

How to Get Help
Adopting Water-Saving
Measures — Without
Paying For It

Presented by: Rachel Levine Energy Solutions











#### Agenda

- What is the Statewide Reach Codes Program?
- What does it have to offer?
- Helpful water saving ordinance examples.
- How we can help you.



#### Who We Are

Utility-funded statewide program with the goal of providing jurisdictions **free support** to adopt **water conservation** ordinances.

#### What is a 'Reach Code'?

Ordinances adopted at the **local level** by individual municipalities and jurisdictions to facilitate water and/or energy savings beyond California mandates.

- ➤ Reach codes are voluntary for jurisdictions to adopt.
- ➤ May reference or interact with Title 24, CALGreen, California Plumbing Code regulatory bodies.
- ➤ Can be tailored to the specific needs of the jurisdiction.



#### **Statewide Reach Codes Program Areas**

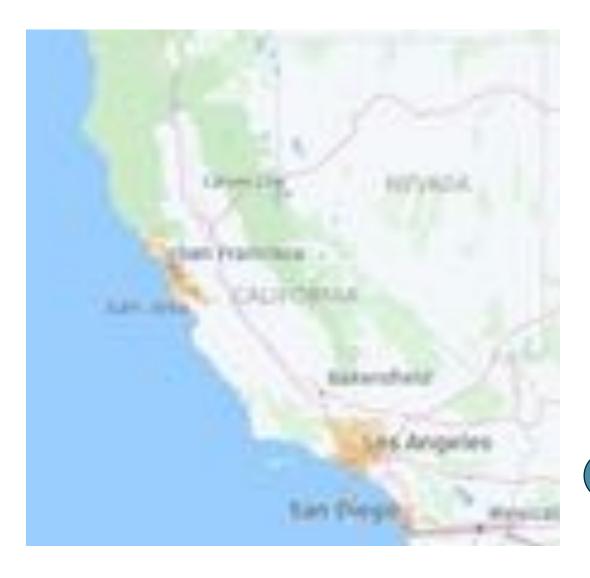
Area of Scope	Measure Examples
Energy Efficiency/Renewables	<ul><li>Whole building performance-based codes</li><li>Nonresidential Solar PV Systems</li></ul>
Energy Plus Water	<ul><li>Graywater systems</li><li>Commercial Kitchen Water Efficiency</li><li>Water neutral development</li></ul>
Electric-Ready	Electric vehicle charging
Process Loads	<ul><li>Elevators (regenerative drive system)</li><li>Escalators (variable frequency motors)</li></ul>
Information Disclosure	<ul><li>Audits at time-of-retrofit or time-of-sale</li><li>Benchmarking</li></ul>

Our Objective: Facilitate Reach Code Adoption

- Preparation cost-effectiveness analyses
- Development model language
- Creation of staff resources
- Attendance at workshops/presentations
- ➤ Attendance at Council/Board meetings
- > Newsletter content



#### Reach Code Uptake



- Various types of codes.
- Municipalities becoming increasingly interested in wateroriented codes.

Find our Local Ordinance Map on <a href="localenergycodes.com">localenergycodes.com</a>

#### **General Reach Code Adoption Process**

LOCAL REACH CODE PROCESS .

- 60-80 DAYS -



-15-90 DAYS-



### **Program Resources**

#### **Cost Effectiveness Analyses**



Local Energy and Water Efficiency Ordinances

Energy and Water Efficiency Cost-Effectiveness Study for Residential and Nonresidential New Construction

> Prepared for: Kelly Cunningham Codes and Standards Program Pacific Gas and Electric Company

> > Prepared by: Energy Solutions

Last Modified: April 3, 2019

- 17 measures included.
- Nonresidential, multifamily, and single-family building types represented.
- Both indoor and outdoor water use applications.
- Measures may be adopted in entirety, in parts, or modified.







