



**Phase 3 Projects**

- COND-M-P/1A,B,C Remove, Repl, Refurb
- COND-M-P/2A,B,C Remove, Repl, Refurb
- COND-P-1A,B,C Remove, Repl, Refurb
- COND-P-2A,2B,2C Remove, Repl, Refurb

- Control Rod Blade Procurement
- Cooling Tower Fill Replacement
- Critical Spares
- CW-M-P/1A, 1B, 1C Remove, Repl, Refurb Motor
- CW-P-1A, 1B, 1C Remove, Repl Refurb Pump
- Digital Fault Recorder (Replaces Oscillograph)
- Eliminate Drywell Identified Leakage
- Keep-fill Pump Upgrades
- LPCS-M-P-1 Remove, Repl, Refurb
- LPRM Procurement

**Main Condenser Replacement**

- Main Transformers Online Dissolved Gas Monitor
- Modify CW Piping to support draindown/temp TSW
- On Line Noble Chem Application
- PDIS System Replacement
- Plant Fire Detection System Upgrade
- Plant License Extension/Renewal

**Rebuild Main Transformer M2**

- Removal of RSCS Rod Blocks from RMCS
- Replace Battery charger E-C2-1
- Refurbish DG 2 Generator

**Replace Main Generator Rotor**

- RFW-P-1A,1B Remove, Repl, Refurb
- RHR-M-P/2A,B,C Remove, Repl, Refurb
- RHR-P-2A,B,C Remove, Repl, Refurb
- RRC-M-P-1A/B Refurb
- Rx Building 606' Office Structure
- Seal Oil Skid Filter Replacement
- Shield DW Travel Paths
- SW-P-1A&1B
- TSW Pump Swap Logic
- Turbine Building Outage Temp Power
- Upgrade transformer yard oil collection
- Upgrade/Replace Plant Elevators
- Yokagawa Recorders

**Phase 1 Projects**

- Evaporator Steam Supply Control
- Replace Seal Steam Pressure controllers
- Replace Moisture Separator Reheater Tube Bundles
- Replace Main Generator Voltage Regulator

**O&M Projects**

- FPC-P-1A/B Baseplate & Suction Piping
- Complete Elect Wiring Diagram Drawings
- RCS Chemical Decontamination
- CRD Repair/Refurb
- Buried Piping Integrity Program
- ECCS Strainers - GSI 191 Impact
- Separate Redundant Fiber Optice Cables
- Velan Valve Actuator Removal
- IR Windows SR Enclosures
- PSA Upgrade-Scope & Capability
- Non-Segmented Bus Hardware
- Containment Vacuum Breakers
- Moisture Separator Reheater TCVs

**Phase 2 and 3 Projects**

- ISFSI Campaigns
- IDS Ground Reference Resolution
- Plant Fire Detection System Upgrade
- Critical Spares
- CW-P-1A, 1B, 1C Remove, Replace, & Refurbish Pump
- HPCS Voltage Regulator Replacement
- HPCS Governor Replacement
- Upgrade CFD Pre-coat Pump (CF-P-4)
- DMA/WMA Love Controller Replacement
- On Line Noble Chem Application
- Main Transformers Online Dissolved Gas Monitor
- HPCS-GEN-DG3 Synchronizing Check Circuitry
- Plant License Extension/Renewal
- Replace Process Rad Monitors
- Scram Discharge Volume Instrument Mods.
- Dose Reduction (Formerly Stellite Reduction Components)
- Power Block Elevator Enhancement
- RHR-P-2A, 2B, 2C Remove, Replace, Refurbish Pump
- RHR-M-P2A/B/C Remove, Refurbish Motor
- LPCS-M-P/1 Remove, Repl, Refurbish
- Stack Monitor Upgrade
- Replace Moisture Separator Reheater Tube Bundles
- Replace Main Transformer Study/Testing
- Replace the CAS/SA Compressors
- TSC Power Source (Management Discretion)
- Replace the Main Generator Voltage Regulator
- RCIC Turbine Speed Control Upgrade
- Steam Tunnel Fan Power Source
- CW-M-P/1A, 1B, 1C Remove, Replace, & Refurbish Motor
- Replacement of Whole Bodey Contamination Monitors
- Replace Cooling Breakers on Transformers
- Remote Vibration Monitoring Non-critical Fans
- DEH Equipment Incentive Payment, Contract #320931
- Isolation Power Supply on Loss of RPS B
- Upgrade trip logic RFT hi exh temp
- RHR-FCV-64A, B, C
- Evaporator Steam Supply Control
- Rx Building 441' Railroad Bay Monorail Power Outlet
- FPC-CP-1 Upgrade Timers and Controllers
- E-GEN-1 Install Torsional Vibration Monitoring Equipment
- Replace Heat Exchanger RCC-HX-1A,B,C
- HD Tank Discharge Pipe Support Design
- Replace ASD Fortress Display - Design Only
- Upgrade Auto Scram Timer

