



# EY 2018 NJ RPS Compliance Coordination Meeting

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NJBPU - Office of Clean Energy  
July 17, 2018

# AGENDA – JULY 17, 2018

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- 1. Overview and Review of the NJRPS rules & requirements for EY 2018 compliance reporting**
- 2. Overview of GATS Load Data for NJ Electricity Suppliers and NJ S/REC Retirement Procedure (PJM-EIS)**
- 3. EY 2017 Review**
- 4. Discussion of Retail Sales Calculations and the process for making Adjustments**
- 5. Process, Procedures and Timelines for Submitting EY 2018 Reports**
- 6. Review & Discussion of EY 2018 Environmental Information Disclosure Label Requirements - Dec 1, 2018**
- 7. Next Steps**
- 8. Discussion of 2018 Clean Energy Act Implementation (Questions)**

# NJ RPS Regulatory History



- **Electric Discount and Energy Competition Act of 1999 (EDECA)**
  - Definition of Class I & II Renewable Energy
  - Societal Benefits Charge / CRA process
  - Renewable Portfolio Standards
  - Net Metering and Interconnection
- Governor's Renewable Energy Task Force (04/24/03)
- RPS Rulemaking (2003, 2004, 2005, 2006, 2008, 2011, 2013, pending)
- The "Solar Transition" (Docket No.EO06100744, Orders 2006 thru 2013)
- Global Warming Response Act (L. 2007, c. 340, 1/13/08)
- New Jersey's Energy Master Plan (2008, 2011, Pending)
- Solar Advancement Act of 2009 (L.1999 c.23)
- The Solar Act of 2012 (L. 2012, c. 24, 07/23/12)
- The "RRF vs. Large Hydro Act" (L. 2015, c. 51, 05/07/15)
- Clean Energy Act of 2018 (L. 2018, c. 05/23/18)

# Solar Act of 2012

## Signed July 23, 2012



- Amended RPS and Net Metering Definitions
- Accelerated RPS compliance schedule for Solar, doubled in 2014
- Revised the SACP schedule; EY14 thru '16, extends to EY28
- SREC banking extended to 5 yrs.
- **Converted Solar RPS from absolute (gWhr) back to percentage of retail sales requirement.**
- **Rules Adopted by the Board Feb. 22, 2017**
- **Rules Published in the NJ Register April 17, 2017.**
- **RPS Requirements for EY 2018**
  - **Solar - 3.20%, Class I - 12.325%, Class II - 2.5%**

# PJM EIS Presentation

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Jaclynn Lukach, Vice President PJM EIS

