



Supplies and Demands for Water on the Monterey Peninsula

Item 9

September 16, 2019



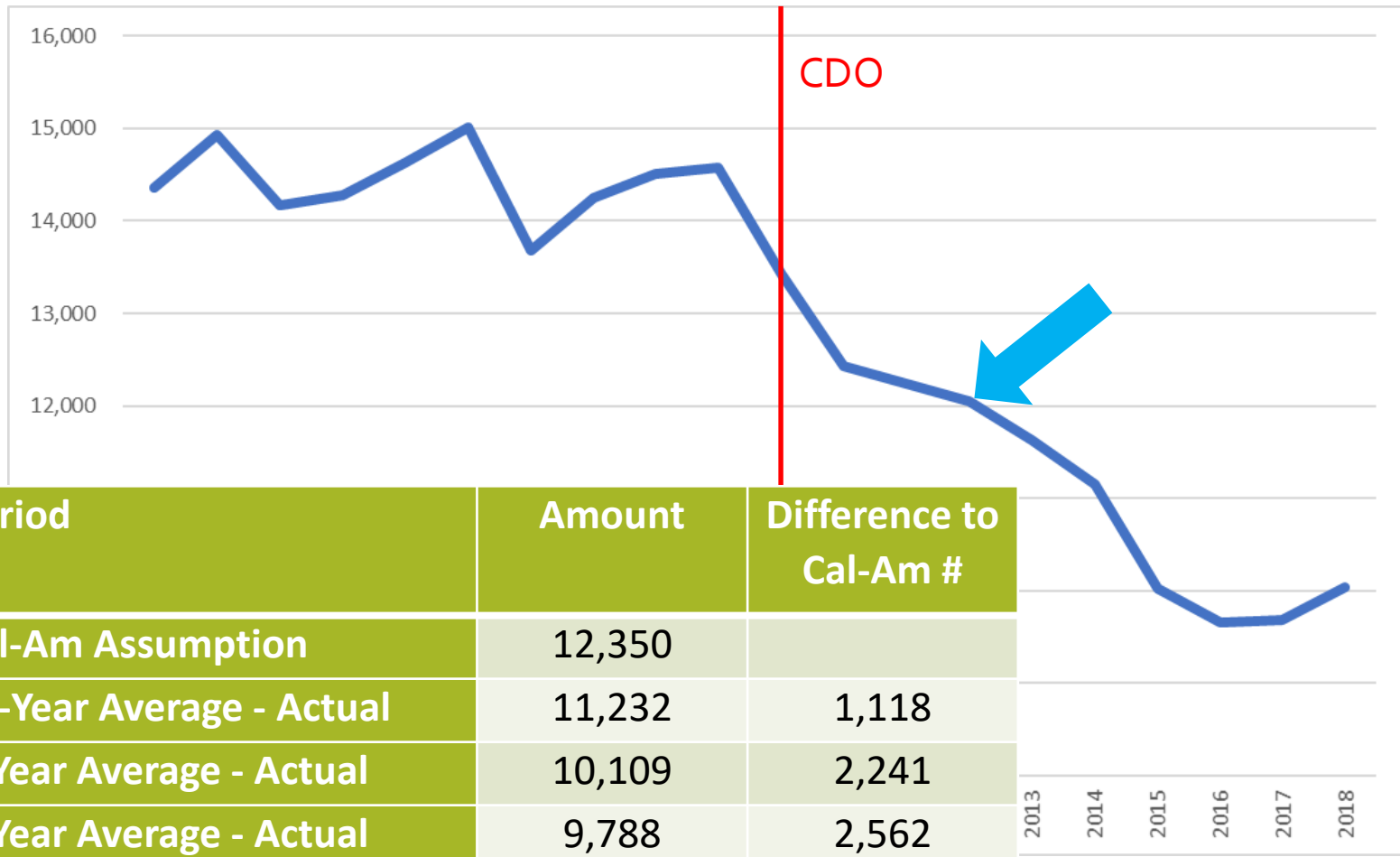
Calculation of Water Supply Available

Supply Source	w/ Desalination	w/ PWM Expansion
MPWSP Desalination Plant	6,252 AF	0 AF
Pure Water Monterey	3,500	3,500
PWM Expansion	0	2,250
Carmel River	3,376	3,376
Seaside Basin	774	774
Aquifer Storage & Recovery (ASR)	1,300	1,300
Sand City Desalination Plant	94	94
Total Available Supply	15,296	11,294
Other Available Supplies	406	406
Total Available Supply w/Other	15,702	11,700

