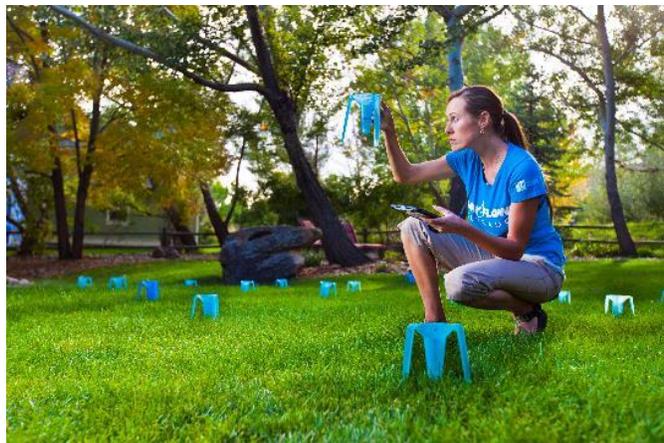




WESTMINSTER
COLORADO

PUBLIC DRAFT

WATER CONSERVATION & EFFICIENCY PLAN 2020



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EXECUTIVE SUMMARY

This state-required Water Conservation and Efficiency Plan is designed to promote efficient water use by all City of Westminster water customers. The City has invested considerable resources towards developing and maintaining an infrastructure system that provides clean, safe, and reliable water and sewer service whenever it is needed. Customers are at the heart of this system, and it is incumbent upon the City to support them in our collective efforts to ensure long-term water supply security for the community. After all, water is a scarce resource in Colorado.

The City of Westminster is a full-service municipality and provides drinking water to approximately 130,000 people. Westminster's water supply starts as snowpack high in Rocky Mountains, flows down Clear Creek, is diverted by irrigation ditches, and transported to Standley Lake, the main storage reservoir for Westminster. Beginning at Standley Lake, \$4 billion worth of infrastructure cleans the water, delivers it into people's homes and businesses, collects the wastewater, treats it, and returns the water to local streams.

Westminster provides drinking water to over 130,000 residents and hundreds of businesses through approximately 33,000 individual accounts. The overwhelming majority (93%) of Westminster's accounts are single family residential, however, those residential accounts only use about half of the City's drinking water. A small number of irrigation, commercial, and wholesale accounts use proportionally much larger amounts of water and make up about 40% of total water demands.

Westminster's water demands are lowest during the winter and grow to double or triple in the summer, which is very typical for Colorado Front Range communities. About half of the City's treated drinking water is used outdoors to irrigate landscapes. The summer irrigation "peak" drives the size of pipes, pumps, tanks, and treatment plants. Reducing the peak through efficiency programs targeted at outdoor use, such as the City's long-standing Garden in a Box discounts and Slow the Flow irrigation consultations, as well as newer turf replacement programs including a Lawn Removal Service, can create significant cost savings for the utility and its customers.

Over the past two decades, Westminster's water service population increased by nearly 13,000 residents and the City added almost 130 new commercial accounts, yet total water demands have actually declined by more than 2,000 acre feet (Figure ES-1). An acre-foot is the amount of water needed to cover an acre of land one foot deep in water, or 325,851 gallons. An average family of four in Westminster will use about 1/3 acre-foot of water over the course of a year.

The overall decline in water use is principally the result of reductions in water use from the single family residential sector, and gradual decreases in indoor use in particular. These consistent reductions in water use, as each existing home in Westminster becomes more efficient, have more than offset the increase in water demand from new residents and businesses over the past two decades.

On-going efficient use of water returns major benefits to the City and its customers. Reducing water demand improves drought resilience by decreasing the frequency of drought restrictions, and most importantly, can reduce, defer, and potentially altogether avoid the high costs of new infrastructure. Without the efficiency efforts of Westminster water customers since 1980, rates could have been nearly double what they are today.

