



Lakewood Sustainable Neighborhoods

April 2021 Leader
Connection Lunch:
Energy & Water

Program Updates

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Neighborhood Water + Energy Project Ideas

AWARENESS → ACTION

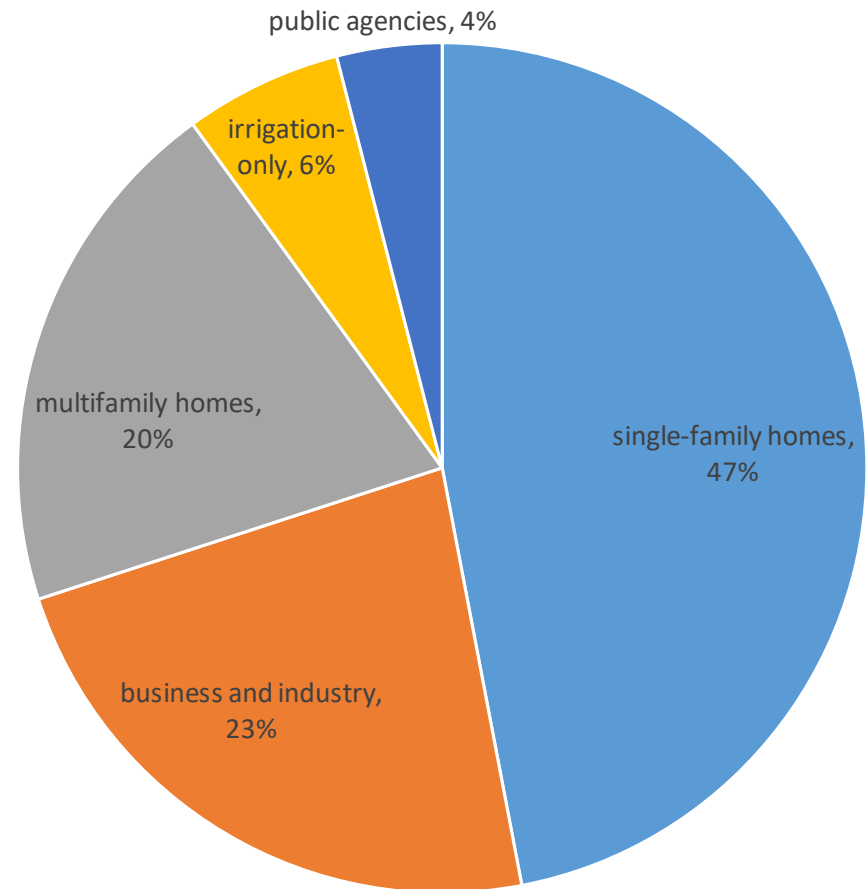
**BEHAVIOR VS.
PRODUCT CHANGES**



Water Use in Lakewood



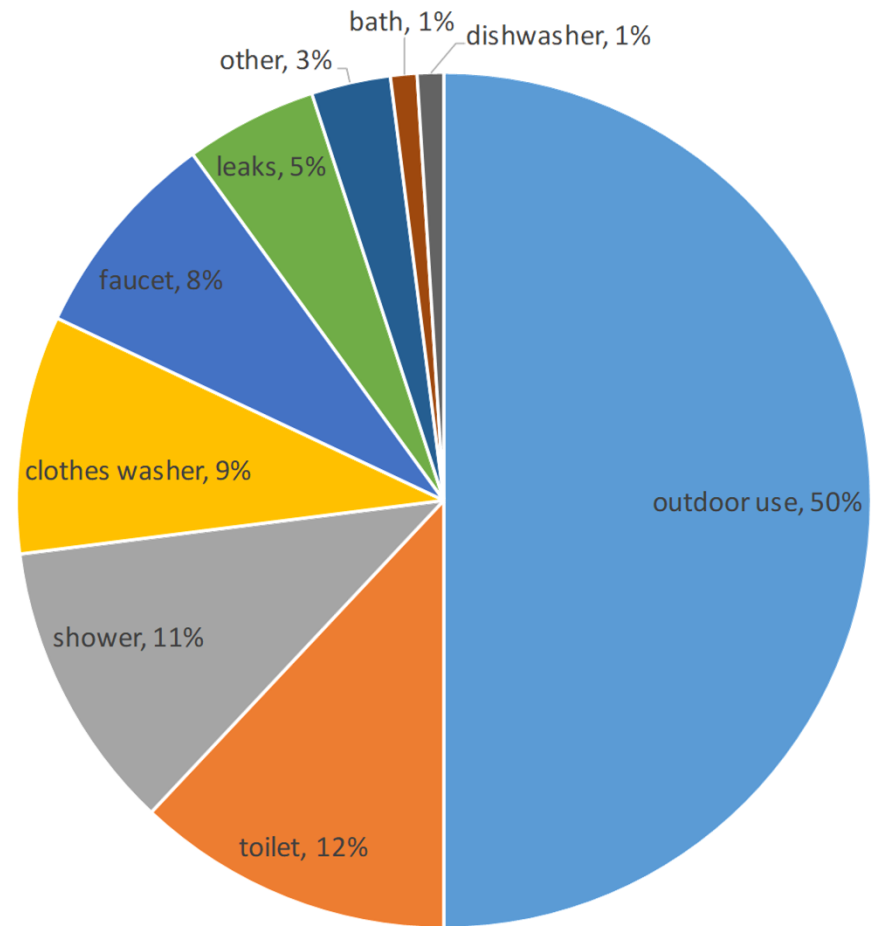
Citywide Water Use by Category



Water Use in Lakewood



Residential Water Use by Category



Denver Water End Use

Water Efficient Household

- Average customer: 50 gal/person/day
- Efficient indoor water use: 40 gal/person/day



