#### 2022 North Texas Water Conservation Symposium

Communicating Conservation November 17, 2022



#### Bio



#### Matt Wittern

#### Senior Consultant, Raftelis

- 20+ Years of Experience
- Accredited in Public Relations, PRSA
- Certificate in Public Participation, IAP2
- Project Management Professional, PMI
- BA Journalism, Colorado State University



#### Who is Raftelis?

#### The most experienced

utility financial, communications, and management consulting practice in the nation.

#### With more than...



consultants across the U.S.

Raftelis has provided financial/ organizational assistance for

1,200+

public agencies and utilities

that serve more than

25%

of the U.S. population

including the agencies serving



of the nation's 50 largest cities

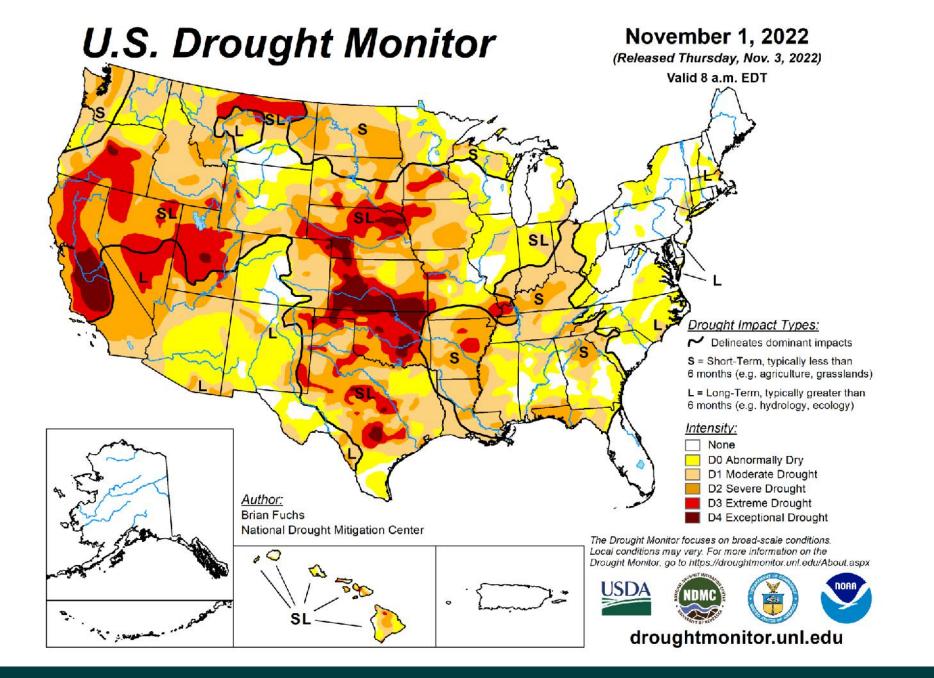
#### **Today's Discussion**

- Purpose and Need
- Public Relations Theories and Concepts
- Successful Water Conservation Campaigns Showcase

