

2023 Frequency Bias Settings							Effective: 6/7/2023		
Eastern Interconnection									
BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2023 FBS MW/0.1Hz	2022 FBS MW/0.1Hz	Peak Demand (MW) (2021 FERC 714)	2023 L ₁₀	2022 L ₁₀	OY 2023 BA FRO MW/0.1Hz
AECI	Fixed	No	No	-39.8	-39.7	5,610	42.6	42.1	-6.8
CHC	Fixed	No	No	-0.9	-1.1	10	6.4	7.0	-0.1
CPLE	Fixed	No	No	-113.7	-112.3	13,046	72.0	70.9	-19.3
DUK	Fixed	No	No	-183.6	-179.2	20,310	91.5	89.5	-31.2
FMPP	Fixed	No	No	-31.7	-29.1	3,587	38.0	36.1	-5.4
FPC	Fixed	No	No	-82.9	-84.5	11,470	61.5	61.5	-14.1
FPL	Fixed	No	No	-244.1	-225.9	23,973	105.5	100.5	-37.4
GVL	Fixed	No	No	-3.5	-3.3	468	12.6	12.2	-0.6
HST	Fixed	No	No	-0.5	-0.5	116	4.8	4.7	-0.1
IESO	Fixed	No	No	-237.8	-243.3	22,986	104.1	104.3	-40.4
ISNE	Fixed	No	No	-188.3	-183.0	25,769	92.6	90.5	-32.0
JEA	Fixed	No	No	-19.78	-29.1	2,582	30.0	36.1	-3.0
LGEE	Fixed	No	No	-55.4	-54.4	6,730	50.2	49.3	-9.4
MHEB	Fixed	No	No	-51	-55.1	4,977	48.2	49.6	-8.0
MISO	Fixed	No	No	-1093.3	-1,049.3	116,195	223.2	216.7	-185.6
NBPSO	Fixed	No	Yes	-25.2	-25.5	3,223	33.9	33.8	-4.3
NSPI	Fixed	Yes	No	-18.1	-18.3	1,968	28.7	28.6	-3.1
NYIS	Fixed	No	No	-239.7	-244.5	30,919	104.5	104.6	-40.7
PJM	Fixed	No	No	-1379.5	-1,354.3	148,770	250.7	246.1	-234.4
SC	Fixed	No	No	-42.8	-36.2	4,634	44.2	40.2	-6.4
SCEG	Fixed	No	No	-43.8	-44.3	4,573	44.7	44.5	-7.5
SEC	Fixed	No	No	-11.5	-11.5	435	22.9	22.7	-2.0
SEPA	Fixed	No	No	-3.2	-2.2	-	12.1	9.9	-0.3
SOCO	Fixed	No	No	-373.39	-397.5	41,488	130.4	133.3	-55.7
SPA	Fixed	No	No	-19.41	-16.8	180	29.7	27.4	-1.2
SPC	Fixed	No	No	-42.7	-33.6	3,910	44.1	38.8	-7.3
SWPP	Variable	No	No	-280.3	-270.2	50,851	113.0	109.9	-78.8
TAL	Fixed	No	No	-4.6	-4.6	573	14.5	14.3	-0.8
TEC	Fixed	No	No	-36.6	-36.4	4,393	40.8	40.4	-6.2
TVA	Fixed	No	No	-282.9	-267.5	28,149	113.5	109.4	-48.1
Total				-5,151				Total	-890

