

# Austin Integrated Water Resource Planning Community Task Force

March 1, 2016

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## Overview

- Public Outreach Update
- Consultant Services Procurement: RFQ Update
- One Day Per Week Watering Briefing
- Pecan Street Briefing – Brewster McCracken, CEO, Pecan Street Inc.
- Climate Consultant RCA



## Status Update

- Social media and newsletter
- Developed draft brochure
- Developed list of 'catchy' names
- Developed website basics
- Draft survey framework and questions developed
  - April: Draft to Task Force
- Public Outreach Subcommittee convened Feb. 29<sup>th</sup>

# Next Steps

- Continue social media and newsletter
- Launch website
- Finalize brochure
- Spring events
  - Including Imagine Austin Speaker Series
- Survey on values and planning goals
  - April: draft to Task Force
  - May: target for survey launch
  - Mid-June: target for survey close
- Continue Public Outreach Subcommittee meetings

## QUESTIONS, COMMENTS, SUGGESTIONS?

## Consultant Services Procurement

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### RFQ Update

- February 25<sup>th</sup> Council Approval of RCA
  - Approved Recommendation for Council Action to authorize negotiation of a professional services agreement with CDM Smith for the main IWRP consultant scope of work
- Procurement process now moving into the negotiation phase
- Scope and fee proposal to be reviewed by Task Force - projected for May
- Task Force review and recommendation on RCA for contract execution - projected for June

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# Questions and Discussion



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## Update on Once-per-Week Watering Process

Austin Integrated Water Resource Planning Community Task Force  
March 1, 2016

Daryl Slusher, Assistant Director, Austin Water

# Reasons for Considering Changes to the Conservation Program

- Build on lessons learned from extended drought
- Very effective in conserving water and protecting lake levels
- Helps delay LCRA payment trigger, which saves ratepayers \$10-15M/year
- Strengthens Austin's position in regional water policy deliberations
- Prepare for future climate conditions
- Continues encouraging residents to switch to drought-tolerant landscapes
- Could develop a hybrid stage...more of a combination of stage 1 and 2



Lake Travis, Jan. 2012. Photo: LCRA  
*Due to the drought, Sometimes Islands – which are normally under water – can be seen in this photo.*

## Other Aspects of One-Day-Per-Week Process

- Adjust other water use restrictions based on feedback and potential water savings
- Maintain effective, enforceable code



# Overview of Process

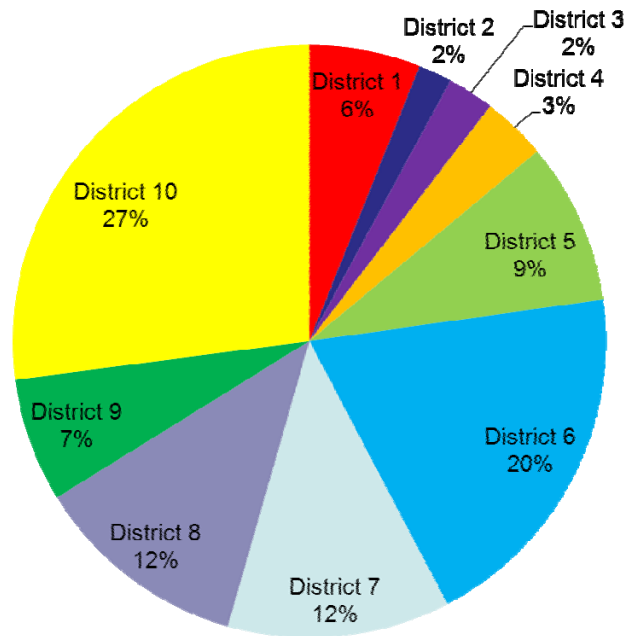
- **December** Kick-off Open House Meeting at Waller Creek
- **January** 5 Open House Meetings around town (southwest, southeast, east/central, north central, northwest)
- **February** Wrap-up Meeting at Waller  
Public Utilities Committee
- **March** IWRP Task Force  
Water Wastewater Commission  
Resource Management Commission
- **Other communication efforts:**
  - Email blasts: Next Door, WaterWise e-newsletters, Speak Up Austin, Mayor/Council/CMO
  - Conversation Corps
  - Online and meeting-available survey

