SD_FCMPFPACPPRELIM – Forward Capacity Market Pay for Performance Actual Capacity Provided Preliminary Report – Rev 4
SD_FCMPFPACPPRELIM _<customer id>_<settlement date>_<version>.CSV
<Customer Name>
Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT
Availability: Available shortly after the publication of the reports for the hourly settlements. Reports include all the trading intervals in the month that with a Capacity Scarcity Condition and published hourly settlements reports.

REPORT COLUMN	DESCRIPTION
Generating Resources	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Resource ID	Numerical identifier for the Resource.
Resource Name	Name of the Resource.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Resource Energy Quantity MW	The sum of the Energy Quantity for all Assets mapped to the Resource.
Resource Real-Time External Transaction MW	The sum of the Real-Time External Transaction Hourly Scheduled MW for all Assets mapped to the Resource.
Resource Real-Time Reserve Designation MW	The sum of the Real-Time Reserve Designation MW of all Assets mapped to the Resource. Market Rule 1 refers to these designations as the Reserve Quantity for Settlement.
Actual Capacity Provided	MAX (0, Resource Real-Time Reserve Designation MW + Resource Energy Quantity MW + Resource Real-Time External Transaction MW)
System Backed Export MW	External transactions associated with a generator where the external transactions sales exceed the resources energy output + reserves Min (0, Real Time Reserve Designations + Energy Quantity – External Transactions Sales)
Import Resources	

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REPORT COLUMN	DESCRIPTION
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Resource ID	Numerical identifier for the Resource.
Resource Name	Name of the Resource.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Net Energy Delivered	The sum of the Import Resource Real-Time External Transaction MW associated with the Participant.
Capacity Supply Obligation	The Resource's Capacity Supply Obligation value.
Participant Capacity Supply Obligation	The sum of the Resource Capacity Supply Obligation for the Participant. If there is a system-wide Capacity Scarcity Condition, the summation includes Resources from all Capacity Zones. If there is only a local Capacity Scarcity Condition, the summation only includes Resources from the impacted Capacity Zone.
Actual Capacity Provided	Net Energy Delivered x Capacity Supply Obligation / Participant Capacity Supply Obligation
Passive DR Resources	
Trading Date	Date of performance for which the data is displayed.
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.)

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REPORT COLUMN	DESCRIPTION
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Resource ID	Numerical identifier for the Resource.
Resource Name	Name of the Resource.
Resource Subtype	"Seasonal Peak Demand Capacity Resource" or "On Peak Demand Capacity Resource"
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Actual Capacity Provided	The sum of the Actual Capacity Provided for associated passive demand assets.
Active Demand Capacity Resrcs	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Resource ID	Numerical identifier for the Resource.

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REPORT COLUMN	DESCRIPTION
Resource Name	Name of the Resource.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Real-Time Reserve Designation MW	The sum of the Resource Real-Time Reserve Designation MW of associated Demand Response Resources. Market Rule 1 refers to these designations as the Reserve Quantity for Settlement.
Capacity Provided	The sum of the Capacity Provided of associated Demand Response Resources
Actual Capacity Provided	The sum of the Actual Capacity Provided for associated Demand Response Resources.
Demand Response Resources	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Asset ID	Numerical identifier for the Asset.
Asset Name	Name of the Asset.
Resource ID	Numerical identifier for the Resource.
Resource Name	Name of the Resource.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.

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REPORT COLUMN	DESCRIPTION
Real-Time Reserve Designation MW	The sum of the Real-Time Reserve Designation MW of all Assets mapped to the Resource. Market Rule 1 refers to these designations as the Reserve Quantity for Settlement.
Capacity Provided	For all Assets mapped to the Resource: RT Demand Reduction x (1.0 + T & D Loss Factor) + Net Supply
Actual Capacity Provided	The sum of the Capacity Provided and the Real-Time Reserve Designation MW
Generating Assets	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Asset ID	Numerical identifier for the Asset.
Asset Name	Name of the Asset.
Resource ID	Numerical identifier for the Resource.
Resource Name	Name of the Resource.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Real-Time Reserve Designation MW	The sum of the Real-Time TMSR Reserve Designation and the Real-Time TMNSR Reserve Designation and the Real-Time TMOR Reserve Designation. Market Rule 1 refers to these designations as the Reserve Quantity for Settlement.
Energy Quantity MW	The Metered Quantity for Settlement for the five-minute trading interval.