Water Demand Assumed in Desal Plant Sizing

Demand Component	Acre-Feet Annually
Average Current Customer Demand	13,290
Legal Lots of Record	1,181
Tourism Bounce-Back	500
Pebble Beach Buildout	325
Total Water Demand	15,296

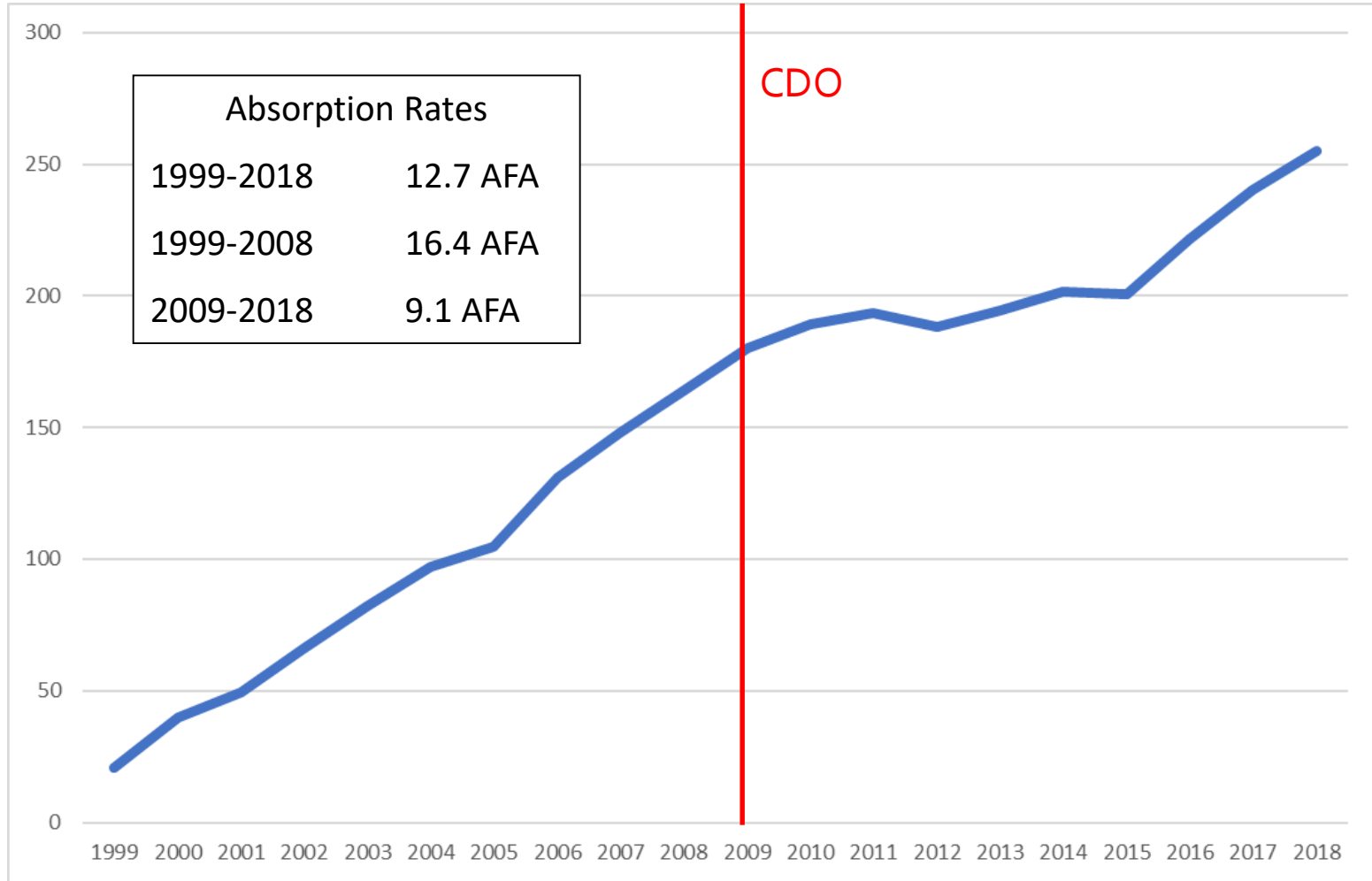
Annual Production for Customer Service = Demand