## What Have We Heard?

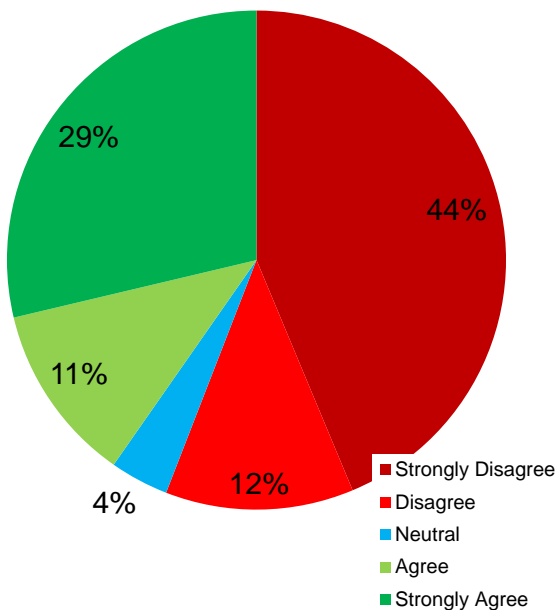
- Concerns about one-day-per-week watering:
  - Concerns about over-regulation
  - Questions about response to future drought conditions/LCRA requirements
  - Rising costs: water prices, car washes, landscape changes
  - Support conservation but believe we should follow the existing code
- Support for one-day-per-week watering:
  - Belief that once per week is adequate and overdue
  - Wise due to changing climate



