



AWE Update for CalWEP Plenary September 24, 2019



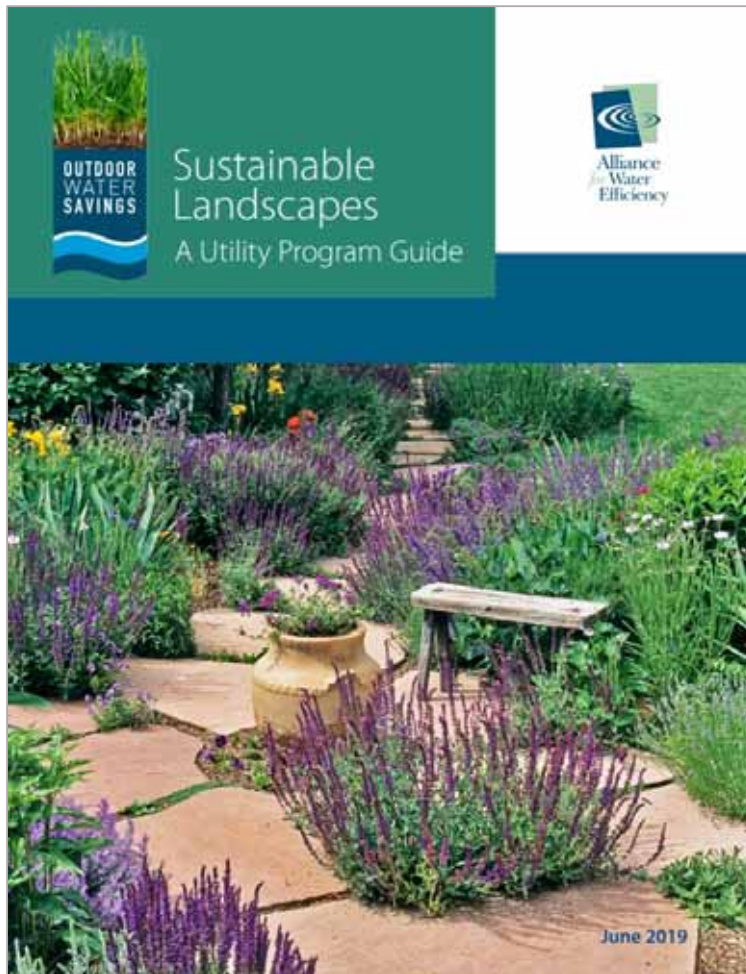
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New Landscape Guide!

- Built on results of Landscape Transformation Study
- Provides guidance for water utilities on planning & implementing sustainable landscape programs
- Case Study Programs
- Member only work product
- Mailed to all AWE/CalWEP Members

AWE Drought Restrictions Study (November, 2019)

- 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?





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AWE Cooling Technologies Study



AWE Cooling Technology Study: Origin

- AWE Water Efficiency Research Committee
- Members identified need
 - Cooling towers poorly understood
 - Difficult to design effective water utility efficiency programs
 - Hard to connect with the right people
 - Number of cooling towers, locations, and water use often unknown
- Huge water savings potential



Project Goals

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.



Project Partners

1. Metropolitan Water District of Southern California, United States
2. Southern Nevada Water Authority, United States
3. San Antonio Water System, United States
4. California Water Service, United States
5. City of Guelph, Canada
6. Denver Water, United States
7. City of Tucson, United States
8. City of Santa Fe, United States
9. Santa Clara Valley Water District, United States
10. City of Calgary, Canada
11. East Bay Municipal Utility District

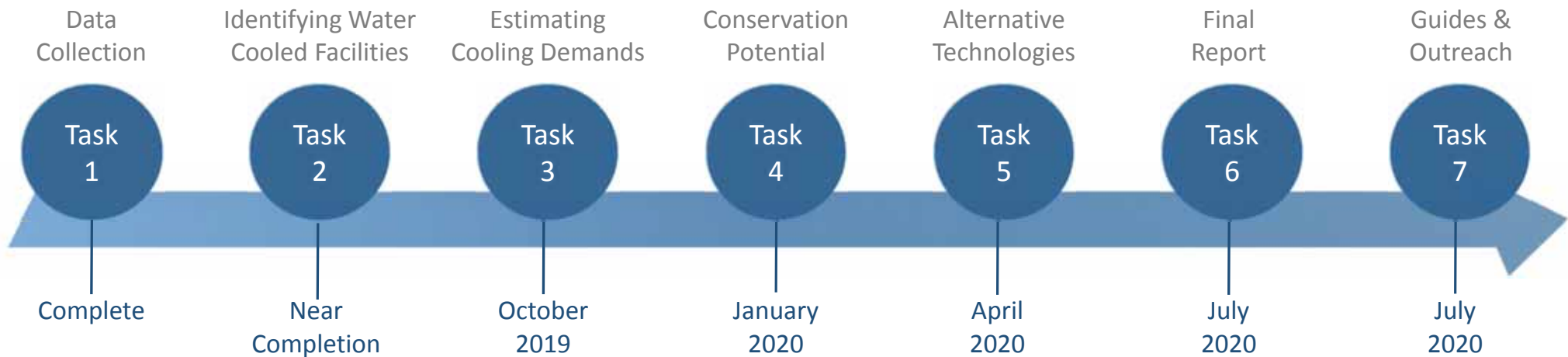




One cooling tower retrofit can generate the same amount of savings as 50 toilet replacements.

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 \$150,000 more in funding



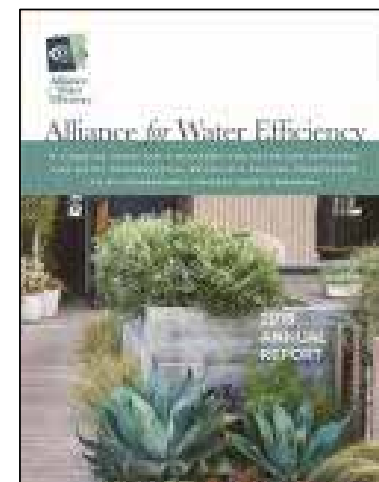
AMI Guidance

- Don Schlenger, nationally recognized AMI consultant, leading the project for CAIWEP/AWE
- Interoperability guidelines in a template AMI-AMR RFP is available for use
- Manual of AMI Best Practice will be available for special purchase price in December
- Targeted technical assistance to participating utilities will be provided
- Final Project Webinar: November 21



Other AWE Updates

- 2018 Annual Report Mailed to members
- New Member benefit coming: access to WaterWays Rebate Platform by Aiqueous
- Tracking Tool Update – looking into also expanding water loss evaluation
- Working with CalWEP staff on Guidebook for managing dedicated irrigation meter accounts
- Still working on federal 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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Questions?

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