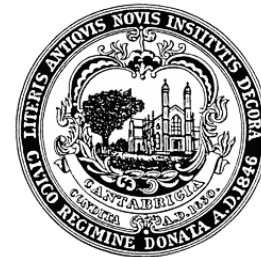


City of Cambridge Water System Profile

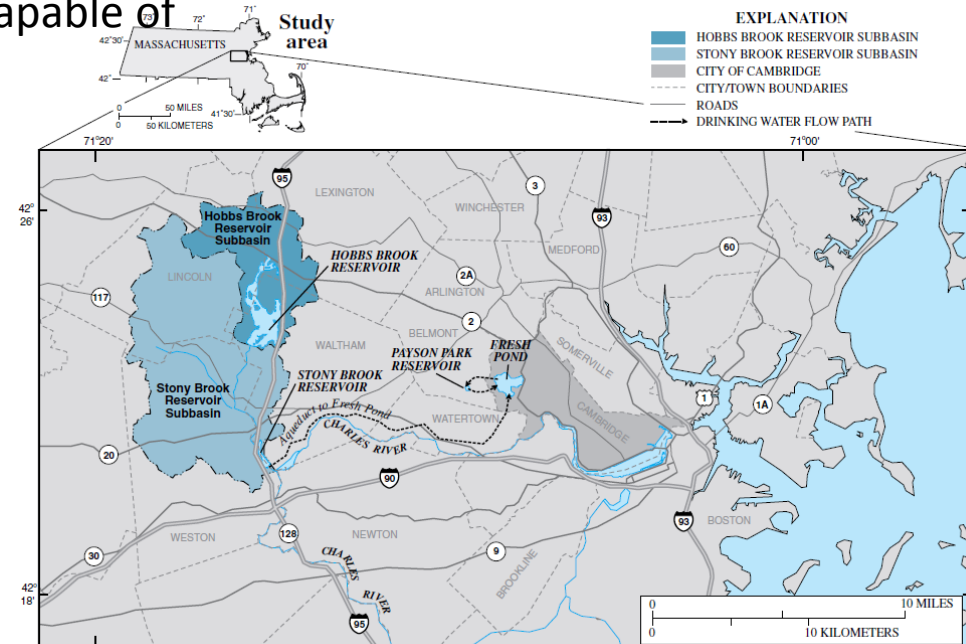
Cambridge Compact for a Sustainable Future Workshop

