

Appendix – Errata

Section 3, Energy Market

Change: On page 111 update Table 3-3 as shown below:

Table 3-3 Average hourly real-time generation and real-time generation plus imports: January through June, 2001 through 2019

Jan-Jun	PJM Real-Time Supply (MWh)				Year-to-Year Change			
	Generation		Generation Plus		Generation		Generation Plus Imports	
	Generation	Standard Deviation	Supply	Standard Deviation	Generation	Standard Deviation	Supply	Standard Deviation
2001	29,428	4,679	32,412	4,813	NA	NA	NA	NA
2002	30,967	5,770	34,730	6,238	5.2%	23.3%	7.2%	29.6%
2003	36,034	6,008	39,644	6,021	16.4%	4.1%	14.1%	(3.5%)
2004	41,430	9,435	45,597	9,699	15.0%	57.0%	15.0%	61.1%
2005	74,365	12,661	79,693	13,242	79.5%	34.2%	74.8%	36.5%
2006	80,249	11,011	84,819	11,574	7.9%	(13.0%)	6.4%	(12.6%)
2007	83,478	12,105	88,150	13,192	4.0%	9.9%	3.9%	14.0%
2008	83,294	12,458	88,824	12,778	(0.2%)	2.9%	0.8%	(3.1%)
2009	77,508	12,961	82,928	13,580	(6.9%)	4.0%	(6.6%)	6.3%
2010	80,702	13,968	85,575	14,455	4.1%	7.8%	3.2%	6.4%
2011	81,483	13,677	86,268	14,428	1.0%	(2.1%)	0.8%	(0.2%)
2012	86,310	13,695	91,526	14,279	5.9%	0.1%	6.1%	(1.0%)
2013	87,974	13,528	93,166	14,277	1.9%	(1.2%)	1.8%	(0.0%)
2014	92,458	15,722	98,186	16,710	5.1%	16.2%	5.4%	17.0%
2015	90,097	16,028	96,626	17,168	(2.6%)	1.9%	(1.6%)	2.7%
2016	86,335	14,576	91,218	15,231	(4.2%)	(9.1%)	(5.6%)	(11.3%)
2017	88,669	13,528	91,108	14,029	2.7%	(7.2%)	(0.1%)	(7.9%)
2018	91,631	14,828	94,091	15,312	3.3%	9.6%	3.3%	9.1%
2019	91,613	14,403	92,947	14,735	(0.0%)	(2.9%)	(1.2%)	(3.8%)

Change: On page 113 update Table 3-4 as shown below:

Table 3-4 Average hourly day-ahead supply and day-ahead supply plus imports: January through June, 2001 through 2019

Jan-Jun	PJM Day-Ahead Supply (MWh)				Year-to-Year Change			
	Supply		Supply Plus Imports		Supply		Supply Plus Imports	
	Supply	Standard Deviation	Supply	Standard Deviation	Supply	Standard Deviation	Supply	Standard Deviation
2001	26,796	4,305	27,540	4,382	NA	NA	NA	NA
2002	25,840	10,011	26,398	10,021	(3.6%)	132.5%	(4.1%)	128.7%
2003	36,420	7,000	36,994	7,023	40.9%	(30.1%)	40.1%	(29.9%)
2004	50,089	10,108	50,836	10,171	37.5%	44.4%	37.4%	44.8%
2005	87,855	14,365	89,382	14,395	75.4%	42.1%	75.8%	41.5%
2006	95,562	12,620	97,796	12,615	8.8%	(12.1%)	9.4%	(12.4%)
2007	106,470	14,522	108,815	14,772	11.4%	15.1%	11.3%	17.1%
2008	104,705	14,124	107,169	14,190	(1.7%)	(2.7%)	(1.5%)	(3.9%)
2009	97,607	16,283	100,076	16,342	(6.8%)	15.3%	(6.6%)	15.2%
2010	102,626	18,206	105,463	18,378	5.1%	11.8%	5.4%	12.5%
2011	108,143	16,666	110,656	16,926	5.4%	(8.5%)	4.9%	(7.9%)
2012	132,326	15,710	134,747	15,841	22.4%	(5.7%)	21.8%	(6.4%)
2013	148,381	15,606	150,554	15,830	12.1%	(0.7%)	11.7%	(0.1%)
2014	165,620	13,930	167,939	14,119	11.6%	(10.7%)	11.5%	(10.8%)
2015	115,150	18,851	117,613	18,996	(30.5%)	35.3%	(30.0%)	34.5%
2016	127,715	20,380	129,798	20,518	10.9%	8.1%	10.4%	8.0%
2017	133,601	19,109	134,433	19,293	4.6%	(6.2%)	3.6%	(6.0%)
2018	113,028	21,246	113,493	21,258	(15.4%)	11.2%	(15.6%)	10.2%
2019	115,511	16,792	115,896	16,811	2.2%	(21.0%)	2.1%	(20.9%)