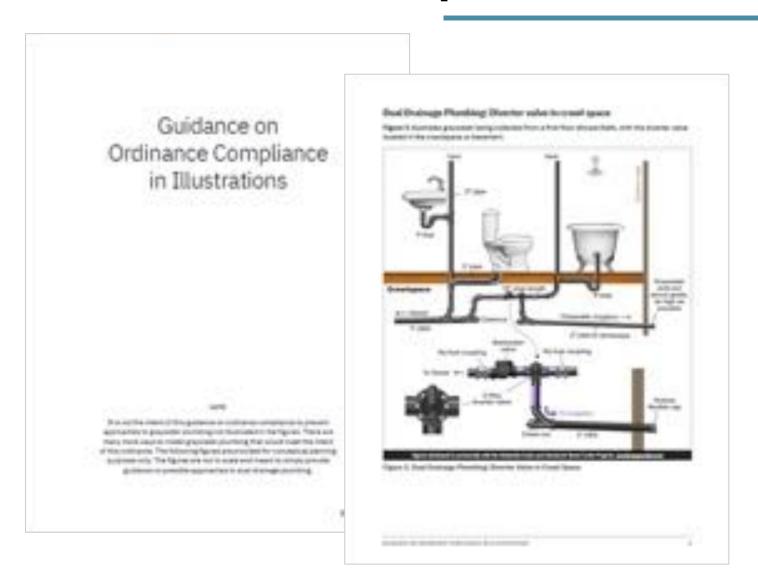


#### **Model Code Language**



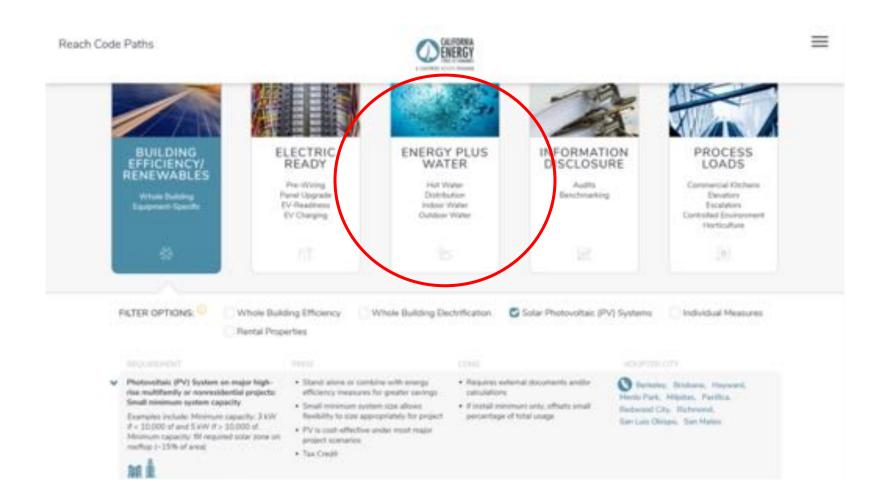
 Code language can be edited to include municipality-specific requirements.

#### Implementation Guide



- For graywater installations in singleand multifamily applications.
- Illustrative representations of installation steps.
- Ability to develop additional Guides and modify for each municipality.

#### **Program Offerings**

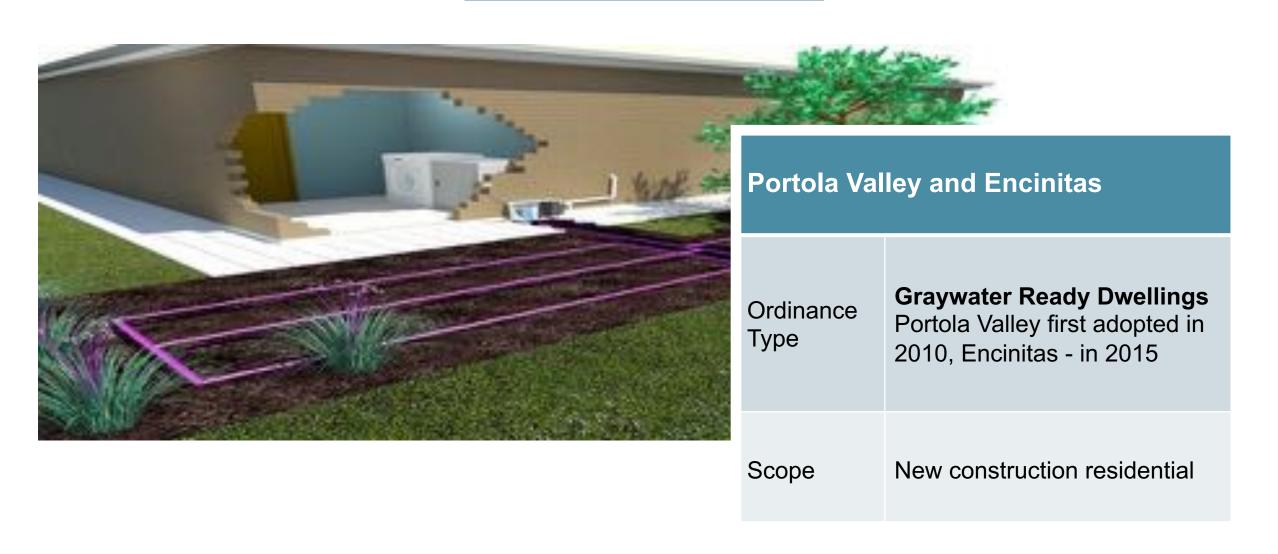


Our website houses our code recommendations.



