Member Information Reporting Application (MIRA)

MIC

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Monitoring Analytics

Member Information Reporting Application (MIRA)

- **Functionality being replaced or enhanced:**
  - **Fuel Policy document and editable fuel policy data**
  - **Power Plant Operations Report (Monthly Plant Report, like EIA-923)**
  - **Power Plant Operations Report (Unit-based performance metrics)**
  - **User-friendly administration**
    - **Self-service password reset**
    - **CAM-based account creation**

Member Information Reporting Application (MIRA)

- **Data export/import via XLS/XLSX/XML**
- **Future platform for hosting RPM/ACR application**

CODA Data Migration

- **The following data will be migrated from existing CODA:**
  - **PJM CAMs will have "Account Manager" accounts created in MIRA**
  - **CODA user accounts will have to be updated by CAMs**
  - **Data**
    - **Prior Monthly PPOR data, where possible**
    - **Fuel policies must be updated and resubmitted by market participants**

User Administration

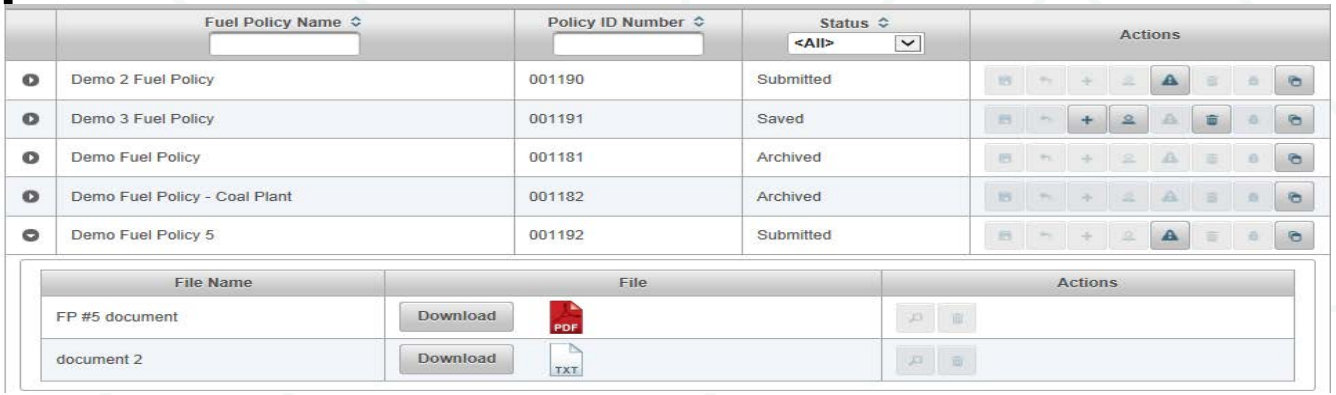
- **Self service password reset based on unique user email address.**
- **PJM Customer Account Manager (CAM) can create accounts and assign module access (Fuel Policy, PPOR-Monthly, PPOR-Continuous) to users at the company level.**
- **Permissions assigned to users for multiple competing companies will be reviewed by the MMU.**

MIRA Implementation Timing (Approximate)

Milestone	Approximate Date
PPOR-M, PPOR-C upload template formats available	October 10
Training Webinar	October 17
Sandbox Implementation	October 17
Data Migration	October 24
Production Implementation	October 31
Reporting Requirement resumes	November 14

New Input Screens: Fuel Policy Editing

- **Market Participant uploads Fuel Policy documents, and manages "Save-Submit-Review-Approve" workflow**



	Fuel Policy Name	Policy ID Number	Status	Actions
			<All>	
▶	Demo 2 Fuel Policy	001190	Submitted	
▶	Demo 3 Fuel Policy	001191	Saved	
▶	Demo Fuel Policy	001181	Archived	
▶	Demo Fuel Policy - Coal Plant	001182	Archived	
▼	Demo Fuel Policy 5	001192	Submitted	

File Name	File	Actions
FP #5 document	Download PDF	
document 2	Download TXT	

- **MMU reviews and approves (or rejects) submitted fuel policies prior to Market Participant assigning fuel policy to unit.**