2019 Quarterly State of the Market Report for PJM: January through June

Change: On page 120 update Table 3-9 as shown below:

Table 3-9 Average hourly day-ahead demand and day-ahead demand plus exports: January through June, 2001 through 2019

Jan-Jun	PJM Day-Ahead Demand (MWh)				Year-to-Year Change			
	Demand		Demand Plus Exports		Demand		Demand Plus Exports	
	Standard Deviation	Standard Deviation	Standard Deviation	Standard Deviation	Standard Deviation	Standard Deviation	Standard Deviation	
2001	32,425	6,014	33,075	5,857	NA	NA	NA	NA
2002	37,561	8,293	37,607	8,311	15.8%	37.9%	13.7%	41.9%
2003	44,391	7,717	44,503	7,704	18.2%	(6.9%)	18.3%	(7.3%)
2004	50,161	10,304	50,596	10,557	13.0%	33.5%	13.7%	37.0%
2005	86,890	14,677	89,388	14,827	73.2%	42.4%	76.7%	40.4%
2006	94,470	12,925	97,460	13,303	8.7%	(11.9%)	9.0%	(10.3%)
2007	104,737	15,019	107,647	15,269	10.9%	16.2%	10.5%	14.8%
2008	100,948	14,255	104,499	14,461	(3.6%)	(5.1%)	(2.9%)	(5.3%)
2009	95,130	15,878	98,001	15,972	(5.8%)	11.4%	(6.2%)	10.4%
2010	99,691	18,097	103,573	18,366	4.8%	14.0%	5.7%	15.0%
2011	105,071	16,452	108,756	16,578	5.4%	(9.1%)	5.0%	(9.7%)
2012	129,881	15,268	133,046	15,436	23.6%	(7.2%)	22.3%	(6.9%)
2013	145,280	15,552	148,414	15,588	11.9%	1.9%	11.6%	1.0%
2014	160,805	13,872	164,740	13,800	10.7%	(10.8%)	11.0%	(11.5%)
2015	111,750	18,076	115,117	18,477	(30.5%)	30.3%	(30.1%)	33.9%
2016	124,542	19,750	127,461	19,991	11.4%	9.3%	10.7%	8.2%
2017	128,690	18,440	131,976	18,746	3.3%	(6.6%)	3.5%	(6.2%)
2018	108,950	20,548	111,451	20,718	(15.3%)	11.4%	(15.6%)	10.5%
2019	110,890	15,994	113,738	16,323	1.8%	(22.2%)	2.1%	(21.2%)

Change: On page 165, update Table 3-51 as follows:

Jan-Jun	Zonal Generation and Load (GWh)					
	2018			2019		
Zone	Generation	Load	Net	Generation	Load	Net
AECO	2,646.4	4,593.3	(1,946.9)	2,786.5	4,529.1	(1,742.6)
AEP	79,085.3	64,307.0	14,778.4	73,304.8	61,871.9	11,432.9
APS	23,432.3	24,824.7	(1,392.4)	23,739.4	24,463.4	(724.0)
ATSI	18,804.0	33,064.9	(14,260.9)	18,985.3	31,778.6	(12,793.4)
BGE	10,777.8	15,346.2	(4,568.3)	8,623.1	15,111.2	(6,488.1)
ComEd	64,406.4	47,174.6	17,231.7	66,268.4	44,976.9	21,291.5
DAY	4,142.5	8,684.6	(4,542.1)	352.0	8,353.2	(8,001.2)
DEOK	7,240.5	13,507.4	(6,266.9)	9,888.4	12,870.9	(2,982.5)
Dominion	46,310.2	49,258.9	(2,948.7)	47,333.6	48,910.0	(1,576.4)
DPL	2,988.7	9,059.2	(6,070.5)	2,199.7	8,801.2	(6,601.5)
DLCO	8,080.1	6,695.3	1,384.8	8,363.8	6,427.9	1,936.0
EKPC	4,399.9	6,667.0	(2,267.1)	2,880.6	6,224.8	(3,344.1)
JCPL	8,125.2	10,651.0	(2,525.9)	5,218.4	10,255.2	(5,036.8)
Met-Ed	11,002.7	7,680.7	3,322.0	11,175.8	7,584.0	3,591.7
OVEC	0.0	0.0	0.0	5,238.2	66.9	5,171.3
PECO	32,633.1	19,473.3	13,159.8	34,140.0	19,142.5	14,997.4
PENELEC	22,117.0	8,584.1	13,533.0	20,586.7	8,375.8	12,210.9
Pepco	5,857.5	14,658.7	(8,801.3)	5,175.5	14,234.2	(9,058.7)
PPL	24,467.2	20,306.1	4,161.1	30,431.5	20,080.4	10,351.1
PSEG	21,437.6	20,638.3	799.3	21,182.6	20,067.4	1,115.2
RECO	0.0	688.2	(688.2)	0.0	663.3	(663.3)

Section 5, Capacity Market

Change: On page 265, update paragraph as follows:

In the 2021/2022 RPM Base Residual Auction, EMAAC had 4,352.6 MW of CTRs with a total value of ~~\$487,459,785~~ **\$40,877,295**, PSEG had 4,990.5 MW of CTRs with a total value of ~~\$960,336,601~~ **\$70,238,159**, ATSI had 6,402.8 MW of CTRs with a total value of ~~\$1,284,412,293~~ **\$73,219,252**, ComEd had 1,527.9 MW of CTRs with a total value of ~~\$129,676,100~~ **\$30,978,820**, and BGE had 5,125.6 MW of CTRs with a total value of ~~\$1,584,218,328~~ **\$112,812,971**.

