



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



Cost Estimate

- 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:
 - Co-gen package: Issued Dec. 2013; Proposals Due Jan. 2014
 - Pre-selection of Caterpillar was recommended and notice of intent to purchase is progressing
 - Centrifuge package: Issued Dec. 2013; Proposals Due Jan. 2014
 - 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!