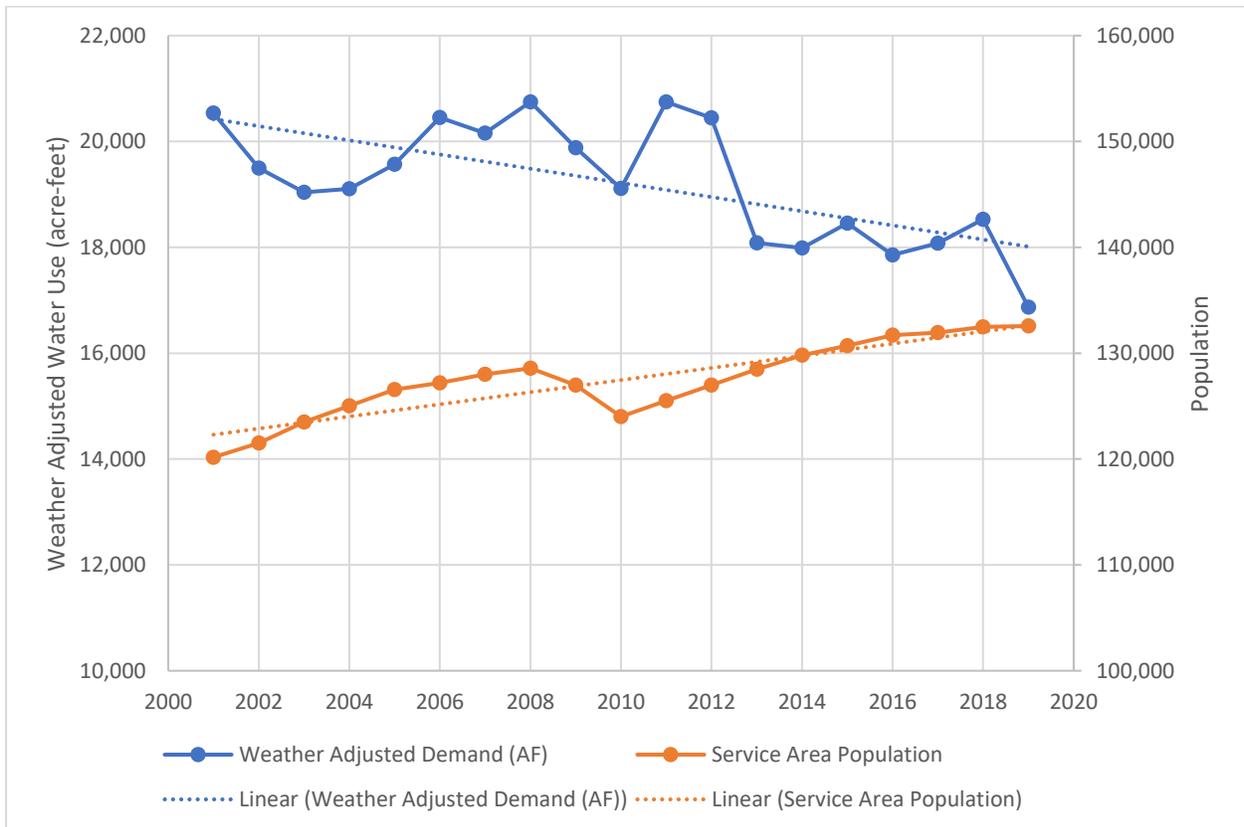
Westminster is pursuing a comprehensive suite of activities designed to ensure the City and its customers are using water efficiently. This plan describes those existing programs and identifies several new ones to be implemented over the coming years, as detailed in Section 4 – [Water Efficiency Activities](#). The City’s water efficiency goals are to:

- 1) Reduce system-wide water use from 126 gallons per capita per day (gpcd) to 110 gpcd or lower by 2030, a 12.5% reduction over 10 years.
- 2) Offer efficiency programs for all customer types by expanding programs to home owners associations, commercial customers, multi-family units, and irrigation accounts.
- 3) Communicate the benefits and importance of water efficiency to all customers through relevant and timely outreach materials.

Being efficient with scarce water resources is the most impactful way to ensure the City maintains a long-term secure water supply for current and future generations.

This plan was developed through an iterative process of public input. An initial customer survey set the stage for planning priorities, which were further refined through a formal public comment process before City Council adoption.

Figure ES-1. Total water demand in Westminster is decreasing in spite of population and business growth.



1 WATER SYSTEM PROFILE

1.1 OVERVIEW

The City of Westminster (Westminster) is located in the Denver Metro Area on the Front Range of the Rocky Mountains, partially in Jefferson County and partially in Adams County, Colorado. Westminster is a full-service municipality and provides drinking water to approximately 130,000 people. Westminster is primarily an urban area, with most of the City already developed. The current population is expected to increase because Westminster is an attractive location for families and business.

Westminster's water supply starts as snowpack high in Rocky Mountains, generally around the I-70 corridor from the Eisenhower Tunnel to Idaho Springs. Water flowing down Clear Creek is diverted by three irrigation ditches near Golden, CO and transported to Standley Lake, the City's sole water storage reservoir (Figure 1). A small portion of additional raw water supply is provided by contracts from Denver Water. Westminster also treats some of its wastewater to a higher degree and uses this reclaimed water for outdoor irrigation at golf courses, parks, and other large turf areas throughout the City (Figure 2).

Westminster's Public Works and Utilities (PWU) Department provides water service to all properties within the City's municipal boundaries. The City also provides water service to several Jefferson County enclave properties, the unincorporated community of Shaw Heights, and is the primary drinking water provider through a wholesale contract for Federal Heights, CO (Figure 3).

The City has invested considerable resources towards developing and maintaining an infrastructure system that provides clean, safe, and reliable water and sewer service to our customers. This infrastructure system is valued at over \$4 billion, and on the water side, includes assets such as:

- 2 water treatment plants;
- 18 pump stations;
- 530 miles of water mains;
- 10 water storage tanks;
- 5,007 fire hydrants; and
- 1 reclaimed water plant.

Figure 1. Standley Lake is Westminster's water supply reservoir and a regional park with recreation opportunities.



Figure 2. Westminster's water supply system, simply.

WHERE DOES YOUR WATER WANDER?

