



# Solar Market Update

## Renewable Energy Committee Meeting

May 12, 2016

**Applied Energy Group, Inc.**  
317 George Street, Suite 305  
New Brunswick, New Jersey 08901

**Presenters:**  
Mike Ambrosio, SVP  
Maura Watkins, Manager  
Tammy Vanblarcom, Manager

# INSTALLATION DATE REPORTING CHANGES

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- Previously the “Installation” date reported for the SRP program was a proxy date based on the date the registration was put into the internal status of QA/QC
- Going forward, the “Installation” date reported for the SRP program will be the Permission to Operate (PTO) date which is more accurate
- SRP did not start recording the PTO date until 2012. As a result, reporting documentation prior to 2012 will not be updated



## Installation Date- (continued)

- Due to the backlog of registrations under review, we are unable to accurately report on the number of solar installations, specifically for the 4<sup>th</sup> Quarter of 2015 and the 1<sup>st</sup> Quarter of 2016
- We anticipate that we will complete review of the backlog in June
- Going forward there will not be a correlation between previous installation statistics based on QA/QC and new installation statistics based on PTO

# PIPELINE DATA

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- Although the transition to the new on-line portal has gone well there have been some growing pains
- Some of the capacity data initially entered by registrants was documented incorrectly and must be manually adjusted by AEG staff.
- We are in the process of making the corrections but are unable to accurately report on pipeline capacity until this issue is resolved
- Working with Utilities to develop an interim solution based on PTO dates reported to AEG by Utilities. We hope to have their information by the end of May

# REPORTING PROCESS

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- Installation and pipeline data presented today will be limited to the Grid Supply projects but we are working to get additional information on BTM Installation and Pipeline data
- As new reports become available, details will be sent out through the list serve
- We recognize the importance of providing accurate and timely information regarding the SRP program and welcome feedback regarding the information presented at this meeting and on the NJCEP website

# SUMMARY OF GRID PROJECTS AS OF APRIL 30, 2016



	# of Projects Installed	Capacity Installed (KW)	# of Projects in Pipeline	Capacity in Pipeline (KW)	Total # of Projects	Total Capacity (KW)
<b>Subsection t</b>	5	60,232.74	5	44,381.06	10	104,613.80
<b>Subsection s</b>	4	18,531	4	36,000	8	54,531.14
<b>Subsection q</b>	19	115,503.98	15	97,983.77	34	213,487.75

BTM > 1 MW Projects will be added to this report upon resolution of issues discussed above

# STATUS OF PIPELINE PROJECTS: SUBSECTION Q MILESTONES 1Q 2016



Project Number	Milestone	Capacity (KW)	Est. Install Date	Energy Year
SRP25246	(4) Mounting system installation has begun	3,660.000	2Q 2016	EY2014
SRP21092	(6) Greater than 50% of solar panels installed	5,416.000	2Q 2016	EY2015
SRP21349	(5) Mounting System installed	3,326.000	2Q 2016	EY2015
SRP21362	(6) Greater than 50% of solar panels installed	6,500.000	2Q 2016	EY2015
SRP25256	(7) All equipment installed, system testing complete and request sent to EDC to test and authorize operation of system	10,000.000	2Q 2016	EY2015
SRP25268	(7) All equipment installed, system testing complete and request sent to EDC to test and authorize operation of system	9,457.000	2Q 2016	EY2015
SRP25270	(6) Greater than 50% of solar panels installed	9,457.000	2Q 2016	EY2015
SRP38812	(3) Interconnection Application approved	361.770	unknown	EY2015
SRP21361	(7) All equipment installed, system testing complete and request sent to EDC to test and authorize operation of system	7,150.000	3Q 2016	EY2016
SRP25261	(3) Interconnection Application approved	2,500.000	4Q 2016	EY2016
SRP25262	(3) Interconnection Application approved	10,000.000	2Q 2017	EY2016
SRP25265	(4) Mounting system installation has begun	10,000.000	4Q 2016	EY2016
SRP25266	(6) Greater than 50% of solar panels installed	9,999.000	2Q 2016	EY2016
SRP25272	(3) Interconnection Application approved	8,157.000	1Q S017	EY2016
SRP28394	(3) Interconnection Application approved	2,000.000	3Q 2016	EY2016
	<b>Total</b>	<b>97,983.770</b>		

