

2024 Frequency Bias Settings

Effective:

6/26/2024

Eastern Interconnection

BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2024 FBS MW/0.1Hz	2023 FBS MW/0.1Hz	Peak Demand (MW) (2022 FERC 714)	2024 L10	2023 L10	OY 2024 BA FRO MW/0.1Hz
AECI	Fixed	No	No	-43.80	-39.80	2,204	45.3	42.5	-7.3
CHC	Fixed	No	No	-1.54	-0.90	27	8.5	6.3	-0.1
CPL	Fixed	No	No	-118.00	-113.70	14,071	74.4	69.7	-19.7
DUK	Fixed	No	No	-190.90	-183.60	21,277	94.7	88.6	-31.9
FMPP	Fixed	No	No	-33.20	-31.70	3,808	39.5	36.9	-5.6
FPC	Fixed	No	No	-89.00	-82.90	11,729	64.6	60.5	-14.9
FPL	Fixed	No	No	-240.80	-244.10	26,709	106.3	104.0	-40.3
GVL	Fixed	No	No	-3.50	-3.50	425	12.8	11.9	-0.6
IESO	Fixed	No	No	-248.40	-237.80	22,607	108.0	101.1	-41.6
ISNE	Fixed	No	No	-193.70	-188.30	24,749	95.4	89.3	-32.4
JEA	Fixed	No	No	-19.10	-19.78	2,816	29.9	29.6	-3.2
LGEE	Fixed	No	No	-57.10	-55.40	6,886	51.8	48.5	-9.6
MHEB	Fixed	No	No	-57.50	-51.00	4,798	52.0	48.6	-9.6
MISO	Fixed	No	No	-1134.80	-1,093.30	117,455	230.8	216.1	-190.0
NBPSO	Fixed	No	Yes	-26.20	-25.20	3,760	35.1	32.8	-4.4
NSPI	Fixed	Yes	No	-18.70	-18.10	2,216	29.6	27.8	-3.1
NYIS	Fixed	No	No	-244.90	-239.70	30,505	107.2	100.4	-41.0
PJM	Fixed	No	No	-1421.10	-1,379.50	147,716	258.3	241.8	-237.9
SC	Fixed	No	No	-48.00	-42.80	5,385	47.5	43.5	-6.7
SCEG	Fixed	No	No	-41.90	-43.80	4,723	44.4	41.5	-7.0
SEC	Fixed	No	No	-11.60	-11.50	467	23.3	21.9	-1.9
SEPA	Fixed	No	No	-1.44	-3.20	0	8.2	11.9	-0.2
SOCO	Fixed	No	No	-417.60	-373.39	47,832	134.9	134.9	-69.9
SPA	Fixed	No	No	-10.70	-19.41	136	22.4	29.3	-1.0
SPC	Fixed	No	No	-43.80	-42.70	3,801	45.3	42.5	-7.3
SWPP	Variable	No	No	-280.30	-280.30	72,534	114.7	111.4	-83.7
TAL	Fixed	No	No	-5.00	-4.60	592	15.3	14.4	-0.8
TEC	Fixed	No	No	-38.30	-36.60	4,385	42.4	40.3	-6.4
TVA	Fixed	No	No	-266.60	-282.90	28,923	111.9	108.4	-44.6
Total EI FBS				-5307.3				Total EI IFRO	-922.7