December 6, 2017






Cambridge Water System Overview

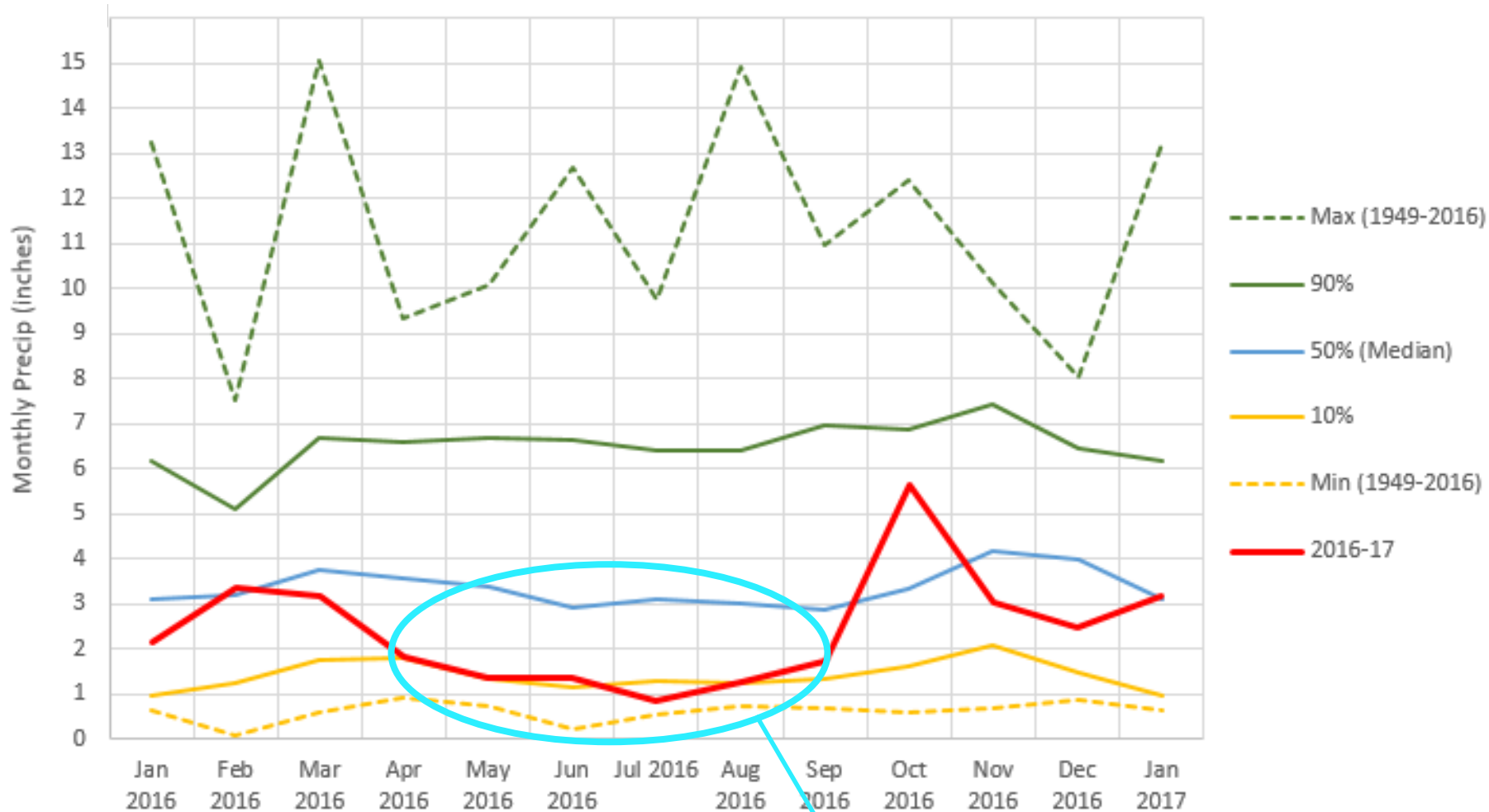
- Residential population of more than 105,000
- Highly urban
- Most supply located outside city limits
- About 8 month supply at full reservoir capacity, no recharge
- Two MWRA Emergency Connections
- Average Daily Demand 12 to 14 million gallons
- Water filtration plant (at Fresh Pond) capable of producing 24 million gallons per day



Cambridge Water System Reservoirs

Reservoir	Available Storage Volume	Drainage Area
<p>Hobbs Brook Reservoir Lincoln/Waltham</p> 	<p>2,630 million gallons</p>	<p>6.7 sq. miles</p>
<p>Stony Brook Reservoir Weston/Waltham</p> 	<p>400 million gallons</p>	<p>24.4 sq. miles</p>
<p>Fresh Pond Cambridge</p> 	<p>202 million gallons</p>	<p>none</p>

