



# San Lorenzo Valley Water District

Draft 2015 Urban Water Management Plan  
Presentation to Scotts Valley Water District Board  
October 13, 2016

# Urban Water Management Plan - Why

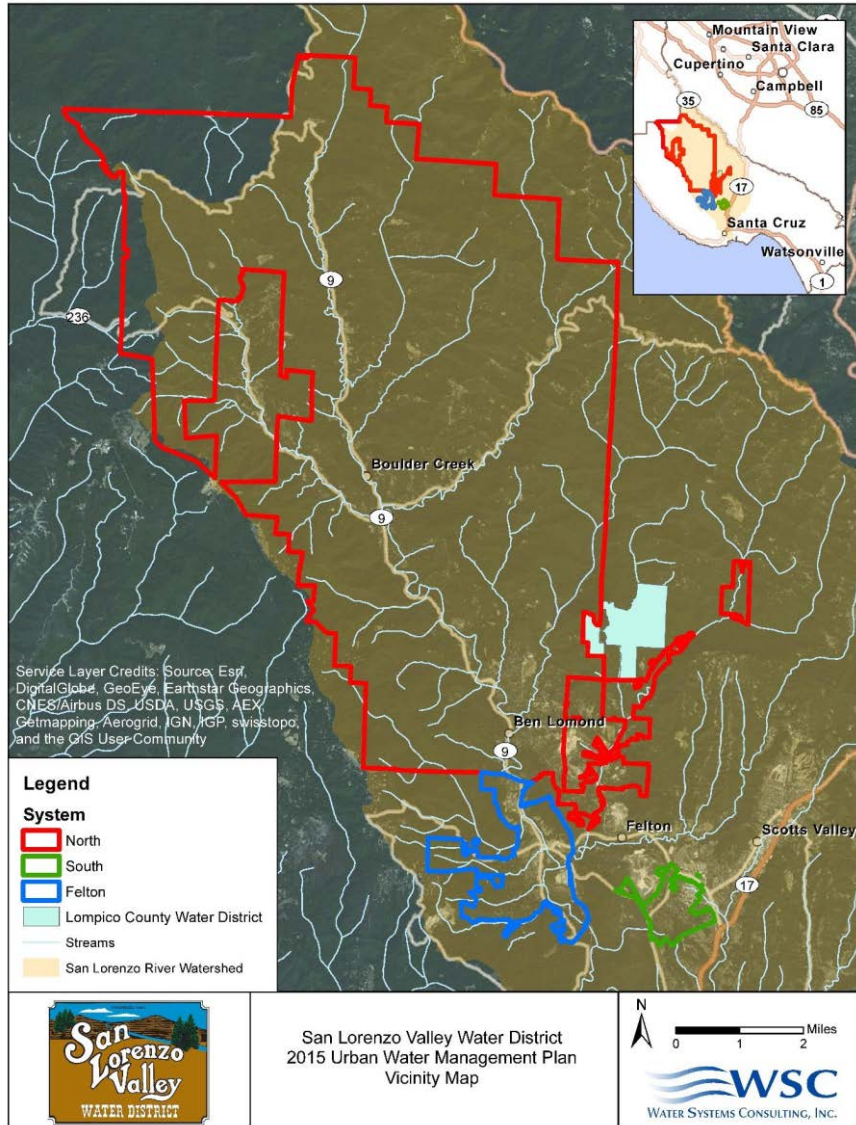
- ▶ The UWMP Act requires urban water suppliers servicing 3,000 or more connections, or supplying more than 3,000 acre-feet (AF) of water annually, to prepare an UWMP every five years.
- ▶ The UWMP must satisfy the requirements of the Urban Water Management Planning Act (UWMP Act) of 1983, including amendments that have been made to the Act and other applicable regulations.

# Urban Water Management Plan - What

- ▶ Maintain efficient use of water supplies,
- ▶ Continue to promote conservation programs and policies,
- ▶ Ensure that sufficient water supplies are available for future beneficial use,
- ▶ Provide a mechanism for response during drought conditions.

# District at a Glance (2010-2015)

- ▶ Established in 1941
- ▶ 136 square miles of rural residential
- ▶ Potable water from tributaries of the San Lorenzo River and local aquifers



**Table 3-3 Historical, Current, & Projected Population**

|                      | <b>2010</b>   | <b>2015</b>   | <b>2020</b>   | <b>2025</b>   | <b>2030</b>   | <b>2035</b>   |
|----------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>North System</b>  | 15,693        | 15,882        | 16,342        | 16,553        | 16,947        | 17,248        |
| <b>South System</b>  | 2,763         | 2,796         | 2,798         | 2,810         | 2,831         | 2,848         |
| <b>Felton System</b> | 3,193         | 3,246         | 3,360         | 3,414         | 3,515         | 3,592         |
| <b>Total</b>         | <b>21,649</b> | <b>21,924</b> | <b>22,500</b> | <b>22,776</b> | <b>23,293</b> | <b>23,688</b> |

**Note:** Population figures based on DWR population tool, 2010 Census Block data and the growth rates in [Table 3-2](#)

# Future Water Demand - How

- ▶ Required to show increased water use efficiency with a goal of decreasing per-capita consumption by 20% by the year 2020.

