



DISCLAIMER

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ICP Grant Project:

“Simplifying Cooling Tower Management for Commercial Properties with the One Number Efficiency (ONE) Program”

ICP Recipient: Annikki Chamberlain, Mimir Water

This final report is in the form of a recorded video presentation, linked below. Please reach out to Annikki Chamberlain at annikki@mimirwater.com for more information.

https://us06web.zoom.us/rec/share/VShxAopB_t3ty3iLC4cqlp_HZp4LclwjFXP1N2qgaMXDahKU-bEb_r3d8x6TtM2q.5G6u_4AXtJs5kZoj?startTime=1719856174000

Background:

Mimir Water will demonstrate the effectiveness of a cooling tower management strategy called the One Number Efficiency (O.N.E.) Program. The O.N.E. Program combines cutting-edge metering technology with operational strategy to simplify cooling tower management into one number: a daily cycles of concentration (COC) measurement. The goal of the O.N.E. Program is to provide a manageable and consistent strategy for commercial properties to track cooling tower efficiency trends as well as quickly identify mechanical issues that result in water waste or asset damage.

The O.N.E. Program Pilot Study will be implemented in five tasks as described below:

- Task 1 - Preliminary Evaluation: Mimir Water will conduct an efficiency assessment for each cooling tower.
- Task 2 - Planning: Mimir Water will collaborate with property staff to review assessment findings and establish implementation.
- Task 3 - Implementation: Mimir Water will install the submeter kits, program Waterscope parameters (i.e. COC Alert Ranges), and train relevant staff in meter function, Waterscope navigation, and Alert Response routines.
- Task 4 – Monitor and Refine: Mimir Water will perform regular site visits to check in with relevant staff on O.N.E. Program implementation progress and provide technical support/training.
- Task 5 – Analysis and Reporting: Mimir Water will perform a statistical analysis of the effectiveness of the O.N.E. Pilot methodology.