This presentation premiered at WaterSmart Innovations

watersmartinnovations.com







Cash For Kitchens (C4K)

Water Education & Outreach Program for Restaurants and Commercial Kitchens

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West Basin Municipal Water District



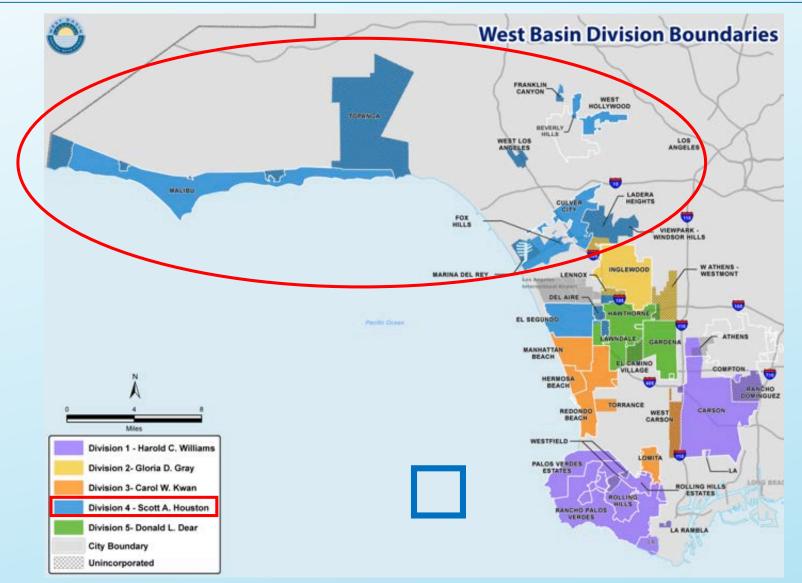
Public wholesale water agency

Member agency of the Metropolitan
 Water District of Southern California

 Provides imported drinking water to nearly 1 million people in 17 cities

 Produces 5 types of "designer" recycled water for municipal, commercial, and industrial customers

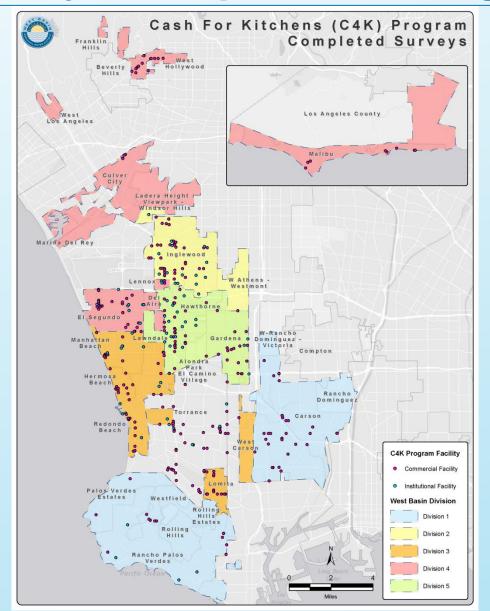
West Basin's Service Area



Cash For Kitchens (C4K) Overview

- C4K began in 2008 to address water efficiency in restaurants and commercial kitchens
- Since its inception, C4K has accomplished:
 - ✓ Over <u>350</u> commercial kitchen / restaurant visits
 - ✓ Over 70 institutional kitchen audits
 - √ Faucet aerators distributed → 900+
 - √ Flow restrictors distributed → 400+
 - ✓ Pre-rinse spray valves distributed → 200+

C4K Surveys Completed Through 2016



The C4K Process

Audit scheduled with management

Auditor completes audit checklist, prints report immediately, and reviews w/ manager

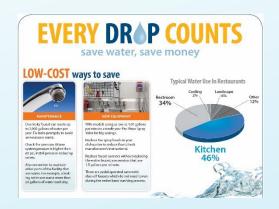
Auditor delivers devices and education materials; encourages staff to take quiz

Management installs free devices, shares educational materials with staff and customers

Follow up call / visit to ensure devices installed and any leaks are fixed

West Basin presents Certificate of Completion to the restaurant

C4K Program Goals



INCREASE WATER AWARENESS

- Poster & Quiz
- Window Clings
- Children's Activity Placemats
- Training Sessions



PROVIDE LOW-FLOW DEVICES

- Faucet Aerators
- Flow Restrictors
- Pre-Rinse Spray Valves
- Water & Energy Rebates



ENCOURAGE BEHAVIORAL CHANGES

- Visual Prompts in the Kitchen
- Open Dialogue w/ Employees
- Certificate of Completion
- Public Recognition