Note: EY2014 and EY2015 registrations will expire on May 31, 2016, unless extended

# STATUS OF PIPELINE PROJECTS: SUBSECTION T MILESTONES 1Q 2016



Project Number	Milestone	Capacity	Est. Install Date
<b>SRP28630</b>	<b>(3) Interconnection Application approved</b>	<b>3,897.000</b>	<b>3Q 2016</b>
<b>SRP33910</b>	<b>(3) Interconnection Application approved</b>	<b>4,318.700</b>	<b>2Q 2016</b>
<b>SRP42661</b>	<b>not submitted</b>	<b>8,982.400</b>	<b>Exp. Date 8/5/17</b>
<b>SRP43515</b>	<b>(3) Interconnection Application approved</b>	<b>16,533.230</b>	<b>4Q 2016</b>
<b>SRP50107</b>	<b>(4) Mounting system installation has begun</b>	<b>10,649.730</b>	<b>3Q 2016</b>
	<b>total</b>	<b>44,381.060</b>	



# STATUS OF PIPELINE PROJECTS: SUBSECTION S MILESTONES 1Q 2016



Project Number	Milestone	Capacity (KW)	Est. Install Date
<b>SRP36677</b>	<b>(3) Interconnection Application approved</b>	<b>6,000.000</b>	<b>4Q 2016</b>
<b>SRP37267</b>	<b>(3) Interconnection Application approved</b>	<b>10,000.000</b>	<b>4Q 2016</b>
<b>SRP37268</b>	<b>(3) Interconnection Application approved</b>	<b>10,000.000</b>	<b>4Q 2016</b>
<b>SRP37269</b>	<b>(3) Interconnection Application approved</b>	<b>10,000.000</b>	<b>4Q 2016</b>
	<b>total</b>	<b>36,000.000</b>	

# SREC TRADING STATISTICS ENERGY YEAR 2016



## Current SREC Trading Statistics Energy Year 2016

For SRECs created from electricity produced during Energy Year 2016, June 1, 2015- May 31, 2016, or during Energy Years 2013, 2014 or 2015. SRECs eligible for use in NJ's RPS have vintage established by the Solar Act of 2012 but may only be retired once.

SRECs traded in EY2016			Monthly			Cumulative	
Month	Year	Active KW (DC)	Number of SREC issued	Number of SRECs Traded	Weighted Avg. Price per SREC	Number of SRECs Traded	Weighted Avg. Price per SREC
April	2016	1,576,134	170,165	166,728	\$ 225.57	1,870,930	\$ 226.18
March	2016	1,561,500	110,798	198,996	\$ 256.30	1,704,202	\$ 226.23
Feb	2016	1,540,516	97,859	132,982	\$ 255.02	1,505,206	\$ 222.26
Jan	2016	1,514,336	76,018	308,212	\$ 243.95	1,372,224	\$ 219.08
Dec	2015	1,501,767	104,547	306,713	\$ 231.46	1,064,012	\$ 211.88
Nov	2015	1,475,928	141,713	145,921	\$ 218.47	757,299	\$ 203.95
Oct	2015	1,464,802	158,205	310,438	\$ 209.63	611,378	\$ 200.49
Sept	2015	1,448,150	202,528	208,071	\$ 190.08	300,940	\$ 191.06
Aug	2015	1,436,723	185,530	92,869	\$ 193.25	92,869	\$ 193.25
July	2015	1,430,311	153,510	4,523	\$ 164.40	0	\$ 164.40
<b>Total</b>			<b>1,400,873</b>	<b>1,875,453</b>			

EY 2016 SACP= \$323.

