



## **2014/2015 RPM Third Incremental Auction Results**

### **Introduction**

This document provides information for PJM stakeholders regarding the results of the 2014/2015 Reliability Pricing Model (RPM) Third Incremental Auction. Incremental Auctions provide both a forum for capacity suppliers to purchase replacement capacity, and a means for PJM to adjust previously committed capacity levels due to Reliability Requirement increases or decreases combined with the appropriate share of the deferred Short-Term Resource Procurement Target.

The 2014/2015 Third Incremental Auction opened on February 24, 2014 and the results were posted on March 7, 2014. This document begins with a high level summary of the Incremental Auction results followed by sections containing detailed descriptions of the configuration and results of the 2014/2015 Third Incremental Auction.

### **Summary of 2014/2015 RPM Third Incremental Auction Results**

Table 1 summarizes the clearing prices and cleared participant activity of the 2014/2015 Third Incremental Auction. The Third Incremental Auction cleared with unique prices in three regions of the RTO. Price separation occurred due to locational capacity import limits; however, no price separation occurred across the capacity product types. In the PS-NORTH LDA, the resource clearing price for Limited, Extended Summer and Annual capacity was \$256.76/MW-Day for all three capacity product types. In the MAAC region outside of the PS-NORTH LDA, which is comprised of the AECO, BGE, DPL, JCPL, Met-Ed, PECO, Penelec, PEPCO, PPL, PSEG (outside of PS-NORTH LDA) and RECO Zones, the resource clearing price for Limited, Extended Summer and Annual capacity was \$132.20/MW-Day for all three capacity product types. In the rest of the RTO, which is comprised of the AEP, APS, ATSI, ComEd, Dayton, DEOK, DOM, EKPC and Duquesne Zones, the resource clearing price for Limited, Extended Summer and Annual capacity was \$25.51/MW-Day for all three capacity product types.

Across the entire RTO, total cleared participant sell offers (3,977.8 MW) exceeded total cleared participant buy bids (2,682.3 MW) by 1,295.5 MW; participants sold a total net capacity amount of 1,295.5 MW meaning that PJM procured an additional 1,295.5 MW of capacity. Across the entire RTO, PJM effectively released 493.4 MW of previously procured Limited DR capacity, released 12.1 MW of previously procured Extended Summer DR capacity, and procured an additional 1,801.0 MW of capacity from Annual Resources.



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**Table 1 – Summary of 2014/2015 Third Incremental Auction Results**

Region	Capacity Type	Clearing Price (\$/MW-Day)	Cleared Participant Sell Offers (UCAP MW)	Cleared Participant Buy Bids (UCAP MW)	Net Cleared Participant Buy Bids (UCAP MW)
<b>RTO (minus MAAC) <sup>(1)</sup></b>	Limited	\$25.51	229.5	452.6	223.1
	Summer Extended	\$25.51	203.1	6.0	-197.1
	Annual	\$25.51	2,084.8	750.2	-1,334.6
	<b>TOTAL</b>	--	<b>2,517.4</b>	<b>1,208.8</b>	<b>-1,308.6</b>
<b>MAAC (minus PS-NORTH) <sup>(2)</sup></b>	Limited	\$132.20	95.8	274.1	178.3
	Summer Extended	\$132.20	0.0	126.1	126.1
	Annual	\$132.20	1,082.5	888.0	-194.5
	<b>TOTAL</b>	--	<b>1,178.3</b>	<b>1,288.2</b>	<b>109.9</b>
<b>PS-NORTH</b>	Limited	\$256.76	0.0	92.0	92.0
	Summer Extended	\$256.76	0.0	83.1	83.1
	Annual	\$256.76	282.1	10.2	-271.9
	<b>TOTAL</b>	--	<b>282.1</b>	<b>185.3</b>	<b>-96.8</b>
<b>TOTAL RTO</b>	Limited	--	325.3	818.7	493.4
	Summer Extended	--	203.1	215.2	12.1
	Annual	--	3,449.4	1,648.4	-1,801.0
	<b>TOTAL</b>	--	<b>3,977.8</b>	<b>2,682.3</b>	<b>-1,295.5</b>