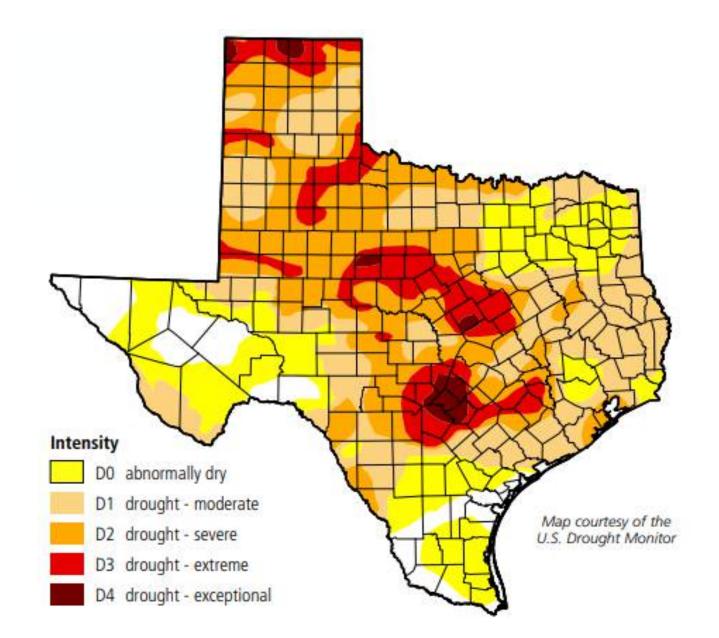


# Purpose and Need





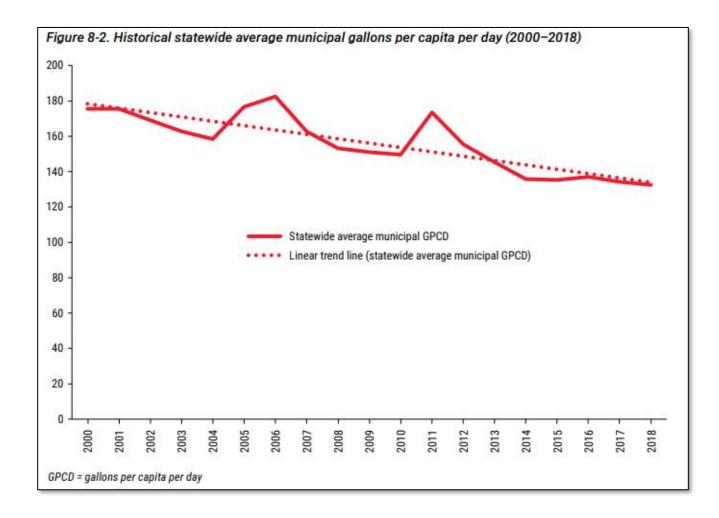






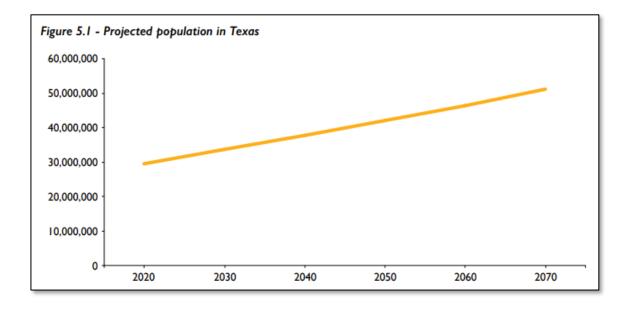
Credit: U.S. Drought Monitor

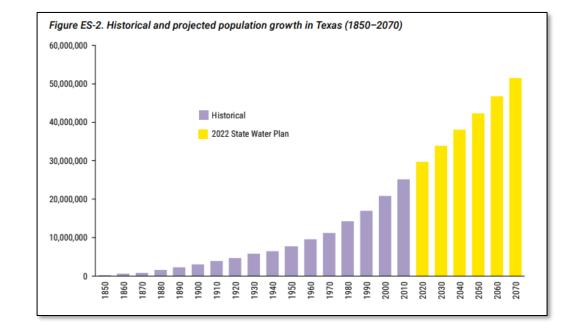
#### **TX Trends**



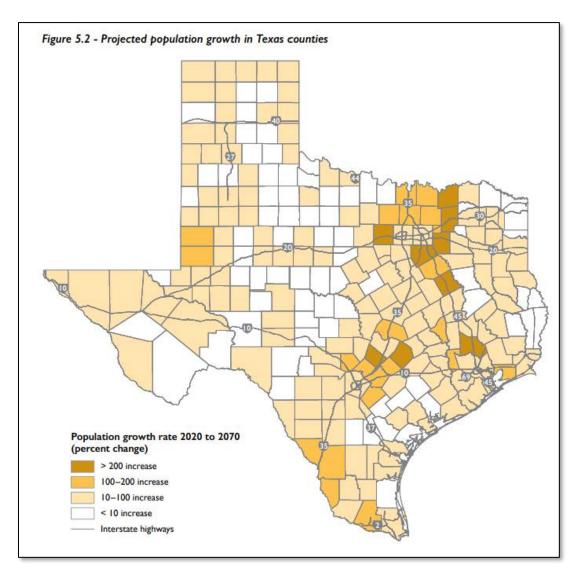


Credit: TX Water Development Board



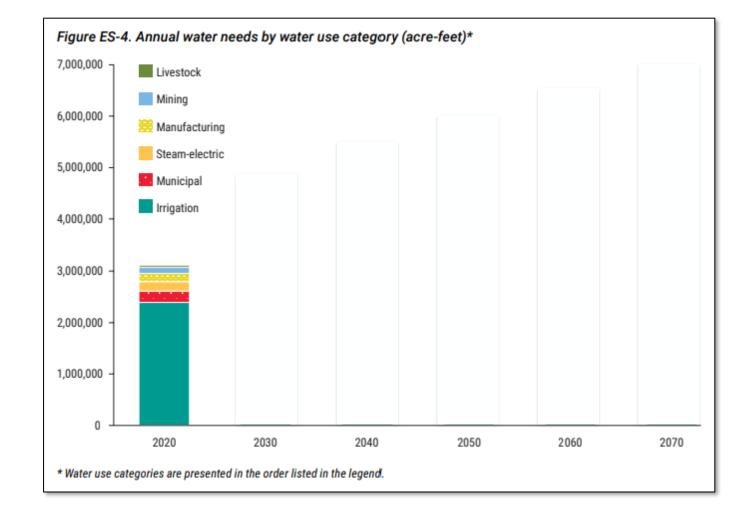




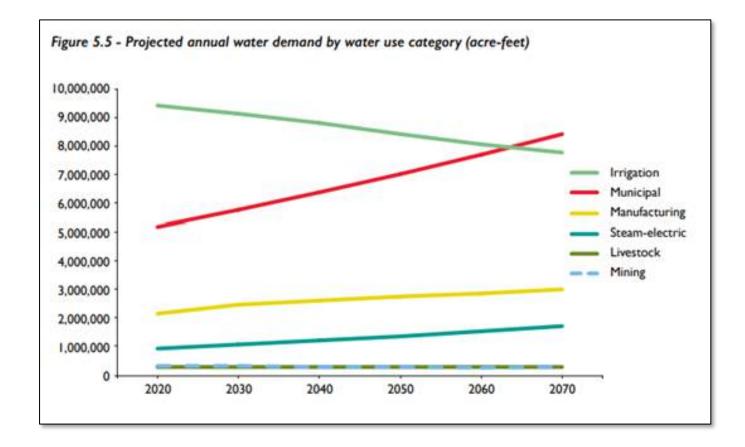


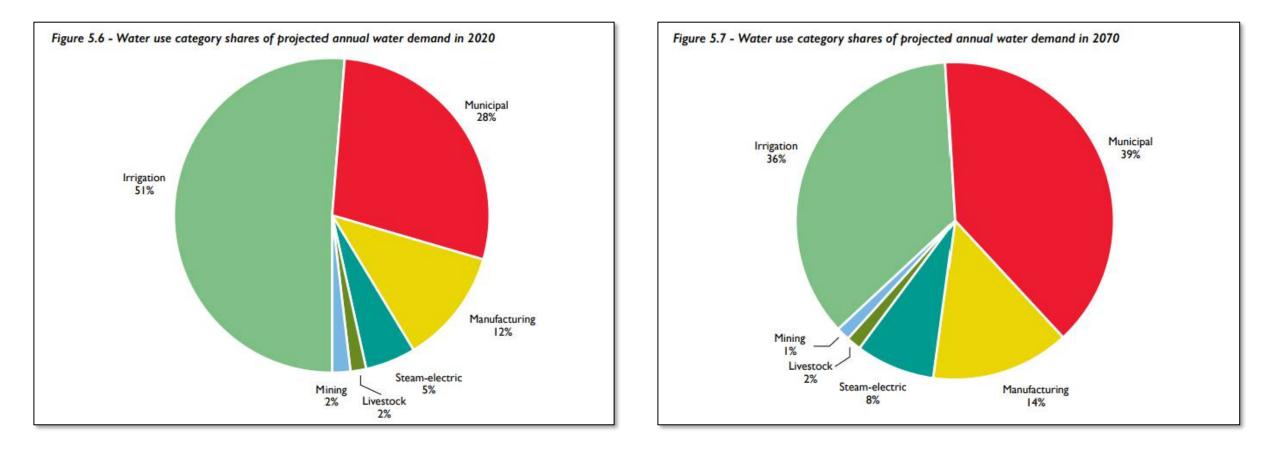


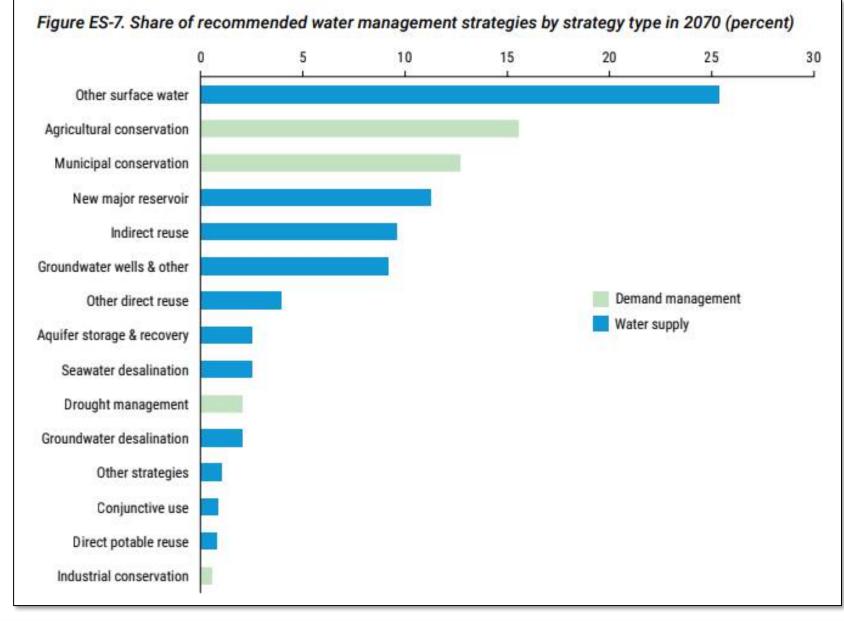
Credit: TX Water Development Board



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# FAILURE = -\$153

billion/year



#### **Conservation Comms:** what's difficult?

Fatigue: Crisis, Drought, Message Human nature to discount concern about issues as they go into the distant future

What difference can one person or one household make?

Unawareness of turf alternatives like xeriscaping and how that can be beautiful

Lack of commitment from my agency/utility to communicating need for conservation Lack of awareness that there is a drought/scarcity problem

ethic or culture

Ignorance of problem

Unwillingness to sacrifice (i.e., my gorgeous lawn!)

Outright denial – my faucet works every time I try to use it, so what's the problem? Lack of timely data (

Not much of a conservation

Lack of timely data (like from AMI) to understand usage/behavior link Internal utility audiences wondering why we'd want to discourage our product's usage, reduce revenue(s)

