

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	
<b>Total EI FBS</b>				<b>-5307.3</b>					<b>Total EI IFRO</b>	<b>-922.7</b>

2024 Frequency Bias Settings							Effective:		6/26/2024	
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	-154.90	12,253	66.9	66.1	-99.3	
AVA	Fixed	No	No	-60.64	-55.00	2,514	40.9	39.4	-15.1	
AVRN	Fixed	No	No	-7.50	-9.75	0	14.4	16.6	-4.6	
AZPS	Fixed	No	No	-62.40	-74.60	7,562	41.5	45.9	-37.7	
BANC	Fixed	No	No	-52.71	-45.10	4,882	38.2	35.7	-16.0	
BCHA	Variable	No	No	-102.18	-116.56	11,965	53.1	57.3	-80.0	
BPAT	Variable	No	No	-161.10	-161.10	11,068	66.7	67.4	-91.7	
CFE	Fixed	No	No	-30.00	-28.70	3,323	28.8	28.4	-18.4	
CHPD	Fixed	No	No	-15.90	-15.40	556	21.0	20.8	-4.4	
CISO	Fixed	No	No	-375.30	-358.50	51,479	101.8	100.5	-229.8	
DEAA	Fixed	No	No	-1.80	-1.70	0	7.1	6.9	-1.1	
DOPD	Fixed	No	No	-18.90	-13.00	517	22.8	19.1	-1.5	
EPE	Fixed	No	No	-13.10	-12.50	2,200	19.0	18.8	-8.0	
GCPD	Fixed	No	No	-32.62	-42.00	984	30.0	34.4	-7.3	
GRID	Fixed	No	No	-19.40	-17.44	0	23.1	22.2	-8.2	
GRIF	Fixed	No	No	-8.89	-8.70	0	15.7	15.7	0.0	
GWA	Fixed	No	No	-0.50	-0.60	0	3.7	4.1	-0.3	
HGMA	Fixed	No	No	-2.50	-7.02	0	8.3	14.1	-1.6	
IID	Fixed	No	No	-4.50	-4.40	1,095	11.1	11.1	-2.8	
IPCO	Variable	No	No	-36.40	-40.56	3,953	31.7	33.8	-19.8	
LDWP	Fixed	No	No	-58.66	-58.28	6,823	40.3	40.5	-21.9	
NEVP	Fixed	No	No	-69.00	-65.90	9,919	43.7	43.1	-42.3	
NWMT	Fixed	No	No	-21.20	-20.30	2,073	24.2	23.9	-13.0	
PACE	Fixed	No	No	-103.90	-99.20	9,556	53.6	52.9	-63.6	
PACW	Fixed	No	No	-35.80	-40.74	3,989	31.4	33.9	-21.9	
PGE	Fixed	No	No	-44.62	-44.74	4,227	35.1	35.5	-23.3	
PNM	Fixed	No	No	-27.70	-26.50	2,787	27.7	27.3	-17.0	
PSCO	Fixed	No	No	-97.20	-80.00	8,885	51.8	47.5	-50.8	
PSEI	Fixed	No	No	-40.10	-38.30	5,154	33.3	32.9	-24.5	
SCL	Fixed	No	No	-28.00	-32.00	1,915	27.8	30.0	-9.6	
SRP	Fixed	No	No	-53.70	-86.90	7,691	38.5	49.5	-32.9	
TEPC	Fixed	No	No	-53.60	-73.50	3,294	38.5	45.5	-17.2	
TIDC	Fixed	No	No	-8.30	-9.16	720	15.1	16.1	-2.9	
TPWR	Fixed	No	No	-13.11	-14.30	971	19.0	20.1	-4.7	
WACM	Fixed	No	No	-60.00	-63.80	4,802	40.7	42.4	-36.7	
WALC	Fixed	No	No	-17.70	-19.00	1,755	22.1	23.1	-10.8	
WAUW	Fixed	No	No	-2.00	-2.00	166	7.4	7.5	-0.9	
WWA	Fixed	No	No	-0.60	-0.60	0	4.1	4.1	-0.4	
<b>Total WI FBS</b>				<b>-1,903.7</b>				<b>Total WI IFRO</b>		<b>-1,042.0</b>

2024 Frequency Bias Settings							Effective:		6/26/2024	
<b>ERCOT Interconnection</b>										
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	
<b>Québec Interconnection</b>										
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	