Conservation Outreach:

An Innovative Approach for Water Departments to Assist Environmental Advocacy Groups

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Water Resources Commission August 11, 2016

The Usual State of Affairs:

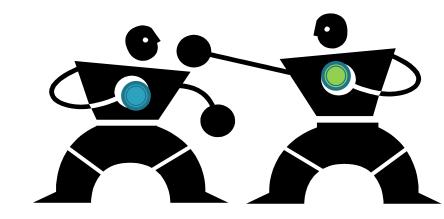
Water Use, Conservation and Data Collection

Municipal Water Supplier (good guys) **vs** Environmentalists (ineffective? guys)

Marketing Water Use Conservation

Expanding the Message

Traditional Media Outlets **vs** Social Media



Perception Problems

Public Water Supplier = Pump the Planet Dry

Start the discussion with what's best for the Water Department

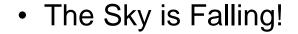


- One World
- One People
- One Irrigated Lawn

Perception Problems

Watershed Advocacy = Save the Planet

Start the discussion with what's best for the environment and at no cost to our organization



 One World, One People and One Shower or One Composting Toilet, not both



Early Data Collection and Conservation Efforts



Data Collection

Manual meter read at infrequent intervals

Outreach

- Rebate Programs for low flow toilets and clothes washers
- Education Outreach: Science First
- Fliers/Bill Stuffers

Technical

- Mandatory Outdoor Water Restrictions:
 - Two hours per day, two days per week.
- Outsourced leak detection twice per year
- Meters Updated master meters, radio read residential meters
- \$1 million/year water main replacement program
- Plumbing Code changes



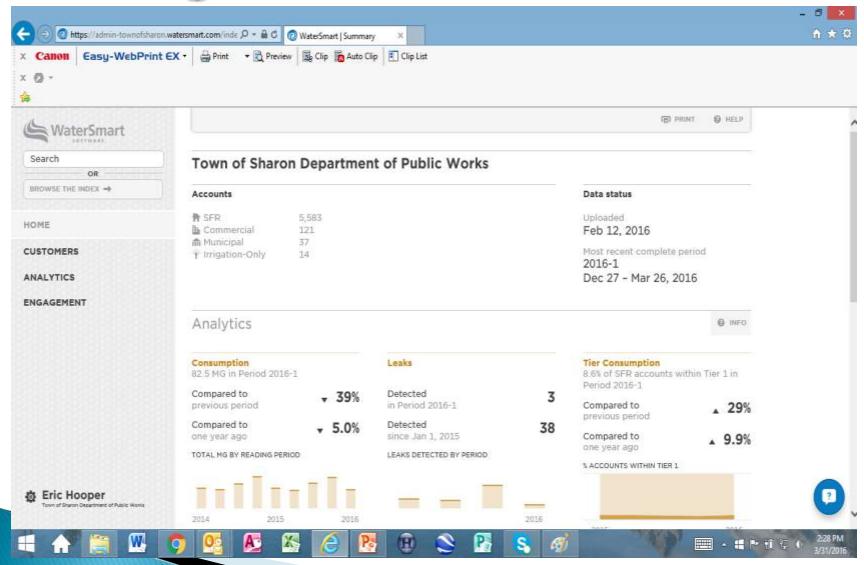
Lessons Learned

- Manual meter read essentially useless
- Conservation message get stale quickly.
- General messages are not effective.
- Traditional message outlets and approaches do not allow for the message to be refreshed easily or timely.
- Water Department as "messenger" may not be best.

Innovative Outreach and Data Collection Efforts

- The Messenger
- Social Media
- Information: Transition to AMR/AMI meters
- Targeted Messaging