# EY 2017 Report & Review



**RESULTS POSTED ON NJ CLEAN ENERGY WEBSITE AT:**

**[www.NJCleanEnergy.com/RPS](http://www.NJCleanEnergy.com/RPS)**

**TOTAL REPORTED RETAIL SALES - 75,031,956 MWHRS**

## **RPS Report Summary 2005-2017**

Retail Sales Adjustment and Final Retail Sales Figures

Timeline for EY17 RPS Compliance Reporting

EY17 RPS Reporting Instructions

EY17 RPS Compliance Instructions

EY17 ACP SACP Payment Instructions

EY17 BGS TPS Reporting Spreadsheet

Order Denying Request for Extension of NJ RPS Compliance

Reporting Instructions for EY17 - 07.26.17

EY17 RPS Compliance Coordination Meeting Presentation

Overview of GATS Load for NJ LSEs - June 2017



# EY 2017 Report & Review

Energy Year	Solar No. of RECs	Solar Weighted Avg. Price	Solar Estimated Total Cost	Class I No. of RECs	Class I		Class II No. of RECs	Class II	
					Weighted Avg. Price	Estimated Total Cost		Weighted Avg. Price	Estimated Total Cost
EY2013	2,055	\$220.18	\$452,462.13	0	\$0.00	\$0.00	0	\$0.00	\$0.00
EY2014	7,369	\$220.24	\$1,622,915.83	0	\$0.00	\$0.00	0	\$0.00	\$0.00
EY2015	15,889	\$215.80	\$3,428,879.79	858,338	\$11.45	\$9,830,881.58	0	\$0.00	\$0.00
EY2016	143,564	\$229.95	\$33,012,832.95	4,244,120	\$11.58	\$49,127,615.83	0	\$0.00	\$0.00
EY2017	2,082,191	\$219.73	\$457,511,218.57	2,786,242	\$13.14	\$36,615,847.83	1,730,780	\$6.32	\$10,938,529.60
<b>Total</b>	<b>2,251,068</b>	<b>\$220.35</b>	<b>\$496,028,309.27</b>	<b>7,888,700</b>	<b>\$12.12</b>	<b>\$95,574,345.24</b>	<b>1,730,780</b>	<b>\$6.32</b>	<b>\$10,938,529.60</b>
<b>Comitted Supply (ACE)</b>							<b>123,235</b>	<b>\$6.32</b>	<b>\$778,845.20</b>
<b>NOTE: 20,893 Class I RECs used for Class II Requirement</b>							<b>1,854,015</b>		<b>\$11,717,374.80</b>
S/ACP	24	\$315.00	\$7,560.00	27	\$50.00	\$1,350.00	7	\$50.00	\$350.00

# EY 17 RPS SALES ADJUSTMENT RESULTS

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- **41 TPSs submitted retail sales adjustment requests by the August 29<sup>th</sup> deadline.**
- **Four other TPSs who missed the deadline quickly submitted corrected reports retiring the additional S/RECs and/or paying the required S/ACPs.**

# EDC REPORTING SPREADSHEET



## EDC Retail Sales by LSE

**NJ RPS Energy Year 2017** ( Period Covering June 1, 2016 thru May 31, 2017)

INSERT EDC NAME
INSERT EDC Contact Person Name and Phone

I. BGS Retail Sales	Amount Served (MWh) Under BGS Contracts Entered			
	BGS Auction 2014	Retail Sales BGS Auction 2015	BGS Auction 2016	Total BGS Sales
List Each BGS Provider Serving NJRPS EY17 Retail Sales				
1. INSERT BGS Provider 1. Name	-	-	-	0
2. INSERT BGS Provider 2. Name	-	-	-	0
... INSERT ROWS and BGS Provider Names as necessary	-	-	-	0
X. INSERT BGS Provider X. Name	-	-	-	0
(X equals the number of BGS providers with NJRPS EY17 Retail Sales)				
I. a. EDC Retail Sales Served By BGS Providers by BGS Auction:	0	0	0	0

II. Third Party Supplier (TPS) Retail Sales	Amount Served (MWh)
List All TPS Serving NJRPS EY17 Retail Sales	
1. INSERT TPS Provider 1. Name	-
2. ... INSERT TPS Provider 2. Name	-
Y. INSERT ROWS and TPS Provider Names as necessary to Y.	-
(Y equals the number of TPS with NJRPS EY17 Retail Sales)	
II. EDC Total Retail Sales Served By TPS Providers:	0

III. EDC Total Retail Sales	Amount Served (MWh)	EY 17 RPS Obligation %	RPS Obligation
I. EDC Retail Sales Served By BGS Providers.	0		
Solar		3.00%	0
Class I		10.49%	0
Class II		2.50%	0
II. EDC Total Retail Sales Served By TPS:	0		
Solar		3.00%	0
Class I		10.49%	0
Class II		2.50%	0
III. Total Retail Sales Served in EDC	0		
(X + Y equals the total number of BGS Providers and TPS with EY17 sales)			

# RETAIL SALES ADJUSTMENT



## Process for EY 2018

- June 29, 2018 – PJM unreconciled load figures available to BGS/TPS in GATS
- June 29, 2018 – BGS Providers can begin transferring S/RECs to EDC GATS Account
- EDCs Fill Out Retail Sales Data Sheet (By August 10)
- OCE to Post Retail Sales Adjustment Procedure (August 15)
- BGSs/TPSs Sales Adjustment Requests Due and Posted in GATS My Compliance Report (August 15 – August 29)
- OCE Post Final Retail Sales Figures Based on GATS Load numbers and Sales Adjustment Requests (By Sept. 7, 2018)
- These Sales Numbers are **FINAL** and Must be Used when RPS Compliance Report Submitted
- EY 2018 RPS Reports Due October 1, 2018