(1) Comprised of AEP, APS, ComEd, Dayton, DEOK, DOM, EKPC and Duquesne Zones

(2) Comprised of AECO, BGE, DPL, JCPL, Met-Ed, PECO, Penelec, PEPCO, PPL, PSEG (excluding PS-North sub-zone) and RECO Zones



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### **2014/2015 RPM Third Incremental Auction Configuration**

#### **Participant Buy Bids and Sell Offers**

RPM Incremental Auctions provide capacity suppliers with an opportunity to sell or purchase capacity for the Delivery Year through a PJM-administered auction process. Resource-specific sell offers are submitted into this auction by suppliers with available, uncommitted capacity. All generation sell offers into an Incremental Auction are subject to market power mitigation through the application of the Market Structure Test. All Generation Capacity Resources and Energy Efficiency Resources are of the Annual Capacity type. Demand Resources offering into the Incremental Auction must specify the type of Capacity being offered. A Demand Resource with the potential to qualify as two or more of the capacity types may submit separate but coupled Sell Offers for each Demand Resource type for which it qualifies at different prices and the auction clearing algorithm will select the Sell Offer that yields the least-cost solution. For such coupled Demand Resource offers, the offer price of an Annual Demand Resource offer must be at least \$.01 per MW-day greater than the offer price of a coupled Extended Summer Demand Resource offer and the offer price of a Extended Summer Demand Resource offer must be at least \$.01 per MW-day greater than the offer price of a coupled Limited Demand Resource offer.

Any party that desires to purchase replacement capacity for the Delivery Year may do so by submitting a buy bid into the Incremental Auction. In addition to quantity, price and LDA-specific location, participants submitting a buy bid must also specify the desired capacity type (Annual, Extended Summer or Limited). Cleared Buy Bids purchased in an Incremental Auction may be used as replacement capacity to cover a Delivery Year commitment provided the cleared buy bid has the same locational characteristics and same or better temporal characteristics than the resource that it replaces. Cleared buy bids of Annual capacity type may replace commitments of Annual Resources, Extended Summer DR and/or Limited DR. Cleared buy bids of Extended Summer capacity type may replace commitments on Extended Summer DR and/or Limited DR but may not replace commitments of Annual Resources. Cleared buy bids of Limited capacity type may replace commitments of Limited DR but may not replace commitments of Annual Resources or Extended Summer DR.

#### **PJM Buy Bids and Sell Offers**

Sections 5.4 and 5.12 of Attachment DD of the Tariff define the Incremental Auction requirements regarding the procurement or sale of capacity by PJM. Section 5.4 describes the triggering tests used by PJM prior to an Incremental Auction to determine the need for the procurement and/or sale of capacity by PJM in relation to updates of the Reliability Requirement and capacity already procured. Section 5.12 describes the determination of the MW quantities, capacity types and prices of buy bids and/or sell offers that PJM will submit when the various tests in section 5.4 are triggered.

Prior to each Incremental Auction, PJM recalculates the Reliability Requirement, Minimum Annual Resource Requirement and Minimum Extended Summer Resource Requirement for the RTO and each LDA based on an updated peak load forecast, updated



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Installed Reserve Margin and an updated Capacity Emergency Transfer Objective (CETO). For the RTO and each LDA, PJM sums the following component quantities to determine the total quantity that it will seek to procure or release in each Incremental Auction:

- the Updated Reliability Requirement minus the Reliability Requirement utilized in the most recent prior auction conducted for that Delivery Year. Note that this quantity is negative if the Updated Reliability Requirement is less than the Reliability Requirement utilized in the most recent prior auction. For a 1st or 2nd Incremental Auction, this difference is only considered if the change in Reliability Requirement is greater than the lesser of 500 MW or 1% of the prior auction's Reliability Requirement,
- plus the Short-Term Resource Procurement Target Applicable Share (STRPTAS). For a 1st or 2nd Incremental Auction, the STRPTAS is equal to 0.2 times the Short-Term Resource Procurement Target (STRPT) used in the Base Residual Auction (BRA). For a 3<sup>rd</sup> Incremental Auction, the STRPTAS is equal to 0.6 times the STRPT used in the BRA,
- plus/minus the amount of committed capacity that PJM sought to procure/release that did not clear in previous Incremental Auctions for the same Delivery Year,
- minus any capacity PJM seeks to release in a parent LDA as a result of any Conditional Incremental Auction commitments for the same Delivery Year.

