Project Update

Presented by
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Meeting Date: January 27, 2020
Lake Limestone Improvements

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60% Design Submittal Soon
Morris Sheppard Side Seal Plate Improvements

Fabrication and Construction Underway
Spillway Pump and Piping

Request For Proposals Posted
Risk-Based Asset Management Program

Moving Forward…Risk-Based AMP

- Implement a risk-based asset management program
- Rank assets based on risk (likelihood of failure x consequence of failure x redundancy)
- Prioritize rehabilitation replacement projects based upon risk
- Develop a long term capital replacement plan

MicroMain (Current System)

- Maintenance Management Software – Tracks asset costs, preventative/demand maintenance, labor tracking, warranty, parts, etc.
Program Framework Development

Facilities Application Pilot (EWC WTP)  Dam Application Pilot (PK)

Program Framework Evaluation and Refinement and Initial Risk Profile for Pilot Facilities

Program Deployment (All Assets)

Continuous Learning

Program Renewal

Program Review

Program Refinement
Integrated Water Resource Plan (IWRP)

Development of a comprehensive Integrated Water Resources Plan

1) Leverage advanced planning, modeling, and decision-making techniques to build a plan that addresses potential future demand and operational scenarios.

2) Improve water supply resiliency through integration into BRA’s risk management framework.

3) Convey recommendations in a manner that simplifies critical decision making.

4) Assess the incorporation of non-raw water/non-surface water solutions into BRA’s primarily raw surface water-based Water Supply System.

5) Engage customers/stakeholders in a transparent and proactive process.

6) Provide information that can integrate into the Regional and State Water Planning process.