



STATE WATER RESOURCES CONTROL BOARD DIVISION OF FINANCIAL ASSISTANCE

2015 CALIFORNIA RECYCLED WATER (RW) SURVEY RESULTS

June 20, 2017 – Item 9

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Outline

- Survey Approach
- Survey results
- Next Steps

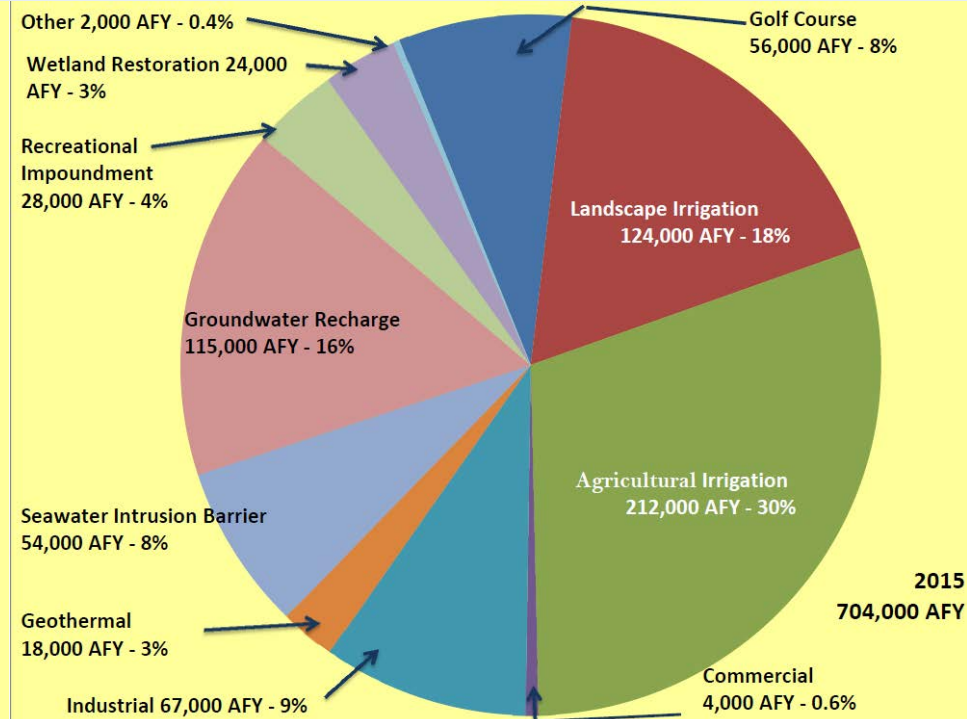
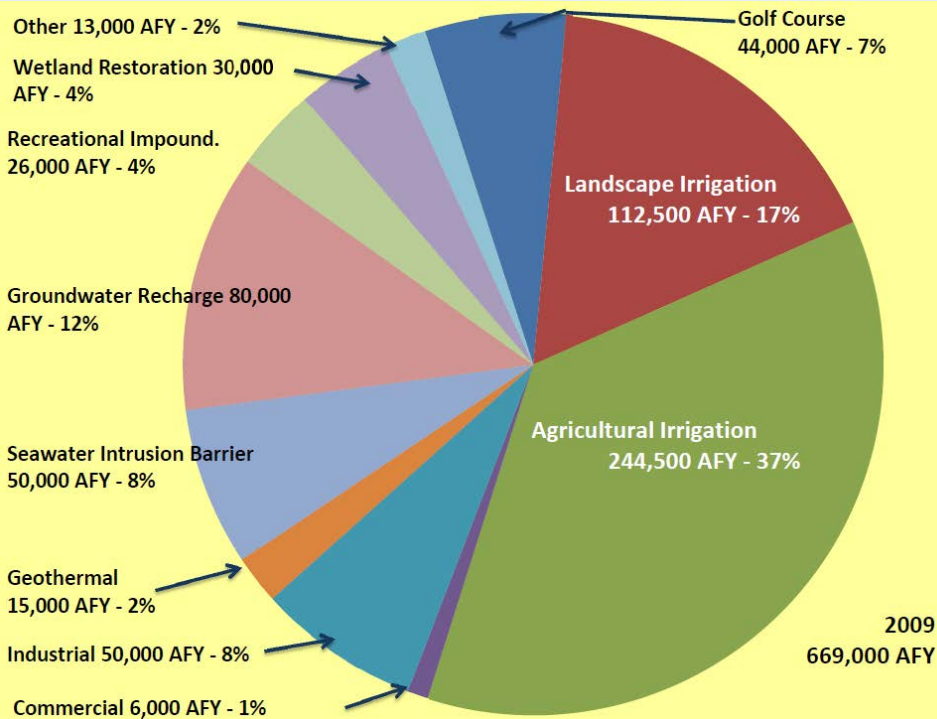
Survey Approach

- Definition of recycled water (RW)– Title 22 compliant RW used for beneficial reuse that offsets or augments fresh water supplies.
- Use the same suite of beneficial reuses from earlier surveys.
- Survey should address the following questions:
 - How much and where RW is being used;
 - What are the beneficial reuses and qualities of RW being used.
- Be simple, straight forward and easy to complete.
- Facility Based – provides a simple completeness check.
- Data Quality Assurance (QA) / collaboration with Department of Water Resources Staff.