If the result of such summation is a positive quantity, PJM will seek to procure such quantity by employing a PJM buy bid. The price of the PJM buy bid is based on the Updated VRR Curve Increment which is the portion of the Updated VRR Curve located to the right of the point representing all capacity already procured for the Delivery year. If previously procured levels of Annual Resources and Extended Summer DR are short of the updated Minimum Annual and Extended Summer Resource Requirements then the PJM buy bid may be broken into multiple, smaller buy bids of the capacity types needed to make up any shortage. If no shortage exists then the PJM buy bid will be of the Limited capacity type.

If the result of such summation is a negative quantity, PJM will seek to release such quantity by employing a PJM sell offer. The price of the PJM sell offer is based on the Updated VRR Curve Decrement which is the portion of the Updated VRR curve to the left of the point representing all capacity already procured for the Delivery year. The capacity type of a PJM sell offer is determined in a manner such that PJM will not release prior committed capacity from Annual Resources and Extended Summer DR below the updated Minimum Annual and Extended Summer Resource Requirements.

Based on an application of the Incremental Auction requirements of Sections 5.4 and 5.12 of Attachment DD of the Tariff and summarized above, PJM submitted the buy bids and sell offers, shown in Table 2, into the 3<sup>rd</sup> Incremental Auction for the 2014/2015



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Delivery Year<sup>1</sup>. Note that a PJM sell offer is indicated by a negative PJM buy bid in Table 2 and that PJM submitted sell offers for the 3<sup>rd</sup> Incremental Auction for the 2014/2015 Delivery Year in PEPCO, PS (Rest Of), and SWMAAC (Rest Of). All PJM sell offers were of the Annual capacity type and the PJM buy bids were for Limited capacity. Table 2 also defines the pricing points associated with the PJM buy bids and PJM sell offers.

**Table 2 – PJM Buy Bids and PJM Sell Offers for 2014/2015 Third Incremental Auction**

Location	Change in Reliability Requirement (MW)	STRPT (MW)	Uncleared PJM Buy Bids from Prior IA (MW)	PJM Buy Bid		Price Points for PJM Buy Bids and PJM Sell Offers							
				(MW)*	Capacity Type	Point 1	Point 2	Point 3	Point 4				
						x-axis (MW)	y-axis (\$/MW-Day)	x-axis (MW)	y-axis (\$/MW-Day)	x-axis (MW)	y-axis (\$/MW-Day)	x-axis (MW)	y-axis (\$/MW-Day)
RTO (Rest of)	93.3	1,224.5	0.0	1317.8	Limited	0.0	\$196.40	1317.8	\$122.80	--	--	--	--
MAAC (Rest of)	10.0	220.9	0.0	230.9	Limited	0.0	\$133.66	230.9	\$114.79	--	--	--	--
EMAAC (Rest of)	-273.6	330.9	-40.0	17.3	Limited	0.0	\$145.54	17.3	\$142.63	--	--	--	--
SWMAAC (Rest of)	-44.4	120.1	-108.1	-32.4	Annual	0.0	\$0.00	11.0	\$0.00	11.0	\$48.24	32.4	\$55.56
PS (Rest of)	81.5	96.3	-184.7	-6.9	Annual	0.0	\$180.40	6.9	\$183.92	--	--	--	--
PS NORTH	-17.3	80.4	74.6	137.7	Limited	0.0	\$324.40	79.5	\$274.20	137.7	\$215.39	--	--
DPL SOUTH	13.5	38.4	0.0	51.9	Limited	0.0	\$234.81	51.9	\$127.20	--	--	--	--
PEPCO	-213.0	113.4	-71.7	-171.3	Annual	0.0	\$0.00	66.0	\$0.00	66.0	\$48.24	171.3	\$116.93
<b>TOTAL</b>	<b>-350.0</b>	<b>2,224.9</b>	<b>-329.9</b>	<b>1,545.0</b>									

\* A PJM Sell Offer is indicated by a negative PJM Buy Bid.

