



Utilities

electric • stormwater • wastewater • water
222 Laporte Ave.
PO Box 580
Fort Collins, CO 80522-0580

970.212.2900

V/TDD: 711

utilities@fcgov.com

fcgov.com/utilities

Commercial Industrial and Institutional (CII) Training Water Efficiency Grant **75% Progress Report Update**

The CII Water Efficiency Training was completed on August 23 to August 24. In total 23 participants attended over the course of the three days representing the following 16 entities: Denver Water, City of Oklahoma City, Aurora Water, City of Westminster, Fort Collins Utilities, Board of Public Utilities City of Cheyenne, Colorado Spring Utilities, Eagle River Water & Sanitation District, City of Boulder, Colorado Water Conservation Board, Centennial Water and Sanitation District, Boulder County Public Health/Partners for a Clean Environment, Resource Central, Thornton Water, and Nexant Inc.

Attached is the agenda for the training. Analyses are underway to finalize reports for each customer. Final customer reports will be delivered in the next month. At each site a minimum of three potential projects were identified ranging from replacing pre-rinse spray valves, flush valve gaskets, addressing leaks in dishwashing systems, submetering cooling towers, and replacing large processing equipment with high-efficiency models. Final savings numbers and projects will be reported in the final progress report to CWCB after audit reports are finalized and delivered to each customer.

As of August 30, 2018 78% of the participants said the training exceeded their expectations and 22% of the participants said the training met their expectations. Everyone strongly agreed that the instructor was knowledgeable about the subject, the training was organized, the class improved their knowledge and skill level, and that they would implement CII measures in their service area. Two third of the participants strongly agreed and one third agreed that the training concepts connected to their everyday job.

Areas of improvement included: seeing more commercial buildings in the field, tips for how to reach out to commercial users and get them signed up for an audit or program, more examples for the calculations, and a more detailed description of the process behind ozone laundry and cooling towers. Additionally, more people would have liked field time with the auditing software tool.

Positive comments included:

"Thank you so much for offering this training and doing so with the grant. Thanks to the State for offering the grant. We hope to have a position one day that focuses on commercial water conservation and this training/tool really motivated me to move more into that realm."

"Great group and networking opportunity. Thank you!"

"Thank you – love the training!"

Below is the revised timeline for the remainder of the project:

Task 1 – Training Development, January 2018—March 2018, January 2018 – August 2018

Phase 1: Complete

Phase 2: Complete

Task 2 – Training Execution, April 2018 August 22nd – 24th (revised)

Complete

Task 3 – Follow Up & Network Development, November 2018 February 2019 (revised)

Adjusted to February to provide more time between training and follow-up meeting. A final report will be submitted after the follow up event has taken place that describes the final results from each site visit and successes of utilities in implementing CII measures.



Training participants at Colorado State University.



Auditing a commercial kitchen at site one.



Participants measuring flow rates.



Observing blow down at a cooling tower.

CII WATER AUDIT TRAINING AGENDA:

August 22-24th 2018

Day 1

Wednesday, August 22nd – Customer 1

8:45 AM – Meet at 222 Laporte Ave. and travel to the site

9:30 AM – 11:30 AM – Site One Audit

11:30 – 1:30 PM – Lunch and presentation from site on their water conservation efforts

1:30 PM – 4:00 PM - Review findings. Presentation on commercial kitchens, cooling towers, sterile processing, plans for next day

Day 2

Thursday, August 23rd – Colorado State University

9:00 – Meet at 222 Laporte Ave. (take MAX Bus down to CSU Campus)

9:30 – Old pool, cooling towers, restaurant (by 11:30)

12:30 – Lunch break – CSU Dining Hall

1:30 – Ozone laundry/library, Rec center, Sybil's ReUse Lab

4:00 – Wrap up and take MAX bus back to 222 Laporte

Day 3

Friday, August 24th – Customer 3

9:00 – Meet at 222 Laporte Ave., cooling towers, DI system, scrubber morning tour of site 3

12:00 – Lunch break - Pizza

1:00 – Payback Analysis & Software training 222 Laporte Ave

4:00 – Wrap up

WHAT TO BRING:

- Tablet or laptop that can run Excel – Bring a charger!
- Closed toed shoes
- Hair tie to keep hair back
- Business cards to leave
- Wear a shirt that identifies where you work
- Water Bottle
- Something to write on
- Pen/Pencil
- Hat, Sunglasses, Sunscreen

ANY ISSUES DAY OF: text or call Abbye Neel at 303-246-5520