Section 13, Financial Transmission Rights and Auction Revenue Rights

Change: On page 665, update Table 13-39 as follows:

Zone	ARR Credits	FTR Credits	Balancing+ M2M Charge	Surplus Allocation	Total Offset	Day Ahead Congestion	Balancing Congestion	M2M Payments	Total Congestion	Offset
AECO	\$4.9	\$0.0	(\$1.9)	\$0.8	\$3.8	\$11.9	(\$1.5)	(\$0.4)	\$10.0	37.8%
AEP	\$56.8	\$38.9	(\$23.7)	\$21.8	\$93.8	\$129.6	(\$18.9)	(\$5.1)	\$105.7	88.7%
APS	\$40.8	\$10.4	(\$9.2)	\$8.9	\$50.9	\$53.7	(\$6.9)	(\$2.0)	\$44.8	113.6%
ATSI	\$43.3	\$0.3	(\$12.4)	\$6.7	\$37.9	\$64.8	(\$9.7)	(\$2.6)	\$52.5	72.3%
BGE	\$67.2	\$1.5	(\$5.8)	\$10.7	\$73.6	\$26.1	(\$4.8)	(\$1.2)	\$20.0	367.3%
ComEd	\$91.7	\$10.2	(\$17.8)	\$17.3	\$101.3	\$113.0	(\$12.7)	(\$3.8)	\$96.5	105.0%
DAY	\$7.2	\$0.5	(\$3.2)	\$1.1	\$5.5	\$16.1	(\$2.6)	(\$0.7)	\$12.8	42.8%
DEOK	\$41.5	\$9.1	(\$5.0)	\$7.7	\$53.4	\$28.9	(\$4.1)	(\$1.1)	\$23.7	225.5%
DLCO	\$9.1	\$0.0	(\$2.5)	\$1.4	\$8.0	\$10.2	(\$1.9)	(\$0.5)	\$7.7	104.2%
Dominion	\$7.1	\$44.3	(\$18.7)	\$9.4	\$42.3	\$84.4	(\$14.2)	(\$4.0)	\$66.2	63.9%
DPL	\$39.3	\$8.2	(\$3.4)	\$7.0	\$51.0	\$63.0	(\$3.3)	(\$0.7)	\$59.0	86.5%
EKPC	\$0.0	\$0.0	(\$2.4)	\$0.0	(\$2.3)	\$11.8	(\$1.7)	(\$0.5)	\$9.5	(24.1%)
EXT	\$3.4	\$0.0	\$0.0	\$0.5	\$3.9	\$0.7	(\$4.8)	\$0.0	(\$4.1)	(95.8%)
JCPL	\$2.5	\$0.0	(\$4.2)	\$0.4	(\$1.3)	\$24.6	(\$3.3)	(\$0.9)	\$20.4	(6.2%)
Met-Ed	\$7.9	\$0.4	(\$2.9)	\$1.3	\$6.6	\$17.9	(\$2.6)	(\$0.6)	\$14.6	45.2%
PECO	\$21.2	\$0.2	(\$7.5)	\$3.3	\$17.2	\$37.3	(\$5.7)	(\$1.6)	\$30.0	57.3%
Penelec	\$10.9	\$4.0	(\$3.2)	\$2.0	\$13.7	\$21.7	(\$3.4)	(\$0.7)	\$17.6	77.7%
Pepco	\$28.9	\$2.0	(\$5.5)	\$5.0	\$30.3	\$23.6	(\$4.2)	(\$1.2)	\$18.2	166.3%
PPL	\$4.4	\$0.0	(\$7.6)	\$0.7	(\$2.4)	\$44.2	(\$5.9)	(\$1.6)	\$36.7	(6.7%)
PSEG	\$40.9	\$0.0	(\$8.1)	\$6.3	\$39.2	\$47.3	(\$7.0)	(\$1.7)	\$38.6	101.5%
RECO	\$0.1	\$0.0	(\$0.3)	\$0.0	(\$0.2)	\$2.0	(\$0.9)	(\$0.1)	\$1.1	(19.0%)
Total	\$529.0	\$130.1	(\$145.2)	\$112.3	\$626.2	\$832.7	(\$120.0)	(\$31.1)	\$681.6	91.9%