### SLVWD – SVWD Joint Board Meeting May 19, 2016

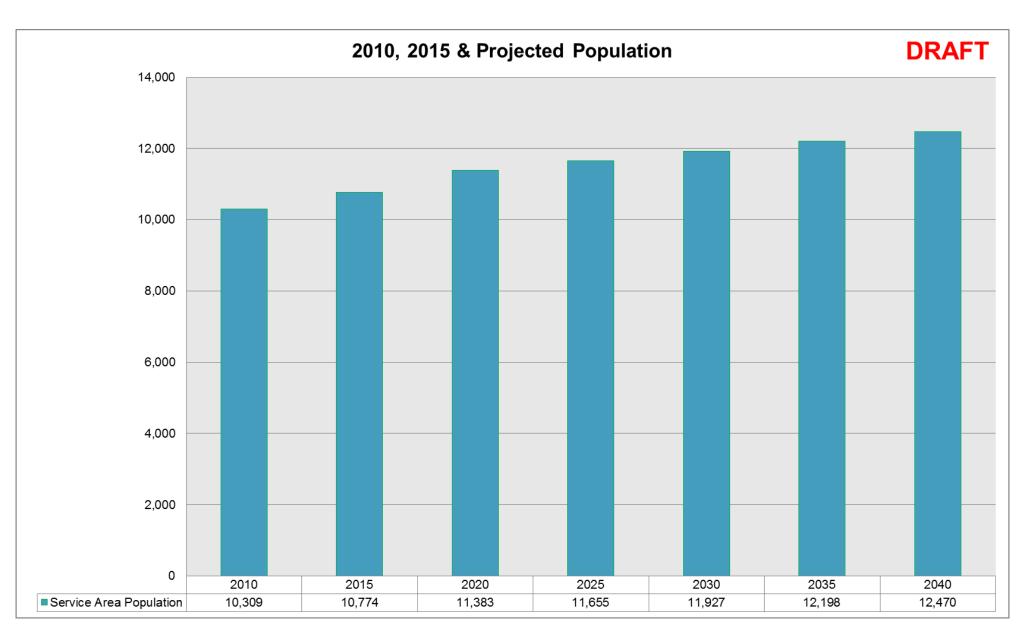


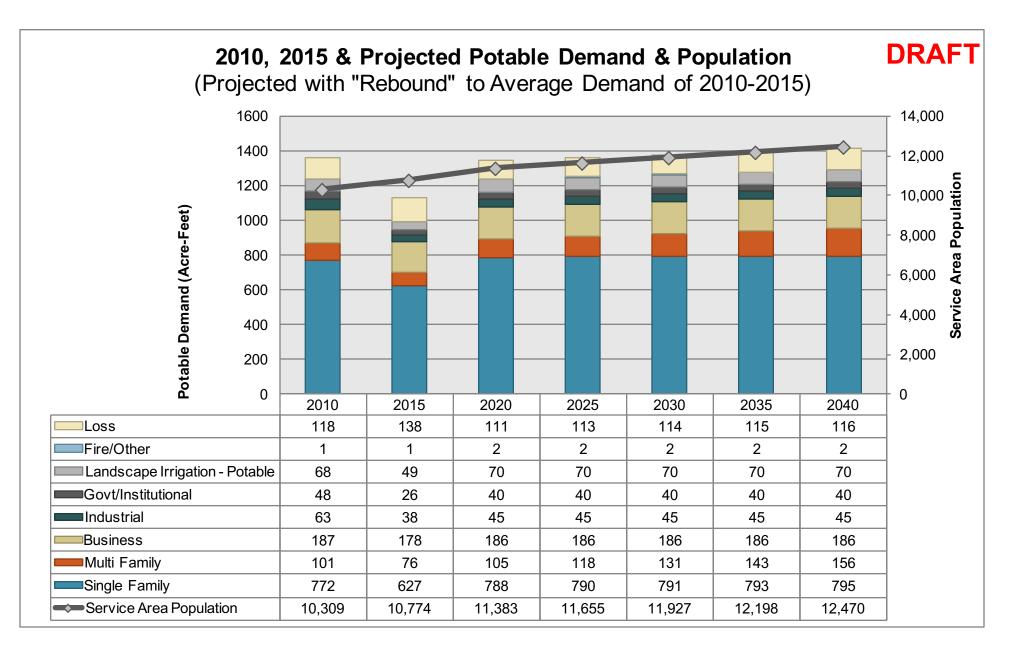
Main components of regional interest

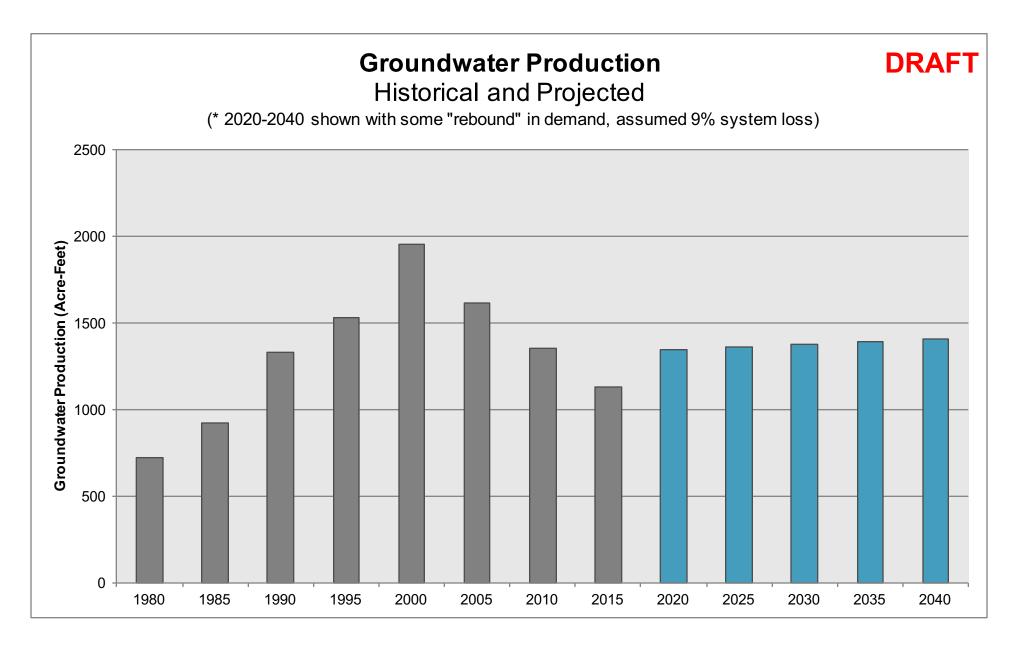
- Population Projection
- Demand Projection
- Potable and Recycled Water Supplies
- Water Shortage Contingency Planning

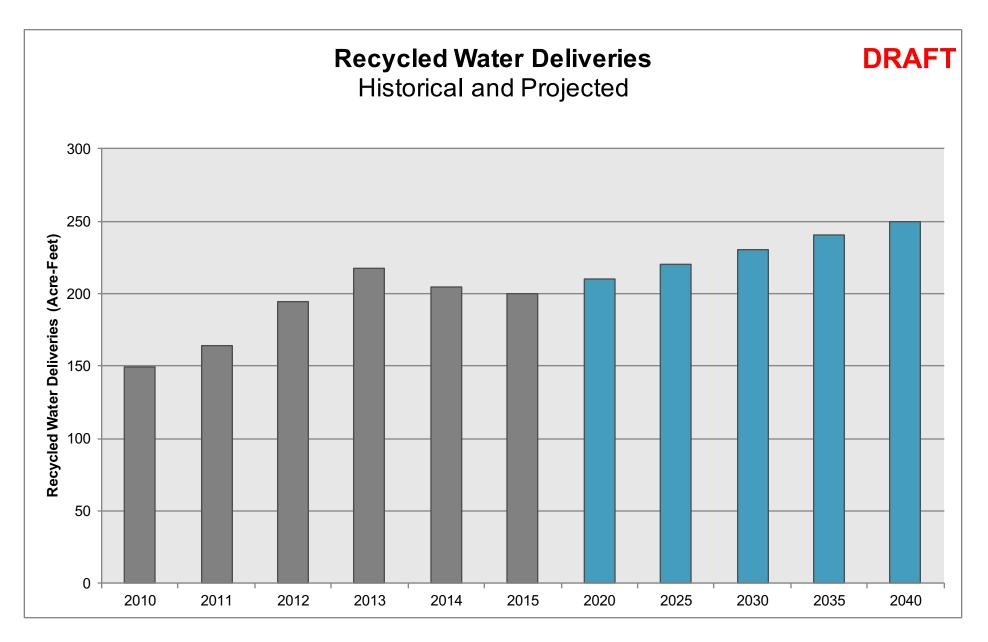
# Population & Demand Growth

- Current service area population 10,774
- 2040 projected service area population 12,470
- 2015-2020 demand projection
  - Based on the Development Projects with existing Service Applications with District
  - Based on 75GPCD for SFR, 45GPCD for multires
- 2020-2040 demand projection
  - Based on potential projects in the pipeline