2023 Frequency Bias Settings							Effective:		6/7/2023	
Western Interconnection										
BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2023 FBS MW/0.1Hz	2022 FBS MW/0.1Hz	Peak Demand (MW) (2021 FERC 714)	2023 L ₁₀	2022 L ₁₀	OY 2023 BA FRO MW/0.1Hz	
AESO	Fixed	No	No	-150.8	-148.8	11,970	64.1	65.7	-105.3	
AVA	Fixed	No	No	-55.0	-55.1	2,380	38.7	40.0	-15.6	
AVRN	Fixed	No	No	-9.8	-7.5	-	16.3	14.8	-5.5	
AZPS	Fixed	No	No	-74.6	-100.2	7,575	45.1	53.9	-39.4	
BANC	Fixed	No	No	-45.1	-64.6	4,471	35.0	43.3	-18.8	
BCHA	Variable	No	No	-116.6	-121.9	11,792	56.3	59.5	-86.1	
BPAT	Variable	No	No	-161.1	-165.7	10,123	66.2	69.3	-91.5	
CFE	Fixed	No	No	-27.7	-44.2	3,150	27.5	35.8	-19.3	
CHPD	Fixed	No	No	-15.4	-23.6	490	20.5	26.2	-4.6	
CISO	Fixed	No	No	-344.8	-344.5	43,789	96.9	100.0	-240.8	
DEAA	Fixed	No	No	-1.2	-3.3	-	5.7	9.7	-0.8	
DOPD	Fixed	No	No	-13.0	-13.3	467	18.8	19.6	-1.5	
EPE	Fixed	No	No	-12.2	-12.6	2,037	18.2	19.1	-8.5	
GCPD	Fixed	No	No	-42.0	-39.0	960	33.8	33.6	-7.6	
GRID	Fixed	No	No	-17.4	-24.5	-	21.8	26.7	-7.7	
GRIF	Fixed	No	No	-8.7	-8.2	-	15.4	15.4	-1.5	
GWA	Fixed	No	No	-0.6	-0.6	-	4.0	4.2	-0.3	
HGMA	Fixed	No	No	-7.02	-7.0	-	13.8	14.3	-0.3	
IID	Fixed	No	No	-4.4	-3.8	1,135	10.9	10.5	-3.0	
IPCO	Variable	No	No	-40.6	-39.1	4,142	33.2	33.7	-21.1	
LDWP	Fixed	No	No	-58.3	-76.9	5,387	39.8	47.3	-25.1	
NEVP	Fixed	No	No	-64.3	-63.1	9,583	41.8	42.8	-44.9	
NWMT	Fixed	No	No	-18.8	-18.6	1,909	22.6	23.2	-13.2	
PACE	Fixed	No	No	-94.1	-92.0	9,634	50.6	51.7	-65.7	
PACW	Fixed	No	No	-40.7	-62.9	4,177	33.3	42.7	-26.4	
PGE	Fixed	No	No	-44.7	-34.4	4,528	34.9	31.6	-25.2	
PNM	Fixed	No	No	-25.9	-24.4	2,586	26.6	26.6	-18.1	
PSCO	Fixed	No	No	-80.0	-97.0	8,097	46.7	53.1	-54.0	
PSEI	Fixed	No	No	-37.5	-36.7	4,742	32.0	32.6	-26.2	
SCL	Fixed	No	No	-32.0	-35.0	1,893	29.5	31.9	-10.1	
SRP	Fixed	No	No	-50.5	-52.4	6,814	37.1	39.0	-35.3	
TEPC	Fixed	No	No	-73.5	-74.1	3,418	44.7	46.4	-19.7	
TIDC	Fixed	No	No	-9.2	-12.6	670	15.8	19.1	-3.0	
TPWR	Fixed	No	No	-14.3	-25.7	968	19.7	27.3	-5.0	
WACM	Fixed	No	No	-63.8	-46.60	3,474	41.7	36.8	-30.7	
WALC	Fixed	No	No	-19.00	-17.90	1,812	22.7	22.8	-12.8	
WAUW	Fixed	No	No	-2.0	-2.0	187	7.4	7.6	-0.9	
WWA	Fixed	No	No	-0.6	-0.6	-	4.0	4.2	-0.4	
Total WI FBS				-1,877					Total WI FRO	-1,096

2023 Frequency Bias Settings

Effective:

6/7/2023

ERCOT Interconnection

BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2023 FBS MW/0.1Hz	2022 FBS MW/0.1Hz	Peak Demand (MW) (2021 FERC 714)	2023 L10	2022 L10	OY 2023 BA FRO MW/0.1Hz
ERCOT	Fixed	N/A	N/A	-895	-895.0	#N/A	N/A	N/A	-463.0

Québec Interconnection

BA	Bias Type	Receive Overlap Reg	Provide Overlap Reg	2023 FBS MW/0.1Hz	2022 FBS MW/0.1Hz	Peak Demand (MW) (2021 FERC 714)	2023 L10	2022 L10	OY 2023 BA FRO MW/0.1Hz
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