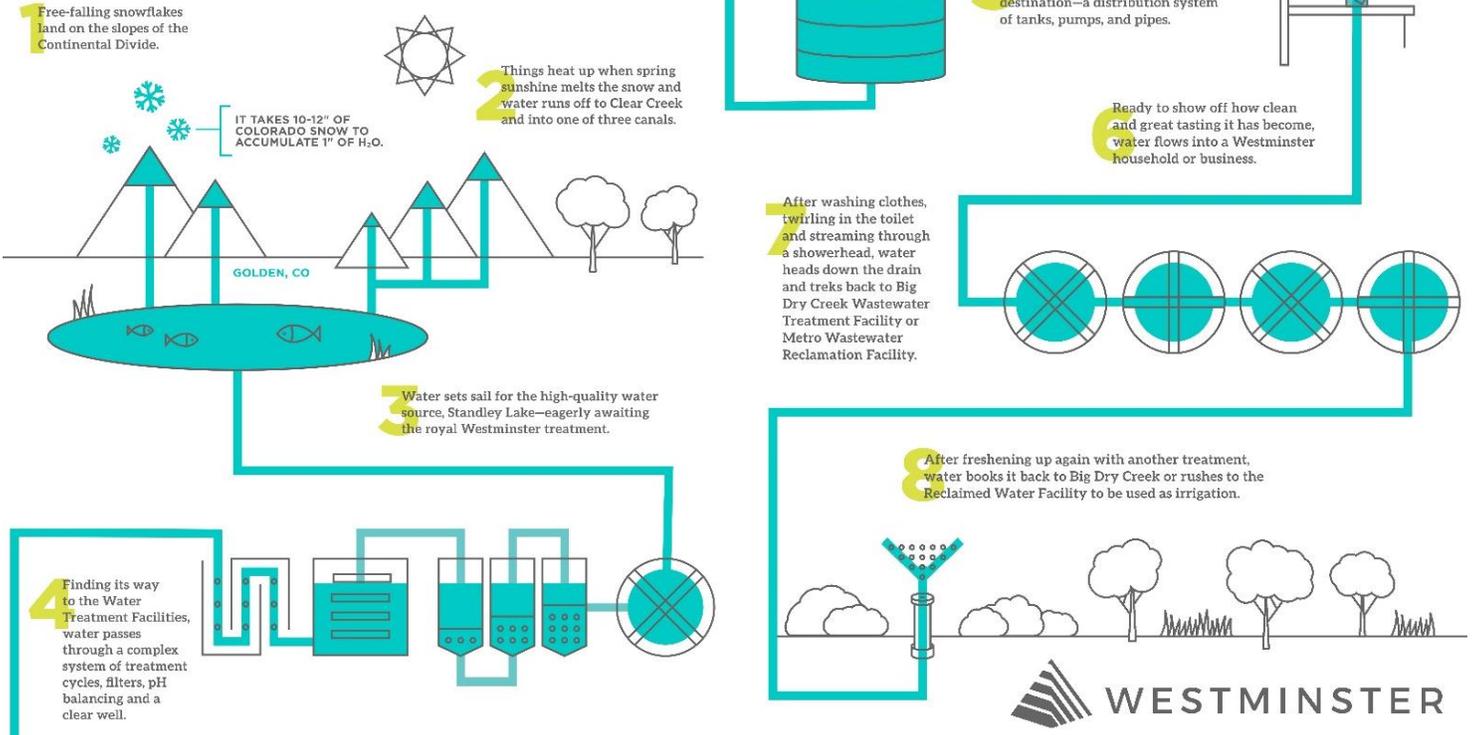
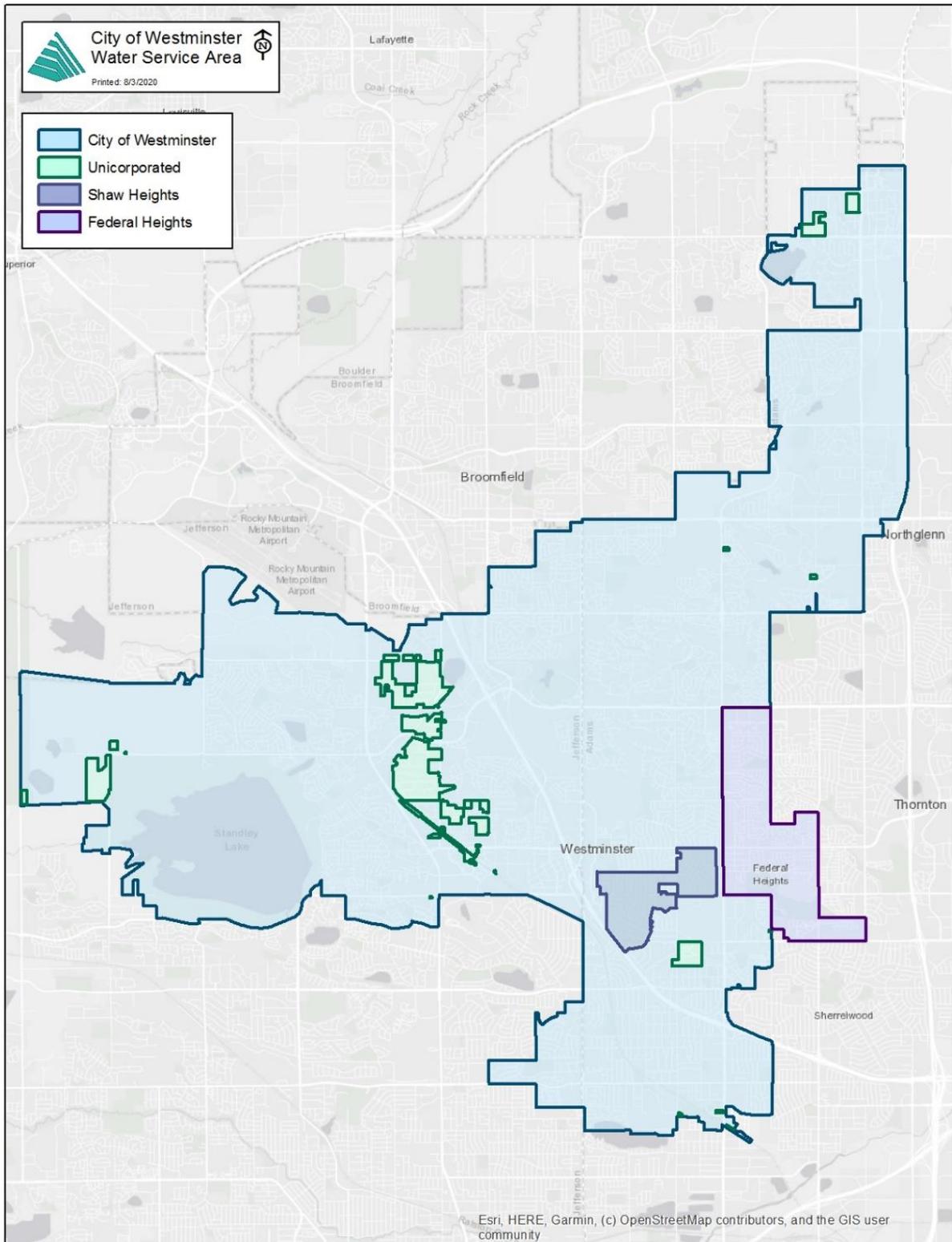


Figure 3. Westminster provides water service to in-city and out-of-city customers.