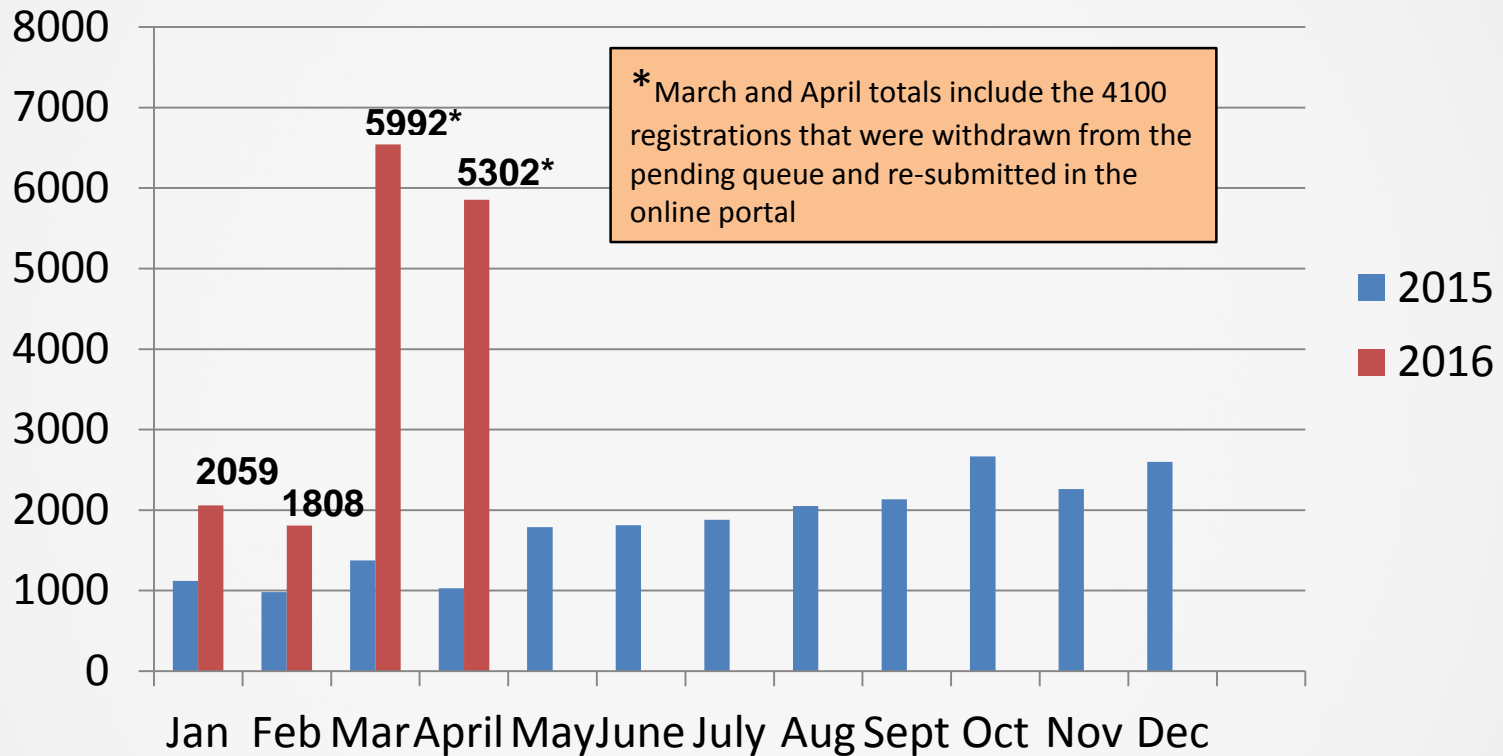
Due to low trade volume, the July 2015 trades are reported with the pricing data from the previous Energy Year

