



PA AEPS

Energy Efficiency Overview



www.inclimesolutions.com

(877)-333-0573 | customerservice@pennaeps.com

InClima, Inc. is the Third-Party Program Administrator for the Pennsylvania Alternative Energy Portfolio Standards Program

PA AEPS Program Overview

The [Pennsylvania Alternative Energy Portfolio Standards Program \(AEPS\)](#) requires utility companies and retail suppliers to purchase a percentage of alternative energy resources to meet annual AEPS compliance.

The utilities and suppliers meet their AEPS percentage requirements by purchasing alternative energy credits (AECs) from qualified alternative energy systems.

1 AEC = 1 MWh = 1,000 kWhrs Generation or Savings

Categories of AECs and eligible technologies:

Solar:

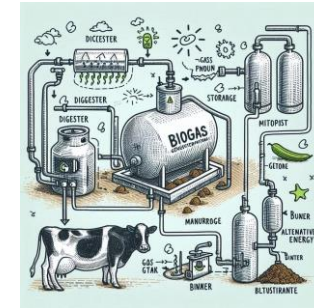
- PA Sited Solar Facilities

Tier I:

- PJM Sited Biogas, Wind, Non-PA Sited Solar

Tier II:

- PA Sited Waste Coal, Municipal Solid Waste, Energy Efficiency Measures



PA AEPS Energy Efficiency Overview

Certain energy efficient measures can qualify for Tier II AECs. Energy efficient measures are outlined in the [PUC's Technical Reference Manual \(TRM\)](#) for both residential and commercial buildings. Several eligible energy efficiency measures are:

- Lighting retrofits including controls
- HVAC systems
- Chillers
- Geothermal Heat Pumps



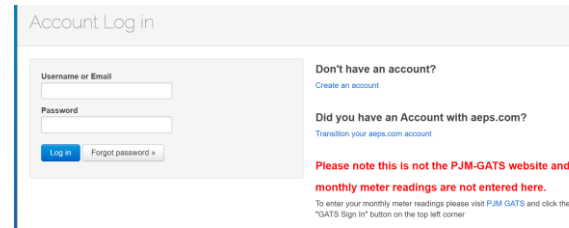
Tier II AECs for energy efficient measures are generated based on the savings between an inefficient technology and the new efficient technology. The eligibility period for energy efficiency measures varies by measure and can be found in the TRM.

Pre-Retrofit kWhrs Less Post-Installation kWhrs= Energy Savings kWhrs



PA AEPS Energy Efficiency Application Process

1. Create an account in the PA AEPS Portal at www.pennaeps.com and log-in.



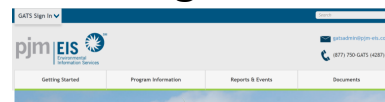
2. Complete and Submit Application

- Property owner and system owner contact
- Location
- Date project was completed
- Energy efficient measure
- Supporting documents

3. Program Administrator reviews applications and follows up with requests for additional information or issues a state certification number with a generation schedule

PA Cert Number	PA-4040916-EE-II
PA Cert Date	2023-12-16

4. Applicant creates an account and registers the certification in PJM GATS.

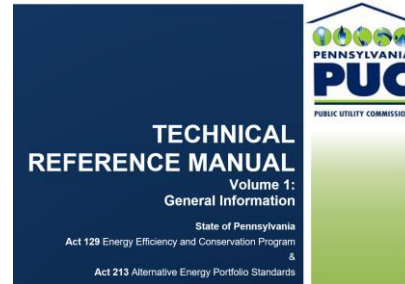


PA AEPS EE Supporting Documents

Supporting documents to provide with application:



- If an energy efficient project applied for a rebate or other incentive through their utility, we can accept the rebate package with an invoice showing the project has been completed.



