



Exchange and Clearing Transaction Fee Schedule for Nodal Exchange Options

Power Offering	Fee Per Lot ¹			\$/MWh Equivalent ²		
	Exchange Transaction	Clearing Registration	Clearing Exercise/Assignment	Exchange Transaction	Clearing Registration	Clearing Exercise/Assignment
PJM WESTERN HUB Monthly Real Time On-Peak Power Option	\$0.85	\$0.85	\$0.00	\$0.0025	\$0.0025	\$0.0000
All Other Eastern RTO & ERCOT Monthly On-Peak Power Option	\$1.70	\$0.85	\$0.00	\$0.0050	\$0.0025	\$0.0000
PJM WESTERN HUB Monthly Real Time Off-Peak Power Option	\$1.95	\$0.98	\$0.00	\$0.0050	\$0.0025	\$0.0000
All Eastern RTO & ERCOT Monthly Off-Peak Power Option	\$1.95	\$0.98	\$0.00	\$0.0050	\$0.0025	\$0.0000
MISO INDIANA HUB Monthly Real Time On-Peak Power Option	\$1.70	\$0.85	\$0.00	\$0.0050	\$0.0025	\$0.0000
ERCOT HB NORTH Monthly Real Time On-Peak Power Option	\$1.70	\$0.85	\$0.00	\$0.0050	\$0.0025	\$0.0000
NYISO WEST Monthly Day Ahead On-Peak Power Option	\$1.70	\$0.85	\$0.00	\$0.0050	\$0.0025	\$0.0000
NYISO HUD VL Monthly Day Ahead On-Peak Power Option	\$1.70	\$0.85	\$0.00	\$0.0050	\$0.0025	\$0.0000
ISONE H INTERNAL HUB Monthly Day Ahead On-Peak Power Option	\$1.70	\$0.85	\$0.00	\$0.0050	\$0.0025	\$0.0000
WEST ³ Monthly On-Peak Power Option	\$2.05	\$1.03	\$0.00	\$0.0050	\$0.0025	\$0.0000
NWPP MID COLUMBIA Monthly Day Ahead On-Peak Power Option	\$2.05	\$1.03	\$0.00	\$0.0050	\$0.0025	\$0.0000
CAISO TH SP15 GEN APND Monthly Day Ahead On-Peak Power Option	\$2.05	\$1.03	\$0.00	\$0.0050	\$0.0025	\$0.0000
PJM WESTERN HUB Calendar Year Real Time On-Peak Power Option	\$2.04	\$10.20	\$0.00	\$0.0005	\$0.0025	\$0.0000
PJM WESTERN HUB Calendar Year Real Time Off-Peak Power Option	\$23.40	\$11.70	\$0.00	\$0.0050	\$0.0025	\$0.0000
All Other Eastern Calendar Year On-Peak Power Option	\$20.40	\$10.20	\$0.00	\$0.0050	\$0.0025	\$0.0000
NYISO WEST Calendar Year Day Ahead On-Peak Power Option	\$20.40	\$10.20	\$0.00	\$0.0050	\$0.0025	\$0.0000

Notes:

¹ The lot size for Power contracts is defined as 1 MW of a contract expiry (peak or off-peak) for one month.

² All per MWh pricing is shown rounded to the nearest fourth decimal place. For Eastern RTOs (PJM, ISO-NE, MISO, and NYISO) and ERCOT, the average peak hours per month are 340 and the average off-peak hours per month are 390; the average peak hours per year are 4,080 and the average off-peak hours per year are 4,680. For CAISO and Mid-Columbia, the average peak hours per month are 410.

³ WEST includes CAISO and Mid-Columbia contracts



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Natural Gas Offering	<u>Fee Per Lot</u>			<u>\$/MMBtu Equivalent</u>		
	Exchange Transaction	Clearing Registration	Clearing Exercise/Assignment	Exchange Transaction	Clearing Registration	Clearing Exercise/Assignment
Henry Hub Options (Monthly 2,500 MMBtu lot size)	\$0.10	\$0.35	\$0.25	\$0.00004	\$0.00014	\$0.00010
Henry Hub Options (Monthly 10,000 MMBtu lot size)	\$0.10	\$1.40	\$1.00	\$0.00001	\$0.00014	\$0.00010