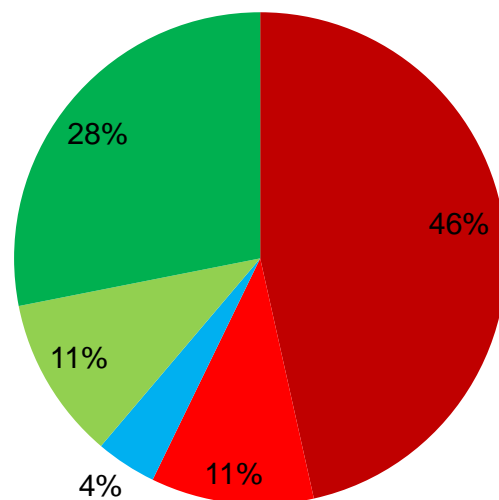
## Survey Responses by District



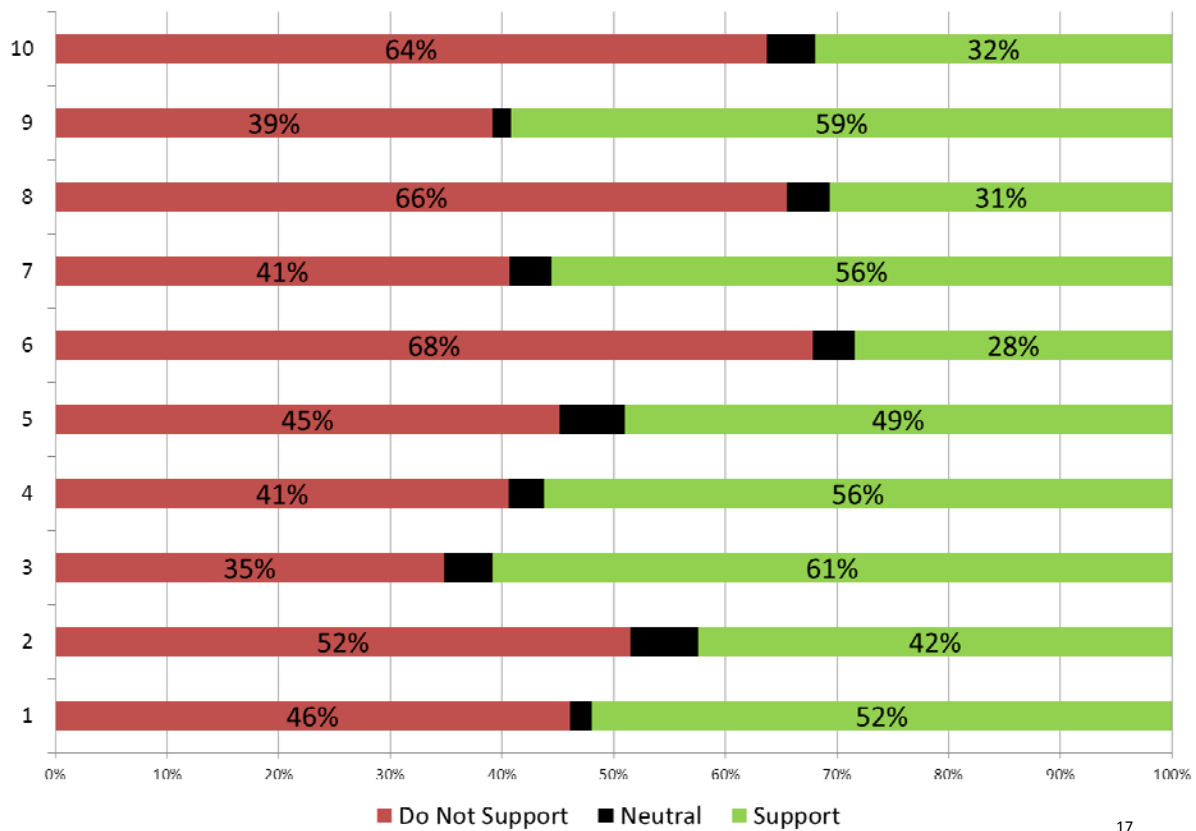
### I Support A Permanent One Day Per Week Schedule To Conserve the Region's Water Supply



### I Would Support Permanent, Year-Round One Day Per Week Watering Restrictions



Results by District: Once-per-Week Watering



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## Questions and Discussion

## Pecan Street Briefing

Brewster McCracken, CEO, Pecan Street Inc.

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## PECAN STREET UNIVERSITY MUNICIPAL WATER CONSORTIUM

Texas A&M  
University of Texas at Austin  
University of Texas San Antonio  
University of Calif. – Davis  
Texas Water Development Bd.  
Texas Ass’n of Builders  
Texas Rural Water Ass’n  
Texas Section – AWWA  
Guadalupe Blanco River Auth.  
Lower Colorado River Auth.  
Rio Grande Regional Water Auth.

San Jacinto River Authority  
N. Texas Municipal Water Dist.  
Tarrant Regional Water Dist.  
City of Allen  
City of Arlington  
Austin Water  
City of Buda  
City of College Station  
City of Corpus Christi  
East Rio Hondo Water Supply Corp.  
El Paso Water Utilities

City of Frisco  
City of Georgetown  
City of Horseshoe Bay  
City of Houston  
City of Irving  
City of Killeen  
City of Mesquite  
City of Pflugerville  
City of Round Rock  
San Antonio Water System  
City of Wylie

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## Customer water use research

University of Texas-based nonprofit  
research institute founded by UT's  
Cockrell School of Engineering