- If an energy efficient project did not apply for a utility rebate, the following documents can be provided. The contractor for the project should be able to supply this information:
 - Summary of project and savings calculation
 - Invoice showing project has been completed
 - Cut sheets or equipment specs (upon request by the program administrator)
 - Utility bill (upon request by the program administrator)

PA AEPS Energy Efficiency Example

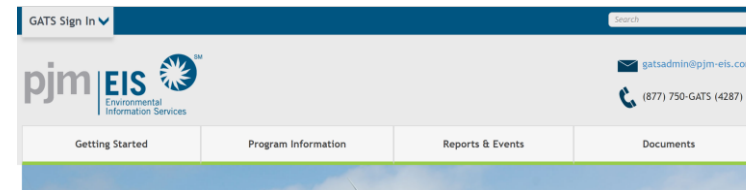
Total Savings			
	Change in Connected Load	Peak Demand Savings	Annual Energy Savings
Lighting Only	1.05 kW	.65 kW	3,182 kWh
Controls Only	-	-	-
Total	1.05 kW	.65 kW	3,182 kWh

Project Overview				
Project Name	EE Example			
Project Address	12345 Main St., Harrisburg PA 0			
Project Type	EE/DSM			
Nameplate Capacity in MW (for GATS)	0.000363			
Annual Awarded Savings in kWh				3,182
Total Awarded Savings in kWh				43,000
State Certification #	PA-12345-EE-II			
1 REC=1000 kWhr/1MW				
The facility may now be registered on the PJM GATS registry where credits are issued, tracked and traded. The website for GATS is http://www.pjm-els.com/				
Please contact PennAEPS Customer Service if any of the facility information is incorrect or if there are any changes to your system in the future.				
Facility is subject to an on-site inspection by the Program Administrator or one of their contractors.				
AEC Eligibility Start Date	Project Completion Date	AEC Eligibility End Date	Annual kWh	Eligibility Term (Years)
1/7/25	6/28/23	6/28/38	3,182	15
Month of Generation	Actual kWh	Running Total kWh	Rounded Entry (kWh)	Entry for GATS (MWh)
Jan-25	209	209	-	-
Feb-25	265	474	-	-
Mar-25	265	740	-	-
Apr-25	265	1,005	1,000	1
May-25	265	1,270	-	-
Jun-25	265	1,535	-	-
Jul-25	265	1,800	-	-
Aug-25	265	2,066	1,000	1
Sep-25	265	2,331	-	-
Oct-25	265	2,596	-	-
Nov-25	265	2,861	-	-
Dec-25	265	3,126	1,000	1
Jan-26	265	3,392	-	-
Feb-26	265	3,657	-	-
Mar-26	265	3,922	-	-
Apr-26	265	4,187	1,000	1
May-26	265	4,452	-	-
Jun-26	265	4,718	-	-
Jul-26	265	4,983	-	-
Aug-26	265	5,248	1,000	1
Sep-26	265	5,513	-	-
Oct-26	265	5,778	-	-
Nov-26	265	6,043	1,000	1
Dec-26	265	6,309	-	-
Jan-27	265	6,574	-	-
Feb-27	265	6,839	-	-
Mar-27	265	7,104	1,000	1
Apr-27	265	7,369	-	-
May-27	265	7,635	-	-
Jun-27	265	7,900	-	-
Jul-27	265	8,165	1,000	1
Aug-27	265	8,430	-	-
Sep-27	265	8,695	-	-
Oct-27	265	8,961	-	-
Nov-27	265	9,226	1,000	1
Dec-27	265	9,491	-	-

PJM GATS EE Entry Process

- 1000 kWhrs = 1 MWh =
1 Tier II Alternative Energy Credit

1. Create an account on PJM-GATS at <https://www.pjm-eis.com/> or enlist an aggregator to manage your PJM-GATS account
2. Enter monthly generation into PJM-GATS monthly, quarterly
3. Credits are created and eligible to be sold and transferred



Jun	Jun Src	Jul	Jul Src	Aug	Aug Src
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1.000	SR	1.000	SR	1.000	SR

Jun	Jul	Aug
<input type="text"/>	<input type="text"/>	<input type="text"/>
1	1	1

Transacting Credits



- 1000 kWhrs Savings = 1 MWh Savings = 1 Tier II Alternative Energy Credit
- Energy Year 2024 Tier II credit prices ranged from \$.01-\$40.00 and averaged \$26.68
 - Tier II spot market credit prices currently \$38-\$42
- Alternative Energy Credits are eligible for 3 years from the generation date
- Generators are responsible to find a buyer for the credits or to enlist the services of a broker or aggregator to manage the credits (Aggregator/Broker list can be provided)
 - [Aggregators Listed on PennAEPS](#)
 - [Aggregators Listed on PJM-GATS](#)



Savings
Entered in
PJM GATS



Credits
Generated



Transact
Credits

Questions



PA AEPS Program Administrator

[Email: customerservice@pennaeps.com](mailto:customerservice@pennaeps.com)

Telephone: 877-333-0573