

**SD\_REGDTL – Regulation Unit Detail Report – RETIRED**

SD\_REGDTL\_&lt;customer id&gt;\_&lt;settlement date&gt;\_&lt;version&gt;.CSV

&lt;Customer Name&gt;

Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT

Availability: Daily

REPORT COLUMN	DESCRIPTION
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.
Subaccount ID	The alpha numeric identifier for the subaccount associated with the asset. This field shall contain a NULL value when subaccount reporting is not enabled.
Subaccount Name	The name of the subaccount. This field shall contain a NULL value when subaccount reporting is not enabled.
Regulation Service Offer Price	Customer offer price (\$/MW) to provide Regulation Service.
Regulation Interval Performance Score	Score ranging from 0 to 1 that evaluates how well a regulation asset followed its Automatic Generation Control (AGC) Setpoint within a Regulation Interval.
Regulation Service Cost	Resource specific cost of providing Regulation Service. It is the product of Regulation Service, Regulation Service Offer Price, and Regulation Interval Performance Score.
Regulation Capacity Offer Price	Customer offer price (\$/MW) to provide Regulation Capacity.
Regulation Inter-temporal Opportunity Costs	Customer offer price (\$/MW) of Regulation Inter-temporal Opportunity Costs.
Regulation Capacity Cost	Resource specific cost of providing Regulation Capacity. Regulation Capacity Cost is the product of Minutes on Regulation/60, Regulation Capacity, the sum of Regulation Capacity Offer Price and Regulation Inter-temporal Opportunity Costs, and Regulation Interval Performance Score.
Regulation Opportunity Cost	Effective March 1, 2017, the sum of the five-minute Regulation Opportunity Cost values for the hour. This value will be zero for non-generating resources.  Prior to March 1, 2017: Regulation Opportunity Cost is calculated when a resource participating in the energy market gets dispatched above or below its Economic Level while successfully providing regulation. This value will be zero for non-generating resources.
Regulation Opportunity Cost Type	Effective March 1, 2017, this value will be reported as NULL.  Prior to March 1, 2017: Specifies ROC types, as follows: OOM UPLIFT = Out Of Merit Uplift LOC = Lost Opportunity Cost N/A = Type Not Applicable (ROC = 0)
Total Regulation Cost	Resource specific sum of Regulation Service Cost, Regulation Capacity Cost and Regulation Opportunity Cost. This cost will be used to determine if the Resource will be paid a Make Whole Cost Payment.
Regulation Service	Regulation Service is the change in output or consumption made in response to changing AGC Setpoints.

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REPORT COLUMN	DESCRIPTION
Regulation Service Credit	Regulation Service Credit is product of the Regulation Service, Regulation Service Clearing Price and Regulation Interval Performance Score.
Minutes on Regulation	Portion of the clock hour that a resource is providing regulation.
Regulation Capacity	Hourly integrated value of the regulation capability while regulating.
Regulation Capacity Credit	Regulation Capacity Credit is the product of Minutes on Regulation/60, Regulation Capacity, Regulation Capacity Clearing Price, and the Regulation Interval Performance Score.
Regulation Payment	Resource specific sum of the Regulation Service Credit and the Regulation Capacity Credit. This payment will be used to determine if the resource will be paid a Make Whole Cost Payment.
Regulation Make Whole Cost Payment	Total Regulation Cost minus the Regulation Payment. If the Total Regulation Cost is less than the Regulation Payment, then the Regulation Make Whole Cost Payment is zero.
Regulation MWh	Hourly integrated value of the MWh delivered in relation to the Regulation Capacity.
Perfect AGC Output While Regulating	Output level at which the resource should be operating while regulating if following its AGC Setpoint value at its claimed Automatic Response Rate without delay.
Ownership Share	A right or obligation, for purposes of settlement, to a percentage share of all credits or charges associated with a resource.
Customer Share of Regulation MWh	Customer's share of the Regulation MWh based on the ownership share of the resource.
Customer Share of Regulation Service Credit	Customer's share of the Regulation Service Credit based on the ownership share of the resource.
Customer Share of Regulation Capacity Credit	Customer's share of the Regulation Capacity Credit based on the ownership share of the resource.
Customer Share of Regulation Opportunity Cost	Customer's share of the Regulation Opportunity Cost based on the ownership share of the resource.
Customer Share of Regulation Make Whole Cost Payment	Customer's share of the Regulation Make Whole Cost Payment based on the Ownership Share of the resource.
Regulation Opportunity Cost – OOM Uplift	The sum of the five minute Regulation Opportunity Cost designated as Out of Merit Uplift for the hour.
Regulation Opportunity Cost – LOC	The sum of the five minute Regulation Opportunity Cost designated as LOC for the hour.
Regulation Up Reserve Charge	The sum of the five minute Regulation Up Reserve Charge for the hour.
Customer Share of ROC OOM Uplift	Customer's share of the Regulation Opportunity Cost OOM Uplift based on the Ownership Share of the resource.
Customer Share of ROC LOC	Customer's share of the Regulation Opportunity Cost LOC based on the Ownership Share of the resource.
Customer Share of Regulation Up Reserve Charge	Customer's share of the Regulation Up Reserve Charge based on the Ownership Share of the resource.

SD_REGDTL Change Summary	Effective Date
<b>Retired.</b> This report will be issued for any settlement or resettlements of days through and including operating day November 30, 2017.	12.01.2017
<b>Modified.</b> Updated descriptions: “Subaccount ID”, “Subaccount Name”, “Regulation Opportunity Cost”, “Regulation Opportunity Cost Type”; added columns “Regulation Opportunity Cost – OOM Uplift”, “Regulation Opportunity Cost – LOC”, “Regulation Up Reserve Charge”, “Customer Share of ROC OOM Uplift”, “Customer Share of ROC LOC”, and “Customer Share of Regulation Up Reserve Charge”.	03.01.2017
<b>Modified.</b> No change in report structure. The description of “Regulation Opportunity Cost” was revised.	03.31.2015
<b>New.</b> The Rev 0 version was never released.	To be determined