



# AWE Update for CalWEP Plenary December 11, 2019



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# AWE Drought Restrictions Study (January, 2020)

- 14 participating and funding agencies in the US and Canada
- Most comprehensive study of drought restrictions to date

## Research Questions

- 1) What are the different forms of mandatory and voluntary irrigation restrictions typically implemented by North American water providers?
- 2) How do mandatory and voluntary irrigation restrictions vary across water providers?
- 3) What demand reduction impacts can be achieved through different levels of mandatory and voluntary irrigation restrictions?
- 4) During times of drought, what can water providers do to maximize outdoor irrigation demand reductions?
- 5) How does media coverage impact drought response, and what are the comparative impacts of local vs. state and regional drought messaging?
- 6) What is the longevity of demand reductions during and after a drought?



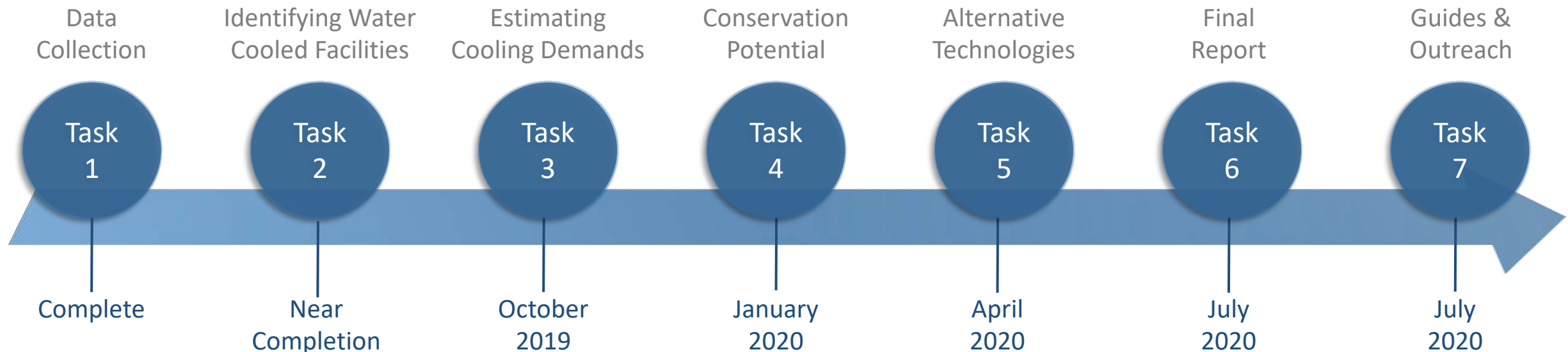
# Cooling Technologies Study

1. Develop best practices for **identifying water-cooled facilities** in urban areas.
2. Develop best practices for **estimating consumptive and non-consumptive water demands** for cooling.
3. Determine the **conservation potential for various improvements** to traditional cooling technologies such as cooling towers.
4. Determine the conservation potential of **alternative cooling technologies**.
5. Develop practical guides, incorporating study results, to increase the effectiveness of cooling WUE incentive and outreach programs.



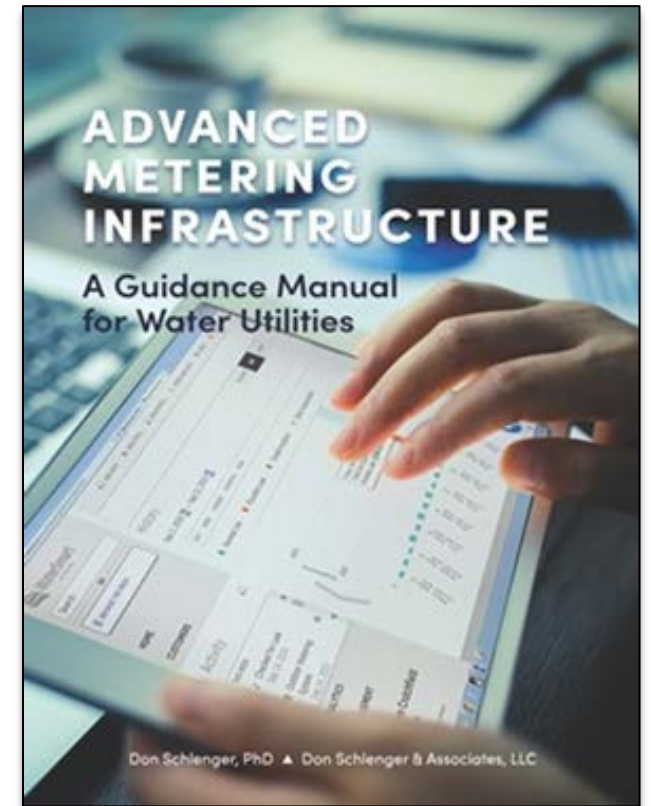
# Cooling Tech Study Progress and Timeline