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# PR Theories / Concepts



### **Influencing Humans**

Situational Theory of Publics



Dr. James E. Grunig





#### **Situational Theory of Publics**



**Non Publics** 



Latent Publics



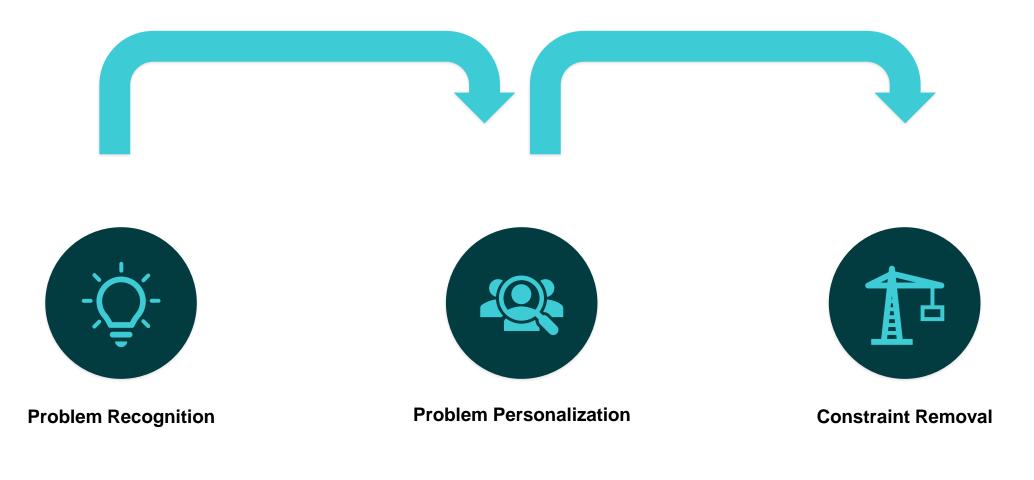
**Aware Publics** 



**Active Publics** 



#### **Grunig in Action**





#### **Situational Theory of Publics**



**Non Publics** 



Latent Publics



**Aware Publics** 



**Active Publics** 



#### **Situational Theory of Publics**



**Non Publics** 



Latent Publics



**Aware Publics** 



**Active Publics** 



Problem Personalization





**Problem** 

Recognition

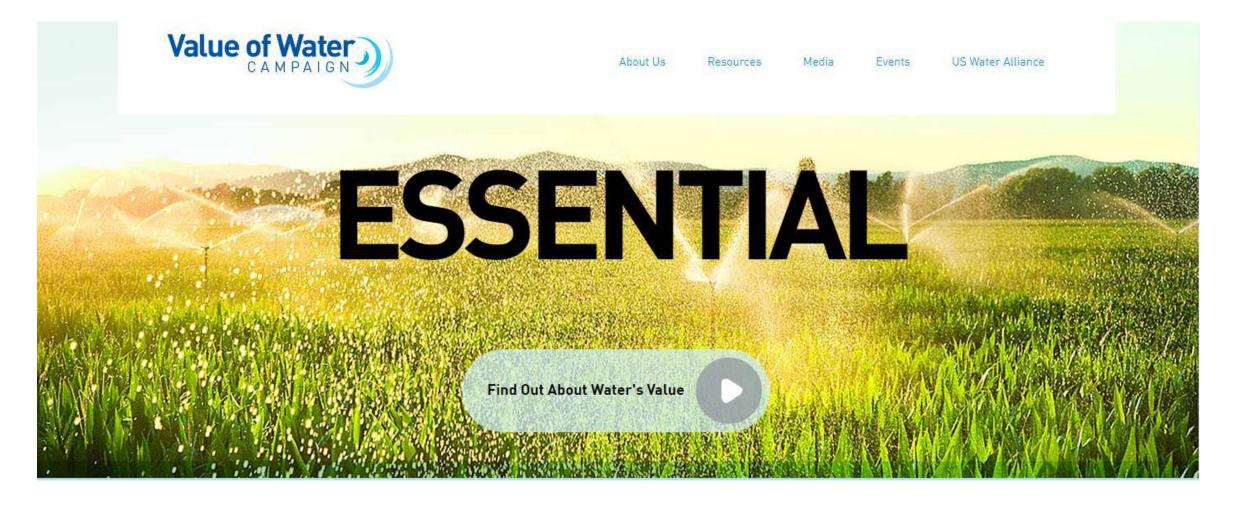




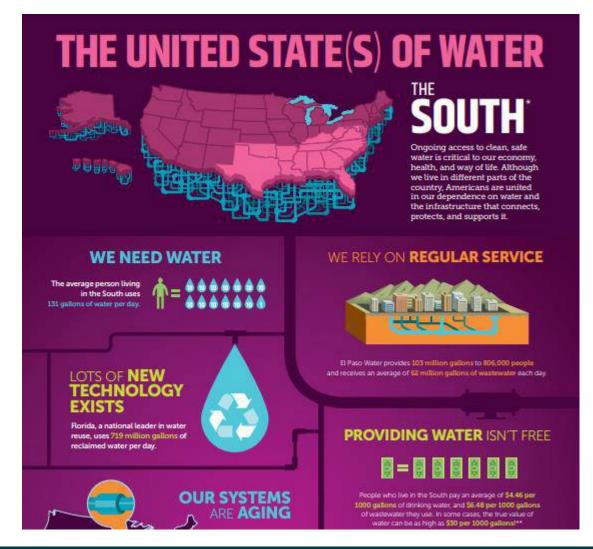












# WE RELY ON REGULAR SERVICE

El Paso Water provides 103 million gallons to 806,000 people and receives an average of 62 million gallons of wastewater each day.