# REPORTING REQUIREMENTS



- Printout from GATS (My RPS Compliance Report **SUMMARY PAGE ONLY!!**) demonstrating compliance with Solar, Class I and Class II RPS requirements. Please ensure with committed supply numbers that you give us the name of the generator, you are the owner of these RECs and provide **proof** that these RECs have been retired. **Please calculate your RPS obligations based on Total Retail Sales and not Sales By PJM Zone!!!**
- The Completed **EY 18 BGS TPS Reporting Spreadsheet** showing how you met Compliance. **Please calculate your RPS obligations based on Total Retail Sales and not Sales By PJM Zone!!!**
- Board approved **affidavits**, titled **Class I and Class II Certification Forms** for biomass (BSD) and out of state resource recovery facilities. **Completed By the Generator!!!**
- Documentation confirming Alternative Compliance Payment (ACP) and/or Solar Alternative Compliance Payments (SACP) payment, if needed, in the form of copies of checks for each **ACP (\$50 per)** and/or **SACP (\$308 per)** payment.

# BGS TPS Reporting Spreadsheet



<b>Company Name</b>					
<b>INSERT BGS or TPS Contact Person Name and Phone #</b>					
<b>BGS or TPS Address</b>					<b>June 1, 2017 - May 31, 2018</b>
	BGS or TPS Sales:	100,000		MWh	
	Additional Sales:	0		MWh	
	<b>Total BGS or TPS Sales Served:</b>	<b>100,000</b>		<b>MWh</b>	
<b>Solar Requirement</b>					
	Solar Requirement:	3,200		MWh (3.20% of Sales)	
	Solar RECs Supplied:	0		S-RECs	
	S-ACPs Required:	3,200			
<b>Class I Requirement</b>					
	Class I Requirement:	12,325		MWh (12.325% of Sales)	
	Class I RECs through GATS:	0		RECs	
	Class I Committed Supply:	0		RECs	
	ACPs Required:	12,325			
<b>Class II Requirement</b>					
	Class II Requirement:	2,500		MWh (2.5% of Sales)	
	Class II RECs through GATS:	0		RECs	
	Class II Committed Supply:	0		RECs	
	ACPs Required:	2,500			
<b>Committed Supply (external to GATS)</b>					
<b>Class I Sources</b>					
Facility Name	Location	Plant ID Number	Plant ID Description	Fuel/Technology	MWh Delivered
		N*****	REPIS ID		
		N*****	REPIS ID		
<b>Total =&gt;</b>					-
<b>Class II Sources</b>					
Facility Name	Location	Plant ID Number	Plant ID Description	Fuel/Technology	MWh Delivered
		N*****	REPIS ID		
<b>Total =&gt;</b>					-
BGS - Basic Generation Service Provider					
TPS - Third Party Supplier					

# Class II REC Affidavit



## Class II Renewable Energy Certification Form

Reporting year: From \_\_\_\_\_ to \_\_\_\_\_  
Name of Facility: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Contact person: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

I \_\_\_\_\_ (print name), hold the position of \_\_\_\_\_ (position held) at the generation facility referenced above. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this affidavit and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I certify that the resource recovery facility described above, continues to operate in compliance with the requirements of the Department of Environmental Protection environmental compliance determination as issued on \_\_\_\_\_ (date).

Specifically, I certify that:

- The facility named above has continued to operate in conformity with the information provided in the original application for the environmental compliance determination, throughout the year since the DEP issued the determination;
- The operation and composition of fuel for the resource recovery facility continues to meet the criteria provided in the initial application;
- Where there has been a change in the operation of the facility or composition of fuel, a new environmental compliance determination has been issued by the DEP, and documentation is attached demonstrating that the resource recovery facility continues to operate in compliance with Class II renewable energy requirements.

