Outline

1. Who We Are
2. Challenges in SBC
3. Addressing Challenges – Historically
4. Today’s Challenges
5. What’s at Risk?
6. What We’re Doing - Future
Who We Are...

- Groundwater Sustainability Agency for San Benito County
- Federal Contractor for Imported Central Valley Project Water for municipal and agricultural customers in San Benito County
- Owners of the Lessalt and West Hills Surface Water Treatment Plants for municipal drinking water
- Distributors of Recycled Water for agriculture and irrigation accounts
- Managers of the San Benito County River System
All Water is Linked - San Benito County
Collaboration - Regional Projects & Programs

Water Resource Association San Benito County:
City of Hollister
City of San Juan Bautista
Sunnyslope County Water District
San Benito County Water District

Hollister Urban Area Water Project
City of Hollister
Sunnyslope County Water District
San Benito County Water District

The Pajaro River Watershed IRWM Regional Water Management Group:
Santa Clara Valley Water District (SCVWD)
Pajaro Valley Water Management Agency (PVWMA)
San Benito County Water District (SBCWD)
#2 CHALLENGES IN SBC
Long-term hydrographs tell basin history
# The Challenge of Balancing Basin Water Demand and Supply In San Benito County

<table>
<thead>
<tr>
<th>DEMAND</th>
<th>Acre Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal and Industrial</td>
<td>9,000</td>
</tr>
<tr>
<td>Agricultural</td>
<td>31,000</td>
</tr>
<tr>
<td>Total Demand</td>
<td>40,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUPPLY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Groundwater Basin</td>
<td>20,000</td>
</tr>
<tr>
<td>CVP Imports (10 year avg)</td>
<td>14,000</td>
</tr>
<tr>
<td>CVP Deficit (per year)</td>
<td>(6,000)</td>
</tr>
<tr>
<td>CVP Imports Needed</td>
<td>20,000</td>
</tr>
<tr>
<td>Total Supply</td>
<td>40,000</td>
</tr>
</tbody>
</table>
Our Groundwater

Our Groundwater Basin Provides Significant Storage

San Luis Reservoir 2,000,000 AF

Groundwater 500,000 AF

Local Reservoirs 43,600 AF

1 year supply
#3 ADDRESSING CHALLENGES-HISTORICALLY
San Benito County – Water History

Pre-San Felipe Project

- Hernandez Reservoir
- Paicines Reservoir
- Paicines Canal
- Paicines Canal Diversion Facilities
- Dos Picachos Diversion
- Wells
San Benito County – Water History
San Felipe Project

- Addressed overdraft in the basin
- 1977 Ballot Measure (Approval was 82%)
- San Felipe assets:
  - Pacheco Pumping Plant
  - Pacheco Tunnel
  - Hollister Conduit
  - San Justo Reservoir
  - Distribution System
  - Costs $120M (1987)
  - 43,800 Acre-feet USBR contract
WATER CONSERVATION

Water Resources Association San Benito County:

Water use in Hollister Urban Area

- 1998 = 220 gallons per person per day
- 2015 = 105 gallons per person per day
- Over 12,000 high consumption toilets replaced
- Over 1,000 water softeners have been demolished

CONSERVATION PROGRAMS LOWER WATER USE, BUT WILL NOT SUPPLY ALL THE WATER THAT IS NEEDED TO BALANCE THE BASIN
Water Supply for the Urban Area

Water Supply Diversity Increases Reliability

- Imported San Felice Project Water: $120M (1987)
- Surface Water Treatment Plants: $41M (2016)
- Municipal Groundwater Wells
- Direct Groundwater Percolation
- Water Reuse – High Value Crops

Treated Surface Water

Community Potable Water Use

Raw Wastewater

Water Reclamation Plant: $100M (2009)

Recycled Water
#4 TODAY’S CHALLENGES
Impacts to CVP and SWP Water Supplies

REDEDICATION OF CVP & SWP SUPPLIES SINCE 1992

- ESA - Salmon
- CVPIA "B(2)"
- CVPIA Refuge "L2"
- CWA - WQCP
- CVPIA - Trinity
- ESA - Delta Smelt
- ESA - Salmon, etc.
- San Joaquin River

Years: 1992 to 2010
## SAN BENITO COUNTY
### CVP IMPORTED WATER SUPPLY
#### CHANGES

<table>
<thead>
<tr>
<th>CVP IMPORTED WATER SUPPLY</th>
<th>Water Years</th>
<th>Water Years</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1999-2008</td>
<td>2009-2018</td>
</tr>
<tr>
<td></td>
<td>(10 year Average Acre Feet per Year)</td>
<td></td>
</tr>
<tr>
<td>CVP Avg Delivered</td>
<td>23,000</td>
<td>14,000</td>
</tr>
<tr>
<td>CVP Avg Needed</td>
<td>20,000</td>
<td>20,000</td>
</tr>
<tr>
<td>CVP Supply Surplus/Deficit (per year)</td>
<td>3,000</td>
<td>(6,000)</td>
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<tr>
<td><strong>CVP Supply Surplus/Deficit Cumulative (10 years)</strong></td>
<td>30,000</td>
<td>(60,000)</td>
</tr>
<tr>
<td><strong>% of Contract Amount</strong></td>
<td>53%</td>
<td>32%</td>
</tr>
<tr>
<td><strong>Contract = 43,800 AF</strong></td>
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Sustainable Groundwater Management Act (SGMA)

- Landmark legislation in 2014
- Framework for sustainable management of groundwater by local agencies
- Requires formation of local groundwater sustainability agencies (GSAs).
- SBCWD is the GSA for San Benito County
- Preparation of a groundwater sustainability plan is in progress (GSP)
5. WHAT’S AT RISK?
### San Benito County

#### What’s at Risk...

<table>
<thead>
<tr>
<th>Category</th>
<th>2017</th>
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</thead>
<tbody>
<tr>
<td>Field Crops</td>
<td>$31,044,250</td>
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<tr>
<td>Fruit and Nut Crops</td>
<td>$53,305,250</td>
</tr>
<tr>
<td>Vegetable and Row Crop</td>
<td>$244,418,500</td>
</tr>
<tr>
<td>Cattle</td>
<td>$21,577,750</td>
</tr>
<tr>
<td>Other Livestock &amp; Poultry</td>
<td>$995,000</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>$351,340,750</strong></td>
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</tbody>
</table>
Infrastructure at Risk:

San Felipe Project Water Reclamation Plant
Recycled Water Surface Water Treatment Plants
What’s at Risk...

Impact on Municipal and Industrial Economy???
6. WHAT WE ARE DOING?

FUTURE
Pacheco Reservoir Expansion

Seek to Address Five Big Challenges:

• Restore Federally Threatened Fish

• Improve Resiliency and Emergency Water Supply

• Reduce Flooding to Disadvantaged Communities

• Eliminate Water Quality Issues in San Luis Reservoir

• Improve the Delta
FUTURE PROJECTS:

North County Groundwater Supply

West Hills WTP Expansion
7. LEGISLATIVE ASSISTANCE
A Healthy Water Supply Benefits the Environment AND Economic Development

Imported Water Helps Meet The Needs for Water Users & the Environment

The San Benito County Water District Seeks Solutions That Meet Co-Equal Goals
Specific Legislation Challenges

- Looking for “win-win” legislation on water issues so the environment and water users both win
- Consistent goals between state agencies
- Better coordination between state and federal agencies