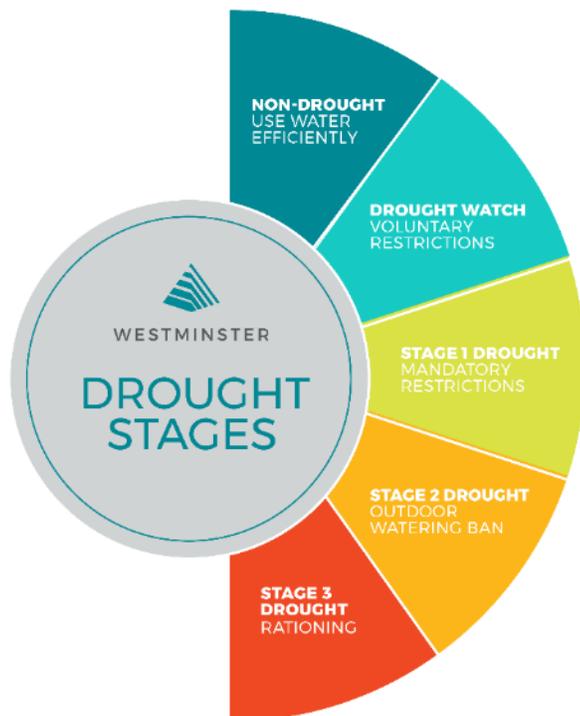
1.2 WATER SUPPLY RELIABILITY

Westminster’s current water supply system is designed to dependably meet the present and future needs of our current customers. Presently, Staff is using an upgraded water supply and demand model to determine future water supply reliability under multiple scenarios. Upgrades to the model allow for analyses of water supply vulnerability to different climate change, customer demand, and land use/development alternatives. Water system capabilities are modeled using Clear Creek streamflow estimates back to the year 1566 that are derived from tree ring records. Climate change will impact the City’s water supply, and these changes have been considered and incorporated into water planning.

Water supply reliability for Westminster’s customers ultimately depends on projected future water use in the City, which is discussed further in Section 2.4 Demand Forecast. Results from the upgraded model show that Westminster has a reliable water supply for today’s customers. Results also point to the importance of supporting water conservation and efficiency efforts across the City to limit the need for expensive capital improvement projects and ensure water supply resilience to climate change. Efficiency may play a more impactful role in the City’s future water supply reliability than development trends, and has the potential to reduce, but not eliminate, the City’s need to secure more water supplies to meet future demand.

To help ensure water supply reliability in periodic times of shortage, Westminster City Council approved an updated Drought Management Plan in April 2019. The drought plan assesses the impact of historical drought on the City’s water supplies, performs a future drought vulnerability assessment, and details multiple ‘Drought Stages’ and the response strategies Westminster will use to manage water supply and water use during emergency situations (Figure 4).

Figure 4. Westminster’s Drought Stages are easy to understand for affected residents and businesses.



In the context of the State of Colorado’s water planning process, called the Statewide Water Supply Initiative, Westminster is located within the South Platte River Basin and is part of the smaller Metro Basin Roundtable. Previous statewide analysis projected a 150,000 acre-foot shortfall in water supply for the Metro Basin as a whole under the “realistic IPP portfolio” scenario. An acre-foot is the amount of water needed to cover an acre of land, one foot deep in water, or 325,851 gallons. A family of four in Westminster will use about 1/3 acre-foot of water over the course of a year. For perspective, Standley Lake can hold approximately 42,000 acre-feet of water.

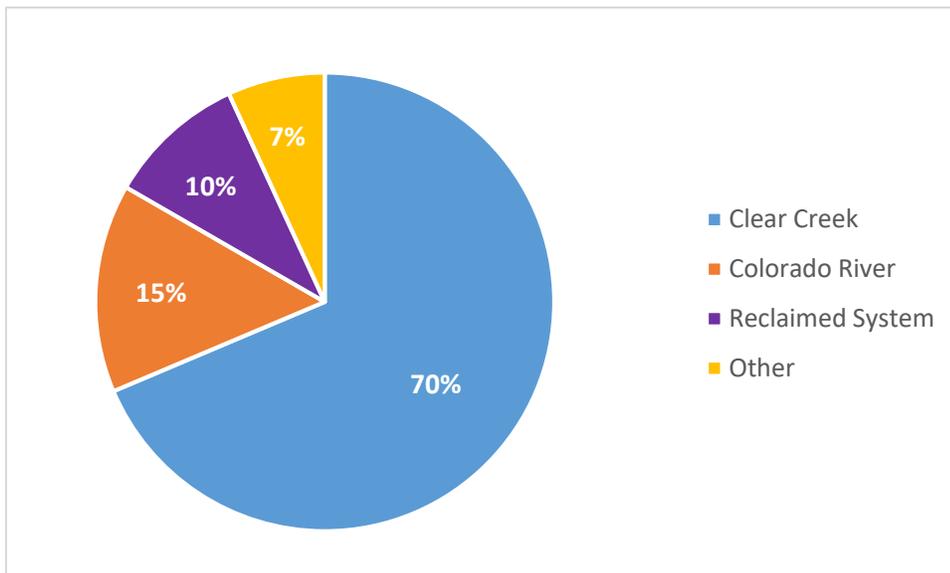
In order to continue providing long-term reliable water service to the community, PWU has to operate within this water scarce reality. Competition for new water supplies is increasingly intense, the cost of new water rights are rapidly rising, and the availability of additional water supplies that easily fit into the City’s infrastructure system is dwindling.