Typical Precipitation vs. Summer 2016 Drought



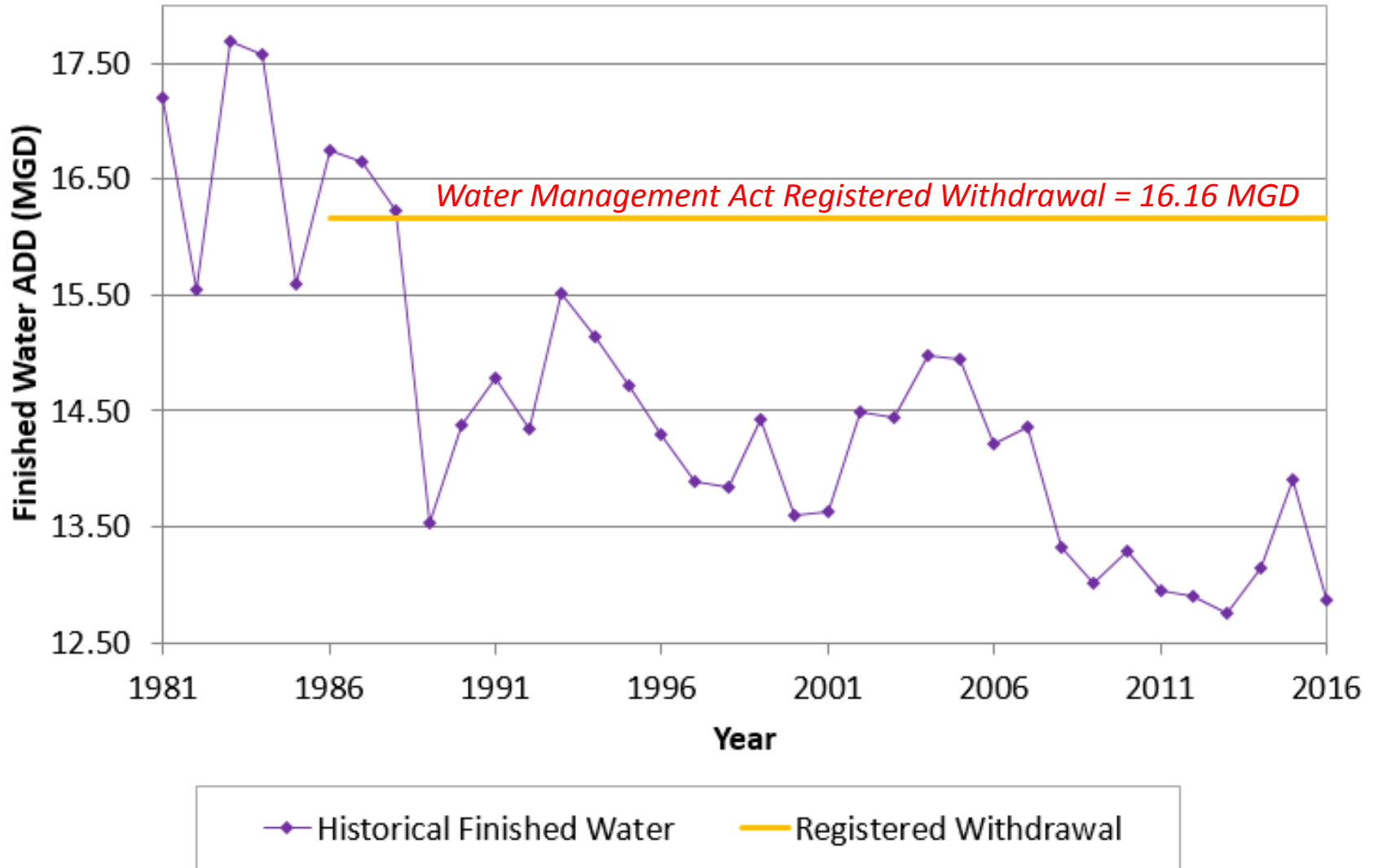
Record Low Precipitation

Hobbs Brook Reservoir on October 17, 2016 After 5 Months of Record Low Precipitation