<sup>1</sup> The determination of the PJM buy bid sell offer quantities is detailed in the 2014/2015 3<sup>rd</sup> IA Planning Parameters located at <http://pjm.com/~media/markets-ops/rpm/rpm-auction-info/2014-2015-3rd-incremental-auction-planning-parameters.ashx>.



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### LDA Capacity Import Limits

Section 5.11A of Attachment DD of the Tariff describes the milestones that a Backbone Transmission Project must meet for it to be included and remain in the system model for a given Delivery Year. Based on an application of these milestone requirements, no changes have been made to the 2014/2015 system model prior to the 3<sup>rd</sup> Incremental Auction; therefore the LDA Capacity Emergency Transfer Limit (CETL) values used for the 3<sup>rd</sup> Incremental Auction are the same as those used in the 2<sup>nd</sup> Incremental Auction. The Jacks Mountain 500 kV substation (and associated reactive reinforcements), the Conemaugh 500 kV capacitor and the Keystone-Conemaugh wavetraps were removed from the 2014/2015 Delivery Year model prior to the 1<sup>st</sup> Incremental Auction.

Table 3 shows each LDA's CETL limits for the Base Residual Auction and each LDA's CETL as updated for each Incremental Auction for the 2014/2015 Delivery Year. The CETL remaining for use in the 3<sup>rd</sup> IA for the 2014/2015 Delivery Year shown in the last row of Table 3 represents the LDA capacity import limits that were employed in the 3<sup>rd</sup> IA for the 2014/2015 Delivery Year and are equal to the LDA CETL as updated for the 3<sup>rd</sup> IA minus the total capacity import levels into the LDA.

**Table 3 – LDA Capacity Import Capability for 2014/2015 Third Incremental Auction**

	LDA						
	MAAC	EMAAC	SWMAAC	PS	PS NORTH	DPL SOUTH	PEPCO
Base Residual Auction (BRA) CETL	5,694.0	8,189.0	7,718.5	5,720.7	2,372.0	1,925.0	5,606.3
1st Incremental Auction (IA) CETL *	5,467.0	7,871.0	7,686.0	5,720.7	2,372.0	1,925.0	5,576.0
2nd Incremental Auction (IA) CETL	5,467.0	7,871.0	7,686.0	5,720.7	2,372.0	1,925.0	5,576.0
3rd Incremental Auction (IA) CETL	5,467.0	7,871.0	7,686.0	5,720.7	2,372.0	1,925.0	5,576.0
Capacity Import Level (BRA + 1st IA + 2nd IA Imports)	5,476.2	7,845.5	6,021.6	5,410.6	2,372.0	1,838.5	3,742.7
<b>Capacity Import Limit for 3rd Incremental Auction</b>	<b>-9.2</b>	<b>25.5</b>	<b>1,664.4</b>	<b>310.1</b>	<b>0.0</b>	<b>86.5</b>	<b>1,833.3</b>

\* reflects removal of following backbone projects from 2014/2015 model: Jacks Mountain 500 kV substation (and associated reactive reinforcement), Conemaugh 500 kV capacitor and Keystone-Conemaugh 500 kV wavetraps replacement



## **2014/2015 RPM Third Incremental Auction Results**

### **Incremental Auction Clearing**

Participant supply offers and buy bids are combined with the PJM sell offers and buy bids shown in Table 2 to form the supply and demand curves. The solution algorithm clears all buy bids and sell offers in a least-cost manner while respecting the capacity import limits into each LDA<sup>2</sup>. Annual capacity buy bids may only clear against sell offers from Annual Resources; Extended Summer buy bids may only clear against sell offers from Annual Resources and/or Extended Summer DR; and Limited buy bids may clear against sell offers of any capacity type.

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<sup>2</sup> To the extent possible, negative capacity import limits are resolved through the clearing of additional supply offers located in the constrained-side area of each transfer limit coupled with the clearing of an equal and off-setting amount of buy bids located in the unconstrained-side area of each transfer limit. Capacity transfers are forced from child LDA to parent LDA in order to resolve the negative capacity import limit but only if the cost to achieve the transfer is less than a predetermined cost threshold. The cost threshold assigned to each negative transfer limit is based on the price at the intersection of the updated VRR curve of the LDA with the level of previously procured capacity for the LDA adjusted by the quantity of the negative capacity import limit. Once the cost threshold is reached, the algorithm will no longer force the transfer even if the full desired capacity transfer was not accomplished and the constraint is relaxed even if continued transfers are available but at a higher cost.



