



# Navigating the Waters:

Local Government Partnerships working with regional water districts on local water and energy efficiency programs

June 20, 2013

Local Government Council Conference

Connecting the Dots: Local Projects that Save Water & Energy

Elise Goldman

Water Efficiency Specialist

West Basin Municipal Water District

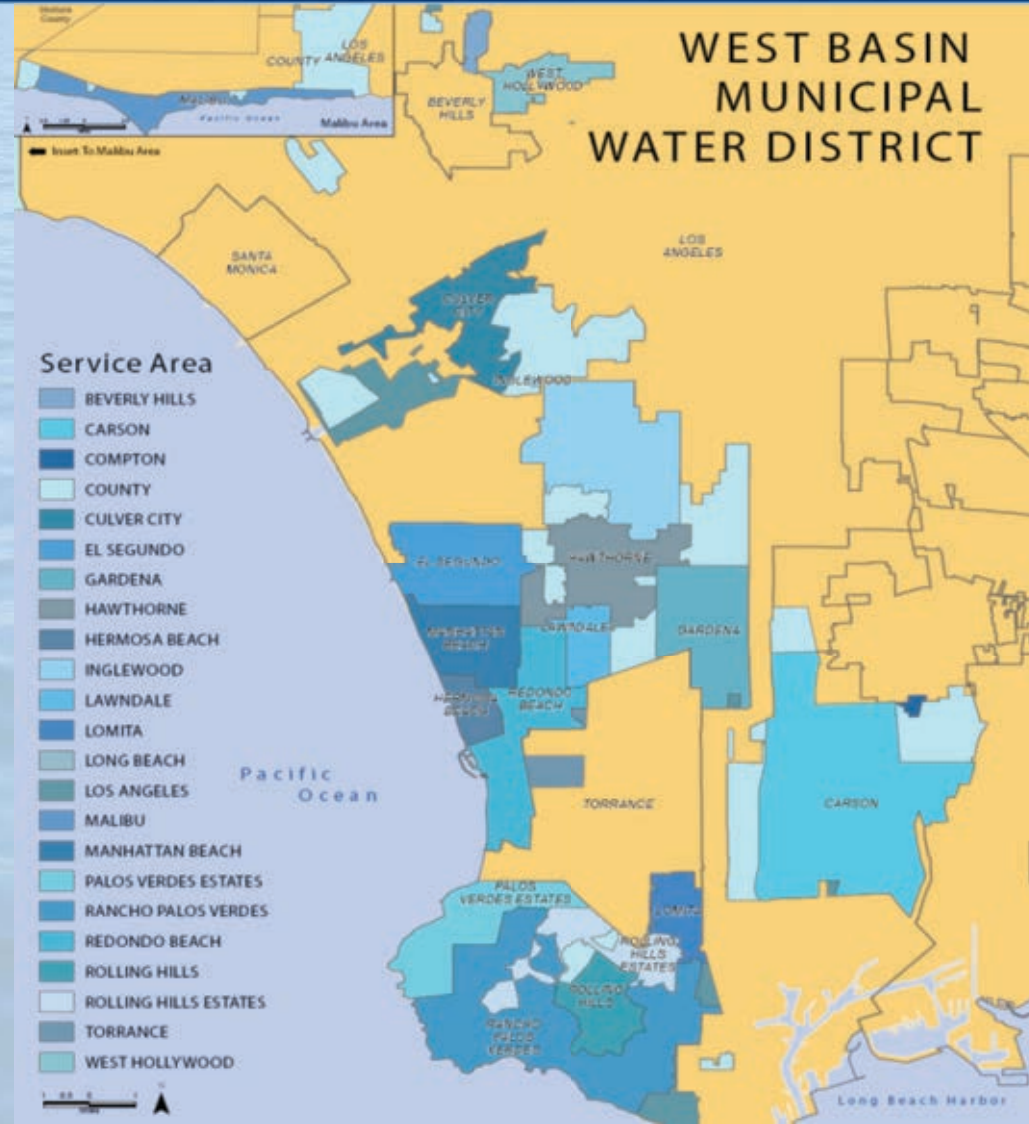


# Who is West Basin?

Municipal water wholesale agency governed by a 5-member publically elected Board

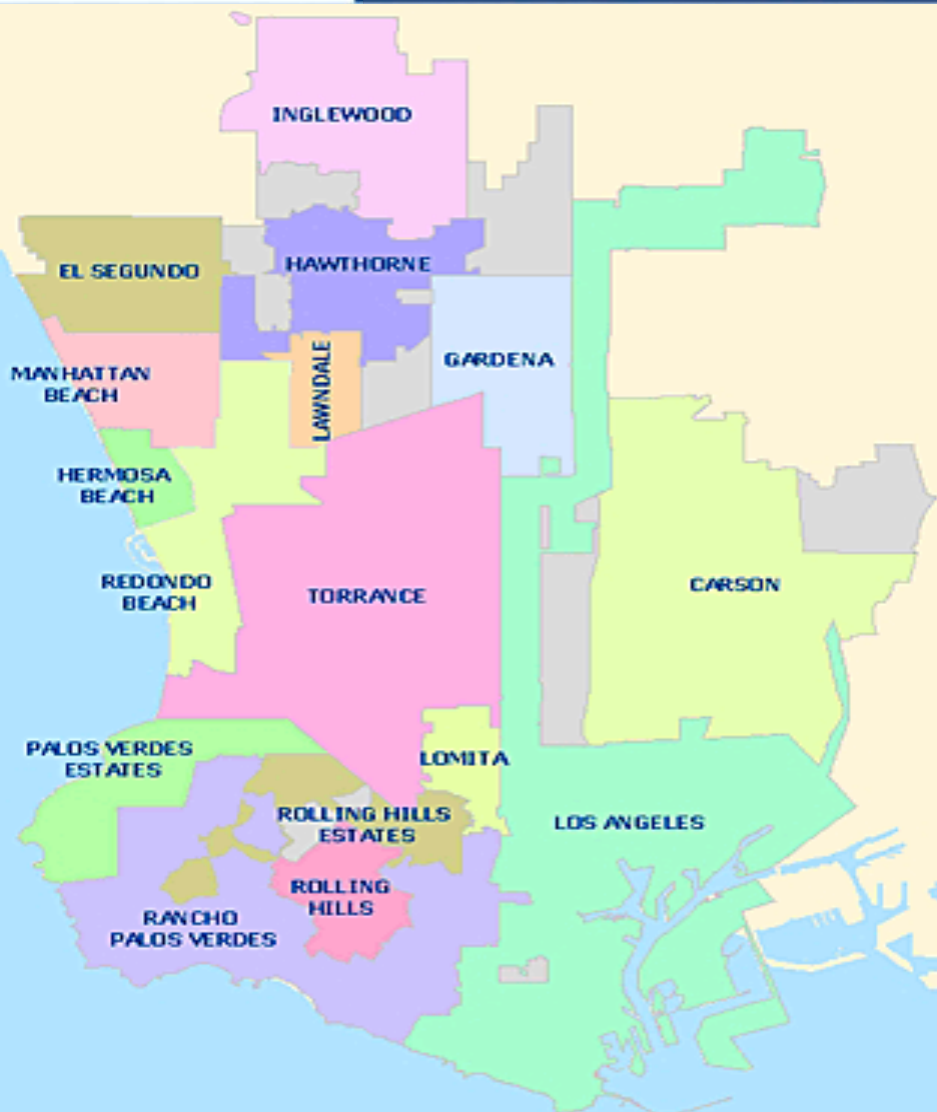
Represents nearly 1 million people in 17 cities across 185 square miles

Provides imported water, recycled water, water efficiency and education programs to businesses and residents





# Who is the South Bay Environmental Services Center?



In 2002, the original partnership between the South Bay Cities Council of Governments and Southern California Edison (SCE) and Southern California Gas Company (SCG) was formed as the South Bay Energy Savings Center (SBESC)

West Basin joins partnership in 2006. Since then, Torrance Water joins partnership along with the Los Angeles County Sanitation District, Metropolitan Transportation Authority & the County of Los Angeles.

