

SD_RTNCPCPOSTGENSUB – Real-Time NCPC Generator Posturing Credit Subaccount Report – Rev 0
SD_RTNCPCPOSTGENSUB_ <customer id>_ <settlement date>_ <version>_ <subaccount_id>.CSV
<Customer Name>
Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT
Availability: Daily

REPORT COLUMN	DESCRIPTION
LEG Generators - Daily Section	
Subaccount ID	The alpha numeric identifier for the subaccount.
Subaccount Name	The name of the subaccount.
Asset ID	Numerical identifier for the asset.
Asset Name	Name of the asset.
Generator Type	The registered type of the generator.
Postured Start Hour	The date/time of the first Trading Interval of the posturing event. (Date format MM/DD/YYYY HH. HH for hours 01-24; the long day extra hour = 02X, the short day removes hour 02.)
Maximum Daily Energy	The maximum daily energy MWh limit value for the generator.
Available Energy	The energy available as of the Postured Start Hour.
Initial Energy Quantity	The energy allocated to an asset at a station. If there are not multiple assets at the station, this equals Available Energy.
Total Added Energy Quantity (Pumps Only)	The energy added to the pond for a pumped storage asset during the posturing event.
Actual Remaining Energy Quantity	The Initial Energy Quantity plus the Total Added Energy Quantity (Pumps Only), less the sum of the five-minute Energy Quantity, for the posturing event.
Energy Replacement Price	For Generator Type 'Hydro: Pumped Storage', price is the average of the Day-Ahead LMP in hours ending 3 through 5 in the subsequent operating day. For Generator Type 'Oil', price is the product of the oil index price and the oil-fired generator proxy heat rate. Otherwise, price is zero.
Actual Avoided Replacement Cost	The product of the Actual Remaining Energy Quantity and the Energy Replacement Price.
Total Actual Revenue	The sum of the five-minute Actual Revenue values for the posturing event.
Optimized Output Remaining Energy Quantity	The amount of energy remaining after calculating the optimal energy dispatch for the asset.
Optimized Output Avoided Replacement Cost	If the Generator Type is 'Hydro: Pumped Storage', cost is the sum of the Total Added Energy Quantity (Pumps Only) and the Optimized Output Remaining Energy Quantity multiplied by the Energy Replacement Price. If the Generator Type is 'Oil', cost is the product of the Energy Replacement Price and the Optimized Output Remaining Energy Quantity.
Total Optimized Output Revenue	The Optimized Energy Revenue for the posturing event.
Posturing Credit	The credit is calculated as follows:

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REPORT COLUMN	DESCRIPTION
	MAX [0, (Total Optimized Output Revenue + Optimized Output Avoided Replacement Cost) – (Total Actual Revenue + Actual Avoided Replacement Cost)]
LEG Generators - Hourly Section	
Subaccount ID	The alpha numeric identifier for the subaccount.
Subaccount Name	The name of the subaccount.
Trading Interval	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Asset ID	Numerical identifier for the asset.
Asset Name	Name of the asset.
Generator Type	The registered type of the generator.
Fast Start Generator	Indicates if the asset was considered Fast Start Generator at the time of posturing. (Y/N)
Postured Reason	The reason the generator was postured, as follows: <ul style="list-style-type: none"> • Economic • LV VAR
Postured MW	The dispatch level at which the asset was postured to operate.
Added Energy Quantity (Pumps Only)	The energy added to the pond for a pumped storage asset during the Trading Interval.
Optimized Energy Output Quantity	The optimal output level determined by the asset's energy offer and operating parameters.
Optimized Energy Revenue	The product of the Optimized Energy Output Quantity and the Real-Time LMP.
Hourly Posturing Credit	The Posturing Credit for the day divided by the number of hours in the posturing event.
Ownership Share	A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with an asset.
Subaccount Share of Posturing Credit	Subaccount share of the Posturing Credit based on the Ownership Share of the asset.
Non-LEG Generators Section	
Subaccount ID	The alpha numeric identifier for the subaccount.
Subaccount Name	The name of the subaccount.
Trading Interval	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Asset ID	Numerical identifier for the asset.

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REPORT COLUMN	DESCRIPTION
Asset Name	Name of the asset.
Fast Start Generator	Indicates if the asset was considered Fast Start Generator at the time of the posturing commitment. (Y/N)
Postured Reason	The reason the generator was postured, as follows: <ul style="list-style-type: none"> • Economic • LV VAR
Postured MW	The dispatch level at which the asset was postured to operate.
Actual Energy Revenue	The sum of five-minute Actual Energy Revenue.
Actual Hourly Cost	The sum of the five-minute Actual Cost.
Optimized Energy Output Quantity	The optimal output level determined by the asset's energy offer and operating parameters.
Optimized Energy Revenue	The product of the Optimized Energy Output Quantity and the Real-Time LMP.
Optimized Energy Cost	The cost of energy based on the asset's energy offer and the Optimized Energy Output Quantity.
Optimized Hourly Cost	The sum of the Hourly Start-Up Cost, No Load Cost, and Optimized Energy Cost.
Posturing Credit	The credit is calculated as follows: $\text{MAX} [0, (\text{Optimized Energy Revenue} - \text{Optimized Hourly Cost}) - (\text{Actual Energy Revenue} - \text{Actual Hourly Cost})]$
Ownership Share	A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with an asset.
Subaccount Share of Posturing Credit	Subaccount share of the generator Posturing Credit based on the Ownership Share of the asset.
LEG Generators – Five-Minute Section	
Subaccount ID	The alpha numeric identifier for the subaccount.
Subaccount Name	The name of the subaccount.
Trading Interval	Specific five-minute interval for which the information is reported. (For daylight-saving crossover days: the long day extra hour = hh:mmX, the short day removes intervals from 01:00 to 01:55.)
Hour End	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Asset ID	Numerical identifier for the asset.
Asset Name	Name of the asset.
Energy Quantity	The Metered Quantity for Settlement for the five-minute trading interval.

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REPORT COLUMN	DESCRIPTION
Actual Energy Revenue	The product of the Energy Quantity and the Real-Time LMP, divided by 12.
Non-LEG Generators – Five Minute Section	
Subaccount ID	The alpha numeric identifier for the subaccount.
Subaccount Name	The name of the subaccount.
Trading Interval	Specific five-minute interval for which the information is reported. (For daylight-saving crossover days: the long day extra hour = hh:mmX, the short day removes intervals from 01:00 to 01:55.)
Hour End	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Asset ID	Numerical identifier for the asset.
Asset Name	Name of the asset.
Energy Quantity	The Metered Quantity for Settlement for the five-minute trading interval.
Actual Energy Revenue	The product of the Energy Quantity and the Real-Time LMP, divided by 12.
Start-Up Cost	The Final Start-Up Cost from the Real-Time NCPC Credit calculations.
No Load Cost	The Final No Load Cost from the Real-Time NCPC Credit calculations.
Actual Energy Cost	The cost of energy based on the asset's energy offer and the Energy Quantity, divided by 12.
Actual Cost	The sum of the Start-Up Cost, No Load Cost, and Actual Energy Cost.
SD_RTNCPCPOSTGENSUB Change Summary	
New.	Effective Date 06.01.2021