Adjustments to 2012 Demand Assumptions

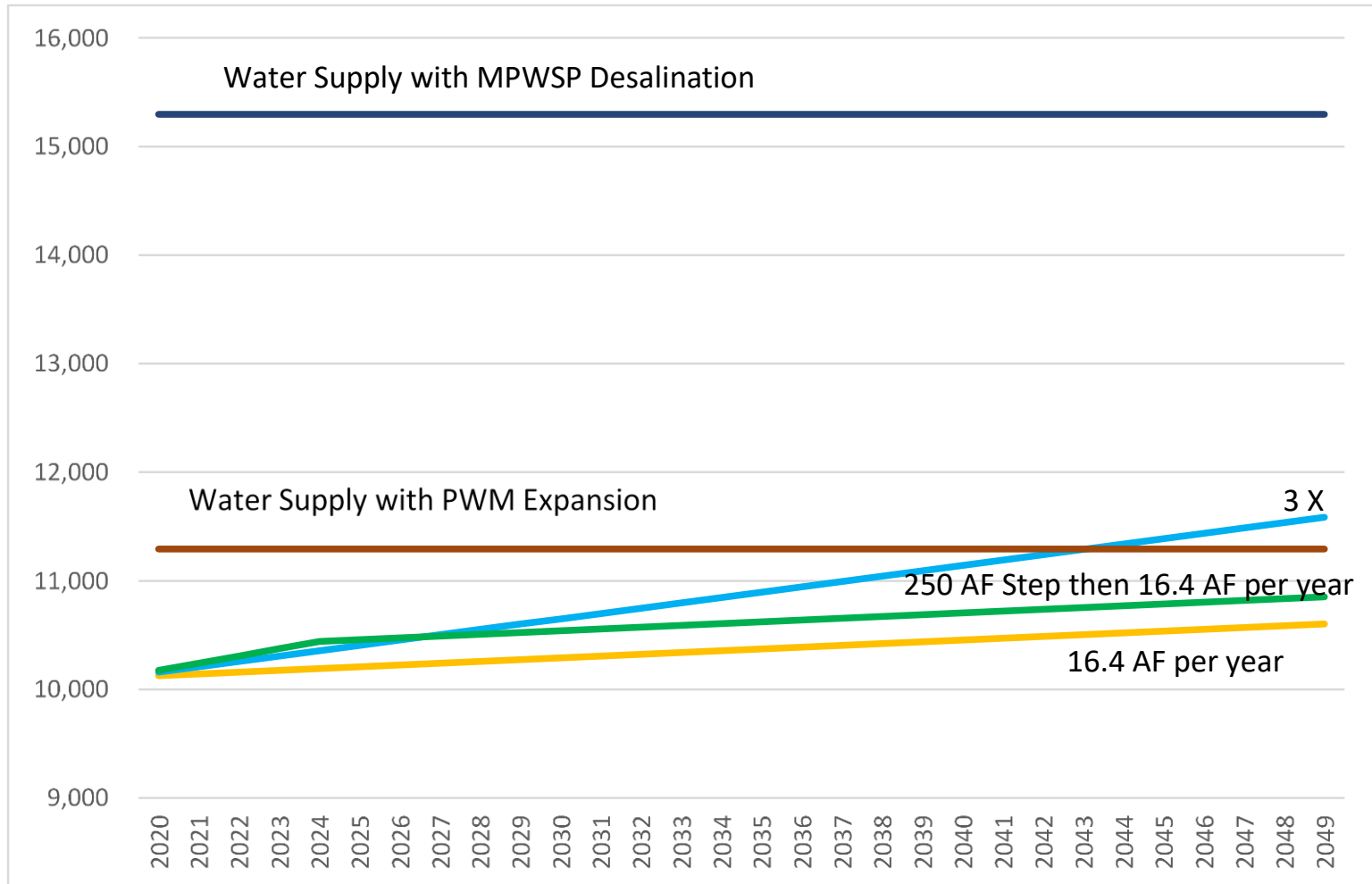
Demand Component	Current Project	Revised High	Revised Low
Average Current Customer Demand	13,290	11,232	9,788
Legal Lots of Record	1,181	1,014	864
Tourism Bounce-Back	500	250	100
Pebble Beach Buildout	325	160	103
Total Water Demand	15,296	12,656	10,855