SBESC modified from “Energy Savings” to “Environmental Services”



**SOUTH BAY**

**ENVIRONMENTAL SERVICES CENTER**

South Bay Cities Council of Governments



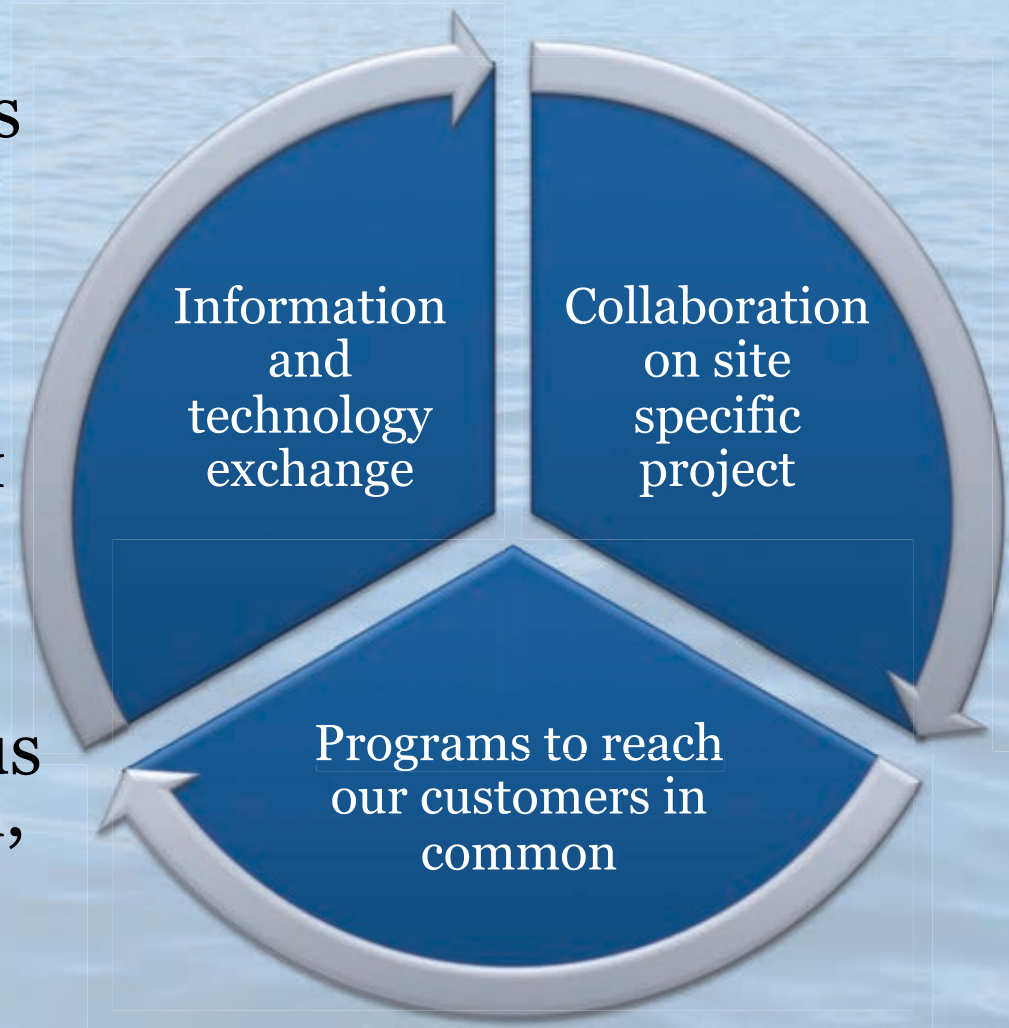


# Benefits of the Partnership

Monthly Meetings, cross  
“pollination” of  
programs/projects

Leveraging energy  
efficiency programs &  
rebates, events &  
outreach

Consistent regional focus  
on resource reduction,  
access to clearing  
house of information





# What have we learned?

## Leveraging Relationships

- SBESC partnership
- Energy staff beyond partnerships

## Planning Ahead

- West Basin budget cycles vs. IOU Program Cycles



# “Map Making”: Master Planning Efforts

Chapter 6 of the West Basin Water Efficiency Master Plan features a Water and Energy Implementation Plan that lays out both short-term and long-term strategies

The strategy of the **short-term plan** is to select the programs that offer the most potential for water savings as well as ability to demonstrate successful partnership models.