- Currently finishing Task 2 and working on Task 3
- Project completion second half of 2020
- Funders/PAC members gain early access to tools and resources
- Need **\$130,000** more in funding



# AWE-CalWEP AMI Guidance

- Don Schlenger, nationally recognized AMI consultant, leading the project
- Interoperability guidelines in a template AMI RFP is available on AWE web site
- Manual of AMI Best Practice is available for special purchase price for CalWEP/AWE members (order from AWE website)
- Final Project Webinar recording available (November 21, 2019)



# Other AWE Updates

- New Member benefit coming: access to WaterWays Rebate Platform
  - Webinar in February 2020
- Tracking Tool Version 4 Update: Still need \$46,500 in funding
  - Will include updates to resource library cost and savings data and full water loss evaluation functionality
  - Need funding partners
- CalWEP Guidebook on managing dedicated irrigation meter accounts
- Still working on federal and state tax exemption for rebates
- New AWE Web site with Member only access
  - Resource Library still being built out



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*As a stakeholder-based nonprofit organization dedicated to the efficient and sustainable use of water, the Alliance for Water Efficiency serves as a North American advocate for water-efficient products and programs, and provides information and assistance on water conservation efforts.*

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## Alternate Water Sources

- [Blow-down Water](#)
- [Condensate Water](#)
- [Graywater Systems](#)
- [Rainwater Harvesting](#)
- [Reverse Osmosis Discharge Water](#)
- [View All](#)

## Commercial, Industrial, Institutional

- [Car Washes](#)
- [Educational Institutions](#)
- [Golf Courses](#)
- [Government Buildings and Public Facilities](#)
- [Health Clubs and Recreation Centers](#)
- [View All](#)

## Communication and Education

- [Public and Consumer Education Programs](#)
- [School Education Programs](#)
- [Videos Communicating the Value of Water](#)
- [View All](#)

## Drought

- [Drought Planning and Response](#)
- [Utility Revenue and Drought](#)
- [View All](#)

## Fixtures, Appliances, and Equipment

- [Combination Ovens](#)
- [Commercial Dishwashers](#)
- [Evaporative Coolers](#)
- [Faucet Fixtures](#)
- [Irrigation Sprinkler Heads](#)
- [View All](#)

## Green Building

- [Introduction to Green Building Guidelines and Standards](#)
- [National Green Building Standards](#)
- [US Green Specifications for Indoor Fixtures and Appliances](#)
- [USGBC and the LEED Program](#)
- [View All](#)

## Landscape, Irrigation, and Outdoor Water Use

- [Automatic and Manual Irrigation](#)
- [Delayed Mow, Grass Irrigation](#)

## Metering and Submetering

- [Advanced Metering Infrastructure System Template Request for Proposals](#)

## Residential (Including Multi-family)

- [Dangers of Thermal Shock and Scalding in Residential Settings](#)



# President Trump

- Announced at Business Roundtable that he thinks efficient plumbing fixtures perform poorly
- He tasked EPA with investigating standards rollback
- Water efficiency standards rollback can only occur with Congressional action
- California safe because of separate state legislation (five other states too)
- But WaterSense may be in jeopardy since they are at the President's discretion
- AWE will build a national coalition to fight this



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