Water Efficiency: Survey

- Audits usually scheduled for mornings
- Auditor meets with manager on duty, and begins taking inventory of water devices; checks for leaks

 Auditor measures all sink & faucet flow rates with timer & flow bag

 Staff is interviewed to find out the typical use of each station / sink





Water Efficiency: Rebates & Free Devices



Faucet Aerators (0.5 gpm and 1.5 gpm)



Flow Restrictors (0.5 gpm)



Pre-Rinse Spray Valves (1.1 gpm – 1.25 gpm)

Available Rebates (MWD)



Connectionless Food Steamer

Air-Cooled Ice Machine



Energy Efficiency: Rebates



SoCalGas Rebates

Pressureless Steamer

Combination Oven



Commercial Electric Griddle





Edison Rebates

Electric Convection Oven



Water Efficiency: Customized Report







Water Efficiency: Customized Report

Water-Use Efficiency Recommendations Ago Restaurant West Hollywood, CA

Initial Assessment Date: 10/21/15 Assessment team: Adolfo Lazcano

Thank you for your participation in the Cash for Kitchens program! West Basin has provided your facility with the following items:

Devices:

- 5 pairs 1 gpm Flow Restrictors
- 0 units 0.5 gpm Faucet Aerators
- 1 unit 1.1 gpm Pre-Rinse Spray Valve

Educational Materials:

- Placemats and crayons for kids
- Window cling
- Device rebate information
- Poster and Training Manual



The Water-Energy Nexus



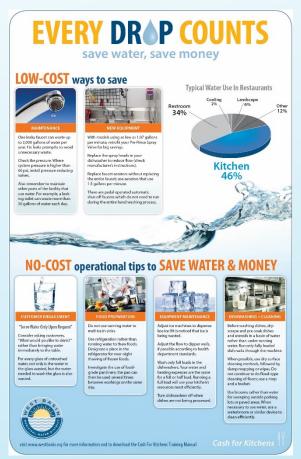
Joint Audits with Energy Utilities

- Single, streamlined visit for busy restaurants
- Helps to emphasize the link between water & energy use in kitchens



 SoCalGas technician discovers a broken thermostat during a joint visit

Education & Behavior: Poster







English

Spanish

Chinese

Education & Behavior: Poster & Follow-up



California State University, Dominguez Hills



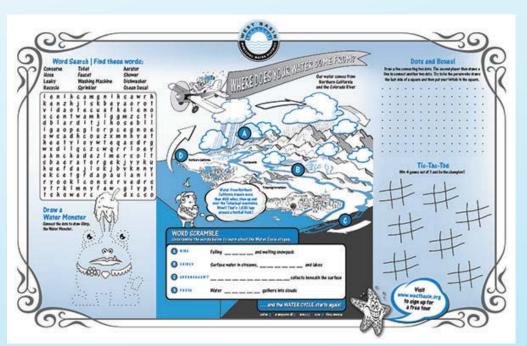
Duke's Restaurant, Malibu

Program manager called all 45 restaurants (+ 10 follow-up visits)

- Were devices installed? Why / Why Not?
- Is the poster up?
- Were leaks fixed?

Education & Behavior: Placemats & Quiz

Tablet Raffle: Incentive to Participate in C4K Poster Quiz



Children's Placemats: Fun & Water Education! (Crayons Included)



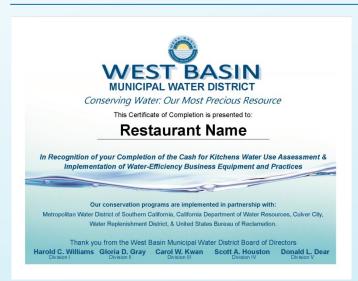
Follow Up: Training Sessions

- Training Sessions: Scheduled to coincide with staff meetings
- Trainings became opportunities to speak openly with staff about the reality of water use in kitchens & restaurants
- Managers, owners, and staff attend the training, and provide feedback on C4K program elements





Follow Up: Public Recognition



- A Certificate of Completion is given to restaurants that participate in C4K and implement changes
- Restaurants are invited to City Council meetings to receive public recognition for their conservation efforts





C4K: Lessons Learned

- Restaurants are very busy!
 - Scheduling issues
 - Maximize each visit
 - Management / staff
 communication

- Water conservation vs.
 "optimal" workflow:
 - o Faucet / Sink Use
 - Defrosting Meats





C4K: Lessons Learned

Flow restrictors vs. faucet aerators

- Be flexible; tweak program when necessary
 - o Quizzes
 - Training Sessions





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