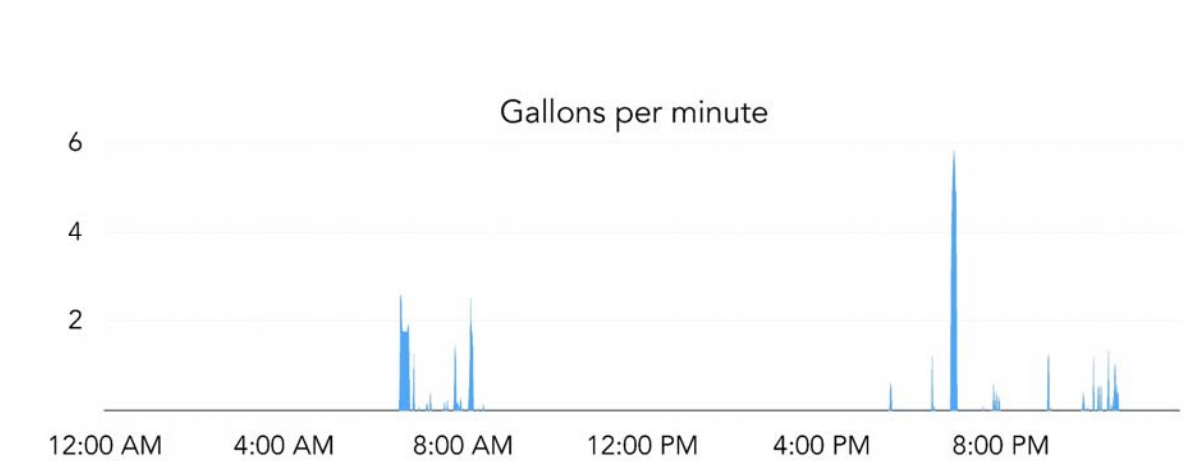
Customer end use research and  
behavioral response in Arlington,  
Austin, East Rio Hondo, Houston,  
San Antonio

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Water use research

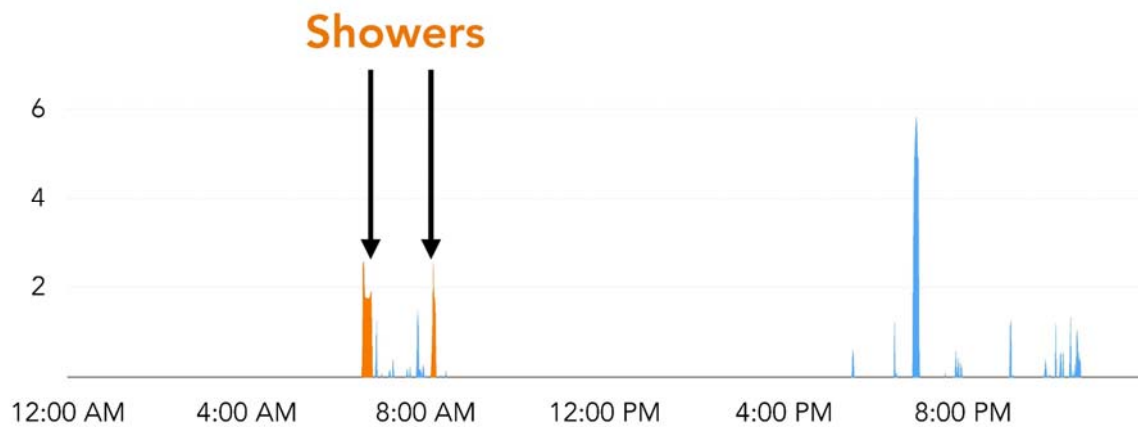
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One day of water use in a typical home