# Value of Water



Credit: AWWA / WEF



#### NO WATER NO FLUSH

#NoWaterNoFlush #ValueWater





#NoWaterNoFlow #ValueWater





#NoWaterNoCoffee #ValueWater





Safety

Economy



Credit: AWWA / WEF





#NoWaterNoSmile #ValueWater



Environment

**Quality of Life** 



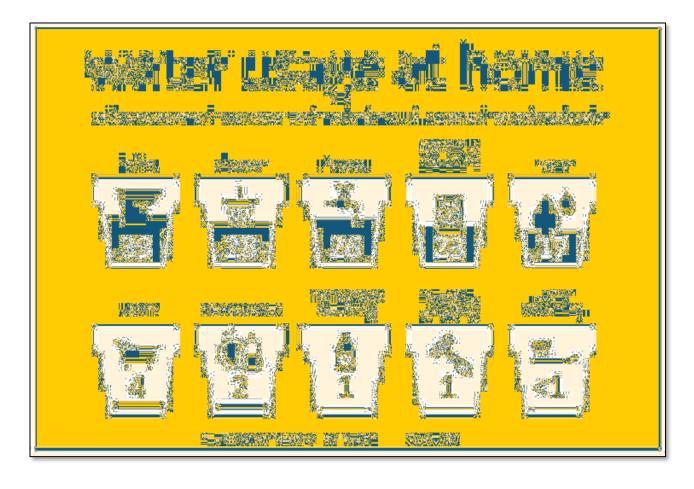
Value of Water

### Drilling Down: PROBLEM PERSONALIZATION



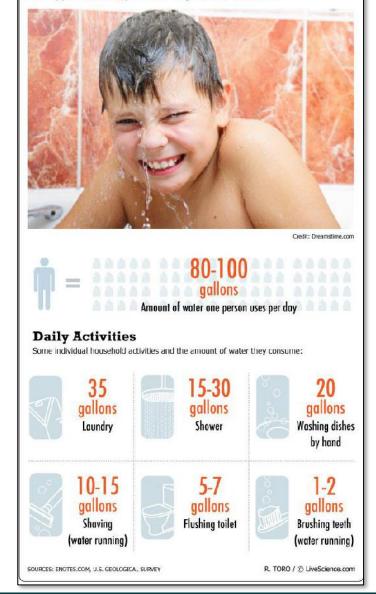
Af	fordability	Social Unrest	Lower Quality of Life	
Outdoor Recreation	Ground Subsidence	Severe Waterin Restrictio	g	Economic Impacts

#### **Drilling Down: PROBLEM PERSONALIZATION**



#### The Water We Use GoFigure!

Clean water, one of the world's most precious resources, plays an essential role in every person's life. Typical water usage in the United States:



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#### **Drilling Down: CONSTRAINT REMOVAL**

#### WHAT DOES A **20% REDUCTION** GALLONS **IN WATER** PER DAY LOOK LIKE?

#### **AVERAGE DAILY USE**

The average Californian uses 196 gallons of water per day. Here are some easy ways to reduce water use. Find the right combination for you to reduce by 20% or 39 gallons a day.