Enclosed is a copy of the generator's current NJDEP sustainability determination or the generator's host-state air permit.

I certify under penalty of law the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including the possibility of fine and/or imprisonment.

\_\_\_\_\_  
(Signature) Date: \_\_\_\_\_

# NEXT STEPS

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- August 1- 10, 2018 – EDC to complete EY 18 Retail Sales Spreadsheet and return to OCE
- August 15, 2018 – OCE to email RPS Reconciliation Procedure Memo to EDC, BGS, TPS and post on the NJ Clean Energy Website
- August 15-29, 2018 – EDC, BGS, TPS complete and submit RPS reconciliation requests to OCE
- September 3-7, 2018 – OCE post final retail sales number based on GATS numbers and RPS reconciliation requests. Compliance instructions also emailed and posted
- Oct 1, 2018 – Compliance Reports Due

# ENVIRONMENTAL DISCLOSURE LABEL

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- Subchapter 3 – N.J.A.C 14:8-3.1
- Effective May 23, 2012
- Secretary's Letter
  - Instructions
  - Sample Label
- Label Due Dec. 1<sup>st</sup>
- EID Staff Straw – Released Date TBD
- <http://nj.gov/bpu/agenda/formsandapplications.html>

# COMPLIANCE INSTRUCTIONS -(EID)

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- Label must be distributed Yearly to Customers
- Covers Last EY (June 1 – May 31)
- Emission & Fuel Mix Info from GATS (PJM System Mix) or EPA (EGRID)
- Default info - PJM System Mix
- New Product or Environment Claim – Supply Data on Label
- Label Due Dec. 1, 2018

# SYSTEM MIX VERSUS RESIDUAL MIX

The screenshot shows the PJM EIS website interface. At the top, there is a navigation bar with three tabs: "Getting Started", "Program Information", and "Reports & Events". The "Reports & Events" tab is highlighted with a red box. Below the navigation bar, there is a breadcrumb trail: "Home > Reports & Events > Public Reports". On the left side, there is a sidebar with two main sections: "Public Reports" and "Events". The "Public Reports" section is highlighted with a red box. The main content area displays a list of public reports under the heading "Public Reports". The reports are organized into several categories: "Market Reports" (including Aggregator Listing, Broker Listing, GATS Generators, Renewable Generators Registered in GATS, Solar Weighted Average Price, Bulletin Board, Buyer's Bulletin Board, RPS Retired Certificates (Reporting Year), RPS Eligible Certificates by Status (Reporting Year), and Voluntary Market Retirement), "GATS Certificates Statistics" (including Monthly, Annual, and Reporting Year), "Reserved Certificate Transfers" (including Monthly and Annual), and "PJM System Mix" (including System Mix, Residual Mix, and Import System Mix). The "PJM System Mix" section is highlighted with a red box.

- Go to [www.pjm-eis.com](http://www.pjm-eis.com)
- Click on the Reports & Events Tab
- Click on Public Reports found on the left side
- Scroll down to the PJM System Mix section

**PJM System Mix -System Mix By Fuel - 01/2017 to 12/2017**

(Contribution to 1 MWh of System Mix emissions from each Fuel in lbs/MWh)

Report Parameters

From 01/2017 To 12/2017 Submit

Results

Note: Click on a heading label to sort the data.