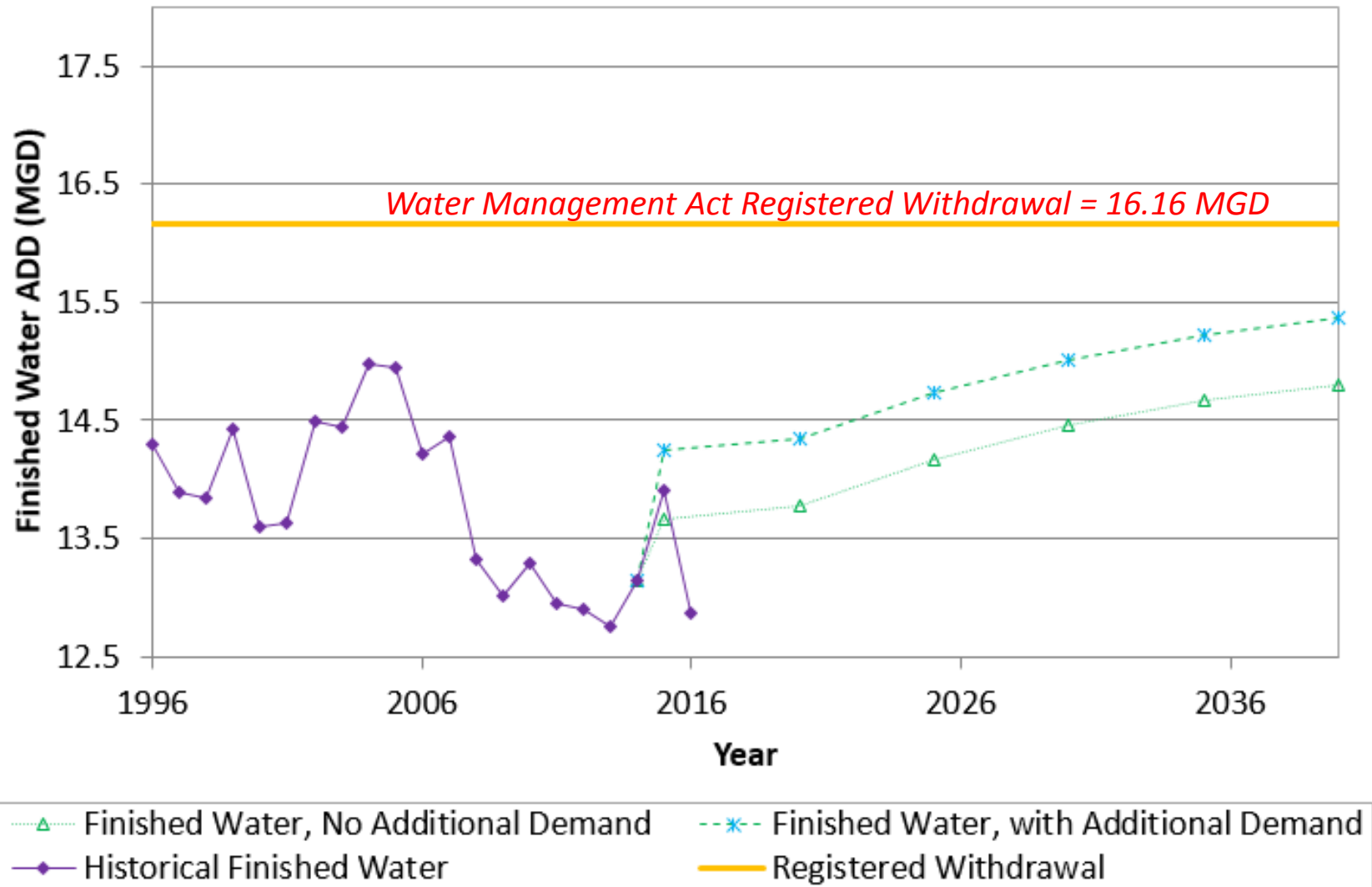


The drought was officially declared over on May 18, 2017

