Welcome

► Welcome

► Question and answer period following presentation

► Facebook Live:

1. Valleywater.org/anderson-dam-project
2. Submit a question online and we will address it during the question and answer period

► Survey: tell us how we did
Agenda

► Project Components
► Key Project Impacts
► Ongoing Investigations and CEQA Studies
► Anderson Dam Project Schedule
► Q&A
Anderson Dam Existing Configuration

Image Source: Google Earth
Project Components

**Low Level Outlet Pipe**
- Remove all liquefiable material; reconstruct embankment over the remaining dam; raise crest for additional freeboard

**High Level Outlet Pipe**

**Replace Spillway**

**Temporary Diversion System**
Embankment Construction Sequence

Year 3
April – October
Stage 1 Excavation

Year 1 and 2
Diversion System Construction

Year 4
April – June
Stage 2 Excavation

Year 4
July – October
Stage 2 Fill

Year 5
April – October
Stage 3 Fill

Year 5
Final Configuration

LEGEND
Z1 Existing Upstream Shell
Z2 Existing Upstream Core
Z3 Existing Downstream Core
Z4 Existing Downstream Shell

NOTES:
Z1 and Z4 are both Rockfill/Gravel Fill
Z2 and Z3 are both Compacted Clay Core
**Spillway Replacement**

**Spillway replacement to meet current design standards:**

- **New Concrete Walls**
- **New Left Concrete Gravity Wall**
- **New Right Concrete Buttress and Transition Wall**
- **New Chute Slab**
- **Repair Existing Crest Structure**
60% Design DSOD Request

- Spillway Chute
- Slab
- Foundation Geology of Unlined Spillway Chute
- “The Falls”
Key Project Impacts
Coyote Creek Modifications – Erosion Protection

Erosion protection required along 1,300 feet of Coyote Creek

Construction Diversion Pipe releases into Coyote Creek
Project Impacts - Overview
Project Impacts – Adjacent to/in Reservoir

<table>
<thead>
<tr>
<th>Earthwork Activities Adjacent to the Dam</th>
<th>Approximate Total Volume (cy)</th>
<th>Period of Work Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockpiling</td>
<td>6,950,000</td>
<td>Years 3 through 5</td>
</tr>
<tr>
<td>Borrow</td>
<td>1,200,000</td>
<td>Years 4 and 5</td>
</tr>
<tr>
<td>Disposal and Haul Routes</td>
<td>1,000,000</td>
<td>Years 3 through 5</td>
</tr>
</tbody>
</table>

Reservoir Dewatered from Spring Year 3 to Fall Year 5
## Project Impacts – Downstream

<table>
<thead>
<tr>
<th>Earthwork Activities Downstream of the Dam</th>
<th>Approximate Total Volume (cy)</th>
<th>Period of Work Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockpiling</td>
<td>250,000</td>
<td>Years 3 through 5</td>
</tr>
</tbody>
</table>

Reservoir Dewatered from Spring Year 3 to Fall Year 5
Import Materials Project Impacts

Key Potential Project Impacts:
- Traffic - road closures, delays, congestion
- Air Quality - equipment, dust
- Noise - trucks, equipment, conveyor, etc.

Legend
- Red: Project Area
- Blue: Burnett Ave. Import Route
- Yellow: Cochrane Rd. Import Route
Project Impacts – Conveyor

William F. James Boys Ranch and Santa Clara County Justice Training Center to remain open

Conveyor Alignment

Malaguerra Avenue limited to one-way traffic
Conveyor Impacts to Malaguerra Avenue

Conveyor bridge over Sycamore Avenue

Malaguerra Avenue westbound lane closed from Cochrane Road to Silverwings Court
Typical Conveyor
Project Impacts – Trails

- Coyote Creek Trail temporarily re-routed
- Serpentine Trail and Live Oak Trail temporarily closed
- Toyon Picnic Area and Live Oak Picnic Area temporarily closed
Cochrane Road Closure During Construction

Approximate Limits of Cochrane Road Closure
Post-Construction Roads and Parking

- Pedestrian access restored
- Permanently closed to vehicular traffic (pedestrian access OK)
- Expanded parking lot
- Widened to two lanes

Image Source: Google Earth
Ongoing Investigations and CEQA Studies
Upcoming Archeological Investigations

Subsurface Investigations

Visual Surveys
Upcoming Geotechnical Investigations

- In-reservoir Stockpile and Borrow Areas
- Replacement Spillway
- Outlet Works
- Downstream Bridges
- Embankment
Fish Habitat Assessments and Reservoir Landslide Risks

- Los Animas Creek
- Landslide Area
- Upper Coyote Creek
- Downstream Coyote Creek
- HWY 101
Revised CEQA/NEPA/Permitting Timeline

---

**Calendar year**

- **2013**: Design
- **2017**
- **2018**
- **2019**
- **2020**
- **2021**
- **2022**
- **2023**
- **2024**
- **2025**
- **2026**
- **2027**

**CEQA**
- Draft EIR
- Final EIR

**NEPA**
- Draft EA
- Final EA

**Permitting**
- All Permits Final
- Contracting

**Construction**

---

27 | Morgan Hill Public Meeting 10-24-2018
www.valleywater.org/anderson-dam-project

- Sign up to receive project updates via email.
- View project reports, maps, history and other information.

Jose Villarreal
JVillarreal@valleywater.org
(408) 630-2879