

## Matrix of Maintenance

| Maintenance Items/Actions to be Categorized             | ENERGY        |               | CAPACITY     |                |
|---|---------------|---------------|--------------|----------------|
|   | SRMC (HOURLY) | SHORT RUN VOM | ACR (ANNUAL) | APIR (>ANNUAL) |
| <b>Fossil Steam Unit</b>                                |               |               |              |                |
| Water Wall Tube Leak Repair                             |               | ■             | ■            |                |
| Water Wall or Pendant Replacement                       |               |               | ■            | ■              |
| Boiler Annual Inspection                                |               |               | ■            |                |
| Burner Repairs  |               | ■             | ■            |                |
| Burner Overhaul   |               |               |              | ■              |
| Water Chemistry Tasks                                   | ■             | ■             | ■            | ■              |
| DeMineralizer Resin Replacement                         |               |               | ■            | ■              |
| Flow Acceleration Corrosion NDE Survey                  |               |               | ■            |                |
| FD/ID Fan Repair  |               | ■             | ■            |                |
| FD/ID Fan Overhaul                                      |               |               |              | ■              |
| Air Heater Wash   |               | ■             | ■            |                |
| Air Heater Bucket Replacement                           |               |               |              | ■              |
| Rotating Equipment Oil Survey                           |               |               | ■            |                |
| Rotating Equipment Vibration                            |               | ■             | ■            |                |
| Generator Inspection                                    |               |               |              |                |
| Generator Rewind  |               |               |              |                |
| Feedwater Pump Overhaul                                 |               |               |              |                |
| Unplanned Steam Turbine Repair                          |               | ■             | ■            |                |
| Turbine Valve Repairs                                   |               | ■             | ■            |                |
| Steam Turbine Inspection/Overhaul                       |               |               |              | ■              |
| a) Open, Inspect, Clean, and Close                      |               |               |              |                |
| b) Seal Replacement                                     |               |               |              |                |
| c) Bearing Repairs                                      |               |               |              |                |
| d) Nozzle/Blade Repairs                                 |               |               |              |                |
| e) Nozzle/Blade Replacements                            |               |               |              |                |
| Coal Mill Overhaul                                      |               |               |              |                |
| Fuel Pumps Repair                                       |               | ■             | ■            |                |
| Fuel Pumps Overhaul                                     |               | ■             |              | ■              |
| Replacement of Cooling Tower Fill and Drift Eliminators |               |               |              | ■              |
| Condenser Cleaning                                      |               | ■             | ■            |                |
| Condenser Tube Replacement                              |               |               |              | ■              |
| Circulating Water Pump Overhaul                         |               |               |              |                |
| Precipitator Inspection                                 |               |               |              |                |
| CEMs Maintenance  |               | ■             | ■            |                |
| Catalyst Replacement                                    |               |               |              | ■              |
| Air Compressor Overhaul                                 |               |               |              |                |
| Water Plant Repairs                                     |               |               |              |                |
| Ash Handling System Repairs                             |               |               |              |                |
| Waste Treatment Facility Repairs                        |               |               |              |                |
|   |               |               |              |                |
|   |               |               |              |                |
| <b>Combustion Turbine</b>                               |               |               |              |                |
| Inlet Air Filter Replacement                            |               |               |              |                |
| Borescopic Inspection of Hot Gas Path                   |               |               |              |                |
| Turbine Overhaul  |               |               |              |                |
| Turbine Blade Replacement                               |               |               |              | ■              |
| Combustor Replacement                                   |               |               |              |                |
| Governor Controls Upgrade                               |               |               |              |                |
| Fuel Gas Compressors Overhaul                           |               |               |              |                |
| Air/Diesel Starting System Repairs                      |               | ■             |              |                |
| Clutch Inspection                                       |               |               |              |                |
| Clutch Overhaul   |               |               |              |                |
| Power Turbine Overhaul                                  |               |               |              |                |
| Generator Inspection                                    |               |               |              |                |
| Generator Rewind  |               |               |              | ■              |
| Stack Repairs   |               |               |              |                |
| Fuel/Water Tank Inspections                             |               |               |              |                |
| Fuel/Water Tank Repairs                                 |               |               |              |                |
|   |               |               |              |                |
|   |               |               |              |                |
|   |               |               |              |                |