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### 2014/2015 RPM Third Incremental Auction Results

#### **Auction Clearing Prices**

Table 4 summarizes the clearing prices of the 2014/2015 Third Incremental Auction. The Third Incremental Auction cleared with unique prices in three regions of the RTO. Price separation occurred due to locational capacity import limits; however, no price separation occurred across the capacity product types. In the PS-NORTH LDA, the resource clearing price for Limited, Extended Summer and Annual capacity was \$256.76/MW-Day. In the MAAC region outside of the PS-NORTH LDA, which is comprised of the AECO, BGE, DPL, JCPL, Met-Ed, PECO, Penelec, PEPCO, PPL, PSEG (outside of PS-NORTH LDA) and RECO Zones, the resource clearing price for Limited, Extended Summer and Annual capacity was \$132.20/MW-Day. In the rest of the RTO, which is comprised of the AEP, APS, ATSI, ComEd, Dayton, DEOK, DOM, EKPC and Duquesne Zones, the resource clearing price for Limited, Extended Summer and Annual capacity was \$25.51/MW-Day.

**Table 4 – Auction Clearing Prices by LDA and Product Type**

Region	Clearing Price (\$/MW-Day)		
	Limited	Extended Summer	Annual
RTO (minus MAAC) <sup>(1)</sup>	\$25.51	\$25.51	\$25.51
MAAC (minus PS-NORTH) <sup>(2)</sup>	\$132.20	\$132.20	\$132.20
PS-NORTH	\$256.76	\$256.76	\$256.76

(1) Comprised of AEP, APS, ComEd, Dayton, DEOK, DOM, EKPC and Duquesne Zones

(2) Comprised of AECO, BGE, DPL, JCPL, Met-Ed, PECO, Penelec, PEPCO, PPL, PSEG (excluding PS-North sub-zone) and RECO Zones





## 2014/2015 RPM Third Incremental Auction Results

### Participant Buy Bids and Sell Offers

Table 5 shows the offered and cleared quantities for participant sell offers. A total of 5,469.8 MW of supply was offered into the Third Incremental Auction composed of uncleared capacity from prior 2014/2015 auctions and new capacity in the form of uprates or new resources that were not previously capacity resources in PJM. Across the entire RTO, 3,977.8 MW of participant sell offers cleared mostly in the form of Annual capacity.

**Table 5 – Participant Sell Offers (Offered and Cleared Quantities)**

LDA	Sell Offers (UCAP MW) *				Cleared Sell Offers (UCAP MW)			
	Limited	Summer Extended	Annual	Total	Limited	Summer Extended	Annual	Total
DPL-SOUTH	0.0	0.0	61.8	61.8	0.0	0.0	61.8	61.8
PS-NORTH	0.0	0.0	288.0	288.0	0.0	0.0	282.1	282.1
PSEG (rest of)	0.2	0.0	66.3	66.5	0.2	0.0	65.2	65.4
EMAAC (rest of)	38.0	0.0	715.1	753.1	27.6	0.0	618.1	645.7
<b>EMAAC Total</b>	<b>38.2</b>	<b>0.0</b>	<b>1,131.2</b>	<b>1,169.4</b>	<b>27.8</b>	<b>0.0</b>	<b>1,027.2</b>	<b>1,055.0</b>
PEPCO	18.3	0.0	7.5	25.8	7.9	0.0	7.5	15.4
SWMAAC (rest of)	3.5	0.0	138.6	142.1	3.5	0.0	138.6	142.1
<b>SWMAAC Total</b>	<b>21.8</b>	<b>0.0</b>	<b>146.1</b>	<b>167.9</b>	<b>11.4</b>	<b>0.0</b>	<b>146.1</b>	<b>157.5</b>
MAAC (rest of)	69.2	0.0	304.7	373.9	56.6	0.0	191.3	247.9
<b>MAAC Total</b>	<b>129.2</b>	<b>0.0</b>	<b>1,582.0</b>	<b>1,711.2</b>	<b>95.8</b>	<b>0.0</b>	<b>1,364.6</b>	<b>1,460.4</b>
RTO (rest of)	359.0	235.1	3,164.5	3,758.6	229.5	203.1	2,084.8	2,517.4
<b>RTO Total</b>	<b>488.2</b>	<b>235.1</b>	<b>4,746.5</b>	<b>5,469.8</b>	<b>325.3</b>	<b>203.1</b>	<b>3,449.4</b>	<b>3,977.8</b>

\* Sell Offers include the MW amounts offered from all Product Types of coupled DR sell offers, only one of which is capable of clearing in the auction.