FIVE PEOPLE = 6,100 gal per month



FOUR PEOPLE = 4,880 gal per month



THREE PEOPLE = 3,660 gal per month



TWO PEOPLE = 2,440 gal per month



Water Neighborhood Project Ideas

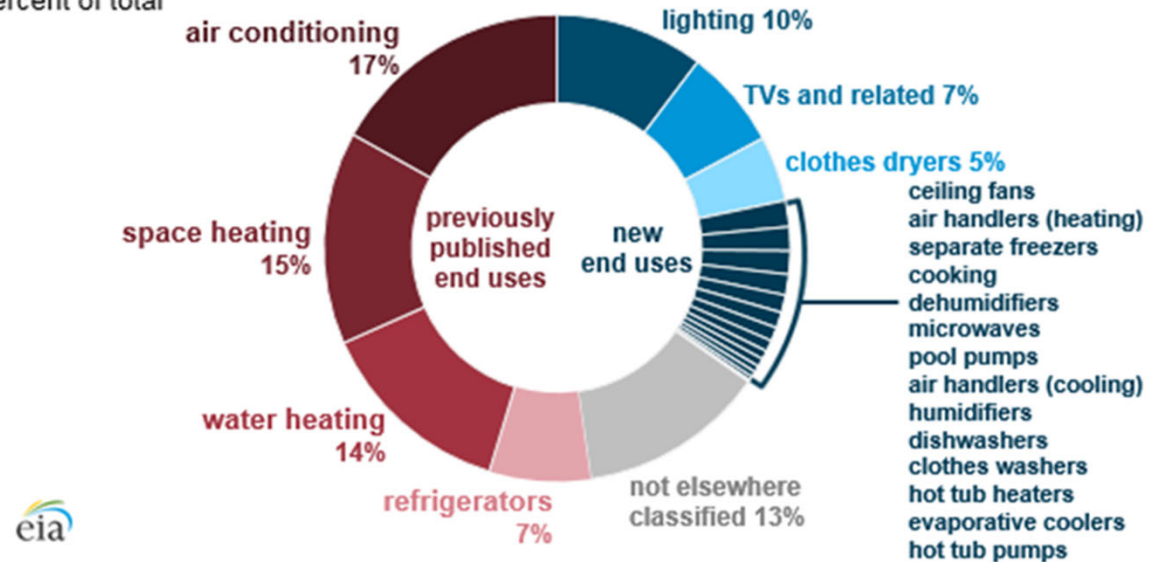


- Indoor Water Use
 - Calculate water footprint → Choose 2 actions to reduce footprint
 - Check for toilet leaks → Fix leaks
 - Perform indoor home water audit → Install savings measures or modify behavior
- Outdoor Water Use
 - Outdoor irrigation audit → Adjust usage and schedules
 - Learn about xeriscaping → Garden in a Box / Xeriscape tour
 - Rainbarrel Usage → Installation
- Graywater Update

Energy Use at Home



Residential electricity consumption by end use, 2015
percent of total



Energy Efficiency Neighborhood Project Ideas



Energy Efficiency

- What improvements be made at home? →
DIY Audit, Home Energy Squad, Home
Energy Audit, Xcel efficiency programs
- Learn about home weatherization →
Host a neighborhood workshop

Neighborhood level challenges

Neighborhood level metrics and data

<https://co.my.xcelenergy.com/s/residential>

Renewable Energy Neighborhood Project Ideas










Renewable Energy

- On-Site Solar Renewables
- Off-Site Renewables
- Neighborhood Challenges

Neighborhood level metrics and data

Xcel Renewable Energy Offerings

	Standard Energy Mix	Renewable*Connect (Available early 2018)	Windsource®	Solar*Rewards Community®	Solar*Rewards®	Net Metering Without Incentives
Energy Source	24% Wind, 3% Solar, 1% other renewables, 72% non-renewables					
Cost to participant	28% renewable energy at no extra cost	Subscription fee on Xcel Energy bill	Subscription fee on Xcel Energy bill	Subscription fee paid to solar garden per contract terms	Pay solar installer for equipment per contract terms	Pay installer for equipment per contract terms
Financial Benefit	Lowest cost renewables keep rates low for everyone	Personal per kWh fuel credit for using solar	None	Bill credit payment for solar energy produced	Monthly energy use is offset by solar, plus incentive per kWh of solar	Monthly energy use is offset by solar
Requires on-site installation	No	No	No	No	Yes	Yes
Minimum contract length	None	0 to 10 years	None	Up to 20 years	Up to 20 years	None
Increases costs for non-participating customers	No	No	No	No	Yes	Yes
Contract with	No Contract			Solar Garden Company	1) Solar Installer – equipment 2) Xcel Energy – interconnection & incentive	1) Installer – equipment 2) Xcel Energy – interconnection
Earn renewable energy credits*	No	Yes	Yes	No	No	Yes



Brainstorming + Q&A