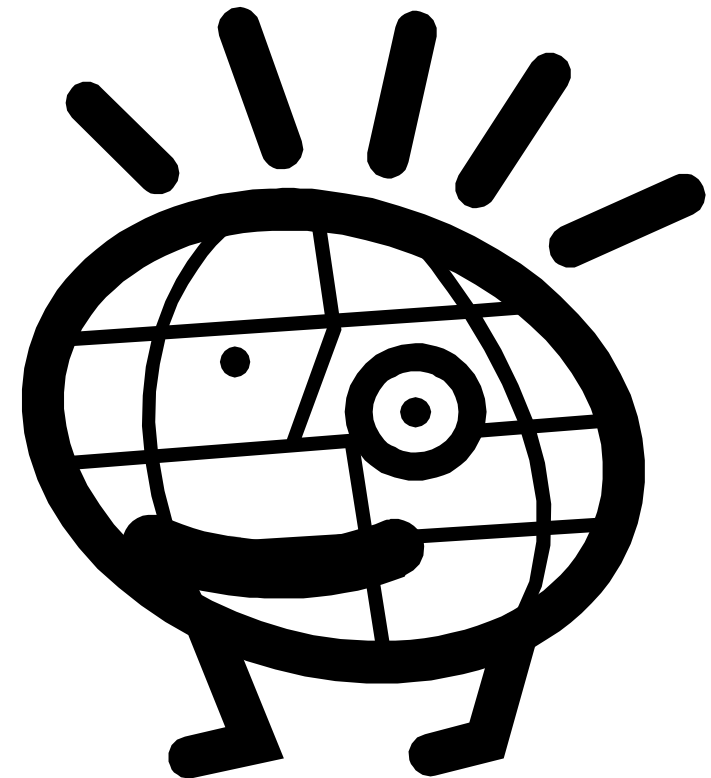
SUBSCRIBER FEEDBACK ON GATS

- ❖ Reports
- ❖ System



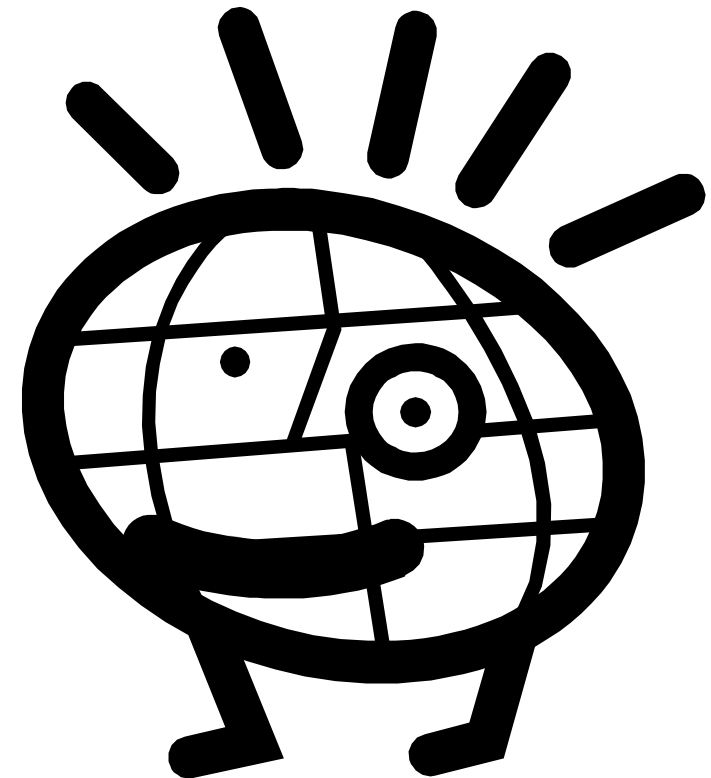
UPDATE FROM STATES ON POLICY & RULEMAKING

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



FUTURE MEETINGS

- GATS Subscriber Group Meetings will be held semi-annually
- Notices will be sent out at least 2 weeks prior to the next meeting



GATS Technical & Customer Service / Administrative Support



Jaclynn Geist
Ritwik Mishra
(610) 666-2245
GATSAdmin@pjm-eis.com