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Participant demand in an Incremental Auction is composed of buy bids submitted by participants. The buy bids are specified in UCAP terms and, if cleared, are binding commitments to purchase capacity for the entire Delivery Year. Cleared Buy Bids purchased in an Incremental Auction may be used as replacement capacity to cover Delivery Year commitment and compliance shortfalls. Table 6 shows offered and cleared quantities of participant buy bids. There was a total of 6,937.4 MW of buy bids submitted by participants into the auction. Across the entire RTO, 2,682.3 MW of participant buy bids cleared comprised of 818.7 MW of Limited capacity buy bids, 215.2 MW of Extended Summer buy bids and 1,648.4 MW of Annual capacity buy bids.

**Table 6 – Participant Buy Bids (Bid and Cleared Quantities)**

LDA	Buy Bids (UCAP MW)				Cleared Buy Bids (UCAP MW)			
	Limited	Summer Extended	Annual	Total	Limited	Summer Extended	Annual	Total
DPL-SOUTH	1.6	0.0	4.8	6.4	1.0	0.0	4.8	5.8
PS-NORTH	197.3	88.1	22.8	308.2	92.0	83.1	10.2	185.3
PSEG (rest of)	36.3	3.3	3.3	42.9	10.6	3.3	3.3	17.2
EMAAC (rest of)	84.5	17.1	391.0	492.6	14.4	4.1	214.0	232.5
<b>EMAAC Total</b>	<b>319.7</b>	<b>108.5</b>	<b>421.9</b>	<b>850.1</b>	<b>118.0</b>	<b>90.5</b>	<b>232.3</b>	<b>440.8</b>
PEPCO	4.6	36.6	13.4	54.6	0.0	36.6	13.4	50.0
SWMAAC (rest of)	16.9	76.5	123.6	217.0	0.0	76.5	33.7	110.2
<b>SWMAAC Total</b>	<b>21.5</b>	<b>113.1</b>	<b>137.0</b>	<b>271.6</b>	<b>0.0</b>	<b>113.1</b>	<b>47.1</b>	<b>160.2</b>
MAAC (rest of)	388.1	5.6	1,499.4	1,893.1	248.1	5.6	618.8	872.5
<b>MAAC Total</b>	<b>729.3</b>	<b>227.2</b>	<b>2,058.3</b>	<b>3,014.8</b>	<b>366.1</b>	<b>209.2</b>	<b>898.2</b>	<b>1,473.5</b>
RTO (rest of)	462.9	6.0	3,453.7	3,922.6	452.6	6.0	750.2	1,208.8
<b>RTO Total</b>	<b>1,192.2</b>	<b>233.2</b>	<b>5,512.0</b>	<b>6,937.4</b>	<b>818.7</b>	<b>215.2</b>	<b>1,648.4</b>	<b>2,682.3</b>



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Table 7 provides a further breakdown of the capacity offered and cleared into the 2014/2015 Third Incremental Auction. A total of 5,469.8 MW of supply was offered into the Third Incremental Auction composed of uncleared capacity from prior 2014/2015 auctions, new capacity in the form of uprates or new resources that were not previously capacity resources in PJM.