Beneficial Reuse Statewide 2009 vs. 2015

2009 – 669,000 acre-feet per year (AFY)

2015 – 704,000 AFY



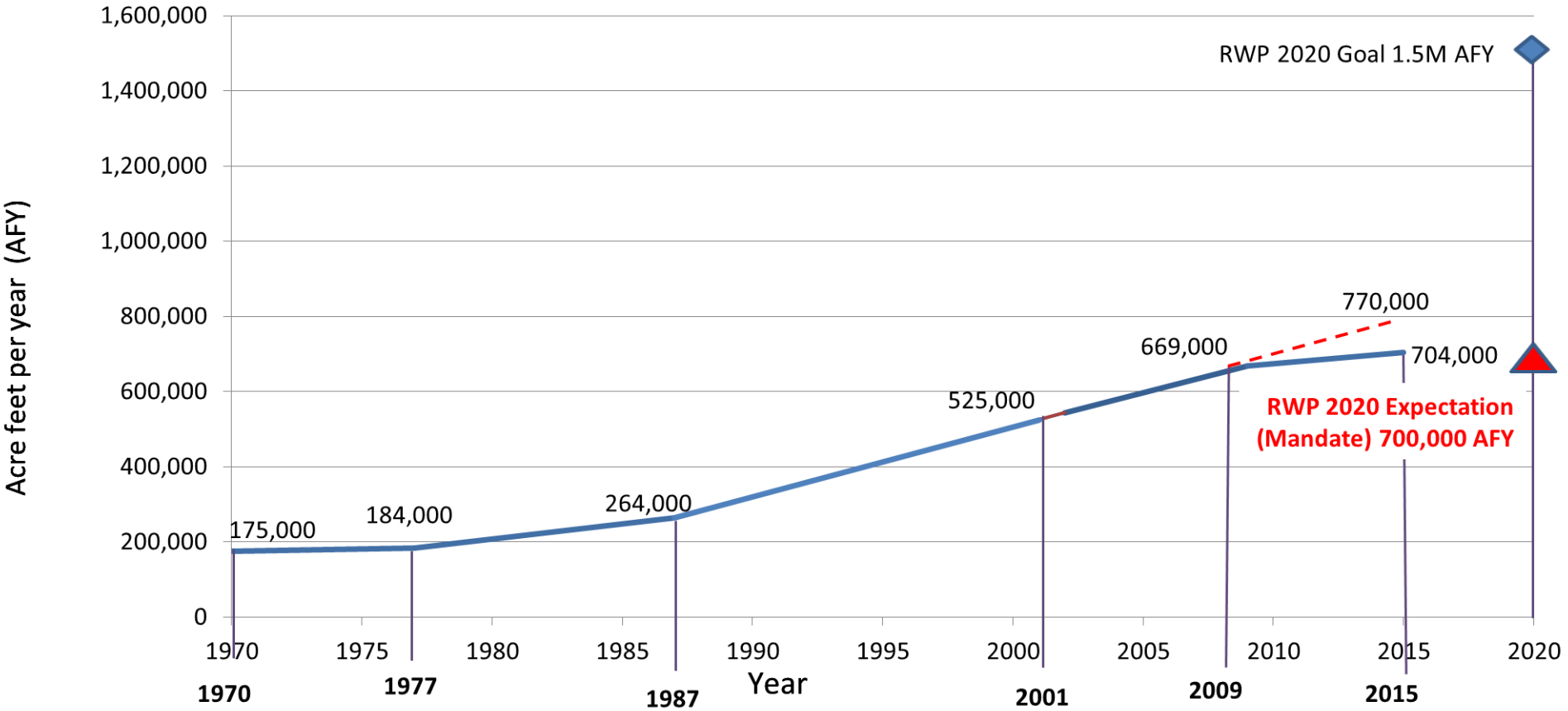


Comparison of Beneficial RW use 2009 vs. 2015

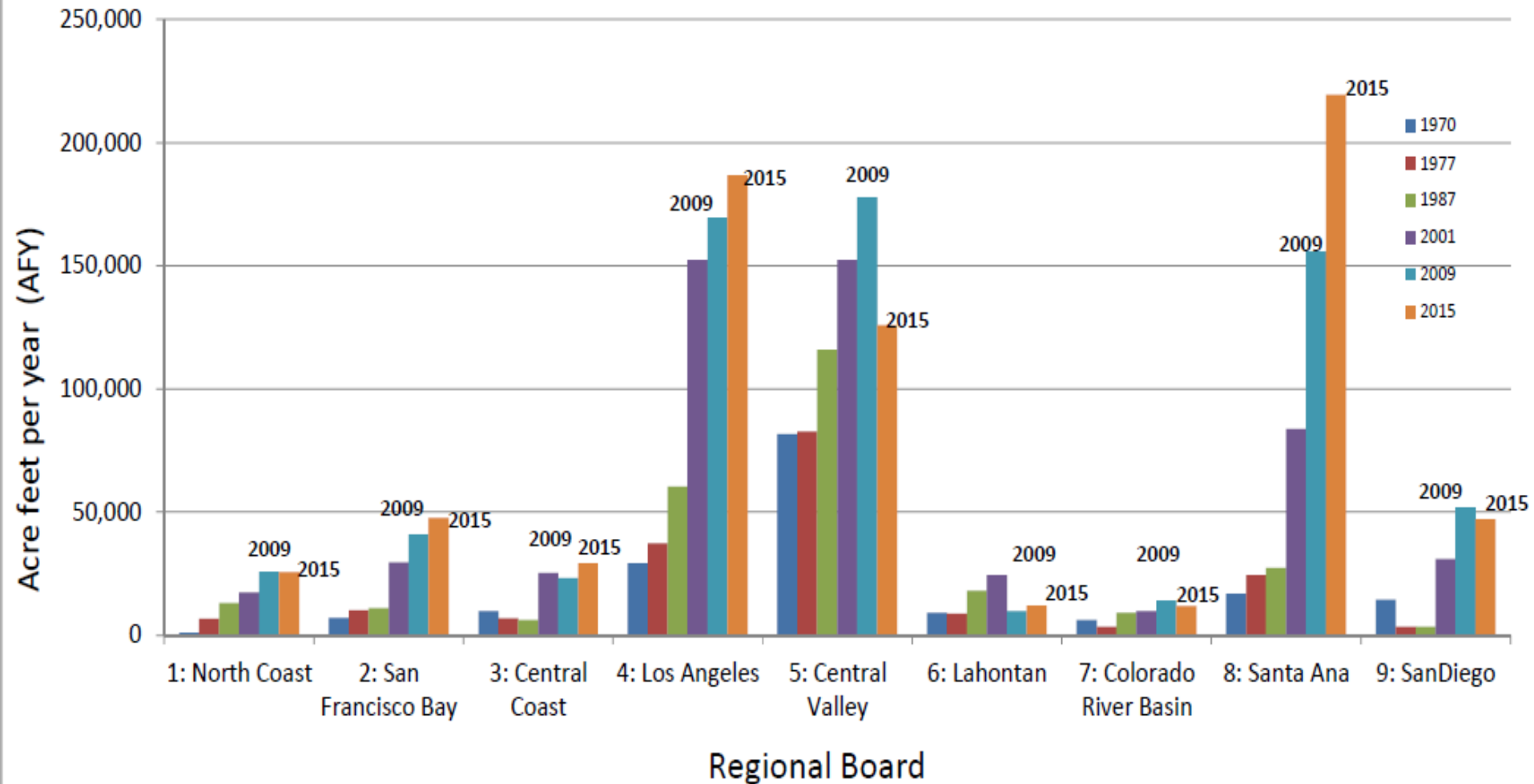
Beneficial Reuse	2009		2015		Change from 2009 to 2015	
	AFY	% of Total	AFY	% of Total	AFY	% Change
Golf Course Irrigation	44,000	7%	56,000	8%	12,000	27%
Landscape Irrigation	113,000	17%	124,000	18%	11,000	10%
Agriculture Irrigation	245,000	37%	212,000	30%	-33,000	-13%
Commercial	6,000	1%	4,000	1%	-2,000	-33%
Industrial	50,000	7%	67,000	10%	17,000	34%
Geothermal Energy Production	15,000	2%	18,000	3%	3,000	20%
Seawater Intrusion Barrier	49,000	7%	54,000	8%	5,000	10%
Groundwater Recharge	80,000	12%	115,000	16%	35,000	44%
Recreational Impoundment	26,000	4%	28,000	4%	2,000	8%
Natural Sys. Restoration, Wetlands, Wildlife Habitat	30,000	4%	24,000	3%	-6,000	-20%
Other	13,000	2%	2,000	0%	-11,000	-85%