1.3 SUPPLY-SIDE LIMITATIONS AND FUTURE NEEDS

A large portion of Westminster’s water infrastructure was built in the late 1970s and early ‘80s during a period of widespread growth in the City. All of this infrastructure is now close to 50 years old and the City is working to replace it in a timely manner to protect public health and maintain reliable service. This aging infrastructure, plus the need for approximately \$1 billion of additional infrastructure to meet build out conditions of the City under the 2013 Comprehensive Plan, is driving the need for water rate increases. Rate increases in any utility can be challenging, and a comprehensive water efficiency program is one tool that Westminster can use to moderate bill impacts for our customers.

Westminster’s current projected water supply portfolio at build out is entirely from surface water sources (Figure 5). Staff is currently updating the Water Supply Plan that looks out to 2040. Early modeling confirms that water efficiency is one of the most important strategies affecting future water demand, and has the potential to reduce, but not eliminate, the City’s need to develop additional supplies. This water efficiency plan will be continually updated and modified to support strategies and goals identified in the Water Supply Plan.

Figure 5. Westminster’s drinking water supply at build out will come from a mix of sources.



2 HISTORIC WATER DEMAND AND EFFICIENCY ACTIVITIES

2.1 CUSTOMER ACCOUNTS

Westminster provides clean, safe, and reliable drinking water to over 130,000 residents through approximately 33,000 individual accounts. Accounts are categorized into seven main types:

- Single Family Residential: single family detached homes or attached townhomes with their own water meter;
- Multi Family Residential: residential apartment and condo buildings with one water meter for the whole building;
- Commercial: restaurants, office buildings, retail centers, entertainment, car washes, day care facilities, auto service, grocery store, hospitals, hotels, and other service industry uses;
- Municipal: City Hall, recreation centers, greenhouse, and other City facilities, not including parks or golf courses);
- Potable Irrigation: irrigation of landscapes with drinking water, including some parks;
- Reclaimed Irrigation: irrigation of landscapes with recycled water not suitable for drinking, including many large parks and all City golf courses; and
- Wholesale: drinking water sold under contract to the City of Federal Heights, CO

Accounts are separated into these groups because they each place different demands on the utility infrastructure system. For example, single family homes use a small amount of water indoors consistently throughout the year, and then have higher summer time use because of outdoor irrigation. Commercial accounts tend to use a moderate amount of water consistently throughout the year. And irrigation accounts use large amounts of water, but only during the plant growing season. Because of these different use profiles, the City charges different water rates to fairly account for their impacts on the utility.

The overwhelming majority (93%) of Westminster's accounts are single family residential ([Figure 6](#)), however, single family accounts only make up about half of the City's water demand ([Figure 7](#)). Accounts used for outdoor watering, both potable irrigation and reclaimed irrigation, make up only 2% of the accounts but nearly 20% of demand. Westminster's three wholesale accounts all provide water to the City of Federal Heights, CO.

Figure 6. The vast majority of Westminster's water accounts are single family residential (2019).

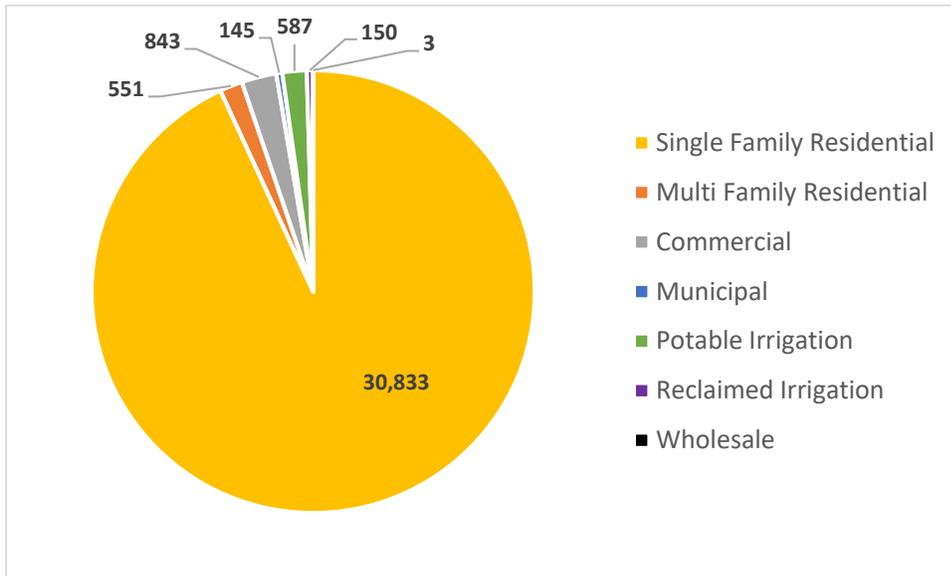
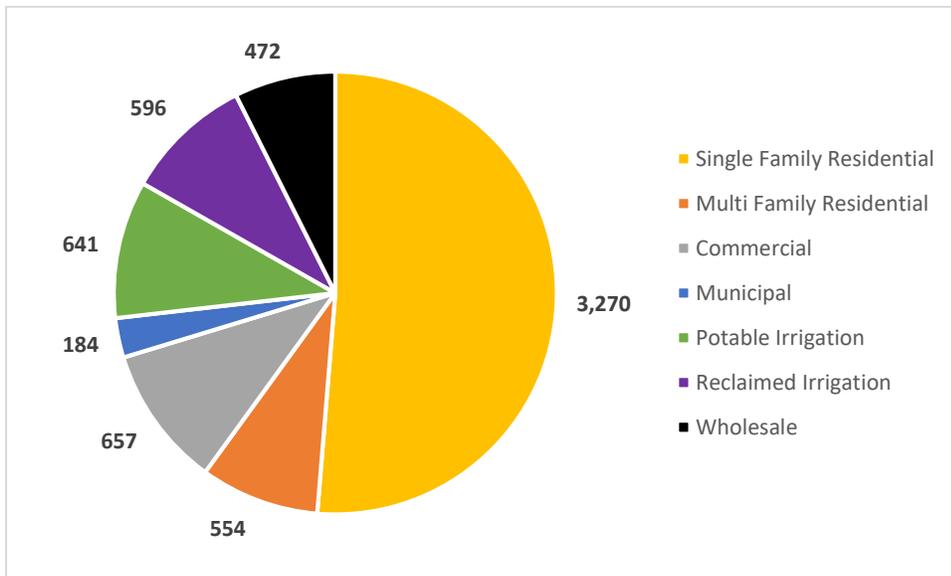