Key elements of the **long-term strategy** are to:

1. Leverage the best opportunity programs for the next two years
2. Demonstrate success from these programs
3. Creating a regional “task force”
4. Develop a regional strategy
5. Obtain CPUC credit for embedded energy savings
6. Designing potential programs for future rate cases
7. Obtaining approval for potential programs



WEST BASIN MUNICIPAL WATER DISTRICT

## WATER EFFICIENCY Master Plan 2011-2015

Part of West Basin's Water Reliability 2020 Program







# Short Term Plan: Potential Water Energy Programs

Programs analyzed for ease of implementation with the following criteria in mind:

- Water and energy savings
- Partnering opportunities

Table 6.1: Programs Analyzed for Energy Integration

Program or Service	Target Market	Lead Implementation Agency
Cash for Kitchens	Restaurants and other Food Service Operations	West Basin in coordination with SBESC and SoCalGas
Green Living & Energy Direct Install Program	Multi-family Sites	West Basin
SCE Non-Residential Audit Program	Commercial Site	SCE
Small Business Direct Installation Program	Small Businesses	SCE 3 <sup>rd</sup> Party
Energy Upgrade in California (LA County Energy Program)	Single Family Homes (Multi-family and commercial to be phased in)	L.A. County through General Contractors
Government Energy Leader Program	Public Sector Agencies	SBESC
Schools Food Service Rebate Program	Schools	SBESC
Home Energy and Water Surveys	Single Family Homes	SCE
Commercial Restroom Retrofit Program	Commercial Facilities	West Basin
Recirc & Save Program	Industrial Facilities	West Basin



# Selected Water Energy Programs

The final cut...

**5 programs identified** during the planning process

...or was it?

Water and energy utilities are now working together in some collaborative way on **4 additional programs**

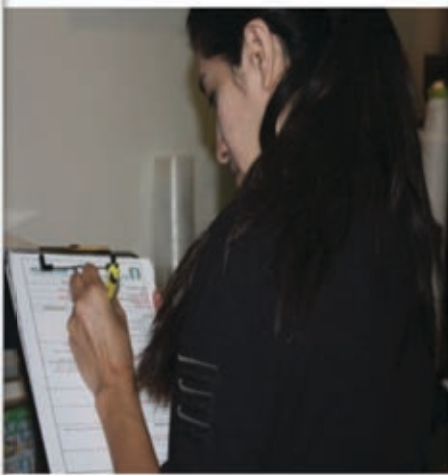
Table 6.1: Programs Analyzed for Energy Integration

Program or Service	Target Market	Lead Implementation Agency
Cash for Kitchens	Restaurants and other Food Service Operations	West Basin in coordination with SBESC and SoCalGas
<del>Green Living &amp; Energy Direct Install Program</del>	Multi-family Sites	West Basin
SCE Non-Residential Audit Program	Commercial Site	SCE
Small Business Direct Installation Program	Small Businesses	SCE 3 <sup>rd</sup> Party
Energy Upgrade in California (LA County Energy Program)	Single Family Homes (Multi-family and commercial to be phased in)	L.A. County through General Contractors
Government Energy Leader Program	Public Sector Agencies	SBESC
Schools Food Service Rebate Program	Schools	SBESC
Home Energy and Water Surveys	Single Family Homes	SCE
Commercial Restroom Retrofit Program	Commercial Facilities	West Basin
Recirc & Save Program	Industrial Facilities	West Basin





# Ca\$h for Kitchens



Piloted in 2009 through the Metropolitan Water District's Enhanced Conservation Program

Implemented with SBESC staff

Targeting the commercial food facility sector & offering:

- ✓ Free water use survey, training for kitchen staff
- ✓ Free devices to replace inefficient equipment:
  - Pre-Rinse Spray Valves
  - Faucet Flow Restrictors
  - High-Efficiency Waterbrooms



# Collateral Material Development

## Training Manual

### INTRODUCTION

Water Use Efficiency is a way to run your business smart. It's good business practice and improves profitability by conserve resources.