Market Absorption of Water Demand – 20 Years

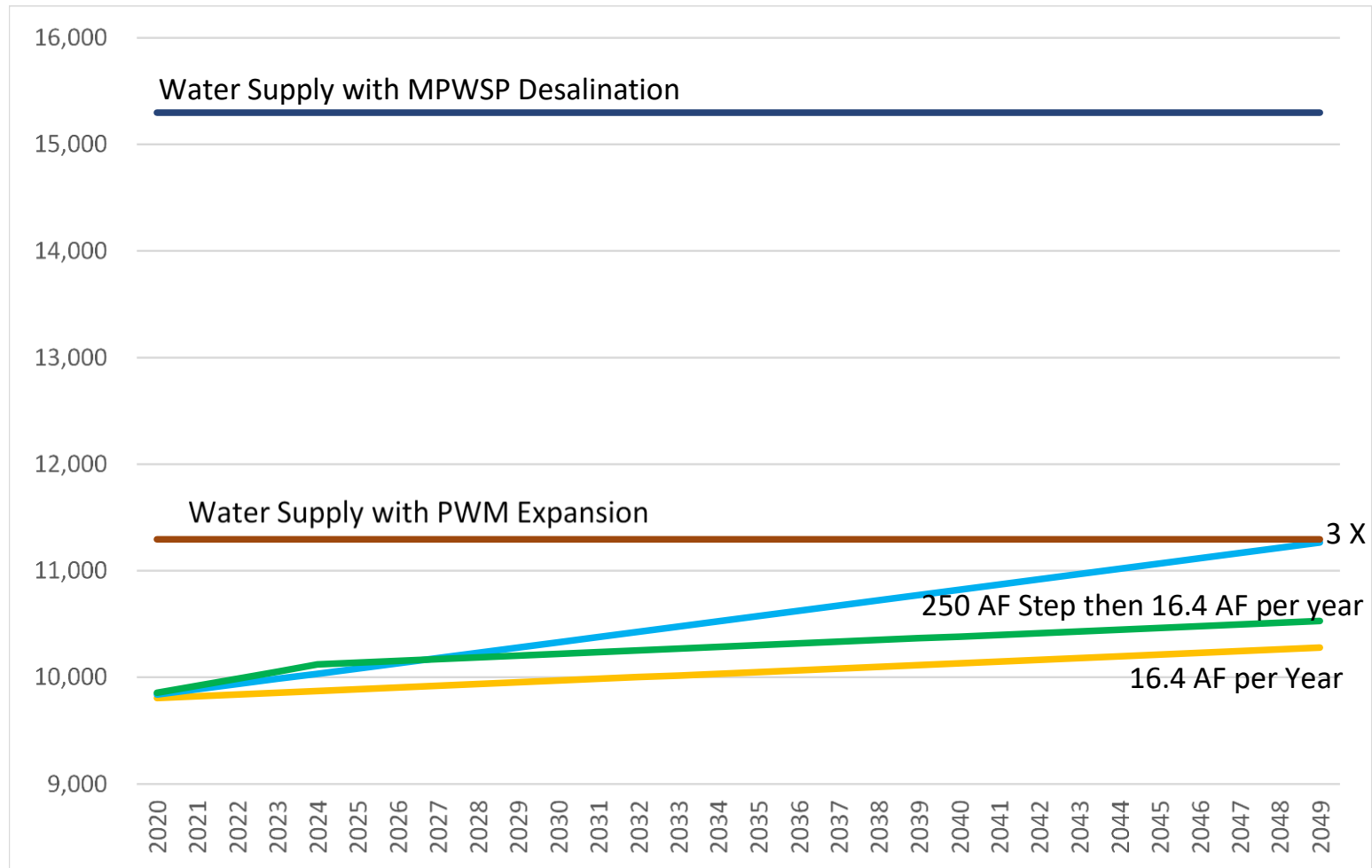


Water Supply v Demand – Start at 5-Yr Avg

(Acre-Feet)



Water Supply v Demand – Start at 3-Yr Avg



Principal Conclusions

- Either supply option can meet the long-term needs of the Monterey Peninsula
- Either supply option is sufficient to lift the CDO
- The long-term needs of the Monterey Peninsula may be less than previously thought
- Several factors will contribute to pressure on decreasing per capita water use