Figure 7. Water demand is distributed across many sectors, with more than half used by residential properties (2018, million gallons).



2.2 HISTORIC WATER DEMANDS

Westminster maintains monthly water use data in digital format for every account from 1985 to present. This rich data set allows Staff to perform detailed analysis of historical water demands. While plain, total water use data by each sector can be important (Table 1), the following sections describing water use throughout the year, and over time in the context of weather, population growth, and conservation trends is much more useful for utility planning.

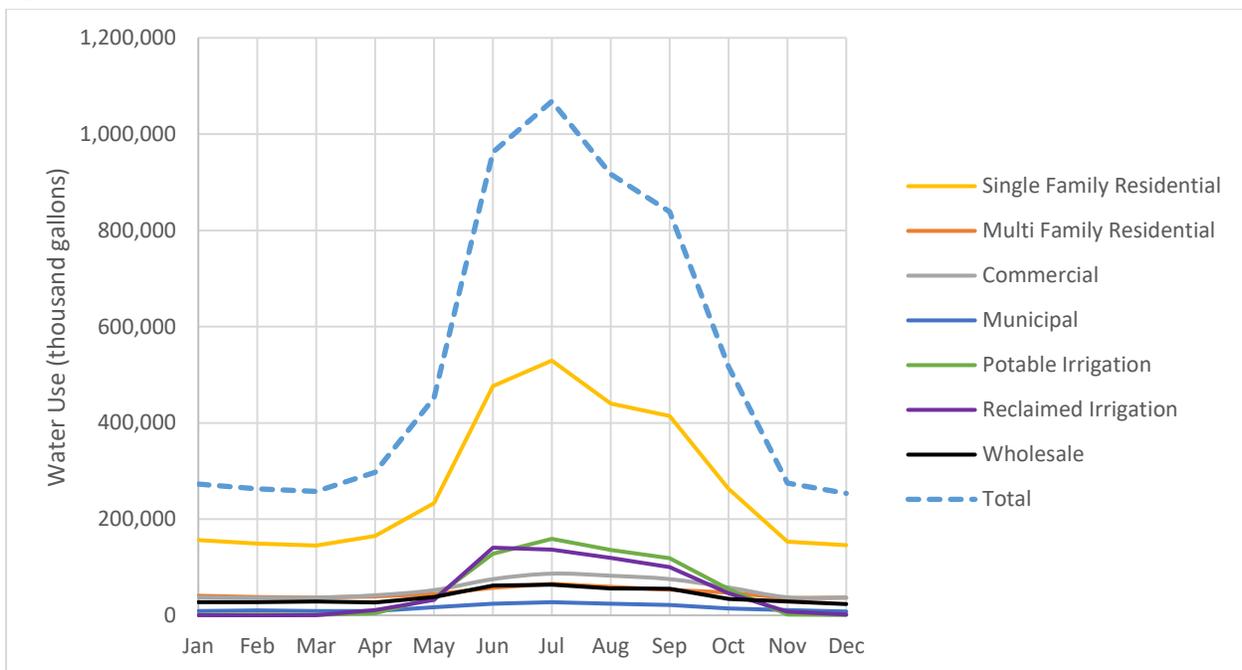
Table 1. Water use by account type for the past five years, thousand gallons.

Category	2015	2016	2017	2018	2019
Residential (SF + MF)	3,594,546	3,804,424	3,672,838	3,823,369	3,456,144
Commercial	620,807	626,612	630,105	656,594	624,458
Municipal	153,652	161,214	159,683	184,176	158,071
Potable Irrigation	533,136	604,059	547,416	641,209	528,384
Reclaimed Irrigation	501,350	593,172	524,797	596,128	496,244
Wholesale	481,576	455,274	467,103	471,687	466,770
Total	5,885,067	6,244,755	6,001,942	6,381,163	5,730,071

2.2.1 Seasonal, Total, and Per Capita Demands

Water demand in Westminster over the course of a year follows a pattern typical to many suburban communities along Colorado’s Front Range – water use is lowest during the winter months, grows to double or triple in the summer months, and has gradual transitions between those during the spring and fall (Figure 8). About half of the City’s treated drinking water for the year is used outdoors to irrigate landscapes. Westminster’s entire water utility infrastructure system is designed to meet customer demands on the one day (generally in July) when it’s been hot for a week and everyone is watering their yard. This summer peak drives the size of pipes, pumps, tanks, and treatment plants. Reducing the summer peak through efficiency programs targeted at outdoor use, such as the long-standing Garden in a Box discounts and Slow the Flow irrigation consultations, as well as newer turf replacement programs, can create significant cost savings for the utility and its customers.

