

**Optimal Capacitor Configuration for AP-SOUTH/AEP-DOM Zonal Summary for 2015**

Zone	Δ Gross Load Payment (\$Millions)	Δ FTR Credits (\$Millions)	Δ Marginal Loss Surplus Credits (\$Millions)	Δ Gross Generation Revenue (\$Millions)	Δ Generation Adj Production Costs (\$Millions)
AECO	-0.13	-0.01	0.13	-0.51	-0.20
AEP	0.04	-1.04	1.63	18.07	16.60
APS	0.53	-3.83	0.60	13.71	8.18
BGE	-3.46	-0.60	0.41	-8.37	-6.28
COMED	-1.06	0.25	1.26	2.44	4.07
CONABCJK	-0.09	0.00	0.00	0.00	0.13
DAY	-0.02	0.00	0.22	0.19	0.47
DEOK	-0.13	-0.01	0.33	-0.33	0.03
DOM	-13.51	-7.57	1.21	-33.95	-33.16
DPL	-0.33	-0.07	0.23	-1.13	-0.99
DUQ	0.82	0.18	0.18	1.70	0.84
EKPC	-0.14	-0.06	0.13	5.81	6.43
FE-ATSI	2.25	-0.23	0.83	4.88	2.53
JCPL	-0.12	-0.08	0.29	-1.49	-1.32
LINDVFT	1.09	0.00	0.00	0.00	0.13
METED	-0.38	-0.15	0.19	-1.39	-0.82
NEPTHVDC	0.24	0.00	0.00	0.00	0.13
O66HVDC	-0.14	0.00	0.00	0.00	0.13
PECO	-0.56	-0.25	0.51	-2.21	-1.27
PENELEC	0.46	-0.06	0.23	1.47	0.44
PEPCO	-4.38	-0.25	0.38	-8.94	-8.03
PLGRP	-0.26	-0.36	0.52	0.58	0.78
PSEG	-0.30	0.10	0.55	-1.47	-1.27
RECO	0.04	0.00	0.02	0.00	0.13
External	0.00	0.00	0.00	0.92	1.28
PJM	-19.55	-14.05	9.86	-10.01	-11.02

**Optimal Capacitor Configuration for AP-SOUTH/AEP-DOM Zonal Summary for 2019**

Zone	Δ Gross Load Payment (\$Millions)	Δ FTR Credits (\$Millions)	Δ Marginal Loss Surplus Credits (\$Millions)	Δ Gross Generation Revenue (\$Millions)	Δ Generation Adj Production Costs (\$Millions)
AECO	-0.63	-0.07	0.16	-2.03	-1.06
AEP	3.53	-1.68	2.04	15.08	8.73
APS	1.39	-5.39	0.77	22.53	15.03
BGE	-4.80	-0.91	0.52	-10.93	-9.34
COMED	1.07	0.14	1.64	2.85	1.69
CONABCJK	0.08	0.00	0.00	0.00	0.30
DAY	0.65	0.03	0.28	1.63	1.29
DEOK	0.75	-0.02	0.43	0.52	0.17
DOM	-18.87	-10.29	1.63	-39.73	-37.85
DPL	-1.30	-0.17	0.30	-0.96	-0.53
DUQ	1.27	0.22	0.24	2.06	0.86
EKPC	0.13	-0.09	0.17	1.84	2.05
FE-ATSI	4.27	-0.12	1.06	6.71	2.74
JCPL	-1.30	-0.27	0.37	2.05	3.15
LINDVFT	1.35	0.00	0.00	0.00	0.30
METED	-1.08	-0.32	0.25	0.34	1.34
NEPTHVDC	0.18	0.00	0.00	0.00	0.30
O66HVDC	-1.05	0.00	0.00	0.00	0.30
PECO	-2.49	-0.62	0.66	-2.86	1.18
PENELEC	0.72	-0.20	0.30	3.71	2.31
PEPCO	-5.59	-0.36	0.50	-13.91	-13.33
PLGRP	-1.95	-0.68	0.67	3.60	7.06
PSEG	-2.35	-0.22	0.70	-4.32	-0.83
RECO	0.06	0.00	0.02	0.00	0.30
External	0.00	0.00	0.00	0.47	0.56
PJM	-25.95	-21.03	12.74	-11.35	-13.26