**Phase 3 Projects**

- ISFSI Campaigns
- Plant Fire Detection System Upgrade
- Critical Spares
- Upgrade CFD Pre-coat Pump (CF-P-4)
- On Line Noble Chem Application
- Main Transformers Online Dissolved Gas Monitor
- Replace Process Rad Monitors
- Scram Discharge Volume Instrument Mods.
- Dose Reduction (Formerly Stellite Reduction Components)
- Power Block Elevator Enhancement
- Replace the CAS/SA Compressors
- TSC Power Source (Management Discretion)
- Steam Tunnel Fan Power Source
- Replace Cooling Breakers on Transformers
- Isolation Power Supply on Loss of RPS B
- Upgrade trip logic RFT hi exh temp
- RHR-FCV-64A, B, C
- Evaporator Steam Supply Control
- FPC-CP-1 Upgrade Timers and Controllers
- E-GEN-1 Install Torsional Vibration Monitoring Equipment
- Replace Heat Exchanger RCC-HX-1A,B,C
- HD Tank Discharge Pipe Support Design
- Replace ASD Fortress Display - Design Only
- Upgrade AST
- MT-CRA-2 Load Cell Displays
- Replace Video Capture
- Replace Security System Computer (placeholder)

**Phase 2/1 Projects**

- DMA/WMA Love Controller Replacement
- Digital Backbone for Power Block
- Replace Transformer TR-N2
- Replace Transformer TR-S

**Phase 3: Implementation**

- TMU-P-1A, 1B, 1C Remove, Replace, & Refurbish Pump
- Plant Fire Detection System Upgrade
- Critical Spares
- TSW-P-1A, 1B Remove, Replace, Refurbish Pump
- TSW-M-P/1A,1B Remove, Refurbish, Reinstall Motor
- Replace Process Rad Monitors
- Power Block Elevator Enhancement
- Refurbish Main Transformer
- Alternate Decay Heat Removal System
- Replace SW/DCW Metal Bellows Expansion Joints
- Replace SW Piping Downstream SW-RO-2A
- Digital Backbone for Power Block
- TMU-M-P/1A, B, C Motor Remove, Replace, Refurbish

**Phase 2: Design/Engineering**

- Retire/Replace TDAS and PPC
- FPC-CP-1 Upgrade Timers and Controllers
- E-GEN-1 Install Torsional Vibration Monitoring Equipment
- HD Tank Discharge Pipe Support Design
- Replace ASD Fortress Display - Design Only
- Upgrade AST
- MT-CRA-2 Load Cell Displays
- Replace RRC-FT-14A-D & 24A-D
- E-GEN-1, Replace Main Generator Lead Bushings
- Replace Video Capture
- Replace Security System Computer

**Phase 1: Scope/Estimate**

- SRM/IRM Replacement
- Replace Transformer TR-N2
- Replace Transformer TR-S
- Replace FP-ENG-110 and Controller
- Reactor Manual Control Syst Upgrade
- Replace Heat Exchanger RCC-HX-1A,B,C
- Replace Generator Voltage Regulator

**All Budgets are Projections ONLY and MUST be Authorized by the EN Executive Board**