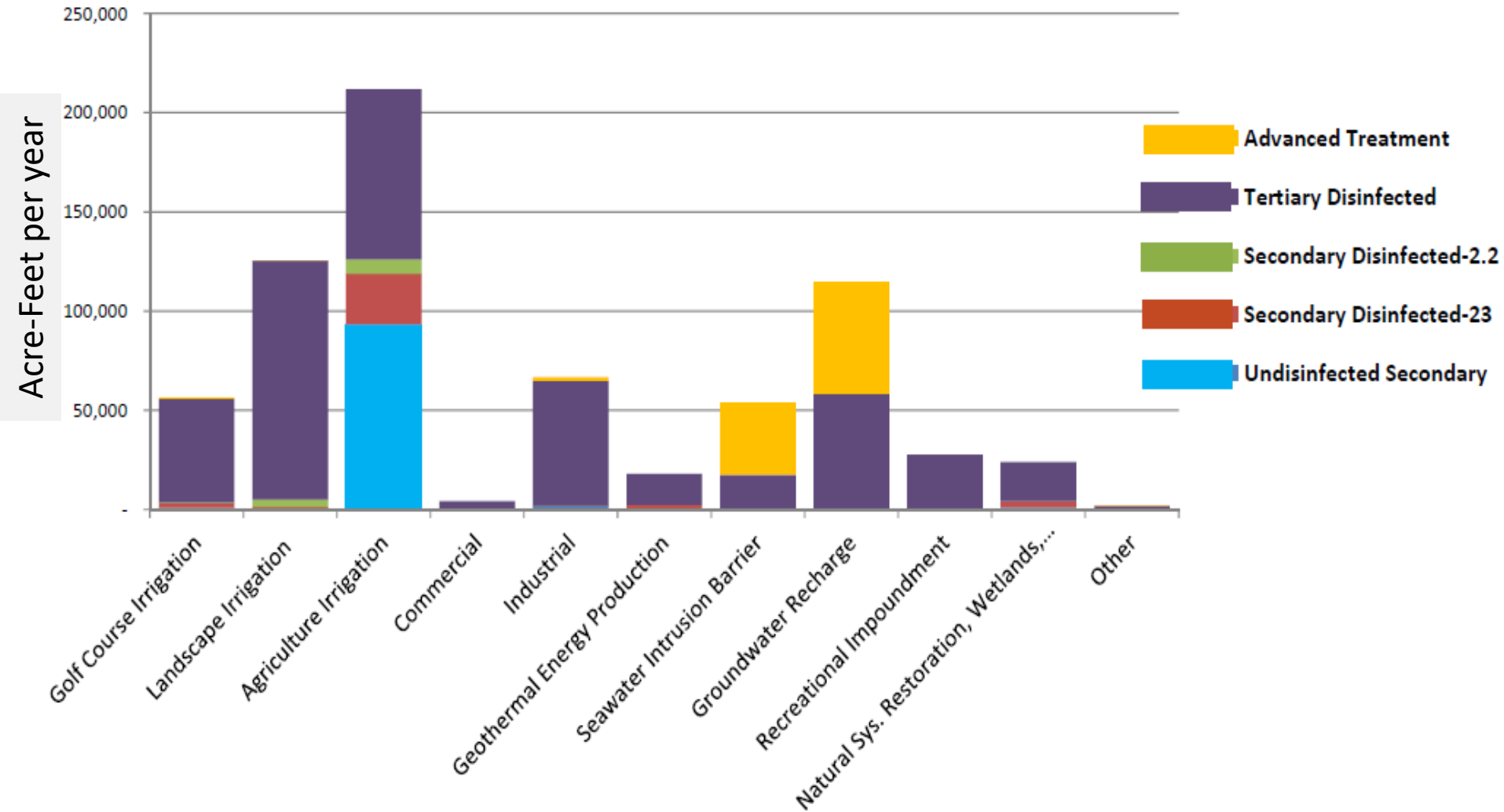
Historical Recycled Water Survey Results 1970 – 2015



Historical Regional Survey Results 1970 - 2015



RW Treatment Level vs. Beneficial Reuse



Looking Ahead

- The Division of Water Quality (DWQ) is tasked with developing permit language that will require monitoring and reporting of RW use – annually.
- DWQ will be working closely with the Division of Information Technology (DIT) and the Office of Information Management and Analysis (OIMA) on updating the survey tool portal to be used for future RW reporting purposes.



Questions or Comments?