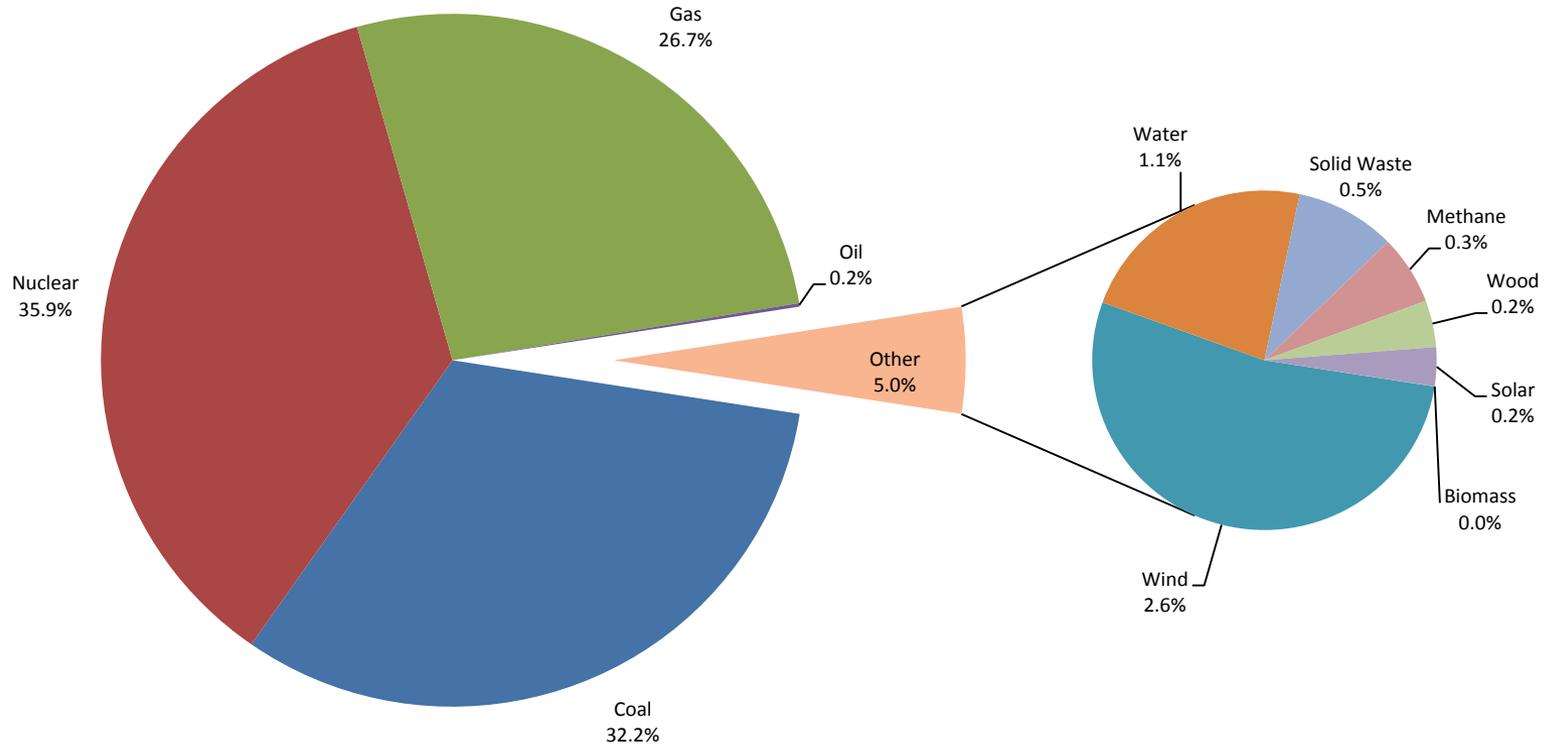
Create Filter

Drag a column header here to group by that column

Fuel	# of Certificates	Percentage By Fuel	Carbon Dioxide	Nitrogen Oxides	Sulphur Dioxides
Biomass - Other Biomass Gases	6,944	0.0009	0.0005	0.0000	0.0000
Captured Methane - Coal Mine Gas	174,422	0.0218	0.2534	0.0002	0.0000
Captured Methane - Landfill Gas	2,434,489	0.3043	0.3383	0.0332	0.0012
Coal - Bituminous and Anthracite	218,197,695	27.2697	573,2461	0.4823	0.5963
Coal - Sub-Bituminous	28,312,580	3.5384	80,4875	0.0544	0.1145
Coal - Waste/Other	11,298,702	1.4121	37,8107	0.0231	0.0536
Fuel Cell - Non-Renewable	226,664	0.0283	0.0000	0.0000	0.0000
Gas - Natural Gas	213,401,721	26.6702	238,4274	0.0453	0.0105
Gas - Other	314,490	0.0393	0.6546	0.0000	0.0000
Gas - Propane	260	0.0000	0.0009	0.0000	0.0000
Hydro - Conventional	9,018,062	1.1271	0.0000	0.0000	0.0000
Nuclear	287,461,082	36.9260	0.0000	0.0000	0.0000
Oil - Distillate Fuel Oil	152,409	0.0190	0.3665	0.0014	0.0004
Oil - Jet Fuel	271	0.0000	0.0007	0.0000	0.0000
Oil - Petroleum Coke	1,042,145	0.1302	3,6492	0.0011	0.0267
Oil - Residual Fuel Oil	101,142	0.0126	0.3179	0.0005	0.0014
Other	13,666	0.0017	0.0026	0.0000	0.0001
Solar - Photovoltaic	1,467,762	0.1834	0.0000	0.0000	0.0000
Solid Waste - Municipal Solid Waste	3,734,939	0.4688	11,0547	0.0193	0.0023
Solid Waste - Tire Derived Fuel	1,239	0.0002	0.0043	0.0000	0.0000
Wind	21,025,373	2.6277	0.0000	0.0000	0.0000
Wood - Black Liquor	308,906	0.0386	0.1956	0.0005	0.0029
Wood - Wood/Wood Waste Solids	1,453,764	0.1817	0.6161	0.0023	0.0004
<b>Total</b>	<b>800,148,957</b>	<b>100.0000</b>	<b>948.4270</b>	<b>0.6636</b>	<b>0.7893</b>