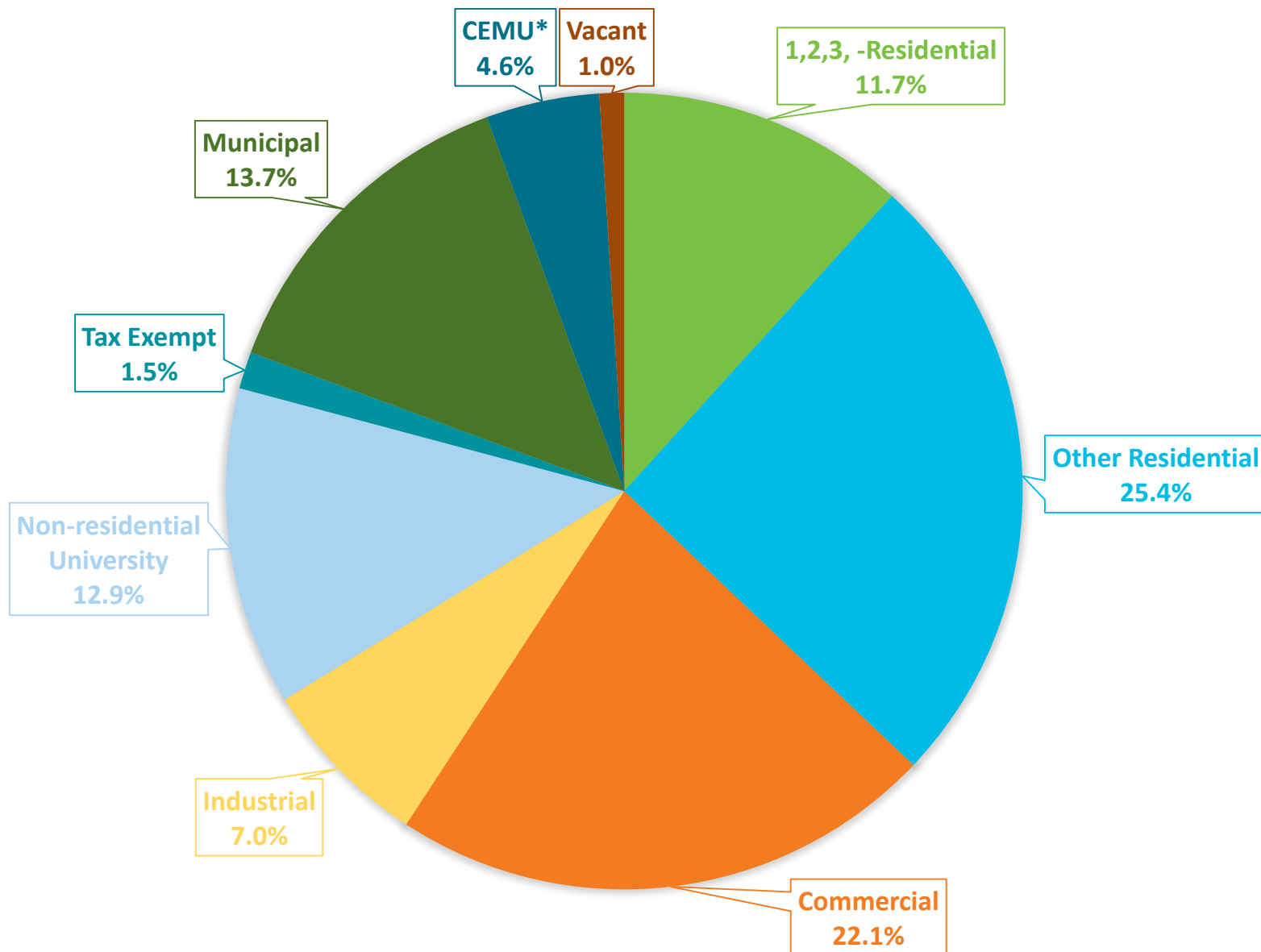
Average Daily Water Usage over the Last 35 Years



