Purpose of Meeting

- Present and discuss:
  - Project description
  - Status of project
  - Remaining work tasks
  - Approximate schedule
  - Upcoming issues
Project Description

- Final Phase of Groundwater Injection Study
- Environmental Impact Report (EIR)
- Final Design (Construction Documents)
Status of Project

- Estimated wastewater flows
- Estimated reuse demands
- Ground survey (topographic, utilities location, etc)
- Sewage collection system alignment, sizing
- Treatment plant site layout
- Groundwater model
  - Injection at Civic Center area
  - Percolation in Winter Canyon area
  - Preliminary estimates of injection/percolation capacities
Parcel-by-Parcel Flows Have Been Estimated
Reuse Demands Have Been Quantified

- Demands by parcel
- Phasing of demands
- Allows layout of recycled water distribution system
Next Phase of Injection Study will Include Deep Monitoring Wells
... Additional Modeling of Groundwater Mounding...
... and Additional Modeling of Groundwater Direction of Flow
Treatment Process Design will be Finalized
Site Layout for Treatment Plant will be Finalized

Phase I Biological Membrane Process – 225,000 gpd design capacity
Phase II – 150,000 gpd additional design capacity

Headworks
Membrane Bioreactor
Operations Bldg
UV Disinfection
Solids Handling
Recycled Water Storage
Recycled Water Pump Station
Road
Approx scale 50 ft.
Collection System Plan and Profile will be Completed, Pump Stations Sited
Technical Advisory Committee Meetings will be Important

- Provides expert technical input/review
- Identifies/addresses key concerns
  - Regulators
  - Heal the Bay
  - Wastewater Engineers/Experts
  - Other stakeholders
- Provides findings and recommendations
  - Project content
  - EIR
Environmental Impact Report

- Assessment of project impacts to build-out conditions
  - Consistent with City’s General Plan
- Formal project description
- Will use findings of final phase of groundwater injection testing/modeling
  - May impact EIR schedule
- Draft EIR will include public display and comment
- Final EIR will include response to comments
## Tentative Schedule – To Be Confirmed!

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Original MOU Date</th>
<th>Approx Revised Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schedule and list outreach meetings/materials</td>
<td>30 Sept 2011</td>
<td>Completed</td>
</tr>
<tr>
<td>Submit recycle/reuse study</td>
<td>31 Dec 2011</td>
<td>Completed</td>
</tr>
<tr>
<td>Conceptual groundwater injection plan</td>
<td>30 June 2012</td>
<td>Completed</td>
</tr>
<tr>
<td>Certified EIR</td>
<td>31 March 2013</td>
<td>31 December 2013</td>
</tr>
<tr>
<td>Complete design of wastewater treatment facilities</td>
<td>30 June 2013</td>
<td>29 March 2014</td>
</tr>
<tr>
<td>Start up Phase 1 collection and treatment</td>
<td>5 November 2015</td>
<td>2016</td>
</tr>
<tr>
<td>Start up Phase 2 collection and treatment</td>
<td>5 November 2019</td>
<td>2020</td>
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</tbody>
</table>
Upcoming Issues

- Schedule
- California Dept of Public Health
  - Injection of effluent to required water quality standards
- RWQCB treatment requirements
- Final phase of injection testing
- EIR – preparation and public comments
Thank you