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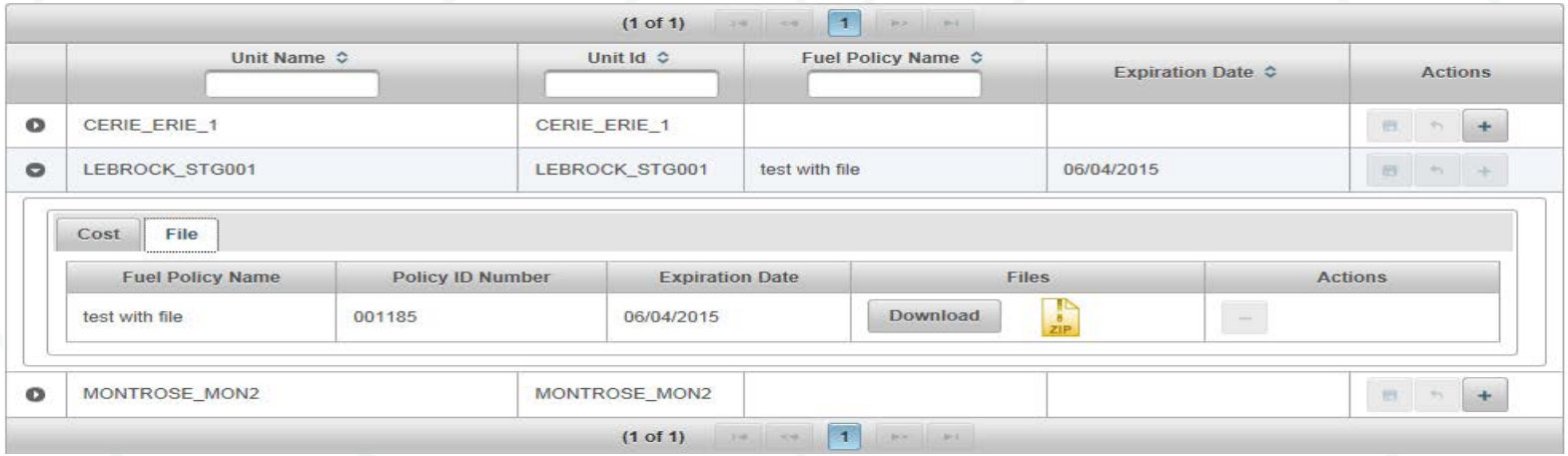
New Input Screens: Fuel Policy Management - File Tab

- **Market Participant assigns approved Fuel Policy to existing units on “File” tab.**
- **Fuel policy association with a unit cannot be changed for 365 days**



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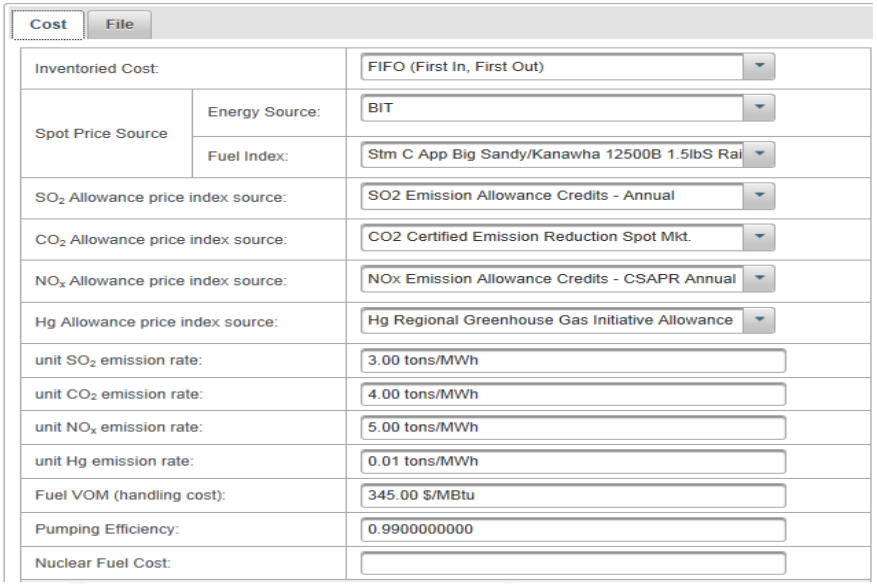
New Input Screens: Fuel Policy Management – Cost Tab

- **Market Participant reports unit specific cost drivers on Cost tab. These may change more frequently than the Fuel Policy itself.**