00000

WASH ONLY FULL LOADS OF CLOTHES

SAVES 15-45 GALLONS per load



196

**ONLY RUN DISHWASHER** WHEN FULL

SAVES 3-8 GALLONS per load



INSTALL AN ULTRA LOW FLOW TOILET

SAVES 19 GALLONS per person/day

**INSTALL AERATORS ON** 

1.2 GALLONS per person/day

FAUCETS

SAVES





SAVES 1.2 GALLONS per minute

TURN OFF WATER WHEN BRUSHING TEETH SAVES

10 GALLONS per person/day

For more information please visit www.ci.manteca.ca.us/PublicWorks/Water





## **Influencing Humans**

- Situational Theory of Publics
- Nudge Theory

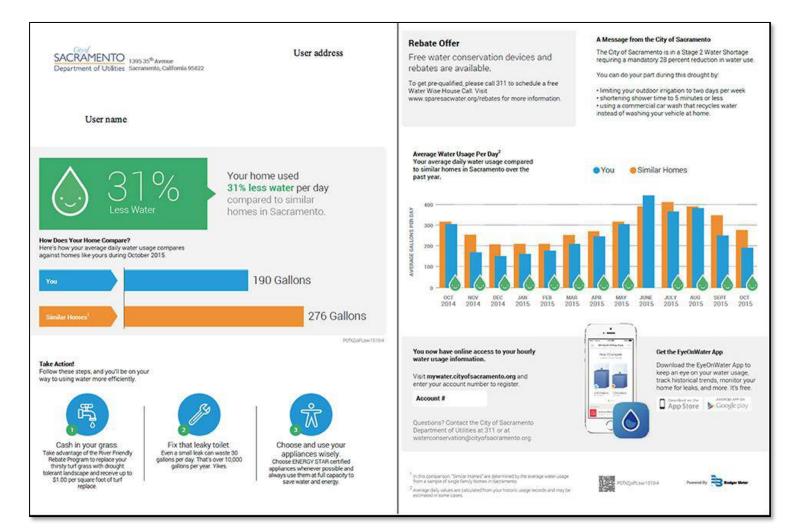


#### **Nudge Theory**



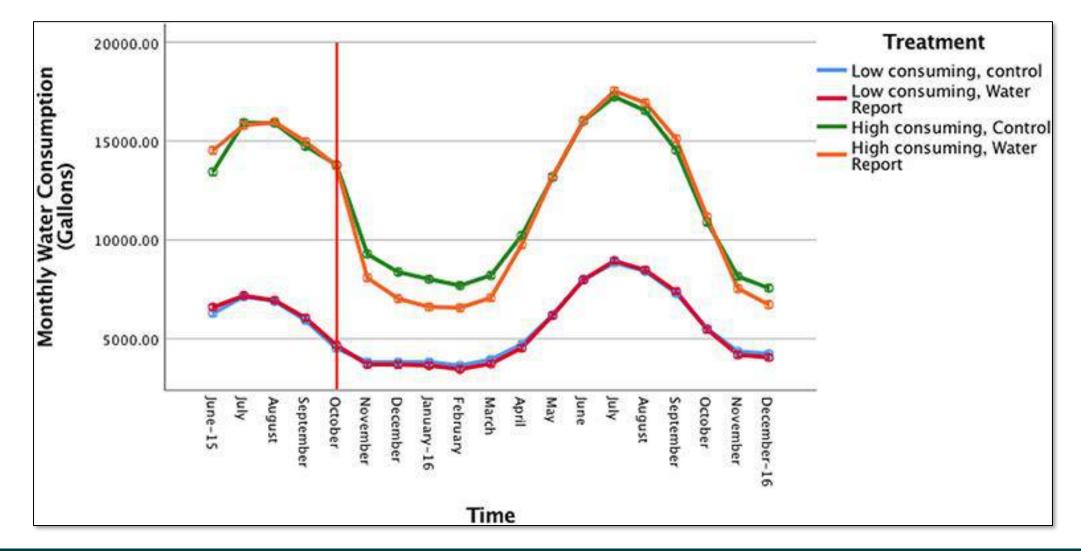


# **Nudge Theory**



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### **Nudge Theory**



## **Influencing Humans**

- Situational Theory of Publics
- Nudge Theory
- Social Conformity and Norms



#### **Social Conformity and Norms**





#### **Social Conformity and Norms**







### **Conservation Campaigns** Water is

- Save Water Texas Coalition
- Water is Awesome
- City of St. Helena
- Denver Water





### Water is awesome.













# YOUR YARD'S NEW VERY BEST FRIENDS!

#### BE A WATER HERO

Where will their water come from? The water we conserve today can serve THEM tomorrowi

COMING SDON













Credit: Save Water Texas Coalition

- Save Water Texas Coalition
- Water is Awesome
- City of St. Helena
- Denver Water





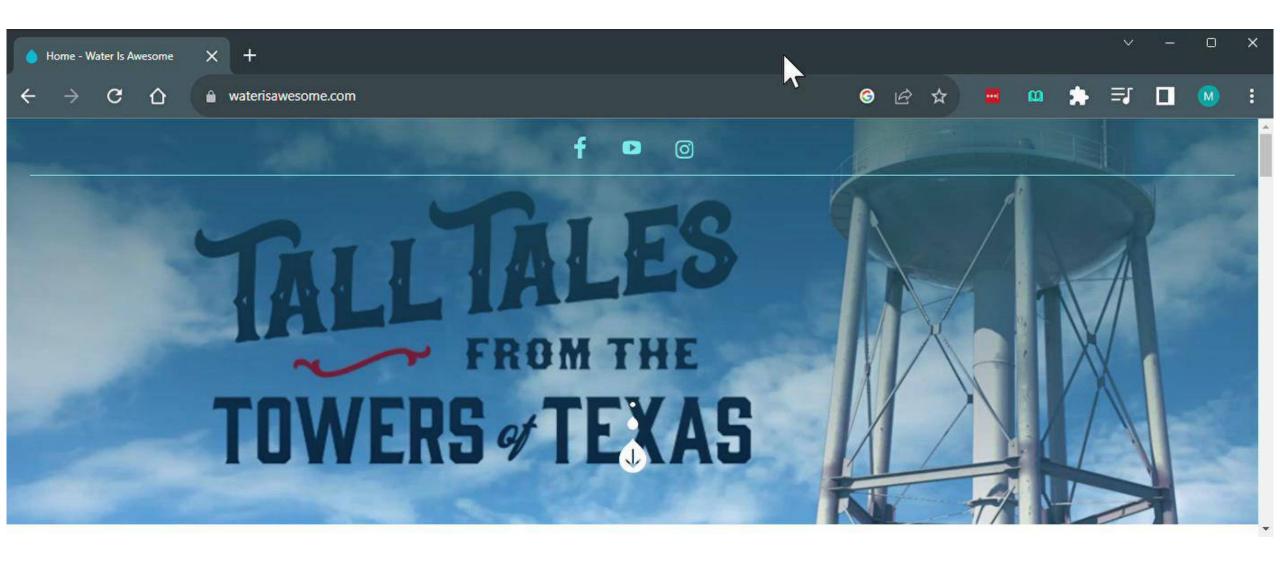






- Save Water Texas Coalition
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#### **Fact Sheet**

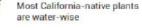


#### Water Conservation Tips: Using less than 65 allons per person per day indoors Indoors Outdoors will help our 65 gal/day/person community avoid additional, more Y Install Sink Aerators F painful restrictions Save 1.2 gallons per person per day are water-wise Install High-Efficiency Toilets 227 ē Save 19 gallons per person a Smart Controller per day water Wash Full Loads of Clothes 71 and Dishes Save 19 gallons per person Areas per day **Turn Water Off When Brushing** 00 $(\Delta)$ Teeth or Shaving Save 10 gallons per person per day Fill Bathtub Halfway or Less 00 00 Ċ Save 12 gallons per bath time you water Take 5-minute Showers The second Lo Save 12.5 gallons per shower Fix Leaks Save 110 gallons per month

#### Content More

For more information and tips for how you can do your part to help our community navigate through the current drought, visit www.cityofsthelena.org!





Install Drip Irrigation and Add Save 15 gallons each time you

Use a Broom to Clean Outdoor Save 8-18 gallons per minute

Set Mower Blades to 3" Encourage deeper roots and save 16-50 gallons per day

Adjust Sprinkler Heads Saves 12-15 gallons each

Fix Irrigation System Leaks A leak as small as the tip of a ballpoint pen can waste 6,300 gallons of water per month!



#### Working **Together to Do Our Part**

2021 Water

Phase II Restrictions

Conservation

Currently in a Phase II drought, we must come together as a community to further reduce summertime total water. use.

If we fail, it is likely that a Phase III drought will be declared, triggering far more painful water use restrictions.

