WHAT VALUES DRIVE OUR LANDSCAPE CHOICES?



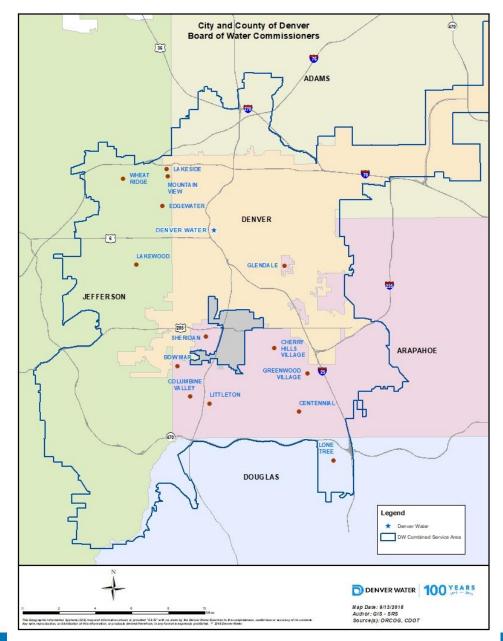
Rocky Mountain Land Use Institute Conference, March 2019
Kat Weismiller, Senior Planner, Denver Water



Outline for Today

- How do landscapes and water use intersect?
- How do our values shape the landscapes we live in?
- How do we at Denver Water track the way these values shift?
- What issues are we really trying to address with landscapes?





Municipalities and counties served

Within our service district:

Denver Population: 750,000

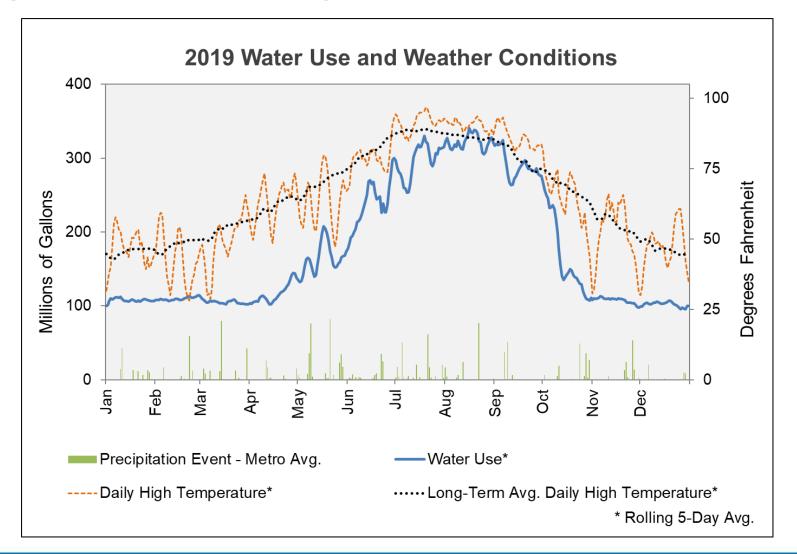
Outside City Population: 750,000

Outside City Distributors: 65

- Diverse growth patterns/preferences
- √ Varied politics
- ✓ Range of development guidelines

Municipalities	
Bow Mar	Lakeside
Centennial	Lakewood
Cherry Hills Village	Littleton
Columbine Valley	Lone Tree
Denver	Mountain View
Edgewater	Sheridan
Glendale	Wheat Ridge
Greenwood Village	

Landscape Irrigation Drives Bulk of Summer Water Use

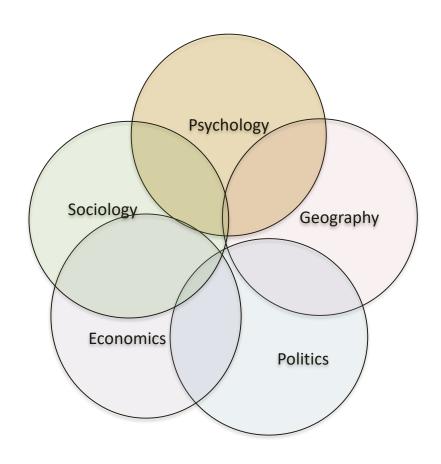




Water Use is About Behavior

Water use depends largely on socially-driven variables:

- Growth
- Price
- Technology
- Climate
- Values and perspectives



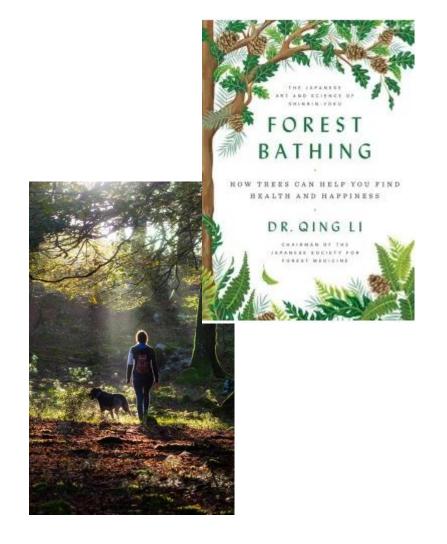
Social Sciences



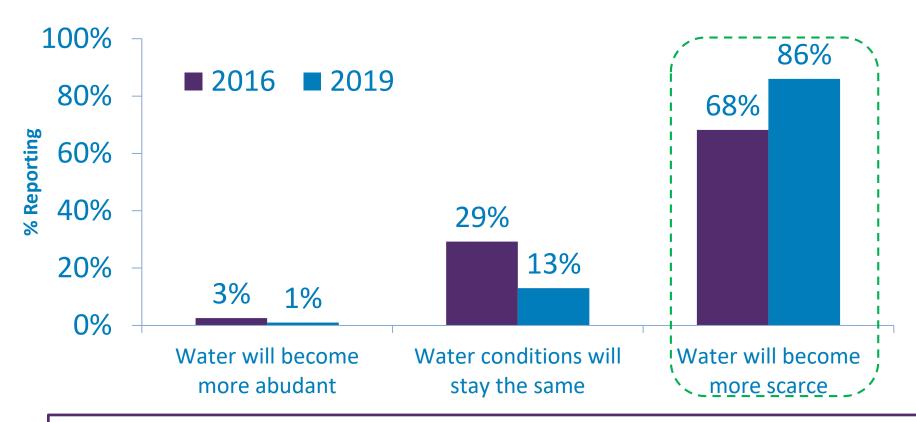
Benefits of Green Space

Time spent in and around treelined streets, gardens, parks, and forested and agricultural lands is linked to objective, long-term health outcomes both physical and psychological.

Neighborhood greenness has been consistently tied to life expectancy!



Water Scarcity Perception

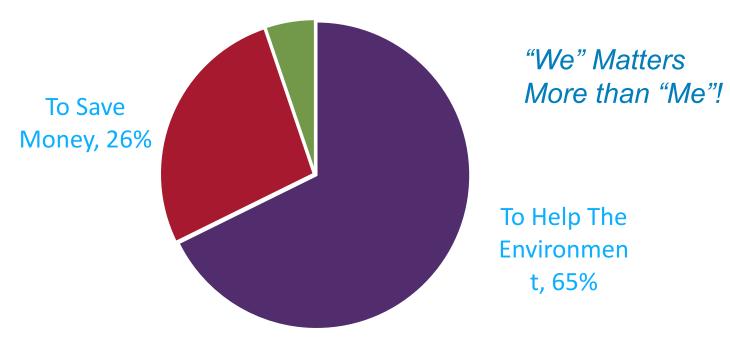


Which ONE of the following best describes how you expect water supply conditions in the Denver area to change over the <u>next 5-10 years</u>?



Values Driving Water Conservation

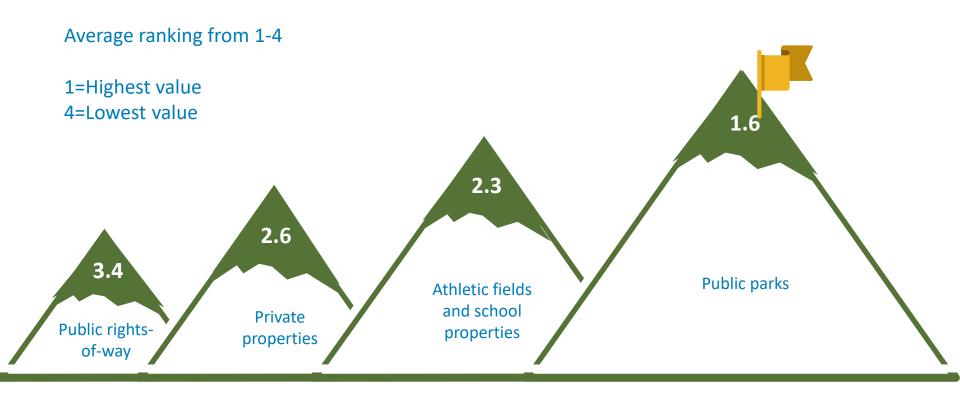




Which ONE of the following best describes your PRIMARY motivation for taking the action(s) to reduce the amount of water your household uses?