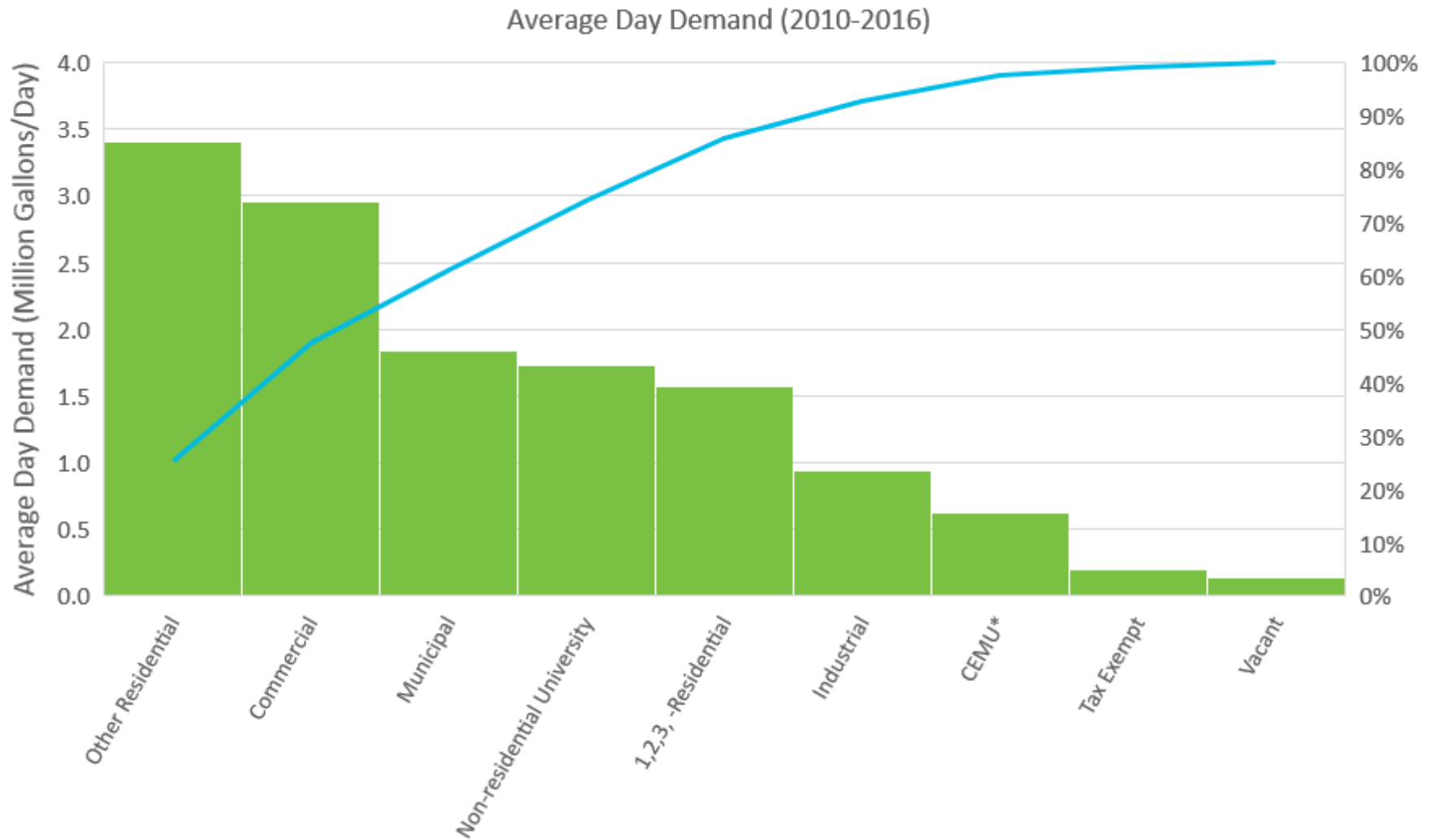
And Looking Ahead at Projected Water Usage



Percentage of Total Water Use (2010-2016)