Commercial food service represents one of the largest water using sectors of non-residential customers. Water use in food service is also important because of the high volume of hot water used. As early, the energy required to heat that water can be significant. The reduction of water consumption in kitchen facilities is therefore of much interest to all providers, evident in the fact that many institutions seek for both water and energy efficient equipment. Minimizing water use responsibly in your kitchen.

- Get your patrons involved! Communicate the your message to your patrons. Install signs in the restaurant and encourage water conservation. Create an opportunity conservation suggestions. Place suggestion boxes in the kitchen.



### HELPFUL LINKS FOR ON-GOING SAVINGS



www.epa.gov



www.doe.gov



www.doi.gov



www.usda.gov



### CASH FOR KITCHENS TRAINING MANUAL

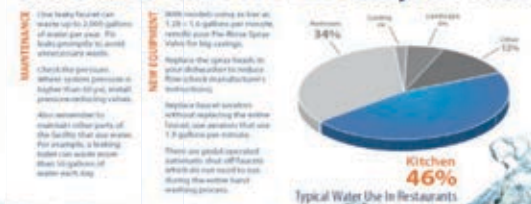
### CADA GOTA CUENTA ahorre agua

Aquí están algunas maneras para ahorrar de **BAJO COSTO**

Un grifo que gotea puede gastar hasta 3,000 gal. de agua al año.  
Con modelos que solo usan agua 1.28 y 1.6 galones de agua.

### EVERY DROP COUNTS save water

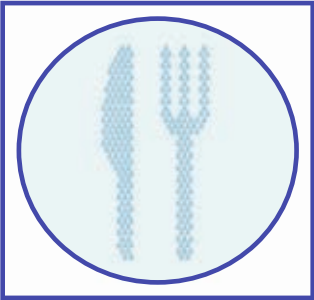
Here are some **LOW-COST** ways to save



Here are some **NO-COST** operational  
Tips to **SAVE WATER & MONEY**

- CONSERVATION**
  - For each faucet and shower, install a low-flow aerator or showerhead. These devices reduce the amount of water used to wash dishes.
  - Wash your pots and pans in a sink, not under running water. Only fill the sink with water as needed.
- WATER**
  - Don't use running water to wash dishes. Turn off the water when you're scrubbing.
  - Use a sponge to wash dishes. This reduces the amount of water used.
- EQUIPMENT**
  - Replace old dishwashers with new ones. New dishwashers use less water and energy.
  - Check for leaks. A single dripping faucet can waste up to 3,000 gallons of water a year.
- TRAINING**
  - Train your staff on water conservation. Encourage them to turn off the water when they're done.
  - Post signs in the kitchen and dining area to remind staff and customers to conserve water.

Educational  
Laminated Poster



# Training the trainer

## TABLE OF CONTENTS

Introduction .....	2
Employees: Your Water Efficiency Ambassadors .....	3
Changing Behavior .....	6
Equipment .....	7
Washing Dishes .....	11
Helpful Links for Ongoing Savings .....	14

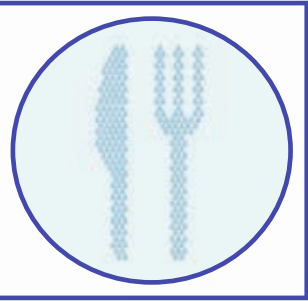
Employees: Your Water Efficiency Ambassadors .....	3
Changing Behavior .....	6

- Train the Trainer Session
- Collateral Materials to reinforce messaging

Equipment .....	7
Washing Dishes .....	11

- Water use survey and equipment testing
- Distribution of high-efficiency devices





# Device Distribution & Rebate Incentives

Eligible equipment identified in water use survey as older or inefficient can be replaced with new free devices:

