Presentation Overview

- Who We Are
- CVP South of Delta Allocation
- Groundwater Conditions
- Sustainable Groundwater Management Act
- What to Watch for
- Q&A
Westlands at a Glance

- Largest agricultural water district in the United States, 600,000 acres
- Comprised of 700 family-owned multi-generational farms
- Westlands Farms produce an average of 60 high-quality commercial food and fiber crops
A Few of the Crops We Grow

**Almonds** 88,163 acres

**Tomatoes** 65,539 acres

**Pistachios** 50,935 acres

**Grain Hay** 18,770 acres

**Grapes** 17,690 acres

**Garlic** 15,193 acres
Where our Water Comes From

- Central Valley Project (CVP)
- CVP serves municipal water users in major urban centers in the Bay Area as well as farms and homes in the Central Valley
State- Federal Waterways Map
Westlands’ Annual Water Allocation from CVP

2006 - 2018

- 2006: 100%
- 2007: 50%
- 2008: 40%
- 2009: 0%
- 2010: 40%
- 2011: 80%
- 2012: 20%
- 2013: 10%
- 2014: 0%
- 2015: 0%
- 2016: 10%
- 2017: 100%
- 2018: 40%
WESTLANDS WATER DISTRICT
2019-2020
WATER SUPPLY OUTLOOK
Northern Sierra 8-Station
Precipitation Index for Water Year 2019 - Updated on April 2, 2019 09:48 PM
Note: Monthly totals may not add up to seasonal total because of rounding
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST

Northern Sierra Precipitation
Sierra Snow Pack, 2019

- **Northern Sierra**: 164% of Normal
- **Central Sierra**: 165% of Normal
- **Southern Sierra**: 153% of Normal

Statewide Average: 162% / 162%
Current CVP Reservoir Conditions

- **Lake Shasta**
  - 89% of Capacity / 109% of Average

- **Trinity Lake**
  - 79% of Capacity / 100% of Average

- **Folsom Lake**
  - 76% of Capacity / 117% of Average

- **New Melones Lake**
  - 83% of Capacity / 132% of Average

- **San Luis Reservoir**
  - 99% of Capacity / 110% of Average

- **Millerton Lake**
  - 64% of Capacity / 91% of Average
CVP SOUTH OF DELTA ALLOCATION AND SUPPLY FORECAST
CVP Allocation for South of Delta Contractors

- Initial CVP South of the Delta Ag Allocation
  - 35% = 418,000 acre-feet or 51,600 hectare-meter

- Allocation increase on March 15, 2019
  - 55% = 657,000 acre-feet or 81,200 hectare-meter
GROUNDWATER CONDITIONS
Groundwater Conditions Since 1955

![Graph showing groundwater elevation and pumping conditions from 1955 to 2020. The graph includes data points for average elevation of piezometric groundwater surface in feet and groundwater pumping in acre/feet, with trends indicating changes over time.]
SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)
SGMA’s Objectives

- Local Management of the Groundwater Basin
- Requires sub-basins to be **sustainably** managed by 2040
Westside Subbasin
GSA Responsibility and Authority

- Develop
  - Groundwater Sustainability Plan (GSP)
    - Achieve sustainability by 2040
  - Water Budget
  - Groundwater Model

- Adopt rules, regulations, monitor network and report to the State

- Coordinate with adjacent sub-basins

- GSA Authority
  - Impose Fees
  - Well Inspections
  - Monitor Wells
WHAT TO WATCH FOR
Phase 1 – San Joaquin River
- 30-50% Unimpaired flows
- Potential loss of up to 1 million acre feet
- Affecting: Eastside Central Valley

Phase 2 – Sacramento River
- 45-65% Unimpaired flows
- Potential loss of up to 3.1 million acre feet
- Affecting: Northern California, Sacramento Valley, San Francisco Bay Area, Silicon Valley, Westside and Southern Central Valley, Southern California
If accepted by SWRCB, the agreement will provide:

- Improved water supply reliability
- Increased instream flow in nearly every major stream tributary to the Sacramento – San Joaquin Rivers Delta and Delta outflow
- Habitat improvements
- Secured ongoing funding to implement water purchase programs, habitat restoration, and science programs
October 2018 President Trump issued a Presidential Memorandum requiring re-consultation of the biological opinions that govern the operation of the CVP.

Will address water issues affecting
- farmers
- cities
- rural communities and
- wildlife refuges

Biological Assessment released last week by USBR: April/May Inflow/Export ratio

Deadline for implementation – August 2019
THANK YOU!

@WESTLANDS_WATER
Subsidence in perspective

- 16 Years: 2.3 feet
- 4 Years: 0.6 feet
- 5 Years: 1.9 feet
- 25 Years: 4.8 feet