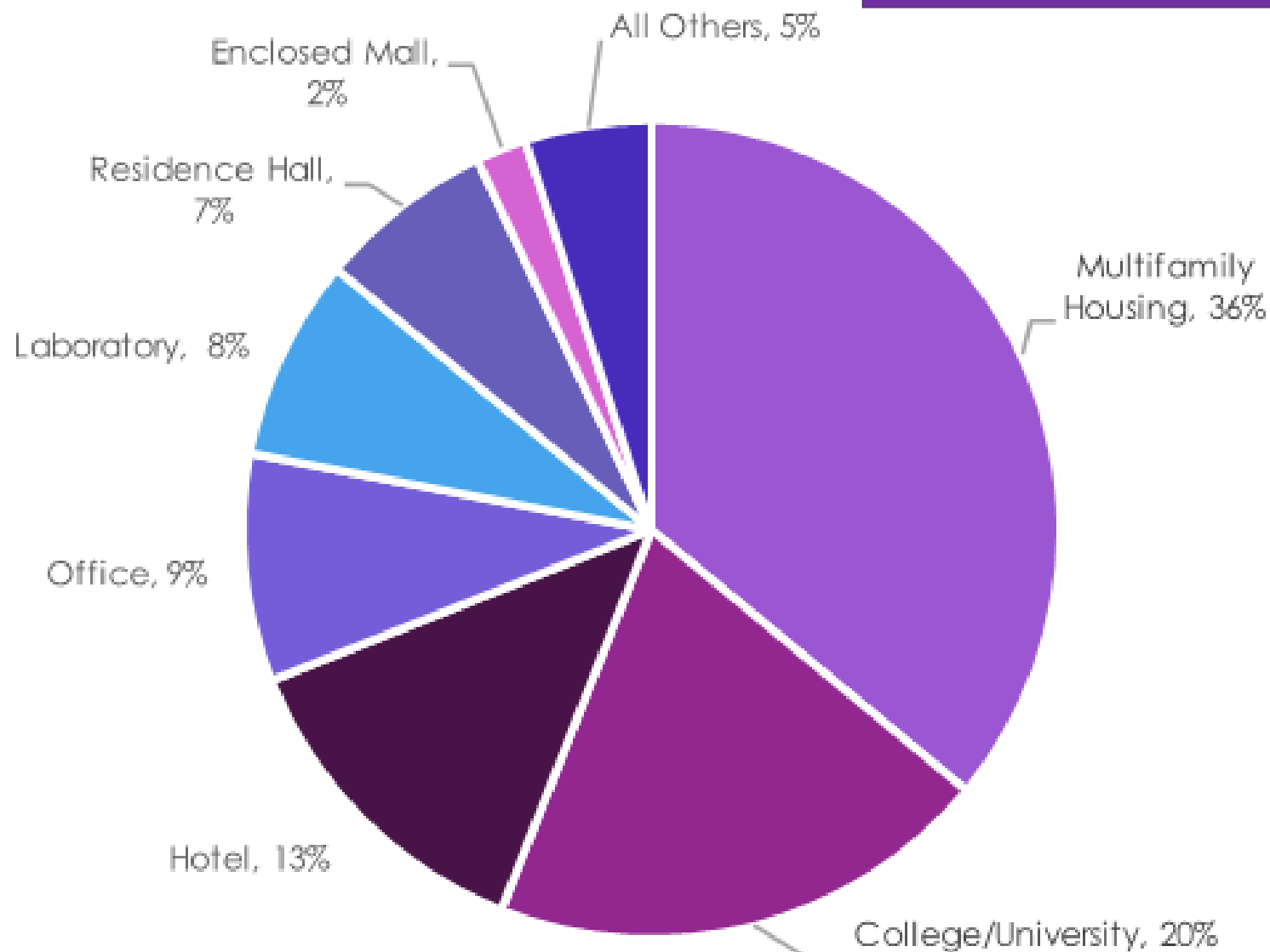
Average Day Demand by Use Category



*CEMU = confidently estimated municipal use

Water Use By Property Type

**538 Large Properties
Reporting under BEUDO**



Distribution of Water Use (2016)

Number of Users	% of Total Water Use
Single largest user	9.8%
Top 10 users	38%
Top 50 users	52%
Top 300 users	69%

% of Users	% of Total Water Use
Top 1%	61%
Top 5%	75%
Top 10%	80%
Remaining 90%	20%