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Western Interconnection										
BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2024 FBS MW/0.1Hz	2023 FBS MW/0.1Hz	Peak Demand (MW) (2022 FERC 714)	2024 L10	2023 L10	OY 2024 BA FRO MW/0.1Hz	
AESO	Fixed	No	No	-162.20	-150.8	12,253	64.1	66.1	-98.2	
AVA	Fixed	No	No	-60.64	-55.0	2,514	38.7	39.4	-15.0	
AVRN	Fixed	No	No	-7.50	-9.8	0	16.3	16.6	-4.6	
AZPS	Fixed	No	No	-62.40	-74.6	7,562	45.1	45.9	-37.3	
BANC	Fixed	No	No	-52.71	-45.1	4,882	35.0	35.7	-15.8	
BCHA	Variable	No	No	-102.18	-116.6	11,965	56.3	57.3	-79.1	
BPAT	Variable	No	No	-157.90	-161.1	11,068	66.2	67.4	-90.7	
CFE	Fixed	No	No	-30.00	-27.7	3,323	27.5	28.4	-18.2	
CHPD	Fixed	No	No	-15.90	-15.4	556	20.5	20.8	-4.4	
CISO	Fixed	No	No	-375.30	-344.8	51,479	96.9	100.5	-227.3	
DEAA	Fixed	No	No	-1.80	-1.2	0	5.7	6.9	-1.1	
DOPD	Fixed	No	No	-18.90	-13.0	517	18.8	19.1	-1.5	
EPE	Fixed	No	No	-13.10	-12.2	2,200	18.2	18.8	-7.9	
GCPD	Fixed	No	No	-32.62	-42.0	984	33.8	34.4	-7.3	
GRID	Fixed	No	No	-28.29	-17.4	0	27.9	22.2	-8.2	
GWA	Fixed	No	No	-0.50	-0.6	0	4.0	4.1	-0.3	
HGMA	Fixed	No	No	-2.50	-7.02	0	13.8	14.1	-1.5	
IID	Fixed	No	No	-4.50	-4.4	1,095	10.9	11.1	-2.7	
IPCO	Variable	No	No	-36.40	-40.6	3,953	33.2	33.8	-19.6	
LDWP	Fixed	No	No	-58.66	-58.3	6,823	39.8	40.5	-21.7	
NEVP	Fixed	No	No	-69.00	-64.3	9,919	41.8	43.1	-41.8	
NWMT	Fixed	No	No	-21.20	-18.8	2,073	22.6	23.9	-12.9	
PACE	Fixed	No	No	-103.90	-94.1	9,556	50.6	52.9	-62.9	
PACW	Fixed	No	No	-35.80	-40.7	3,989	33.3	33.9	-21.7	
PGE	Fixed	No	No	-44.62	-44.7	4,227	34.9	35.5	-23.1	
PNM	Fixed	No	No	-27.70	-25.9	2,787	26.6	27.3	-16.8	
PSCO	Fixed	No	No	-97.20	-80.0	8,885	46.7	47.5	-50.2	
PSEI	Fixed	No	No	-40.10	-37.5	5,154	32.0	32.9	-24.3	
SCL	Fixed	No	No	-28.00	-32.0	1,915	29.5	30.0	-9.5	
SRP	Fixed	No	No	-53.70	-50.5	7,691	37.1	49.5	-43.8	
TEPC	Fixed	No	No	-53.60	-73.5	3,294	44.7	45.5	-17.0	
TIDC	Fixed	No	No	-8.30	-9.2	720	15.8	16.1	-2.8	
TPWR	Fixed	No	No	-13.11	-14.3	971	19.7	20.1	-4.6	
WACM	Fixed	No	No	-60.00	-63.8	4,802	41.7	42.4	-36.4	
WALC	Fixed	No	No	-17.70	-19.00	1,755	22.7	23.1	-10.7	
WAUW	Fixed	No	No	-2.00	-2.0	166	7.4	7.5	-0.9	
WWA	Fixed	No	No	-0.60	-0.6	0	4.0	4.1	-0.4	
Total WI FBS				-1,903.7					Total WI IFRO	-1,042.0

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ERCOT Interconnection										
BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2024 FBS MW/0.1Hz	2023 FBS MW/0.1Hz	Peak Demand (MW) (2022 FERC 714)	2024 L10	2023 L10	OY 2024 BA FRO MW/0.1Hz	
ERCOT	Fixed	N/A	N/A	-895.0	-895.0	80,147	N/A	N/A	-395.0	
Québec Interconnection										
BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2024 FBS MW/0.1Hz	2023 FBS MW/0.1Hz	Peak Demand (MW) (2022 FERC 714)	2024 L10	2023 L10	OY 2024 BA FRO MW/0.1Hz	
HQT	Variable	N/A	N/A	N/A	N/A	-	N/A	N/A	-211.0	