Note: Information reported prior to March 2016 based on historical reports



# SRP Program Operations Update

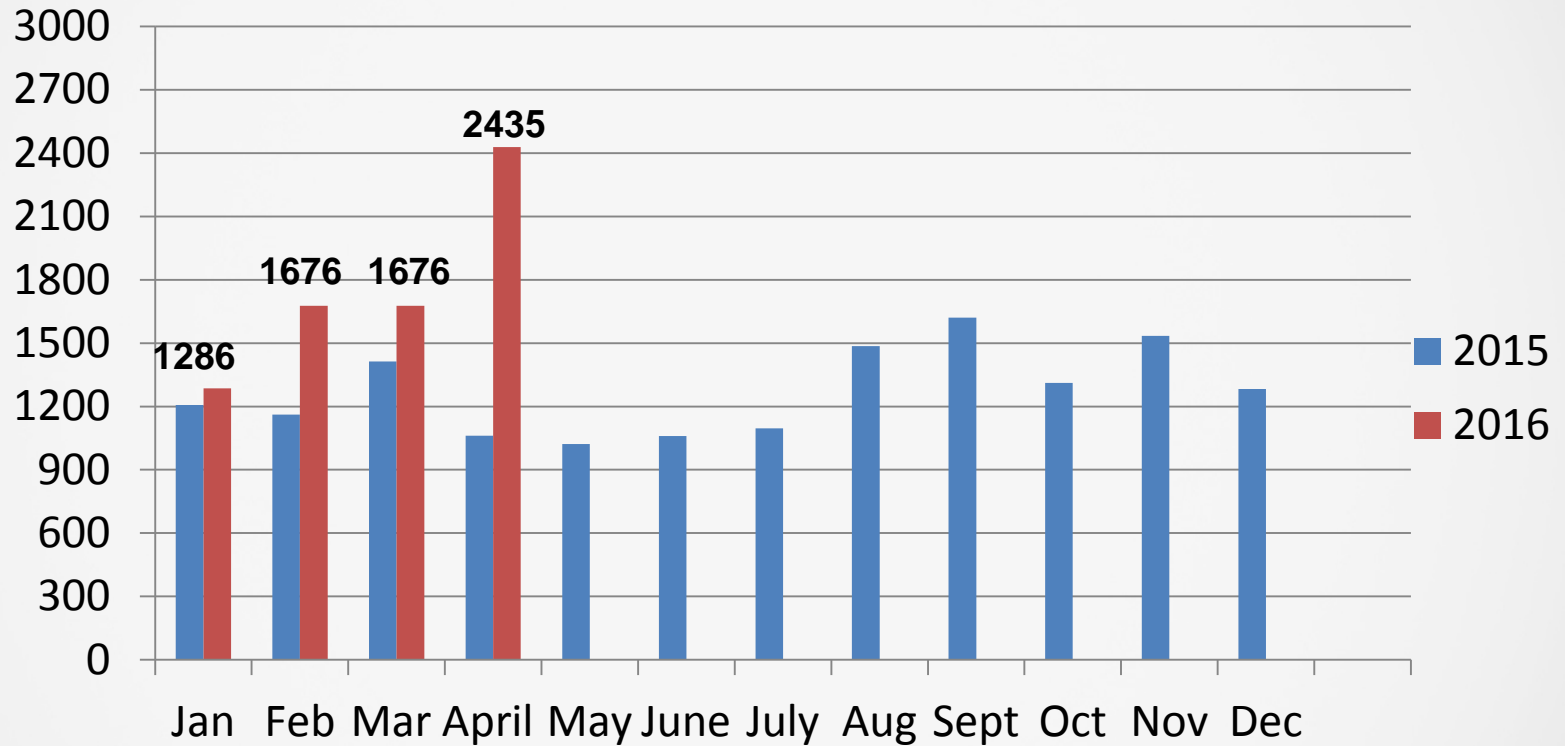
# SRP Registration Trend



**SRP Paper Registrations –Reviewed up thru 2/2**

**SRP Registrations Portal –Reviewed up thru 3/16**

# SRP Acceptance Letter Issued

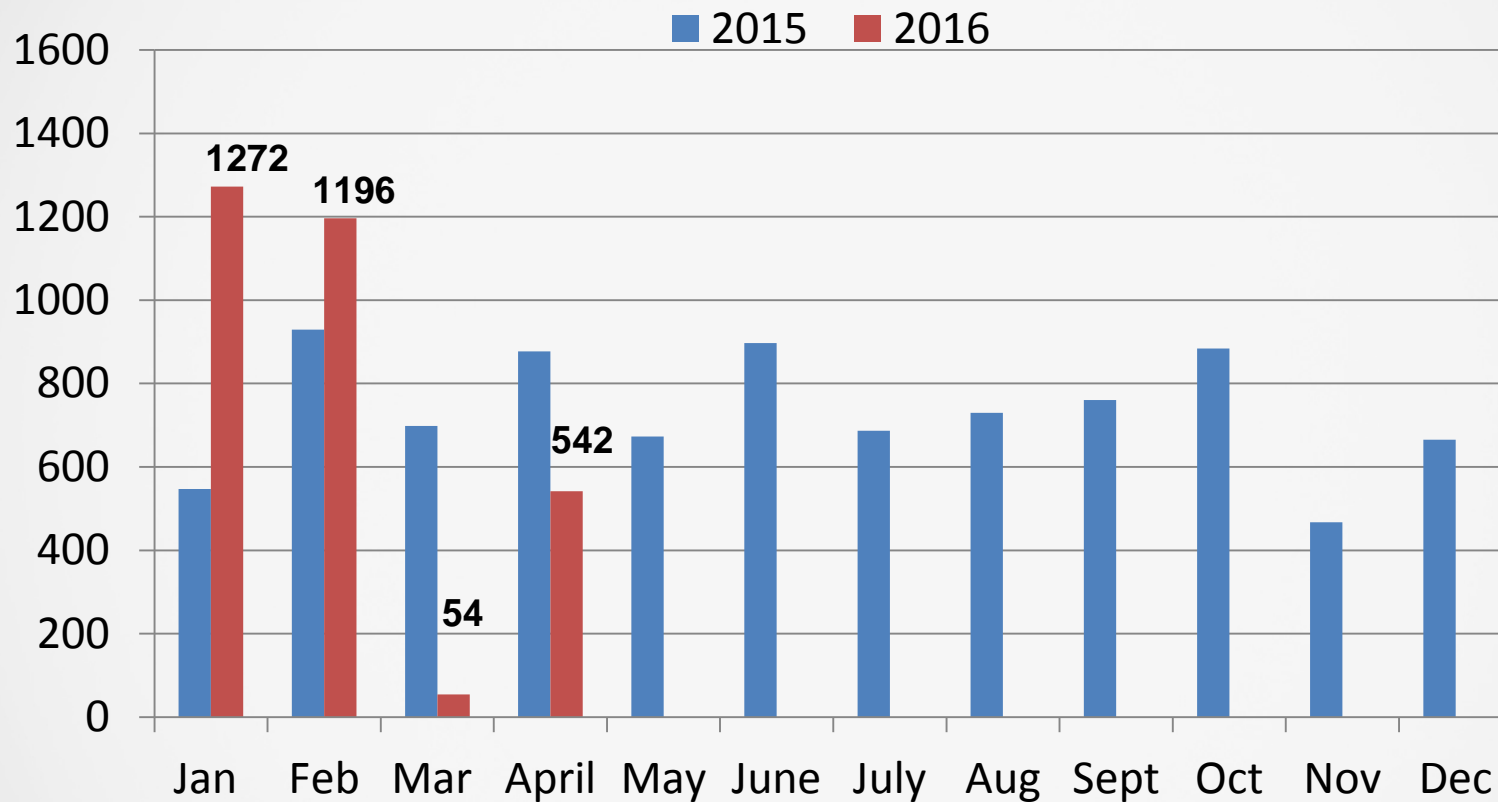


# Completions NJ Certification Numbers Issued



## Completed YTD Totals

**2015-8883**  
**2016-3064**



### Final As-Built Packets submitted in April

- Portal 385
- Paper 1204
- Total 1589

**Note:** AEG was unable to process any Final As-Built packets until 3/28 once historical data was uploaded into IT system



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