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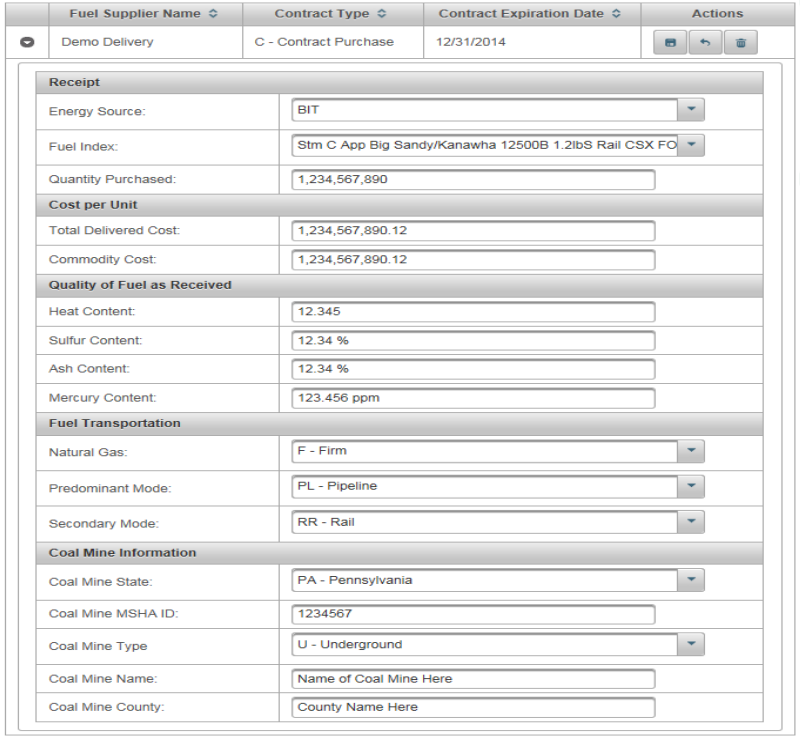
New Input Screens: PPOR Monthly Plant Data – Fuel Deliveries



Fuel Supplier Name	Contract Type	Contract Expiration Date	Actions
Demo Delivery	C - Contract Purchase	12/31/2014	

Receipt	
Energy Source:	BIT
Fuel Index:	Stm C App Big Sandy/Kanawha 12500B 1.2lbS Rail CSX FO
Quantity Purchased:	1,234,567,890
Cost per Unit	
Total Delivered Cost:	1,234,567,890.12
Commodity Cost:	1,234,567,890.12
Quality of Fuel as Received	
Heat Content:	12.345
Sulfur Content:	12.34 %
Ash Content:	12.34 %
Mercury Content:	123.456 ppm
Fuel Transportation	
Natural Gas:	F - Firm
Predominant Mode:	PL - Pipeline
Secondary Mode:	RR - Rail
Coal Mine Information	
Coal Mine State:	PA - Pennsylvania
Coal Mine MSHA ID:	1234567
Coal Mine Type	U - Underground
Coal Mine Name:	Name of Coal Mine Here
Coal Mine County:	County Name Here

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New Input Screens: PPOR Monthly Plant Data – Fuel Consumption

	Prime Mover Code	Boiler ID	Boiler Status	Actions
	CT - Combined-Cycle Combustion Turbine Part	1234567890	OP - Operating	

Consumption	
Energy Source:	NG
Other Energy Source Name:	Text can be entered here to clarify
Quantity Consumed:	1,234,567,890
Type of Physical Units:	Mcf
Quality of Fuel Consumed	
Average Heat Content:	12.345
Sulfur Content:	12.34 %
Ash Content:	12.34 %

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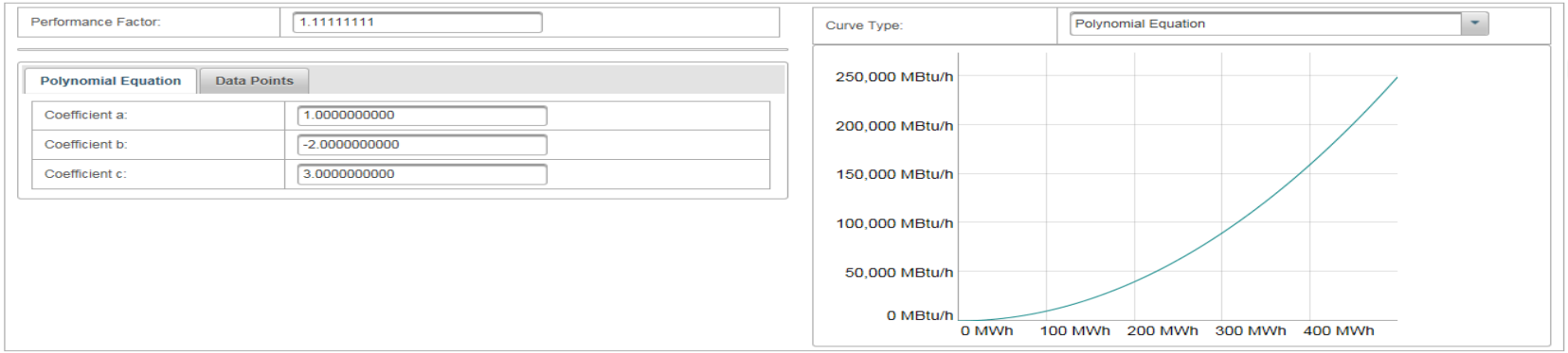
New Input Screens: PPOR Monthly Plant Data – Fuel Stocks