- Includes all PJM Generation
- Report is available monthly – range of months can be selected back to 2005
- Includes certificates being claimed by other parties

**PJM Fuel Mix - 2017**



## PJM Residual Mix - Year: 2017

### Report Parameters

Year

Results

Note: Click on a heading label to sort the data.

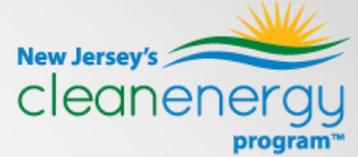
[Create Filter](#)

Drag a column header here to group by that column

Year	Fuel	# of Certificates	Fuel %	Carbon Dioxide	Nitrogen Oxides	Sulphur Dioxides
2017	Gas - Propane		260	0.0000	0.0010	0.0000
2017	Oil - Jet Fuel		271	0.0000	0.0007	0.0000
2017	Other		13,666	0.0018	0.0028	0.0000
2017	Oil - Residual Fuel Oil		101,142	0.0135	0.3392	0.0005
2017	Oil - Distillate Fuel Oil		152,409	0.0203	0.3910	0.0015
2017	Fuel Cell - Non-Renewable		226,664	0.0302	0.0000	0.0000
2017	Gas - Other		314,490	0.0419	0.6963	0.0000
2017	Hydro - Conventional		385,545	0.0515	0.0000	0.0000
2017	Oil - Petroleum Coke		1,042,145	0.1369	3.8927	0.0012
2017	Coal - Waste/Other		3,346,727	0.4462	9.5748	0.0029
2017	Import System Mix		13,467,336	1.7955	16.1406	0.0139
2017	Coal - Sub-Bituminous		26,312,580	3.7746	85.8601	0.1221
2017	Gas - Natural Gas		213,401,671	28.4505	255.4092	0.0483
2017	Coal - Bituminous and Anthracite		216,197,695	29.0699	611.5107	0.5145
2017	Nuclear		271,117,376	36.1452	0.0000	0.0000
<b>Total</b>			<b>750,080,579</b>	<b>100.0000</b>	<b>985.8211</b>	<b>0.6408</b>

- Does NOT include retired or banked certificates
- Report is available annually and available at the End of Trading Period (February)
- Very little renewables are included
- PJM Import System Mix is included