98 gallons

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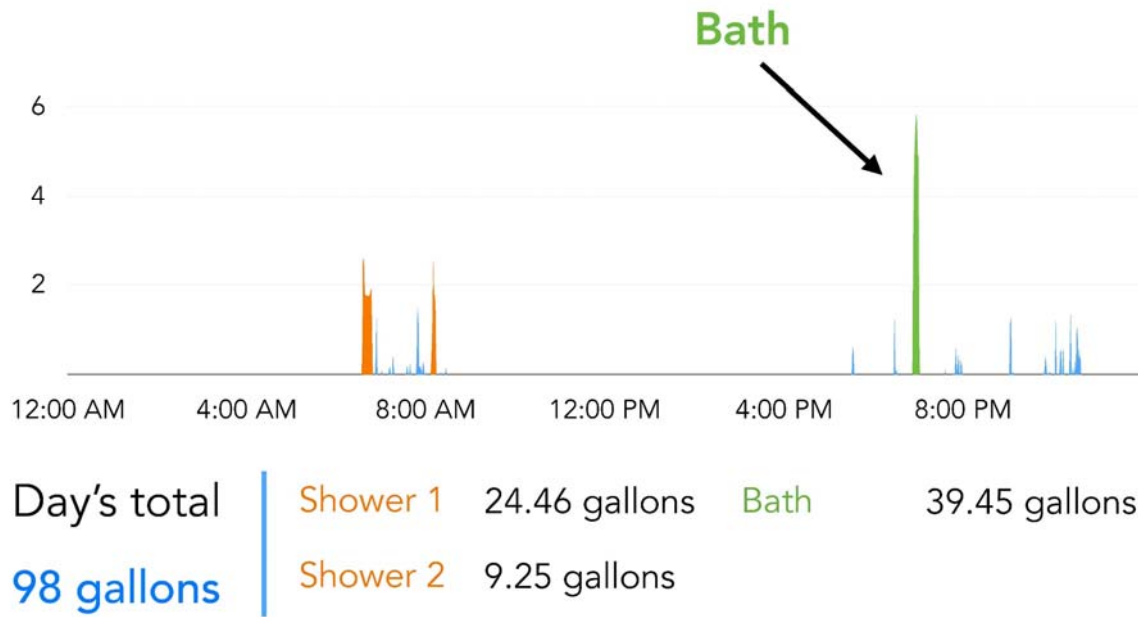
Day's total