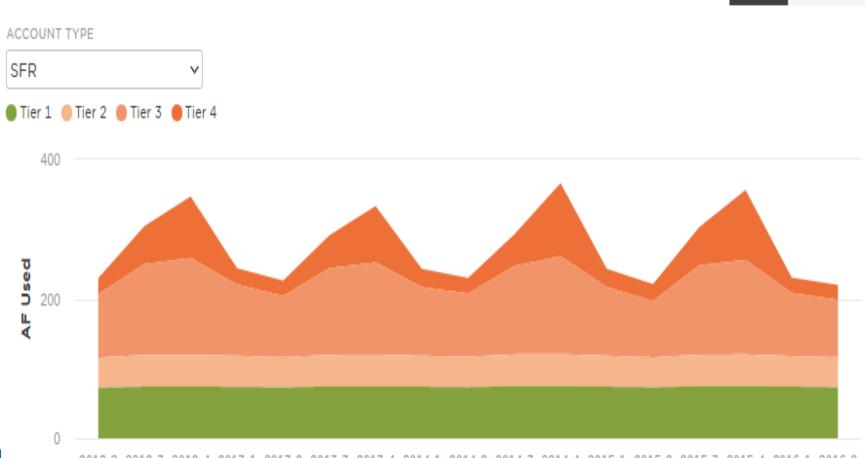
Gaining Information



Tracking System Wide Data

History

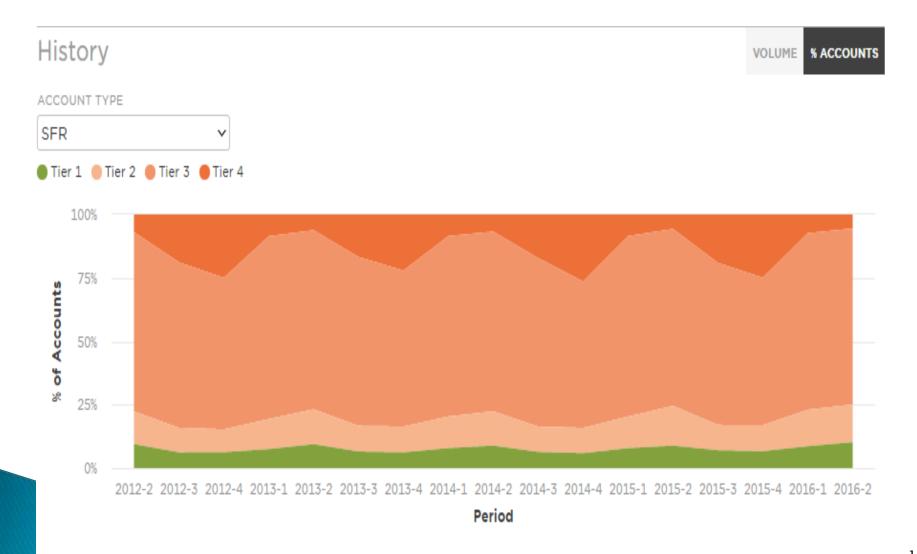




2012-2 2012-3 2012-4 2013-1 2013-2 2013-3 2013-4 2014-1 2014-2 2014-3 2014-4 2015-1 2015-2 2015-3 2015-4 2016-1 2016-2

Period

Tracking System Wide Data



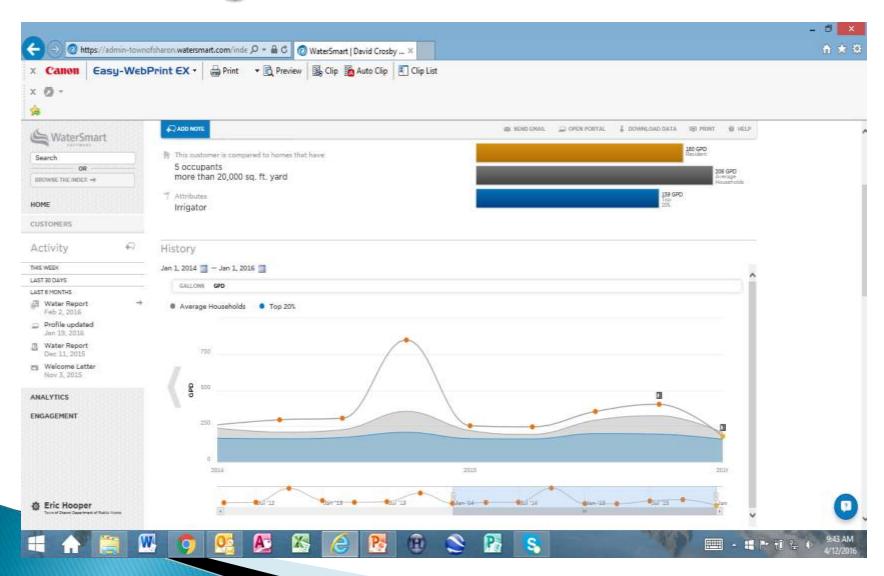
Money Talks: Getting Buy-in

Contests: Toilet Mascot Naming Easy, low cost, fun, prize



Bill abatements and fee waivers Easy, relatively low cost, significant information return

Tracking Personal Data

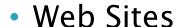


Messaging

Social Media:A presence on the Web



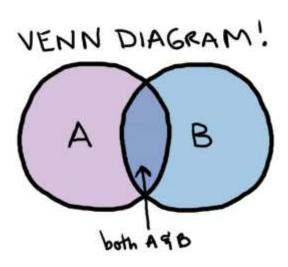
- YouTube
- Facebook





Expanding the Message: Conservation can't be the only purpose or use.

- House Age + Winter Water Use = Candidate for Toilet Replacement Rebate
- House Age + Building Permit Record = Potential Water Quality Issues



Targeting the Message: Delivering the right message at the right time to each customer



Group Messenger Module

Targeted

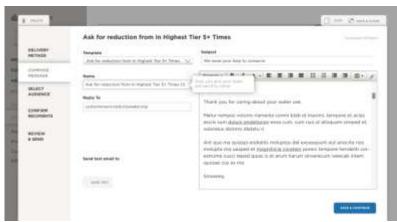
Segment recipients

Fast

 Send personalized messages to select recipients via preloaded or newly created message templates

Integrated

 Customer interactions recorded centrally





Lessons Reinforced



- Message get stale quickly People are getting tired of hearing about ultra-low flow toilets.
- Traditional message outlets and approaches do not allow for the message to be refreshed easily or timely. Social media may be better.
- Targeted messaging don't send ultra-low flow toilet rebate information to someone who has already replaced their toilets.
- Water Department as "messenger" may not be best unless the Department has someone versed in Public Outreach.
- Money talks: contests, bill abatements, incentives to "sign up".
- Expanding the message: assisting Environmental Advocacy groups in Conservation outreach is not and should not be the core mission of any Water Department.

Questions?



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