**Table 7 - 2014/2015 Third Incremental Auction Supply Resource Mix**

Resource Type	Type	Total Sell Offers (MW UCAP)	Cleared Sell Offers (MW UCAP)
DEMAND	DEMAND	736.0	541.1
EE	EE	56.3	55.8
GEN	New Generation (including Uprates)	401.9	293.3
	Uncleared from Prior Auction	4,275.6	3,087.6
		<b>5,469.8</b>	<b>3,977.8</b>



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### PJM Buy Bids and Sell Offers

The total net amount of capacity procured or released by PJM is a function of the clearing of the PJM sell offers and buy bids. Tables 8a and 8b show the offered and cleared quantities of PJM sell offers and PJM buy bids, respectively, employed in the 2014/2015 Third Incremental Auction. For the 2014/2015 Third Incremental Auction, across the entire RTO region, cleared PJM sell offers totaled 203.7 MW and cleared PJM buys bids totaled 1,499.2 MW therefore PJM procured a total net capacity amount of 1,295.5 MW.

**Table 8a – PJM Sell Offers (Offered and Cleared Quantities)**

LDA	Sell Offers (UCAP MW)				Cleared Sell Offers (UCAP MW)			
	Limited	Extended Summer	Annual	Total	Limited	Summer Extended	Annual	Total
DPL-SOUTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PS-NORTH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSEG (rest of)	0.0	0.0	6.9	6.9	0.0	0.0	0.0	0.0
EMAAC (rest of)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>EMAAC Total</b>	<b>0.0</b>	<b>0.0</b>	<b>6.9</b>	<b>6.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
PEPCO	0.0	0.0	171.3	171.3	0.0	0.0	171.3	171.3
SWMAAC (rest of)	0.0	0.0	32.4	32.4	0.0	0.0	32.4	32.4
<b>SWMAAC Total</b>	<b>0.0</b>	<b>0.0</b>	<b>203.7</b>	<b>203.7</b>	<b>0.0</b>	<b>0.0</b>	<b>203.7</b>	<b>203.7</b>
MAAC (rest of)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>MAAC Total</b>	<b>0.0</b>	<b>0.0</b>	<b>210.6</b>	<b>210.6</b>	<b>0.0</b>	<b>0.0</b>	<b>203.7</b>	<b>203.7</b>
RTO (rest of)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>RTO Total</b>	<b>0.0</b>	<b>0.0</b>	<b>210.6</b>	<b>210.6</b>	<b>0.0</b>	<b>0.0</b>	<b>203.7</b>	<b>203.7</b>



## 2014/2015 RPM Third Incremental Auction Results

Table 8b – PJM Buy Bids (Bid and Cleared Quantities)

LDA	Buy Bids (UCAP MW)				Cleared Buy Bids (UCAP MW)			
	Limited	Extended Summer	Annual	Total	Limited	Summer Extended	Annual	Total
DPL-SOUTH	51.9	0.0	0.0	51.9	49.5	0.0	0.0	49.5
PS-NORTH	137.7	0.0	0.0	137.7	96.8	0.0	0.0	96.8
PSEG (rest of)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMAAC (rest of)	17.3	0.0	0.0	17.3	17.3	0.0	0.0	17.3
<b>EMAAC Total</b>	<b>206.9</b>	<b>0.0</b>	<b>0.0</b>	<b>206.9</b>	<b>163.6</b>	<b>0.0</b>	<b>0.0</b>	<b>163.6</b>
PEPCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SWMAAC (rest of)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>SWMAAC Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
MAAC (rest of)	230.9	0.0	0.0	230.9	17.8	0.0	0.0	17.8
<b>MAAC Total</b>	<b>437.8</b>	<b>0.0</b>	<b>0.0</b>	<b>437.8</b>	<b>181.4</b>	<b>0.0</b>	<b>0.0</b>	<b>181.4</b>
RTO (rest of)	1,317.8	0.0	0.0	1,317.8	1,317.8	0.0	0.0	1,317.8
<b>RTO Total</b>	<b>1,755.6</b>	<b>0.0</b>	<b>0.0</b>	<b>1,755.6</b>	<b>1,499.2</b>	<b>0.0</b>	<b>0.0</b>	<b>1,499.2</b>

### Mitigation in the 2014/2015 Third Incremental Auction

All regions of the RTO, including the RTO as a whole, failed the Market Structure Test. As a result, mitigation was applied to all existing generation resources in the execution of the RPM auction clearing. Therefore in the event a generator’s price-based offer exceeded the calculated offer cap, cost-based offers were utilized in the RPM auction clearing. Demand Resources and Energy Efficiency Resources are not subject to market mitigation.