- Pre-Rinse Spray Valves
- Faucet Flow Restrictors
- High-Efficiency Waterbrooms



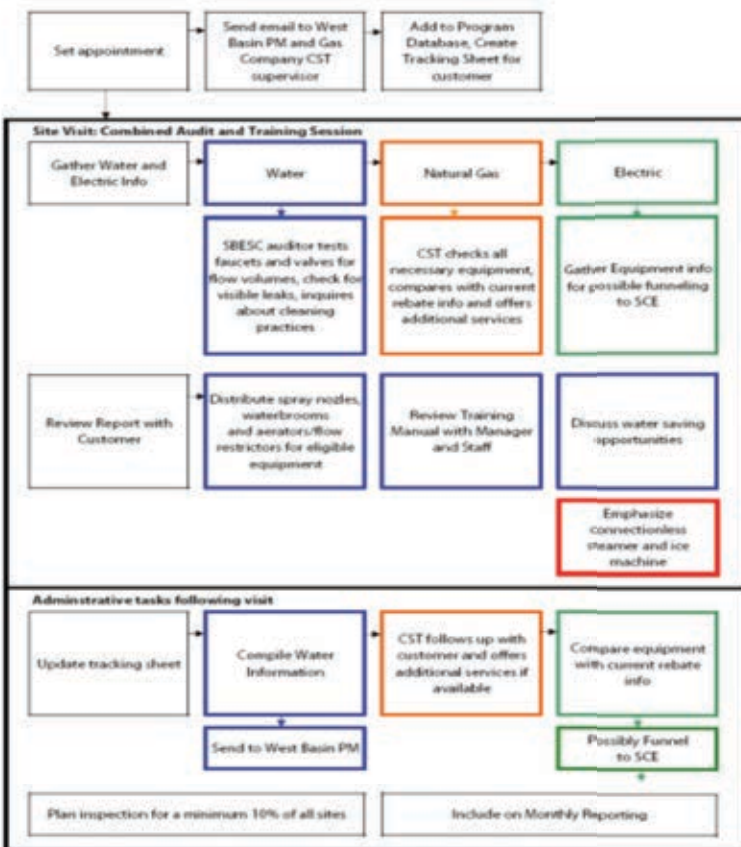
Rebates available from both water and energy utilities for:

- Ice Machines
- Connectionless Food Steamers



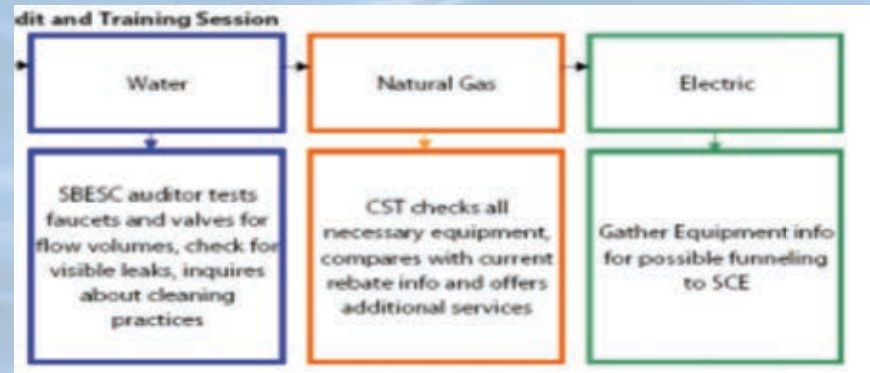
# Phase 2: Just add energy

Figure 1-2: Cash for Kitchens, Phase II Program Flow - Combined Audit and Training and Collaboration with Gas Company Commercial Service Technician Program



Both gas and electric have always been part of the information gathering/funneling process

2011 Gas Company agreed to coordinate the Commercial Service Technician (CST) group with the Cash for Kitchens program







# Charting a successful course

Cooperative relationship with So Cal Gas brings an informed energy presence to the survey to help promote both water and energy best practices



Visits must be scheduled with enough lead time to ensure CST can attend the site visit







# Where to now...

Merging auditing activities & possible funding opportunities?

Quantification of energy savings from water saved?

Other Local Government Partnerships seeking out partnerships with regional water agencies?

**Thank you**

Elise Goldman

310.660.6253

[eliseg@westbasin.org](mailto:eliseg@westbasin.org)