Where is Bluegrass Most Valuable?



Rank 1-4

Key Survey Findings

Water Supply Perceptions & Concerns



- Our customers get it
- Growing concern about future scarcity
- Growth and environmental factors are driving concern

Water Use & Influencing Factors



- Customers are increasingly willing to make changes to their water use
- Greater good is a strong motivator

Bluegrass & Lawn Opinions



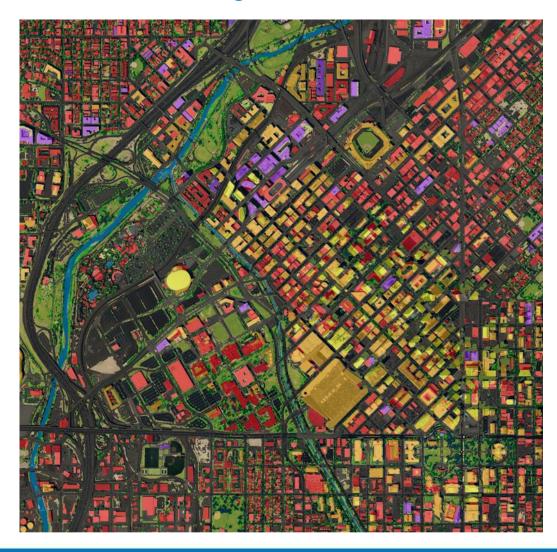
- Aesthetics are the primary use for residential bluegrass
- Willingness to reduce bluegrass
- Bluegrass is most valued in parks and public spaces

Our customers are primed to remove a significant amount of bluegrass in the next drought

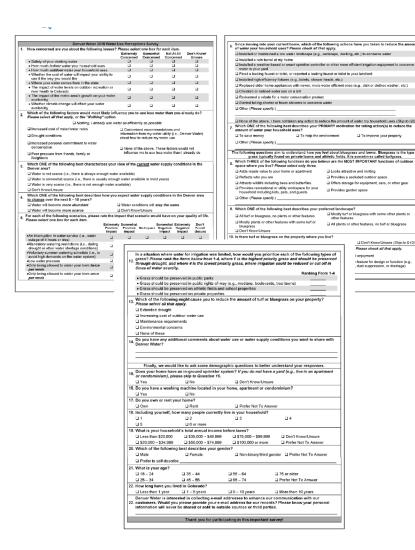
Landscape Classification Project

Monitoring how customer values are manifested in the physical landscape over time.

- Rate of change
- Type of change
- Impacts



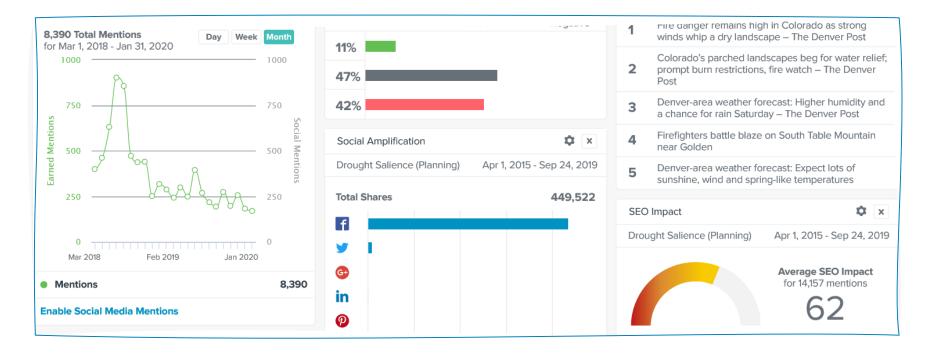
Multi-year Survey Trends



- Longitudinal study
- Tracks attitudes over time
- Helps understand customer attitudes and views on:
 - Scarcity
 - Bluegrass
 - Drought
 - Conservation

Water Scarcity in the Media

Denver Water monitors mentions of drought in Colorado media and searches on Google Trends for drought, to better understand how our customers are receiving and understanding scarcity messaging in the media.



Rapid land-use change

Before







What Role Should Landscapes Play?

- Psychological and physical benefits
- Stormwater Management
- Cooling / Shade

- Aesthetic benefits
- Restorative space
- Reflection of self
- Habitat