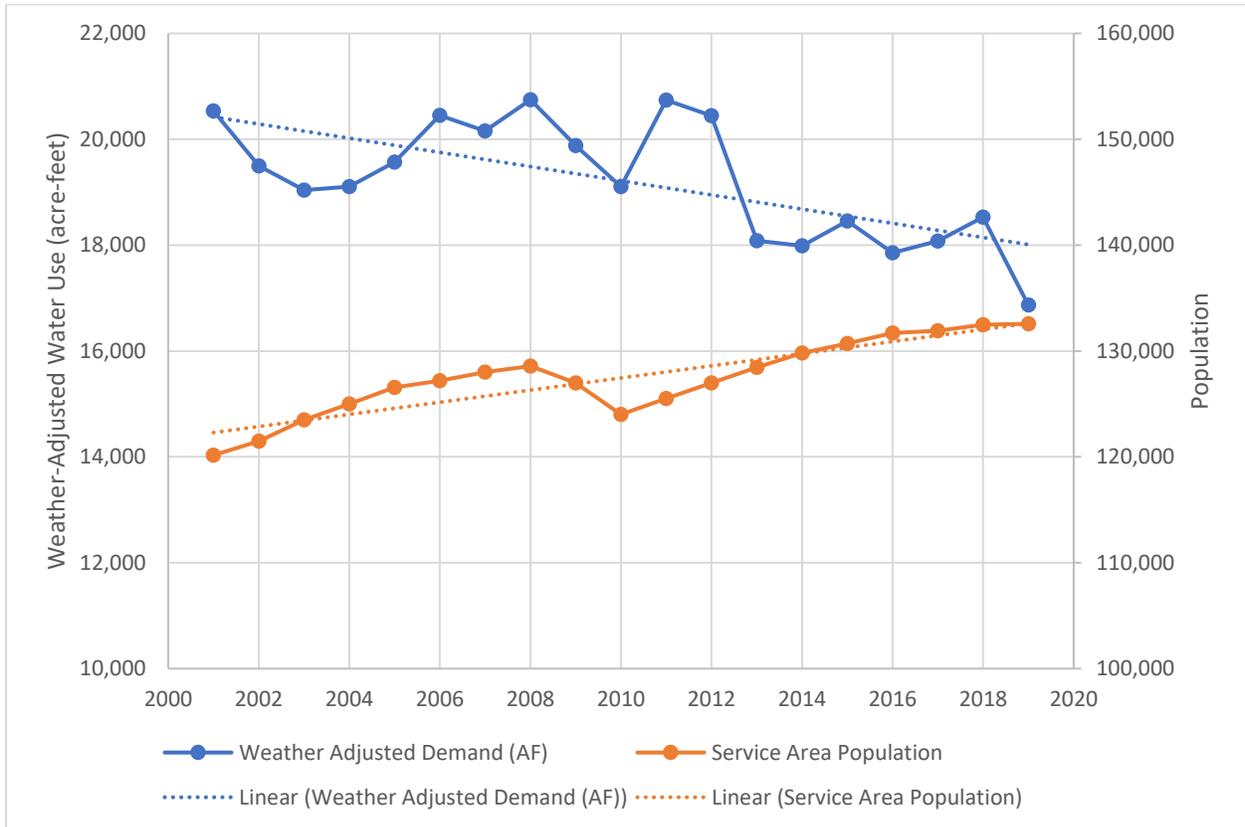
Figure 8. Westminster’s water demands peak in the summer and are lowest in the winter (2018 use).



Over the past two decades, Westminster’s water service population increased by nearly 13,000 residents and the City added almost 130 new commercial accounts, yet total water demands have actually declined by more than 2,000 acre feet (Figure 9). This analysis controls for the impacts of

weather, as all else equal, hot/dry summers will make demand seem higher and cold/wet summers will make demand lower than what should be considered representative.

Figure 9. Total water demand in Westminster is decreasing in spite of population and business growth.



The overall decline in water use is principally the result of reductions in water use from the single family residential sector, and their indoor use in particular. Residents have gradually replaced old toilets, shower heads, and clothes washers over time with newer models that use less water (Figure 10). These small, gradual declines in water use at each existing home in Westminster have more than offset the increase in demand from new residents and businesses over the past two decades. Westminster’s system-wide per capita use has decreased from around 150 gallons per capita per day (gpcd) in 2000, to about 120 gpcd in 2019, an 18% reduction (Figure 11).

Figure 10. Household residential water use is consistently declining in Westminster.