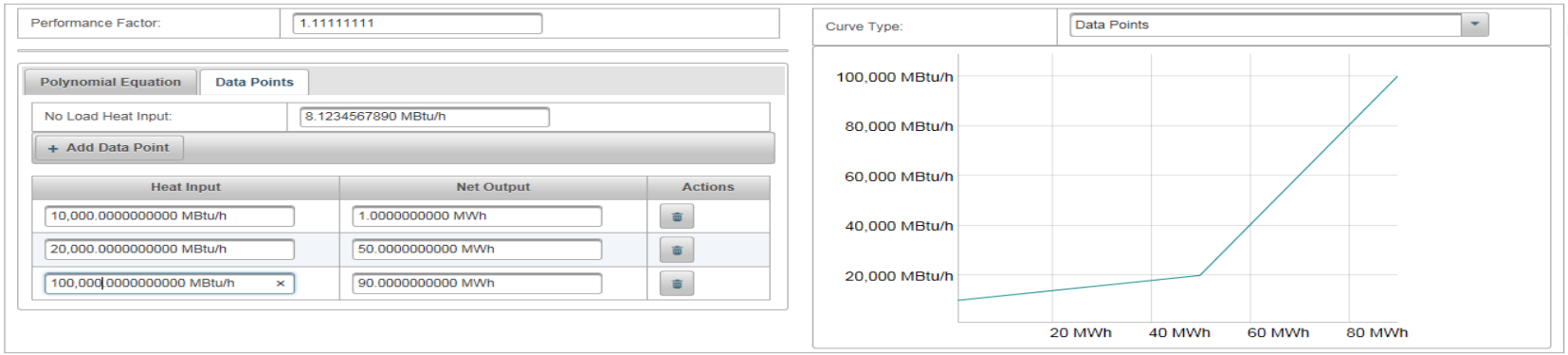
Calculations			
Type of Physical Units:	short tons		
Previous Month's Ending Stocks:	1,234	<<	0
Current Month's Receipts:	1,234,000,000	<<	1,234,567,890
Current Month's Consumption:	1,234	<<	0
Ending Stocks:	1,233,000,000		
Adjustment to Stocks:	123		
Balance:	1,234,560,000	<<	1,234,567,890
Explanations			
Adjustment Explanation:	Enter explanation here Red column presents expected values, based on data entered in prior month and other screens.		
Balance Explanation:	Enter explanation here		

New Input Screens: PPOR Unit Data: Cost Drivers

Fuel Amounts	
Start Fuel - Hot:	123,456,789.1234 mmBtu
Start Fuel - Intermediate:	123,456,789.1234 mmBtu
Start Fuel - Cold:	123,456,789.1234 mmBtu
Shutdown Fuel - Hot:	123,456,789.1234 mmBtu
Station Service During Start - Hot:	123,456,789.1234 MWh
Station Service During Start - Intermediate:	123,456,789.1234 MWh
Station Service During Start - Cold:	123,456,789.1234 MWh
Station Service Rate:	123,456,789.1234 $$/MWh
Costs	
Start VOM - Hot:	123,456,789.1234 $$/Start
Start VOM - Intermediate:	123,456,789.1234 $$/Start
Start VOM - Cold:	123,456,789.1234 $$/Start
Start Additional Labor Costs - Hot On Peak:	123,456,789.1234 $$
Start Additional Labor Costs - Hot Off Peak:	123,456,789.1234 $$
Start Additional Labor Costs - Intermediate On Peak:	123,456,789.1234 $$
Start Additional Labor Costs - Intermediate Off Peak:	123,456,789.1234 $$
Start Additional Labor Costs - Cold On Peak:	123,456,789.1234 $$
Start Additional Labor Costs - Cold Off Peak:	123,456,789.1234 $$
Supplemental Additional Labor Cost:	123,456,789.1234 $$
Condensing Operation Start Cost (CTs):	123,456,789.1234 $$
Condensing Operation VOM:	123,456,789.1234 $$/hr
Condensing Load:	12.3456 MW
No Load Costs	
Minimum Economic Capacity Limit Heat Input:	123,456,789.1234 mmBtu
No Load VOM:	123,456,789.1234
No Load VOM Units:	$$/mmBtu

New Input Screens: PPOR Unit Data: Heat Rate: Data Points or Polynomial





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New Input Screens: PPOR Unit Data: VOM

	Energy Source	Last Update Date	Actions
	BIT	10/01/2014 10:39:47	

Energy Offer Curve VOM:	1,234,567,890.12 $/MWh
Total Variable Maintenance:	1,234,567,890.12 $
Maintenance Period:	1.23 Years

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