# Sample Environmental Label



## Environmental Disclosure for the Electricity Products of ("Company Name")

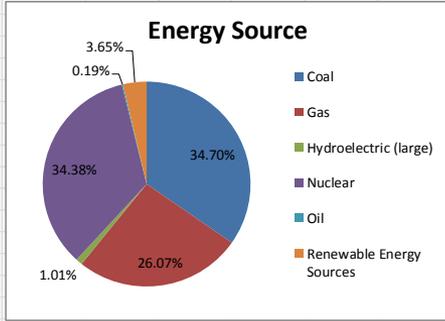
Electricity Supplied from June 1, 2016 to May 31, 2017

Electricity can be generated in a number of ways with different impacts on the environment. The standardized environmental information shown below allows you to compare this electricity product with electricity products offered by other electric suppliers. The data shown below are default values and do not necessarily reflect the energy that ("Company Name") will supply.

### Energy Source

("Company Name") relied on these energy resources to provide the electricity product.

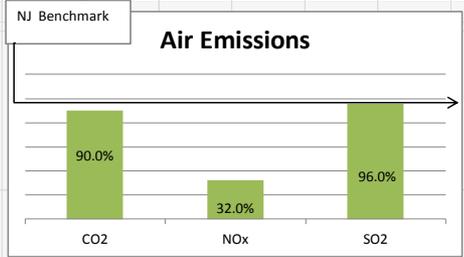
Coal	34.70%
Gas	26.07%
Hydroelectric (large)	1.01%
Nuclear	34.38%
Oil	0.19%
<b>Renewable Energy Sources</b>	
Captured methane gas	0.31%
Fuel cells	0.00%
Geothermal	0.00%
Hydroelectric (small)	0.00%
Solar	0.15%
Solid waste	0.49%
Wind	2.43%
Wood or other biomass	0.27%
<b>Total:</b>	<b>100.00%</b>
<b>Renewable Energy Sources Subtotal</b>	<b>3.65%</b>



### Air Emissions

The emission data given are default values and represent the average amount of air pollution associated with the generation of electricity in the region. This amount is compared to the New Jersey benchmark. The benchmark approximates the average emission rate for all electricity generation in New Jersey.

CO<sub>2</sub> is a "greenhouse gas" which may contribute to global climate change. NO<sub>x</sub> and SO<sub>2</sub> react to form acids found in acid rain. NO<sub>x</sub> also reacts to form ground level ozone, an unhealthy component of "smog."



Source	CO <sub>2</sub>	NO <sub>x</sub>	SO <sub>2</sub>
Total	90.0%	32.0%	96.0%

### Energy Conservation

("Company Name") is not investing in energy conservation measures for this electricity product. Energy conservation measures means less electricity needs to be generated and pollution is avoided.

Avoided Generation	Avoided Air Emissions
0 kWh	0 tons CO <sub>2</sub> 0 tons NO <sub>x</sub> 0 tons SO <sub>2</sub>

# Clean Energy Act of 2018

## Signed May 23, 2018



- Amended RPS and Net Metering in NJ
- Increased Class I Requirements; 1/1/20 - 21%, 1/1/25 – 35%, 1/1/30 – 50%
- Class I RPS Costs Caped at 9% of EY19, EY20, EY21 Electricity Sales & 7% thereafter
- Accelerated RPS Compliance Schedule for Solar in EY 19 - EY 21; 4.3%, 4.9%, 5.1%
- BGS Provider Existing Supply Contracts (Prior to 05/23/18) Exempt from new Solar Requirements
- No New SREC Registrations after attainment of 5.1% Solar kWh Sold vs Total Sales or SREC Registration Program to Close by June 1, 2021 - Develop New Program
- Revised and Reduced SACP Schedule - EY19 extended to EY 33
- Solar “Qualification Life” for certain projects reduced from 15 to 10 years



FOR MORE INFORMATION

**Visit** [www.NJCleanEnergy.com/RPS](http://www.NJCleanEnergy.com/RPS)

**Call** RONALD JACKSON, 1-609-633-9868,  
RONALD.JACKSON@BPU.NJ.GOV

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