R2E2 Update

Stakeholder Committee

April 14, 2014
Agenda

• R2E2 Updates Since Last Meeting
  – 30% design workshops
  – Project scope reductions and increases
  – Construction Cost estimate

• Fluidized Bed Incinerator
  – Bids received
  – Design Status
  – Model Walk-through

• Contract 33 Primary Switchgear and Utility Relocation
  – Bids received
  – Construction Status
Agenda (cont.)

• Schedule—What’s next?
  – Major equipment pre-purchase and pre-select
  – Final design
  – Construction

• Open Discussion
30% Design Workshops

• There were 14 workshops planned and the team conducted the last five of these workshops, received comments, and incorporated changes in the following unit processes:
  – Solids Off-Loading
  – Digester Feed Pumps (existing TWAS pumps)
  – HVAC Related Systems
  – Civil/Site
  – Odor Control
  – Fluidized Bed Incineration
Project Scope Reductions/Increases

• The more significant change items are as follows:
  – Contract 33 Switchgear and Utilities low bid = decrease
  – Digester tanks quotation = increase
  – Centrifuge pre-select quotation = decrease
  – Co-generation pre-select quotation = increase
  – Added Siloxane gas cleaning = increase
  – Other pending changes are subject to zero delta review – an overall cost review is being performed to maintain cost target
The team continues to look for ways to reduce costs

Below is the most up-to-date cost estimate:

- Facility Plan = $147,000,000 in 2011 dollars
- BODR (includes increased FBI and dryer sizing)
  - $124,000,000 in 2011 dollars
  - $144,000,000 in 2016 dollars (midpoint of construction)
- Current estimate is being reviewed to maintain the target of $147,000,000 in 2016 dollars
Fluidized Bed Incinerator Procurement

- Recommendation for award was made and approved in December commission meeting
- Award was made to Infilco Degremont, Inc. and contract executed in January 2014
- Submittal review is ongoing and model development is progressing well
- Fluidized Bed Incinerator (FBI) model walk through
Primary Switchgear and Utility Relocation (Contract 33)

- Initial contract to transition GBF electrical supply into new switchgear, relocate utilities and access roads, and construct new storage building
  - Pre-qualified general, electrical and mechanical contractors were selected in December 2013
  - Three bids were received – very tight bids from $6.25 to $6.75 million
  - Award recommended and approved in the March commission meeting to the lowest responsive and responsible bidder – Miron Construction
Primary Switchgear and Utility Relocation (Contract 33)

• Contract execution and Notice to Proceed (NTP) is anticipated this April
• Preconstruction meeting scheduled for April 21, 2014
• Contract requires Substantial Completion in 12 months from NTP (April 2015)
• Contract requires final completion in 15 months from NTP (July 2015)
Procurement Schedule

• Issued pre-selection documents to qualified vendors:
    • Pre-selection of Caterpillar was recommended and notice of intent to purchase is progressing
    • Pre-selection of Centrysis was recommended and notice of intent to purchase is progressing
Design Schedule (Contract 34)

- Nutrient treatment options technical memorandum and workshop was completed– February 2014. Vendor pre-selection document development is proceeding
- Remaining 30% design review workshops were completed January - March 2014
- Process Hazard Analysis scheduled for early May 2014
- 60% design review workshops scheduled April-June 2014
- Design completion Fall 2014
- Construction start Spring 2015
Open Discussion
Schedule – What’s Next

• Post today’s presentation on website
  – Continue to update our customers through external newsletter and website

• Next Customer Meeting
  – Summer 2014
R2E2 Update

Thank you for coming!