5.6 Maintenance Cost

5.6.2 Long Term Maintenance Expenses

Long Term Maintenance Expenses - Combustion Turbine and Combined Cycle Plant major inspection and overhaul expenses may not be included in variable maintenance expenses regardless of accounting methodology if they meet specific criteria.

In order to be included in variable maintenance expenses, these costs must represent actual expenditures that are due to incremental degradation of generating equipment directly related to generation, starts or a combination of both. Expenditures that are not directly related to such operation may not be included in variable maintenance expense. It must be clear that these costs would have been included in the appropriate FERC Accounts as described in this section. A detailed listing of all proposed long-term maintenance costs must be submitted to the PJM MMU for evaluation and final approval pursuant to the Cost and Methodology Approval Process.

Long Term Maintenance Expenses cannot be counted if they are included elsewhere in VOM. Previously approved Long Term Maintenance Expenses may be included in maintenance history.

Combustion Turbine and Combined Cycle Plant major inspection and overhaul costs categories include but are not limited to the following:

- Combustion Turbine Generator Inlet Air System
- Inlet Air Filter Replacement
- Evaporative cooling system media replacement
- Mechanical inlet air cooling chiller and pump inspection and overhaul
- Fuel System
- Fuel Gas Compressors Inspection and Overhaul
- Distillate Fuel Pumps Inspection and Overhaul
- Water Treatment
- Resin Replacement
- RO Cartridges Replacement
- Environmental
- SCR and/or CO Reduction Catalyst Replacement
- Combustion Turbine Generator ("CTG")
- Combustion Inspections including Parts, Labor, Rentals and Specialized technical expertise and support
- Hot Gas Path Inspection
- Major Overhaul
- Electric Generator Inspection and Overhaul
6.6 Maintenance Cost

**Long Term Maintenance Expenses** - Combustion Turbine and Combined Cycle Plant major inspection and overhaul expenses may **not** be included in variable maintenance expenses, regardless of accounting methodology if they meet specific criteria.

In order to be included in variable maintenance expenses, these costs must represent actual expenditures that are due to incremental degradation of generating equipment directly related to generation, starts or a combination of both. Expenditures that are not directly related to such operation may not be included in variable maintenance expense. **It must be clear that these costs would have been included in the appropriate FERC Accounts as described in this section. A detailed listing of all proposed long-term maintenance costs must be submitted to the PJM MMU for evaluation and final approval pursuant to the Cost and Methodology Approval Process.**

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- Fuel System
• Fuel Gas Compressors Inspection and Overhaul
• Distillate Fuel Pumps Inspection and Overhaul
• Water Treatment
• Resin Replacement
• RO Cartridges Replacement
• Environmental
• SCR and/or CO Reduction Catalyst Replacement
• Combustion Turbine Generator ("CTG")
• Combustion Inspections including Parts, Labor, Rentals and Specialized technical expertise and support
• Hot Gas Path Inspection
• Major Overhaul
• Electric Generator Inspection and Overhaul
• Cooling Tower
• Circulation Pump Inspection and Overhaul
• Cooling Tower Fan Motor and Gearbox Inspection and Overhaul
• Replacement of Cooling Tower Fill and Drift Eliminators