#### Water Shortage Contingency Plan SVWD 2015 UWMP Update

- Water Shortage Contingency Criteria
  - Goal to prevent substantial decline of GW levels
  - Rainfall data is most direct method
  - GW level data more complex
    - Varies in different aquifers
    - Impacted by other pumpers
- Update 2010 UWMP Criteria
  - Did not trigger mandatory reductions last 4 years
  - Include GW level modifier

#### Proposed Water Shortage Stages SVWD 2015 UWMP Update

Stage	Proposed Precipitation Condition	System Demand Reduction Level	
Jiage 1	Cumulative 2-Year Rainfall <80% of average, or Single Year rainfall <75% of average	10% demand reduction	
2	Cumulative 2-Year Rainfall <70% of average, or Single Year rainfall <60% of average	15% demand reduction	
3	Cumulative 3-Year Rainfall <70% of average, or Single Year rainfall <50% of average	20% demand reduction	
4	Stage 3 water supply conditions based on precipitation with groundwater levels below range	25% demand reduction	

- GW Level Modifier: adjust stage (up/down) based on spring gw levels relative to historic low level
- Reductions from baseline of average demand of last 5 years with > 80% of precipitation

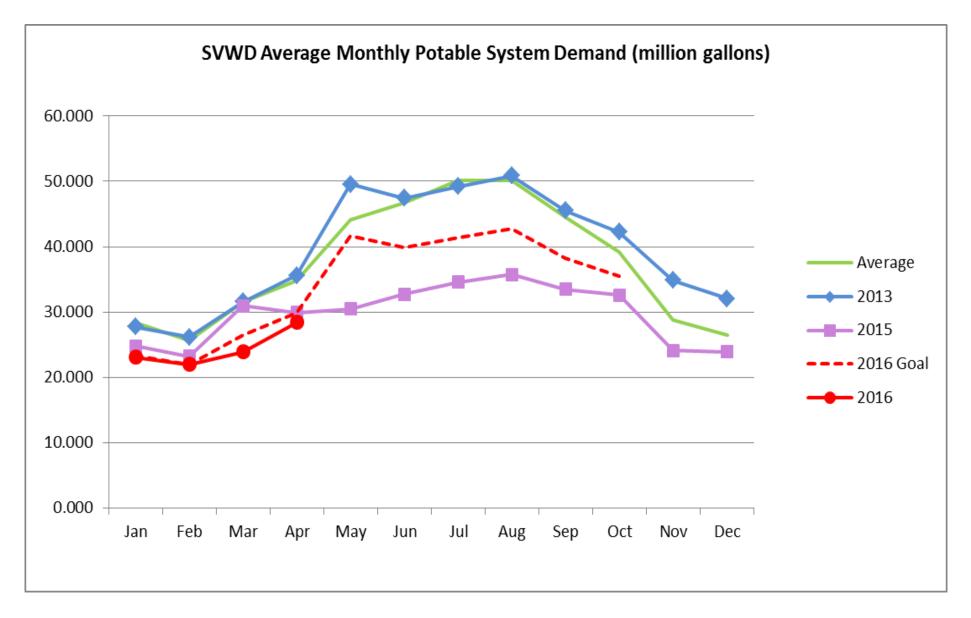
## SVWD Supply and Demand

#### 2016 Supply Status

- Rainfall 42.08 inches
- 101% of average
- 85% of 2-year cumulative average
- 73% of 3-year cumulative average

2015 Annual GW Report – gw levels relatively stable (2-3 ft drop 2011-2015 in Lompico)
2014 total system demand reduction 17%
2015 total system demand reduction 24%

### SVWD Potable System Demand



### Santa Margarita GW Basin

Scotts Valley Sub-Basin Demand-Supply Balance

	2012	2015	Theoretical Max Balance
	4004	1400	4.000
SVWD	1361	1133	1622
SLVWD	387	310 *	461
MHA	174	174 *	207
Others	259	259 *	309
Total Pumping (AFY)	2181	1876	2600
Sustainable Yield (AFY) **	2600	1820	2600
			Hypothetical:
* Estimated figures			30% Reduction
<b>**</b> Without GW recharge			Due to Drought

### SVWD 2016 Water Efficiency Program

- To meet the requirements of Governor's Executive Order B-37-16 modifying and extending 2015 regulations for urban water suppliers through January 2017
- Think Twice Program (June 2016-Jan 2017)
  - Weekly Irrigation Schedule
  - District and State Rebates
  - Water Waste Watch