



# Commercial Water Conservation Programs

COA/LCRA Technical Workshop

September 25, 2015

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# Eligible Businesses

- Office Buildings
- Hotels
- Restaurants
- Schools
- Hospitals
- Retail/wholesale businesses
- Manufacturing



# Typical water saving areas

- Plumbing fixtures
- Commercial kitchens
- Laundry systems
- Cooling towers
- Manufacturing process
- Landscape design and irrigation





# “Bucks for Business” Rebate

- \$0.50/1,000 gallons saved over ten year lifetime up to \$100,000 or 50% of equipment costs, whichever is less
- Examples of eligible projects:
  - Laundry water use reduction (e.g., ozone treatment)
  - Cooling tower water use reduction systems
  - Dry cooling or geo-thermal systems
  - AC condensate and/or foundation drain water systems
  - Reuse of rinse water used in the high tech industry
  - Health care equipment

# Kitchen Equipment Rebate

- ENERGY STAR® rated equipment
  - Dishwashers
  - Steam Cookers
  - Combination Ovens
  - Pre-Rinse Spray Valves
- Rebate amount varies based on type of equipment



# Other Programs

- Irrigation System Rebate:

- Up to \$5,000 for central computer irrigation control system; master valves, flow sensors, multi-trajectory rotor spray nozzles

- Rainwater Harvesting Rebate:

- \$0.50-\$1.00 per gallon capacity up to \$5,000

- Reclaimed Water:

- \$1.99/1000 gallons  
(versus \$5.98 - \$6.58 potable water)



# Water Efficiency Audit Rebate

- 75% of audit cost up to \$5,000, whichever is less
- Must have annual water use of 100,000 gallons or more
- Must commit to fixing controllable leaks and adjusting equipment settings to qualify



# Code requirements



- Plumbing Fixtures:

- 1.28 gpf low-flow tank and 1.0 gpf flush valve toilets; 0.5 gpf urinals (new or replacement toilets)
- Public bathroom faucet aerators max. 0.5 gpm



- Food Service Establishments

- Restaurants in Austin may only serve water upon request.
- Ice machines must be air cooled or if water-cooled, must use recirculating water.
- Pre-Rinse Spray heads must not use more than 1.6 gallons per minute.
- Food waste disposal systems are prohibited.

# Code requirements (con't)

- Cooling Towers (new or replacement)
  - Conductivity controllers
  - Makeup and blowdown meters
  - Overflow alarms
  - Drift eliminators
  - Minimum of 5 cycles of concentration potable water is utilized



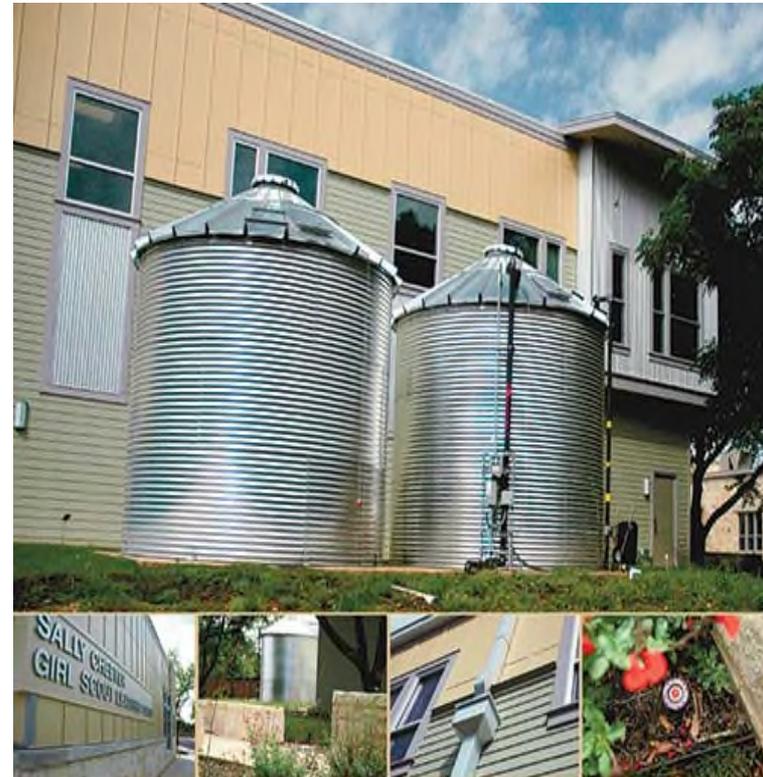
# Code requirements (con't)



- Automatic irrigation systems
- Mandatory Irrigation System Inspections
- Commercial Car Wash Certification
- Mandatory reclaimed water hookup

# On the horizon

- A/C condensate recovery new development
- All cooling towers must meet efficiency standards, equipment and inspection and reporting requirements
- Mandatory toilet retrofit upon resale or date certain



# Potential PACE Projects

- Large Scale Toilet/Plumbing Fixture Retrofit
- Rainwater/AC Condensate Recovery and Reuse Systems
- Reclaimed Water “Purple Pipe” Systems
- Potable Rainwater and Graywater Recycling systems





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