

# Facilities Management & Logistics

## 12 MSD Projects

December 8, 2011

# Facilities Management & Logistics

## Major Work Activities - Accelerator

### 1. Accelerator Tie Feeder

- Upgrade the Tie Feeder that is routed between the 22 MVA Substation and the 40 MVA Substation. Feeder is used to back feed the two substations whenever there is a power outage at either of the substations due to planned maintenance or an unplanned outage.
- Location: North side of Cebaf Blvd / 40 MVA Substation
- Start : May 2012
- Complete by: July 2012
- Outage Required: 8 hours ( 40 MVA)

### 2. Replace Tunnel Dehumidifiers

- Replacing 7 units in Tunnel
- Location: Tunnel
- Start : June 2012
- Complete by: October 2012
- Outage Required: None

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## Major Work Activities - Accelerator

### **3. 12 GeV Back-up Towers & Header Modifications**

- Install (2) back-up cooling towers at N/S Access Buildings. Modify headers at Accelerator Cooling Towers to enable cooling using 12 GeV towers with supplemental skids when UIM Cooling Towers are replaced.
- Location: N/S Access Cooling Towers & End Station Cooling Towers
- Start : June 2012
- Complete by: October 2012
- Outage Required: N/S Access Towers = 4 days/ End Station = 1 day

### **4. CHL#1 Cooling Tower Upgrade**

- Replacing existing cooling towers
- Location: CHL Cooling Towers
- Start: December 2012 (Post CHL#2 coming online)
- Complete by: May 2013
- Outage Required: Electric (8 hrs); Electric (3 days); Cooling Towers (8 hrs)

# Facilities Management & Logistics

## Major Work Activities - Accelerator

### **5. Counting House Sustainability Improvements**

- Renovation of Counting House building and systems
- Location: Counting House (Bldg 97)
- Start: June 2012
- Complete by: April 2013
- Outage Required: Localized Power

### **6. Replace Bldg 85 HVAC and Roof**

- Replacing HVAC system and reroofing
- Location: Bldg 85 (MCC)
- Start: June 2011
- Complete by: December 2011
- Outage Required: Bldg closed except for Control Room

# Facilities Management & Logistics

## Major Work Activities - Accelerator

### 7. Bldg 68 Extension

- Addition to Bldg 68 for equipment
- Location: Bldg 68
- Start : *UNFUNDED*
- Outage Required: Chilled Water/LCW; Electric

### 8. Repair Tunnel Penetration Leaks

- Repair several penetration leaks throughout tunnel
- Location: Tunnel
- Start : July 2012
- Complete by: May 2013
- Outage Required: Localized Outages

# Facilities Management & Logistics

## Major Work Activities – Test Lab

### 1. Test Lab Rehab

- Renovation of Test Lab
- Location: Test Lab
- Start : April 2012
- Complete by: March 2013
- Outage Required: Bldg closed except North Annex

### 2. Injector Test Facility

- Expand Injector Test Cave in Test Lab
- Location: Test Lab Injector Cave
- Start : *UNFUNDED*

### 3. Test Lab Cool Roof

- Upgrade Test Lab roof to meet cool roof standards
- Location: Test Lab
- Start : *UNFUNDED*

# Location of Repairs

