

**SD\_FCMPFPACPPRELIM – Forward Capacity Market Pay for Performance Actual Capacity Provided Preliminary Report – Rev 3**

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
<b>Generating Resources</b>	
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	<p>A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are:</p> <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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	The sum of the Resource Real-Time Reserve Designation MW and the Resource Energy Quantity MW and the Resource Real-Time External Transaction MW
<b>Import Resources</b>	
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: <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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. <p>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.</p>
Actual Capacity Provided	Net Energy Delivered x Capacity Supply Obligation / Participant Capacity Supply Obligation
<b>Passive DR Resources</b>	
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
Capacity Scarcity Condition Type	<p>A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are:</p> <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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.
<b>Active Demand Capacity Resrcs</b>	
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	<p>A Capacity Scarcity Condition occurs when the RT Reserve Clearing Price is set based on the Reserve Requirement. The possible values are:</p> <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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.
<b>Demand Response Resources</b>	
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: <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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
<b>Generating Assets</b>	
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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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: <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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.

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REPORT COLUMN	DESCRIPTION
Energy Quantity MW	The Metered Quantity for Settlement for the five-minute trading interval.
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
<b>Non-Capacity Imports</b>	
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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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.

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REPORT COLUMN	DESCRIPTION
Scheduled MW	The Real-Time External Transaction Scheduled MW.
Total Positive Scheduled MW	SUM (Import Resource Real-Time External Transaction MW)  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
<b>Passive Demand Response Assets</b>	
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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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.

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REPORT COLUMN	DESCRIPTION
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 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)
<b>External Transactions Details</b>	
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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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: <ul style="list-style-type: none"> <li>• Zonal</li> <li>• Ten-Minute</li> <li>• Minimum Total</li> </ul> <p>Note: There can be more than one Condition Type during an interval. If the interval has multiple Condition Types, each applicable type is reported as the Condition Type. For example, “Zonal, Minimum Total” or “Zonal, Ten-Minute, Minimum Total”</p>
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.



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REPORT COLUMN	DESCRIPTION
External Schedule ID	An identification assigned by the ISO to a scheduled external transaction.
Direction	The direction of the external transaction.
Scheduled MW	The scheduled transaction MW value.

SD_FCMPFPACPPRELIM Change Summary	Effective Date
<b>Modified.</b> In the 'Generating Resources', 'Import Resources', 'Passive DR Resources', 'Active Demand Capacity Resrcs', 'Demand Response Resources', 'Generating Assets' 'Non Capacity Imports', 'Passive Demand Response Assets', and 'External Transaction Details' sections, updated the description of 'Capacity Scarcity Condition Type' clarifying that multiple types are possible.	03.05.2020
<b>Modified.</b> In the 'DESCRIPTION' column, modified language for Passive Demand Response Assets to remove the word "Response".	01.01.2019
<b>Modified.</b> 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
<b>New.</b>	06.01.2018