Water Reclamation Facility Public Forum

Special City Council Meeting Question and Answer Facilitated by the League of Women Voters April 25, 2018





Agenda

- Presentation
 - History
 - Project Goals
 - Project Description
 - Funding
 - Permitting
 - Next Steps
 - Prop 218
 - Regional Board Update
- Question and Answer

Existing WWTP

- 64 years old
- Not designed to meet today's secondary treatment requirements
- Expired 301(h) waiver from federal and state standards
- Discharge of 1 MGD of water into ocean
- Susceptible to coastal hazards



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History (1954 – 2006) – 301(h) Waiver



- 1976: Facility upgrades
- 1984: Facility upgrades
- Jan 2003: Regional Board sends 301(h) letter to MBCSD initiating upgrade

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 June 2003: MBCSD submits application to Regional Board to renew 301(h) modified discharge permit

History (2006 – 2011) – Existing Site



- **2006:** Process to replace existing WWTP begins
- April 2006: MBCSD agrees to shorten time schedule for upgrade project from 9.5 years to 8 years
- 2007 2010: Focus on replacing the existing WWTP on the current site
- Dec 2010: EIR triggers letter from Coastal Commission staff

History (2011 – 2015) – Alternative Sites FACILIT

- 2011-12: Studies consider alternative sites; EIR prepared for upgrade at current site
- Jan 2013: Coastal denies permit to rebuild at current site
- Dec 2013: Site Options Report evaluates 17 sites
- May Dec 2014: Report recommends Morro Valley; City considers regional facility at CMC

History (2015 – 2016) – Post CSD

- April 2015: Cayucos decides to pursue separate project
- Feb 2016: Additional site analysis sparked by neighborhood concerns in Morro Valley
- May 2016: South Bay Boulevard site determined to be most achievable in 5-year timeframe
- June 2016: City Council selects South Bay Boulevard site for detailed studies, site planning (Facility Master Plan), and EIR analysis

History (2016 – Present) – Project Definition FACILITY

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- November 2016: Draft Facility Master Plan completed
- March 2017: Draft Master Water Reclamation Plan completed (partially grant funded)
- April 2017: Draft Rate Study Update presented

Historical Themes and Project Drivers



- Regulatory factors
- Permitting challenges
- Separate Cayucos project

- Drought
- Cost impacts
- Citizen input

Project Goals



- All aspects of the WRF project shall be completed ensuring economic value with a special emphasis on <u>minimizing rate payer and City</u> <u>expense</u>
- <u>Communicate WRF project progress</u> including general project status, milestones, and budget/cost information to our community members regularly
- Produce <u>tertiary, disinfected wastewater</u> in accordance with Title 22 requirements for unrestricted urban irrigation

Project Goals (cont.)



- Design to produce reclaimed wastewater to <u>augment the City's water</u> <u>supply</u>, by either direct or indirect means, as described in a master water reclamation plan and to maximize funding opportunities
- Include features in the WRF project that maximize the City's opportunities to <u>secure funding</u> and maximize efficiencies
- Design to minimize the impacts from <u>contaminants of emerging</u> <u>concern</u> in the future
- Ensure compatibility with <u>neighboring land uses</u>

New Water Reclamation Facility

- Draft Facility Master Plan completed Dec 2016
- Full tertiary treatment with advanced treatment for potable reuse
- Outside area of coastal hazards
- Minimal aesthetic impacts



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Reclamation Overview

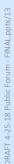
- Master Reclamation Plan evaluates multiple reuse options
- Potable reuse ranks highest
- Potential to offset ~80% of City's current water demand
- Initial hydrogeology studies completed
- Additional study required to assess seawater intrusion and nitrogen impacts



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Project Components

- WRF Package
 - Demolition of existing WWTP
 - New WRF
- Conveyance
 - Raw wastewater pump station
 - Raw wastewater pipeline
 - Brine pipeline to outfall
- Recycled Water Offsite
 - Pipelines to injection wells
 - Injection wells



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Recent Activities

- Public Works Peer Review
- South Bay Boulevard site confirmed
- Project goals updated
- Conveyance design contract awarded to Waterworks Engineers
- WRF Design-Build team procurement
- Draft EIR
- City Council hires Carollo Engineers as Program Manager



Next Steps

- Conveyance design (ongoing)
- Grant and loan pursuit (ongoing)
- Initiate additional groundwater studies for potable reuse
- Review and evaluate WRF proposals
- Negotiate and award contract to WRF Design-Build team
- Certify Final EIR



Next Steps

- Update Rate Study
 - Blue Ribbon Commission Review
 - Staff Review
 - Advisory Body Review
 - City Council Reviews

Prop 218 Discussion



Regional Board Update



Questions and Discussion