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REPORT COLUMN	DESCRIPTION
Real-Time External Transaction Scheduled MW	The Real-Time External Transaction Scheduled MW
Asset Limited by Transmission Constraint Flag	Indicates that the asset's Energy Quantity was capped because of a transmission constraint.
Adjusted Energy Quantity MW	Indicates the Energy Quantity MW adjusted because of a transmission constraint.
Actual Capacity Provided	Real-Time Reserve Designation MW + Adjusted Energy Quantity MW + Real-Time External Transaction MW Null if the Asset is associated with a FCM Resource
Non-Capacity Imports	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Schedule ID	The identifier of the external transaction not associated with an Import Resource.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Net Energy Delivered	MAX[SUM(Import Resource Real-Time External Transaction MW), 0] If there is a system-wide Capacity Scarcity Condition, the summation includes transactions from all Capacity Zones. If there is only a local Capacity Scarcity Condition, the summation includes transactions from the impacted Capacity Zone.
Scheduled MW	The Real-Time External Transaction Scheduled MW.
Total Positive Scheduled MW	SUM (Import Resource Real-Time External Transaction MW)

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REPORT COLUMN	DESCRIPTION
	If there is a system-wide Capacity Scarcity Condition, the summation includes import transactions from all Capacity Zones. If there is only a local Capacity Scarcity Condition, the summation includes import transactions from the impacted Capacity Zone.
Actual Capacity Provided	Net Energy Delivered x Scheduled MW / Total Positive Scheduled MW
Passive Demand Response Assets	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Asset ID	Numerical identifier for the Asset.
Asset Name	Name of the Asset.
Load Reduction Method	Distributed Generation, Energy Efficiency, Load Management
Resource ID	Numerical identifier for the Resource.
Resource Name	Name of the Resource.
Resource Subtype	On-Peak Demand Capacity Resource or Seasonal Peak Demand Capacity Resource
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Average Hourly Load Reduction	Populate in non-peak hours for assets where the Load Reduction Method is “Energy Efficiency”
Net Supply	For Distributed Generation passive Demand Assets only: IF Facility Net Supply > 0 for the asset’s Facility THEN

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REPORT COLUMN	DESCRIPTION
	MIN (DG Output, Share of Facility Net Supply based on the asset's pro-rata share of Facility DG Output at the Facility) ELSE 0
Load Reduction	For Distributed Generation passive Demand Assets: DG Output – Asset Share of Net Supply
Actual Capacity Provided	For Distributed Generation passive Demand Assets: Asset Load Reduction x (1.0 + T & D Loss Factor) + Asset Share of Facility Net Supply For Demand Asset enrolled in the Load Management program: (1.0 + T & D Loss Factor) x Load Reduction from Load Management For each Demand Asset where the Load Reduction Method is "Energy Efficiency", if the interval is in a peak hour: Load Reduction x (1.0 + T & D Loss Factor)
External Transactions Details	
Trading Date	Date of performance for which the data is displayed.
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.)
Capacity Scarcity Condition Type	A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are: • Zonal • Ten-Minute • Minimum Total Note: There can be more than one Condition Type during an interval. If the interval has both Condition Types, the Minimum Total is reported as the Condition Type.
Capacity Zone ID	The numerical identifier of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
Capacity Zone Name	The name of the Capacity Zone to which the Resource is interconnected for the Forward Capacity Market.
External Interface ID	Numerical identifier of the external Interface.
External Interface Name	Name of the external Interface.
External Node ID	The identification of the external node.
External Schedule ID	An identification assigned by the ISO to a scheduled external transaction.
Direction	The direction of the external transaction.

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REPORT COLUMN	DESCRIPTION
Scheduled MW	The scheduled transaction MW value.
System Backed Export Flag	Indicates whether external transactions will result in system backed export MW. System backed exports are calculated when export MW exceed import MW at the participant level in an interval.

SD_FCMPFPACPPRELIM Change Summary	**Effective Date**
Modified. In the 'Generating Resource' section, in the 'DESCRIPTION' column updated language for 'Actual Capacity Provided'.	10.01.2026
Modified. In the 'Generating Resource' section, added "REPORT COLUMN" record for System Backed Export MW. In the 'External Transaction Details' section, added "REPORT COLUMN" record for System Backed Export Flag. For "DESCRIPTION" column, added descriptions for new System Backed Export MW and System Backed Export Flag columns.	10.01.2026
Modified. In the 'DESCRIPTION' column, modified language for Passive Demand Response Assets to remove the word "Response".	01.01.2019
Modified. In the 'DESCRIPTION' column, added 'Market Rule 1 refers to these designations as the Reserve Quantity for Settlement.' for 'Real-Time Reserve Designation'. In the 'Generating Resources', 'Generating Assets' and 'Passive DR Resources' sections, updated the description for the 'Actual Capacity Provided'. In the 'Demand Response Resources' section, updated the description for the 'Capacity Provided'.	10.04.2018
New.	06.01.2018