# **Examples of Water Saving Ordinances**

#### **Graywater Ready Dwellings**



#### **Onsite Non-potable Water Reuse**

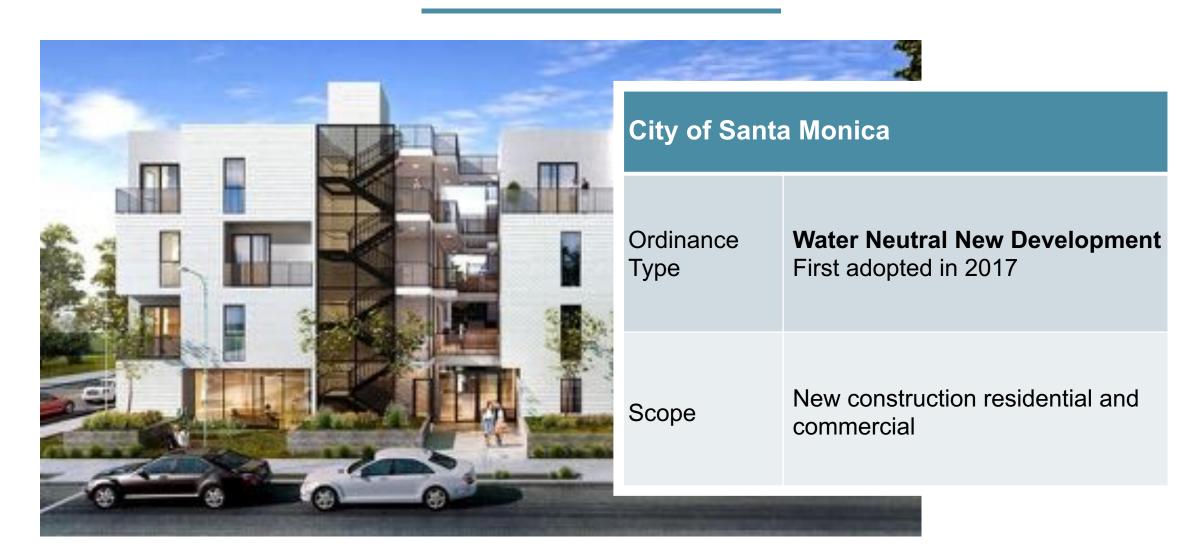


Ordinance
Type

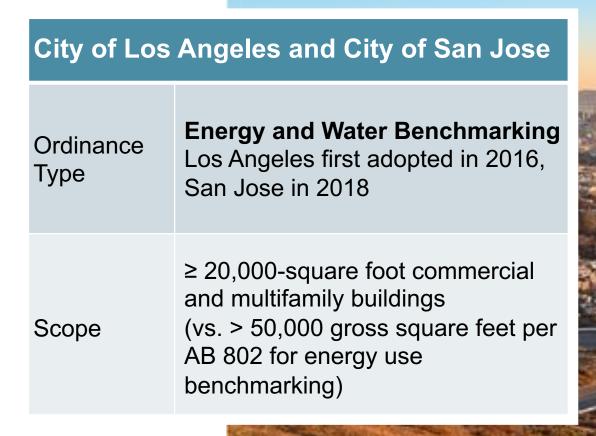
Onsite Non-potable Water
Reuse
First adopted in 2012

Nonresidential new development
with ≥ 250,000 gross square feet

#### Water Neutral New Development



#### **Energy and Water Benchmarking**





**Getting Help with Adoption** 

**Considering Reaching Out?** 

- Our services are paid for through ratepayer funds and are provided at **no cost** to jurisdictions.
  - Engineering expertise
  - Codes and standards expertise
- ➤ Adoption of the code change is not required to ask for assistance.
- Resources are not limited to our current offerings, let us know if you have other ideas!



## Getting assistance from our program is as easy as emailing us!

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## Thank you for your time!

Visit our website: <a href="localenergycodes.com">localenergycodes.com</a>