98 gallons

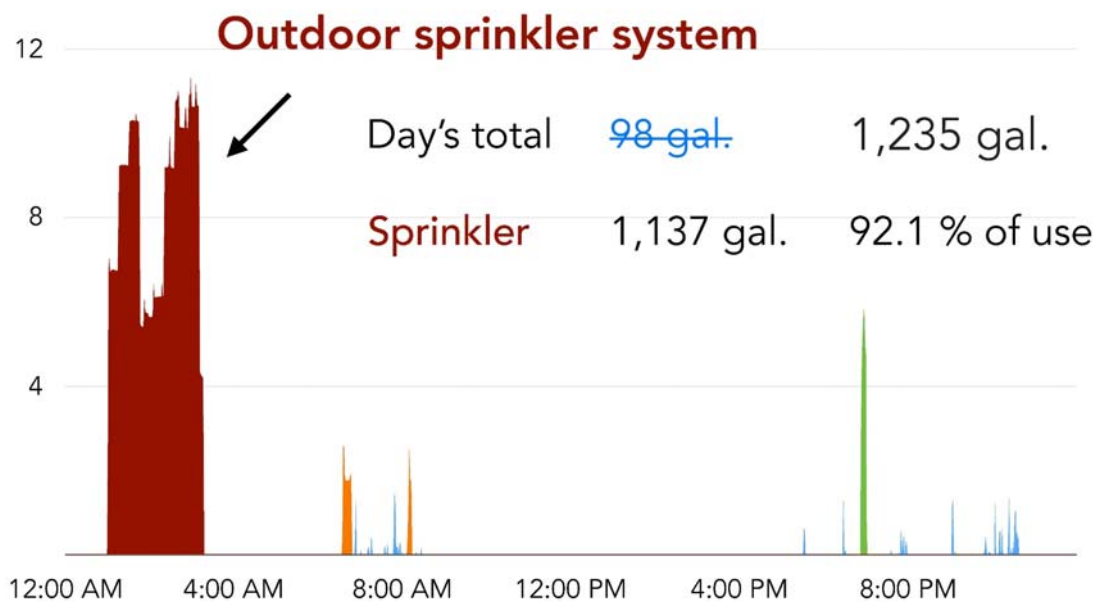
Shower 1 24.46 gallons

Shower 2 9.25 gallons

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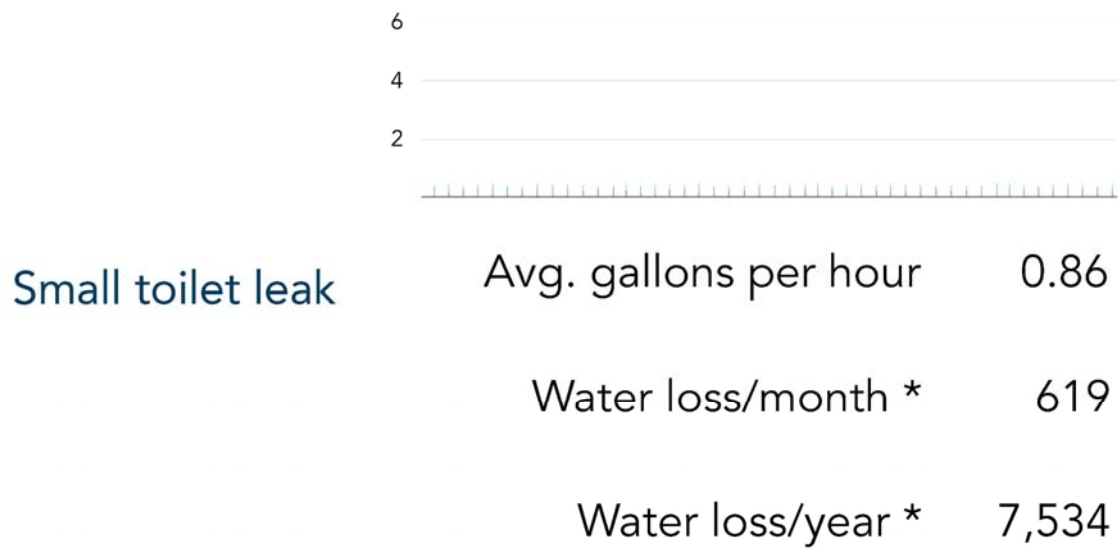


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## Small toilet leak



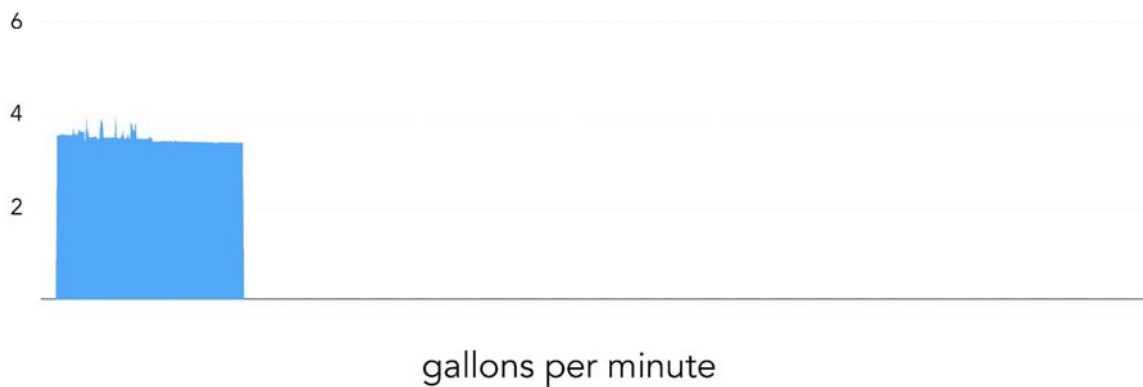
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\* (assuming leak remains undiscovered)

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## Toilet flapper stuck open



