

Project WIN

IOAP Project Reviews



MSD Internal Project Review Process

- Five review meetings with MSD staff
 - Engineering and construction managers
 - Regulatory Service project managers
 - MSD Development review staff
 - Operations managers
- Each project reviewed considering the following
 - Interface with current projects
 - Phasing to address urgent needs with early action components
 - Timing of known cost-share opportunities
 - Operational considerations



Project Phasing Changes

- Mellwood System Improvements and Pump Station Eliminations
 - Accelerate Mellwood PS and Force Main improvements to facilitate cost share opportunity with planned hotel addition (2012)
 - Keep rest of project at current completion date (2024)
- Camp Taylor System Improvements
 - Add fourth phase to capture final rehab recommendations and complete off-line storage if still required



Project Phasing Changes

- Anchor Estates In-Line Storage and Pump Station Eliminations
 - Complete Vannah Way pump station elimination per current schedule (2013)
 - Revise project scope to eliminate both Anchor #1 and Anchor #2 pump stations, as this allows for new customer connections in the future. Elimination schedule revised to 2016 due to added easement acquisition requirements
- Outer Loop and Caven Avenue Wet Weather Storage
 - Break into three phases to allow pipe upgrades earlier
 - Continue with two storage projects on current schedule, re-evaluating storage need in 2020



Project Phasing Changes

- Raintree & Marion Ct PS Elimination
 - Break into two phases (interceptor and PS elimination) to allow for potential cost sharing of interceptor. Keep schedule the same in case cost share does not happen.
- Goose Creek PS & Wet Weather Storage
 - Break into two phases (storage and pump station improvements) to allow for potential cost sharing of interceptor. Keep schedule the same in case cost share does not happen.



Replace Storage with Pump Station Elimination

- Original cost evaluation did not consider condition of pump stations and cost for required rehabilitation if retained in operation
- Revised pricing changed B/C evaluation to favor elimination of several pump stations
 - Cinderalla Pump Station
 - Government Center Pump Station
 - Avanti Pump Station
 - Leven Pump Station
 - Running Fox Pump Station



Additional Project Review Changes

- Schedule modifications
 - Accelerate Lee Ann Way System Improvements from 2021 to 2015 to address worsening overflows in residential neighborhood
 - Defer Meadow Stream PS Upgrade from 2012 to 2016 to facilitate cost share opportunity and ensure correct upgrade sizing
 - Bardstown Road Pump Station may be accelerated from current schedule (2021) by cost share agreement



Additional Project Review Changes

- Cost estimate review revised B/C evaluation to favor pump station expansion over storage
 - Fairmont Road Pump Station
 - Eden Care Pump Station
- Condition assessment questioned need for 2 projects
 - Lantana #1 SSO may be corrected by pipe rehabilitation
 - Leland Road Relief Sewer may have been corrected by removing blockage



Regulators Agree Continued MSD Project Reviews Appropriate

- Discussed with EPA/KDEP during review meeting in March
- Revisions will be included in IOAP re-submittal in June 2009