**Optimal Capacitor Configuration for AP-SOUTH/AEP-DOM Zonal Summary for 2022**

Zone	Δ Gross Load Payment (\$Millions)	Δ FTR Credits (\$Millions)	Δ Marginal Loss Surplus Credits (\$Millions)	Δ Gross Generation Revenue (\$Millions)	Δ Generation Adj Production Costs (\$Millions)
AECO	-0.79	-0.09	0.14	-0.91	0.01
AEP	5.14	-2.52	1.79	17.57	8.15
APS	1.39	-6.15	0.69	22.41	13.63
BGE	-5.57	-0.99	0.47	-7.76	-3.94
COMED	2.92	0.41	1.48	4.91	1.44
CONABCJK	-0.21	0.00	0.00	0.00	0.27
DAY	0.99	0.02	0.25	2.33	1.56
DEOK	1.18	-0.04	0.38	1.45	0.97
DOM	-21.95	-11.18	1.51	-50.27	-47.22
DPL	-1.69	-0.20	0.27	-0.01	0.58
DUQ	1.67	0.25	0.21	2.38	0.78
EKPC	0.28	-0.14	0.16	1.43	1.20
FE-ATSI	5.86	-0.31	0.94	8.16	2.68
JCPL	-1.57	-0.32	0.33	-0.10	0.63
LINDVFT	1.26	0.00	0.00	0.00	0.27
METED	-1.33	-0.34	0.23	1.41	2.73
NEPTHVDC	0.38	0.00	0.00	0.00	0.27
O66HVDC	-0.76	0.00	0.00	0.00	0.27
PECO	-3.27	-0.75	0.59	-3.33	1.01
PENELEC	0.85	-0.17	0.28	5.76	4.31
PEPCO	-6.50	-0.41	0.44	-6.05	-5.42
PLGRP	-2.61	-0.76	0.60	-0.77	3.09
PSEG	-2.90	-0.37	0.62	-6.21	-2.06
RECO	0.06	0.00	0.02	0.00	0.27
External	0.00	0.00	0.00	1.41	1.97
PJM	-27.19	-24.04	11.41	-6.21	-12.55

**Optimal Capacitor Configuration for AP-SOUTH/AEP-DOM Zonal Summary for 2025**

Zone	Δ Gross Load Payment (\$Millions)	Δ FTR Credits (\$Millions)	Δ Marginal Loss Surplus Credits (\$Millions)	Δ Gross Generation Revenue (\$Millions)	Δ Generation Adj Production Costs (\$Millions)
AECO	-0.47	-0.12	0.30	-1.18	-0.04
AEP	8.72	-2.69	3.71	32.50	19.83
APS	3.83	-7.25	1.44	27.37	15.43
BGE	-5.28	-1.25	0.99	-7.51	-4.54
COMED	4.84	0.58	3.14	7.88	3.29
CONABCJK	-0.18	0.00	0.00	0.00	0.57
DAY	1.50	0.03	0.54	1.75	0.88
DEOK	1.83	-0.03	0.81	1.37	0.57
DOM	-24.05	-13.91	3.22	-48.55	-45.05
DPL	-0.79	-0.23	0.56	-3.97	-3.38
DUQ	2.29	0.29	0.44	3.13	1.21
EKPC	0.58	-0.14	0.34	1.56	1.38
FE-ATSI	8.20	-0.19	1.98	9.66	2.72
JCPL	-0.84	-0.40	0.70	0.97	1.84
LINDVFT	3.09	0.00	0.00	0.00	0.57
METED	-0.83	-0.43	0.49	2.03	3.37
NEPTHVDC	0.69	0.00	0.00	0.00	0.57
O66HVDC	-0.70	0.00	0.00	0.00	0.57
PECO	-1.76	-0.93	1.23	-5.58	-2.71
PENELEC	1.92	-0.25	0.59	7.14	3.60
PEPCO	-6.64	-0.51	0.94	-29.09	-29.99
PLGRP	-1.03	-0.91	1.25	4.53	6.94
PSEG	-1.81	-0.46	1.29	-1.40	1.61
RECO	0.13	0.00	0.04	0.00	0.57
External	0.00	0.00	0.00	2.59	3.28
PJM	-6.78	-28.80	24.01	5.20	-16.92

Project description contained in February 11, 2016 TEAC material.