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Toilet flapper  
stuck open

Gallons per minute 3.5

Water loss/event 842

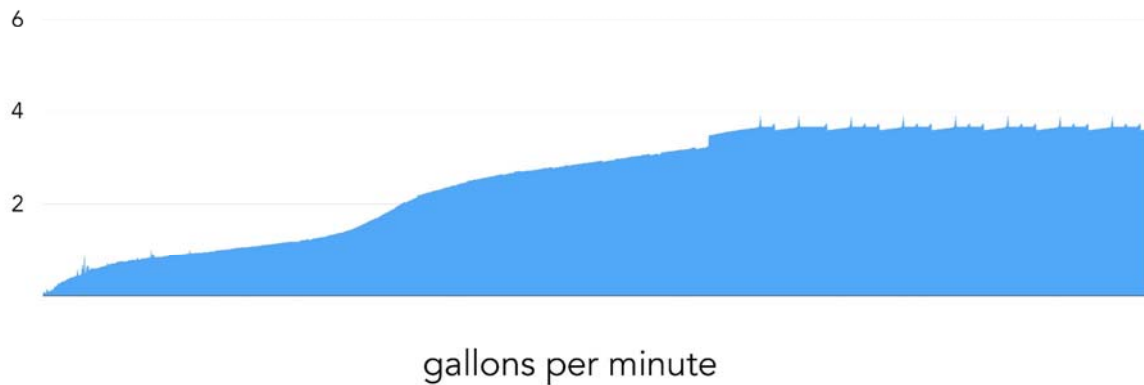
Water loss/month \* **151,200**

\* (assuming leak remains undiscovered)

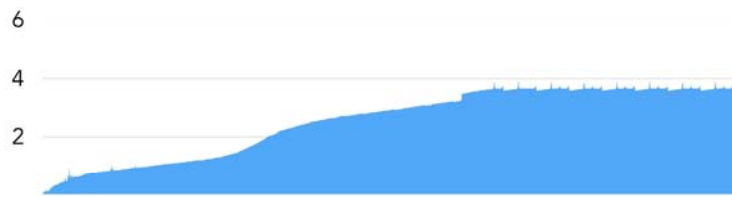
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## Pipe rupture at curb

(customer side of meter)



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Pipe rupture  
at curb

Gallons per minute 3.65

Water loss/event 3,703

Water loss/month \* **157,680**

\* (assuming leak remains undiscovered)

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Outdoor sprinklers **8 - 18** gal/min

Pool **5 - 8** gal/min

Everything else **3 - 5** gal/min

Toilets **1 - 6** gal/flush

Dishwasher **~ 5** gal

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# Research methods

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## The BluCube system



BluCube

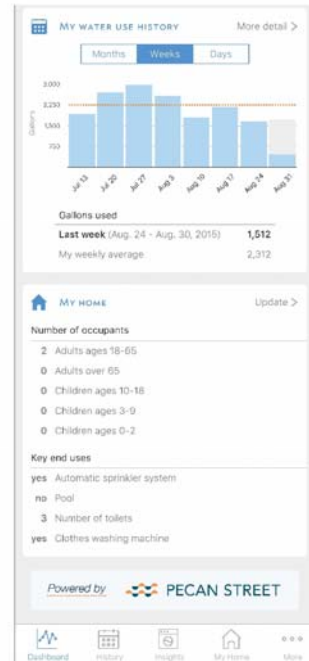
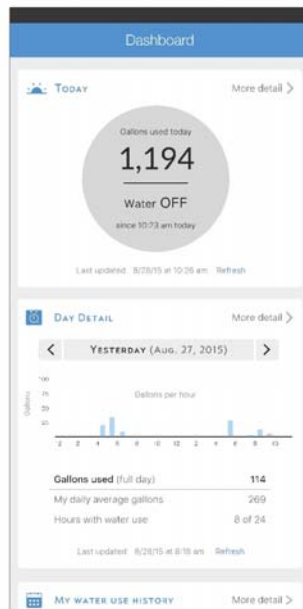
BluBand



BluWater

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## Free customer app: BluWater



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## Questions and Discussion

## Item for Task Force Review and Recommendation for Approval to City Council:

Recommendation for Council Action  
(RCA) to award Climate Consultant  
contract

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## Next Meeting

- Consultant Services Procurement: Request for Qualifications (RFQ) Process update
- Public Outreach update
- Other items to be determined
- Continuation of information and discussion items from Meeting #10 as needed