



# Monitoring Analytics

Monitoring Analytics, LLC  
2621 Van Buren Avenue, Suite 160  
Valley Forge Corporate Center  
Eagleville, PA 19403  
Phone: 610-271-8050  
Fax: 610-271-8057

**DATE:** December 20, 2023  
**TO:** PJM Market Participants  
**FROM:** IMM  
**SUBJECT:** 2024 VOM Adders in MIRA

---

Starting January 1, 2024, PJM changes to the variable operating and maintenance (VOM) cost rules take effect. The changes are mainly the separation of major and minor maintenance and the use of defaults for minor maintenance cost and operating cost.

These changes take effect on January 1, 2024. Market Sellers with an approved operating cost, major maintenance adder and/or minor maintenance adder and Market Sellers that choose to use the default operating cost and/or the default minor maintenance adder should update the MIRA Cost Offer Assumption module with the new values prior to their use in 2024. The values should be submitted in MIRA if they are used in the calculation of cost-based offers.

The 2023 VOM adders expire on December 31, 2023. The use of expired adders after December 31, 2023, will result in penalties per Schedule 2 of the Operating Agreement if the submitted cost-based offer exceeds the maximum level allowed.

There are no changes in the MIRA Cost Offer Assumption module. In MIRA, the operating cost has to be submitted and used in the same units of measure approved by PJM (e.g. \$/MWh or \$/MMBtu). In MIRA, the major and minor maintenance adders will have to be added (as long as they use the same units of measure) and submitted in the Maintenance Cost fields. Figure 1 shows the VOM fields in the MIRA Cost Offer Assumption module.

**Figure 1 MIRA Cost Offer Assumption Module VOM Fields.**

Schedule ID	1		
Schedule Name	2X1 Gas		
Schedule Description	2 CTs and 1 ST gas fired		
	<b>Operating Cost</b>	<b>Maintenance Cost</b>	
Cost per MMBtu	<input type="text"/>	<input type="text"/>	
Cost per Hour	<input type="text"/>	<input type="text"/>	
Cost per MWh	<input type="text"/>	<input type="text"/>	
	<b>Equipment Temperature Status</b>		
	<b>Hot</b>	<b>Intermediate</b>	<b>Cold</b>
Station Service During Start (MWh)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Starting Operating Cost (\$/start)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Starting Maintenance Cost (\$/start)	<input type="text"/>	<input type="text"/>	<input type="text"/>

Any questions, please email the IMM at [MMU\\_Energy\\_Offers\\_Review@monitoringanalytics.com](mailto:MMU_Energy_Offers_Review@monitoringanalytics.com).