- ❖ Establish a baseline:

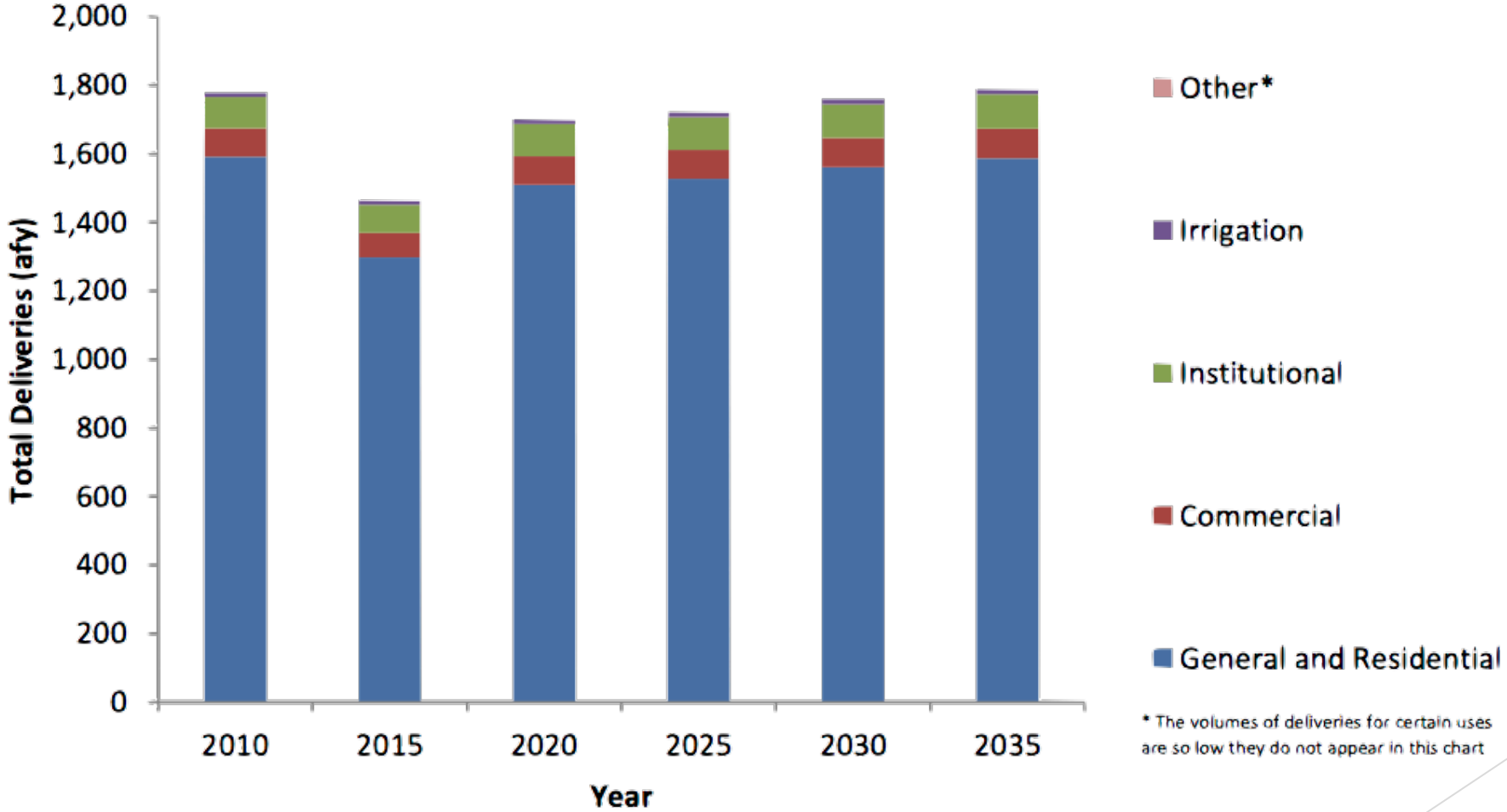
- 10 year average (2005-2010)
- 104 Daily per-capita water use.

- ❖ Develop Target Water Use:

1. Efficiency Standard Method - ??? N/A
2. Hydrologic Region Method - 117 GPCD
3. BMP Based Method - 82.9 GPCD
4. Baseline Reduction Method - 84 GPCD

- ❖ In 2015 - District demand was 73 GPCD

# Future Water Demand - Results



# Future Issues – Keeping the Status Quo

Table 5-8 Projected Total Water Use, AFY

| <b>Water Use</b>              | <b>2015</b>  | <b>2020</b>  | <b>2025</b>  | <b>2030</b>  | <b>2035</b>  |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|
| Total water deliveries        | 1,469        | 1,708        | 1,728        | 1,766        | 1,795        |
| Sales to other water agencies | 0            | 0            | 0            | 0            | 0            |
| Non-revenue water (NRW)       | 320          | 399          | 404          | 413          | 421          |
| <b>Total</b>                  | <b>1,790</b> | <b>2,107</b> | <b>2,132</b> | <b>2,180</b> | <b>2,216</b> |

We share this Valley with a host of native wildlife. What we don't use, they do.

The State and the Coho don't always agree on how healthy the Valley water situation is.

# Future Negatives

- ▶ Global Warming



# Future Positives

- ▶ Loch Lomond Reservoir - 313 AFY per agreement with City of Santa Cruz
- ▶ Sustainable Groundwater Management Act (SGMA)
  - ▶ Working in close collaboration with our partners to recover available storage in the Santa Margarita Groundwater Basin
    - ▶ Provides long term storage for the Districts. Insurance against drought
    - ▶ Improves and restores the groundwater's contribution to streamflow and environmental habitat.
  - ▶ Conjunctive Use - store winter stream water into the basin for summer use.
    - ▶ Reduces our streamflow demands exactly when the environment needs streamflow the most.

# Bright Future in the Redwoods

