

Fuel Cost Policy Penalty – New MSRS Reports

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- Fuel Cost Policy Penalty requested effective date of May 16th, 2017
- Details can be found in Schedule 2, Section 5 of the PJM Operating Agreement.
 - If PJM determines and the Market Monitoring Unit (MMU) agrees or the MMU determines and PJM agrees that a cost-based offer not compliant with the PJM-approved Fuel Cost Policy or other applicable cost-based offer guidelines in Schedule 2 of the Operating Agreement, a Fuel Cost Policy penalty is assessed. A penalty is also assessed if a Market Seller does not have a PJM-approved Fuel Cost Policy.

- $\text{Penalty Charge}_h = \text{Min} \frac{(D,15)}{20} * \text{LMP}_h * \text{Capacity MW}_h$
 - h is the applicable hour of the day for which the offer applies. Initially this is all hours during the days of the fuel cost policy violation.
 - D represents the number of days since the customer was notified of their fuel cost policy issue and the customer's return to being compliant. This value is 1 for non-compliant days prior to the notification date.
 - LMP is the real-time LMP at the applicable pricing location for the resource for the hour
 - MW is the resource's available capacity for the hour. This value is the daily installed capacity value of the RPM resource(s) mapped to the unit.

- Fuel cost policy penalties are allocated as credits based on real-time load ratio share in the applicable hour of the penalty.
- $\text{Penalty Credit}_h = \sum \text{Penalty Charges} * \frac{\text{Participant Load}}{\text{Total RTO Load}}$

- 2 new Billing Line Items will be added to support Fuel Cost Policy Penalty

BLI ID	Name	Extended Name
1390	Fuel Cost Policy Penalty	Fuel Cost Policy Penalty Charge
2390	Fuel Cost Policy Penalty	Fuel Cost Policy Penalty Credit



Fuel Cost Policy Penalty Charge Details

- New report Fuel Cost Policy Penalty Charge Details will support Billing Line Item 1390.

5 Report Columns

The following columns will appear in the body of the report:

Online and CSV Column Name	XML Column Name	Column Number	Data Type
Customer ID	CUSTOMER_ID	4000.01	INTEGER
Customer Code	CUSTOMER_CODE	4000.02	VARCHAR2(6)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40) mm/dd/yyyy HH24 format (Displays first hour of the day as hour 1 and last hour of the day as hour 24)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40) mm/dd/yyyy HH24 format (Displays first hour of the day as hour 1 and last hour of the day as hour 00 of the following day)
Unit ID	UNIT_ID	4000.63	NUMBER
Unit Name	UNIT_NAME	4000.64	VARCHAR2(60)
Unit Ownership Share	UNIT_OWNERSHIP_SHARE	3000.80	NUMBER
Fuel Cost Policy Penalty Factor	FUEL_COST_POLICY_PEN_FCT	1390.10	NUMBER
RT LMP (\$/MWh)	RT_LMP	3000.25	NUMBER
Available Capacity (MW)	AVAILABLE_CAPACITY	1390.11	NUMBER
Fuel Cost Policy Penalty Charge (\$)	FUEL_COST_POLICY_PEN_CH	1390.01	NUMBER(22,2)
Version	VERSION	4000.07	VARCHAR2(12)

- Fuel Cost Policy Penalty Charge

9 Supporting Calculations

Fuel Cost Policy Penalty Charge (1390.01) = Fuel Cost Policy Penalty Factor (1390.10) * RT LMP (3000.25) * Available Capacity (1390.11)



Fuel Cost Policy Penalty Credit Allocation Summary

- New report Fuel Cost Policy Penalty Credit Allocation Summary will support Billing Line Item 2390

5 Report Columns

The following columns will appear in the body of the report:

Online and CSV Column Name	XML Column Name	Column Number	Data Type
Customer ID	CUSTOMER_ID	4000.01	INTEGER
Customer Code	CUSTOMER_CODE	4000.02	VARCHAR2(6)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40) mm/dd/yyyy HH24 format (Displays first hour of the day as hour 1 and last hour of the day as hour 24)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40) mm/dd/yyyy HH24 format (Displays first hour of the day as hour 1 and last hour of the day as hour 00 of the following day)
RT Load (MWh)	RT_LOAD	2390.11	NUMBER
Total PJM RT Load (MWh)	TOTAL_PJM_RT_LOAD	2390.12	NUMBER
Total PJM Fuel Cost Policy Penalty Charges (\$)	TOTAL_PJM_FCP_PENALTY_CH	2390.13	NUMBER(22,2)
Fuel Cost Policy Penalty Credit (\$)	FCP_PENALTY_CREDIT	2390.01	NUMBER(22,2)
Version	VERSION	4000.07	VARCHAR2(12)

- Fuel Cost Policy Penalty Credit

9 Supporting Calculations

Fuel Cost Policy Penalty Credit (2390.01) = (RT Load (2390.11) / Total PJM RT Load (2390.12)) * Total PJM Fuel Cost Policy Penalty Charges (2390.13)