

WATER SUPPLY ASSESSMENT

Public Workshop
January 11, 2016

Rancho Murieta Community Services District

Water Supply Assessment –SB610

- ▶ District received request for Water Supply Assessment (WSA) from Sacramento County on June 30, 2015
- ▶ WSA required by SB610 (enacted in 2002) to determine if the water supply is sufficient to serve the proposed development under normal year, single dry year, and multiple dry year conditions during a 20 year projection



WSA – Supply Assumptions

- ▶ 4,723 AFY constrained maximum (includes stop logs)
- ▶ Direct diversion supply not included (Permit allows diversion up to 6,368 AFY)
- ▶ Supply does not include augmentation well(s)
- ▶ Supply includes 560 AFY of recycled water off-set to potable demands



WSA – Demand Assumptions

- ▶ Indoor water use 60.7 gpd
- ▶ People per lot/house 3.0
- ▶ Irrigation demands 4.18 feet/year
(= 31.3 gallons/sf/yr)

- ▶ Irrigated land area
 - Lots > 24,000 sf 33,000 sf
 - Lots > 12,000 sf 11,250 sf
 - Lots < 12,000 sf 8,000 sf
- ▶ Commercial Demands .56 MG/acre
- ▶ Park/Common Area 215 EDUs (600 gpd)



Proposed Project Summary

- ▶ WSA assumptions produce a conservative demand for the proposed development
- ▶ Proposed Project demands in 2035 are 1,326 AFY
 - Which is equivalent to 1.2 mgd (WTP Expansion capacity paid for by developer is 1.5 mgd)
- ▶ WSA estimates proposed project EDUs at 1,995
 - compare to 1,202 EDUs strictly based on lot size and District demand factor of 600 gpd
 - actual average demands in gpd have been:
 - 16 year average (June 2000 – June 2015) 460 gpd
 - 10 year average (June 2000 – June 2009) 474 gpd
 - 5 year average (June 2010 – June 2014) 455 gpd
 - 5 year average (June 2011 – June 2015) 414 gpd

WSA Conclusion

- ▶ The District has sufficient water supply to serve the proposed project per the requirements of SB 610 in a normal year, single dry year, and multiple dry years



WSA – Next Steps

- ▶ District Board approves WSA on January 20th
- ▶ District submits WSA to County Planning
- ▶ Sacramento County will perform peer review of the WSA
- ▶ The WSA becomes an attachment to the project EIR
- ▶ The EIR is anticipated to be released for public comment in September 2016



Questions and Public Comment