#### **Factors Contributing to Current Drought:**

#### Lack of rain

Use of Bell Canyon Reservoir ŵ water to fight 2020 wildfires

High summer temperatures increase reservoir evaporation

Fire hydrant flushing required to maintain drinking water quality

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### **City Staff Email Signature**





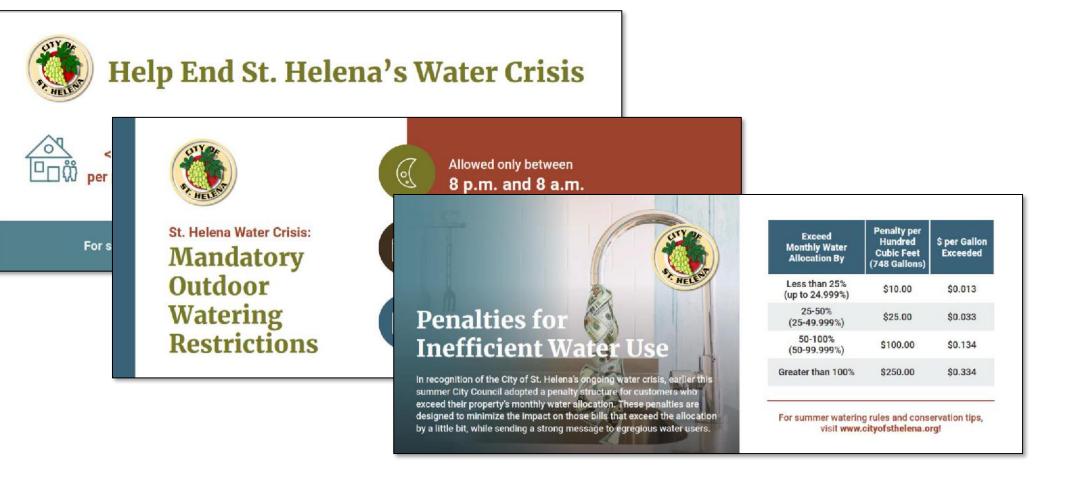


¡PARA CONSEJOS DE CONSERVACIÓN, VISITA WWW.CITYOFSTHELENA.ORG!



### **Utility Bill Stuffers**





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### **Utility Bill Stuffers**





QQ

#### Water Conservation Rebates

#### Learn More

**Contact Environmental Services** Technician Ian Dale at 707-967-2794 or at idale@cityofsthelena.org.

Greywater System:

**Cash For Grass:** Up to \$1.50 per square foot of turf grass replaced

**High-Efficiency Toilet:** Up to \$300 per replacement

**Rainwater Harvesting:** Up to \$100 for system installation 555



**Recirculating Hot Water Pump:** Up to \$100 for system installation

Up to \$100 for system installation

#### ....

Flume Water Monitor: Visit https://flumewater.com/sthelena



#### **Bookmarks**

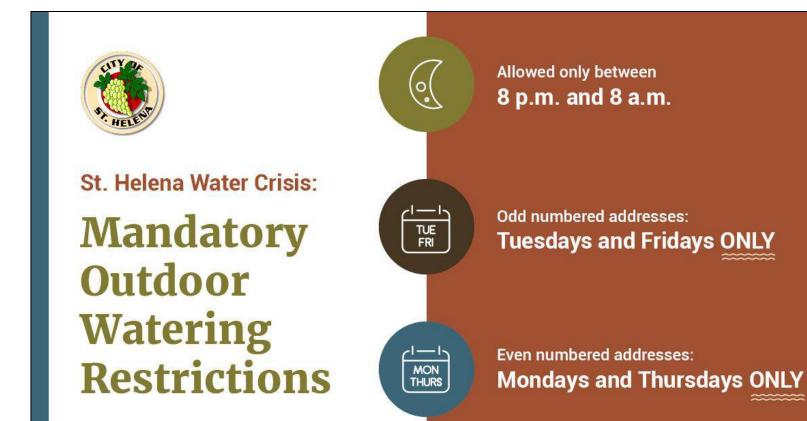






#### **Social Media**







### **Social Media**

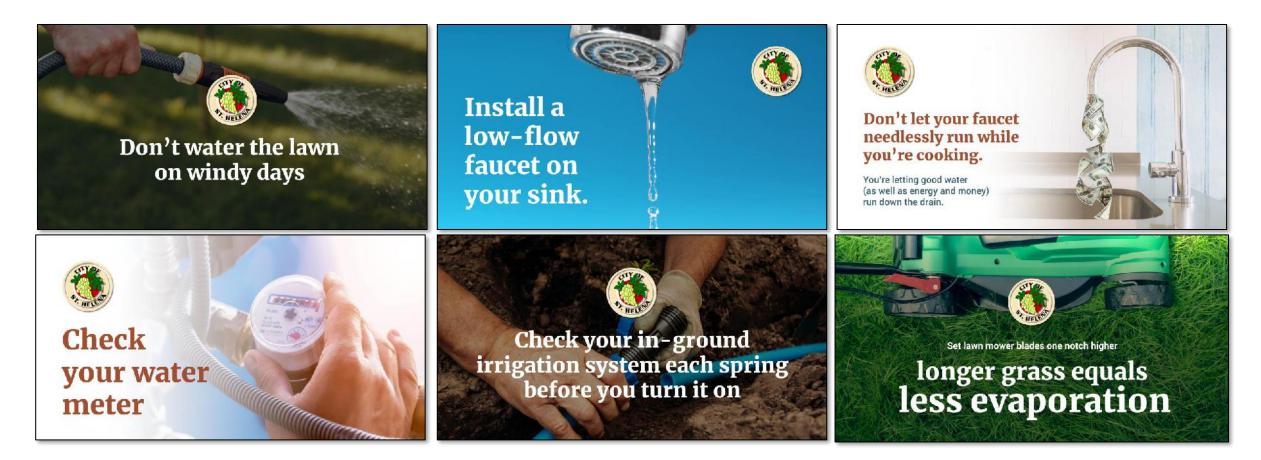




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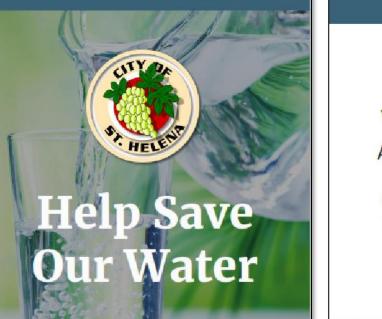
### **Social Media**





### **Restaurant Table Tents / Posters**





For every glass of water not served, three glasses of water are saved!

WWW.CITYOFSTHELENA.ORG

#### St. Helena is in a water emergency.

Among other actions, we're doing our part to help conserve water by serving water only upon request.

WWW.CITYOFSTHELENA.ORG





#### Coasters

















The health of our waters is the principal measure of how we live on the land - Luna Leopold

Home About



USE ONLY WHAT YOU NEED.



Conservation: Denver Water's 'Use only what you need' campaign has resulted in a 20% drop in consumption

From the Huffington Post (Ryan Grenoble):

The current campaign – which gave rise to the billboards, bus signage, and

Search ... Categories Colorado Water (22,894) Climate Change (20,451) Colorado River Basin (7,808) Infrastructure (5,449) South Platte Basin (3,494) Year























































## Stop a Running Toilet







## **Stop a Running Toilet**

























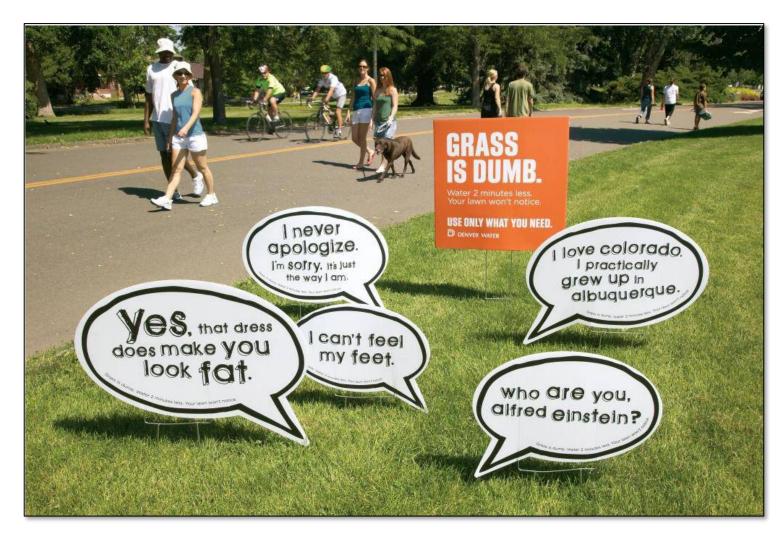






































## Grass Is Dumb – What It Needs















## **Don't Be That Guy**







### **You Can't Make This Stuff**











## In Summary



#### **Know Your Audience**



**Non Publics** 



**Latent Publics** 



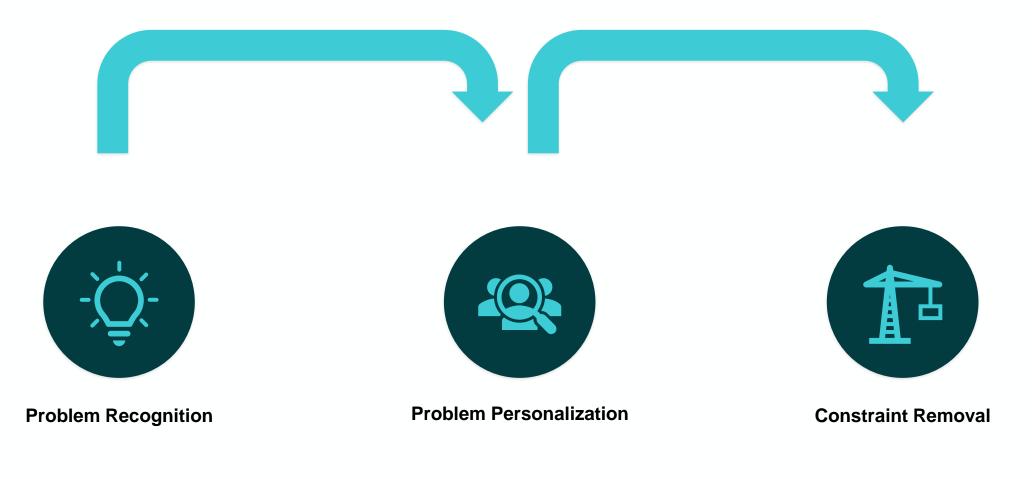
**Aware Publics** 



**Active Publics** 



#### **Know Their Location**



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### Meet Them With a Message



**Non Publics** 



Latent Publics



**Aware Publics** 



**Active Publics** 



Problem Personalization





**Problem** 

Recognition











## Thank you!

**Contact:** Matt Wittern 303.305.1147 / mwittern@raftelis.com