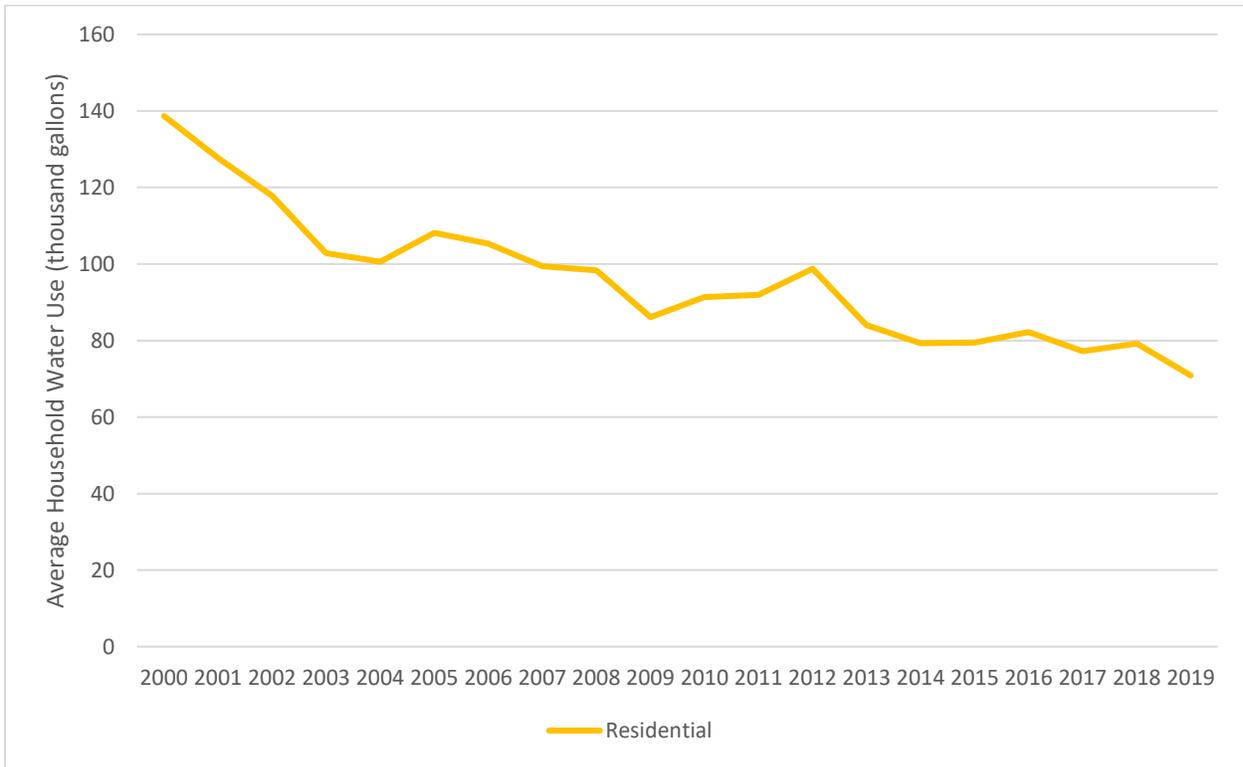
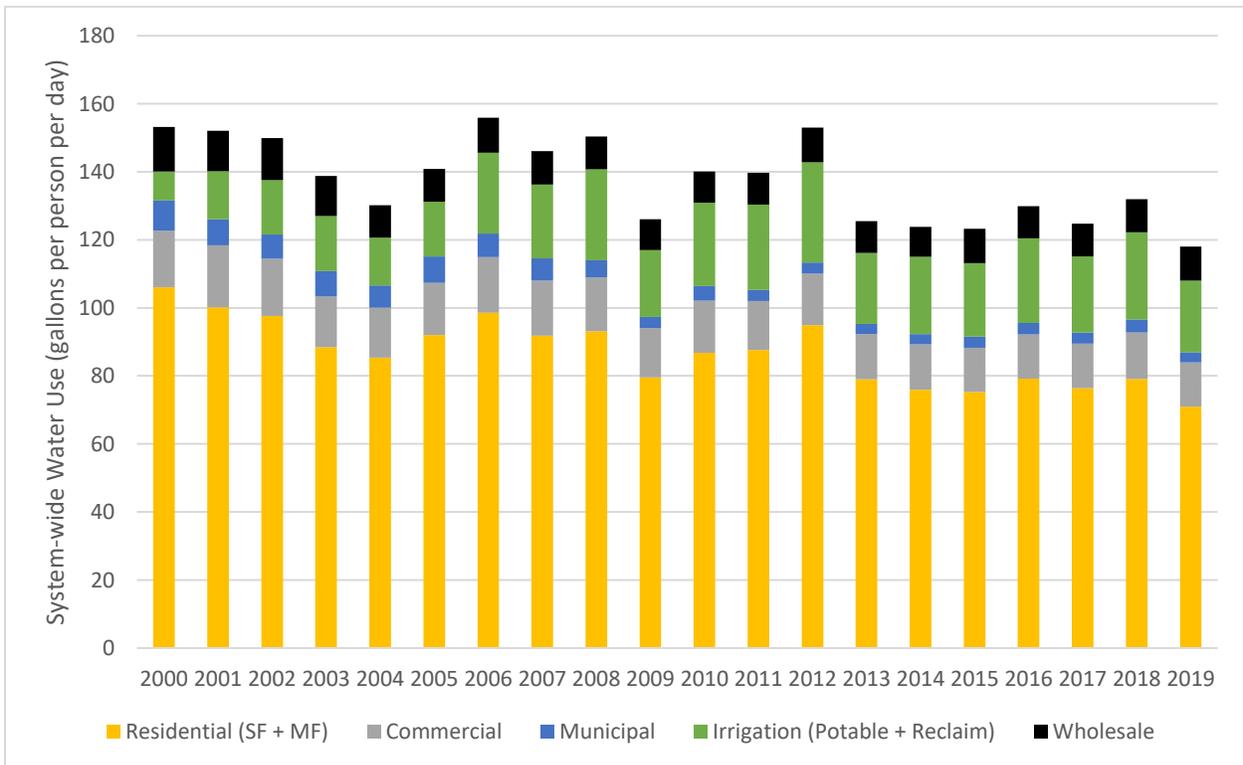
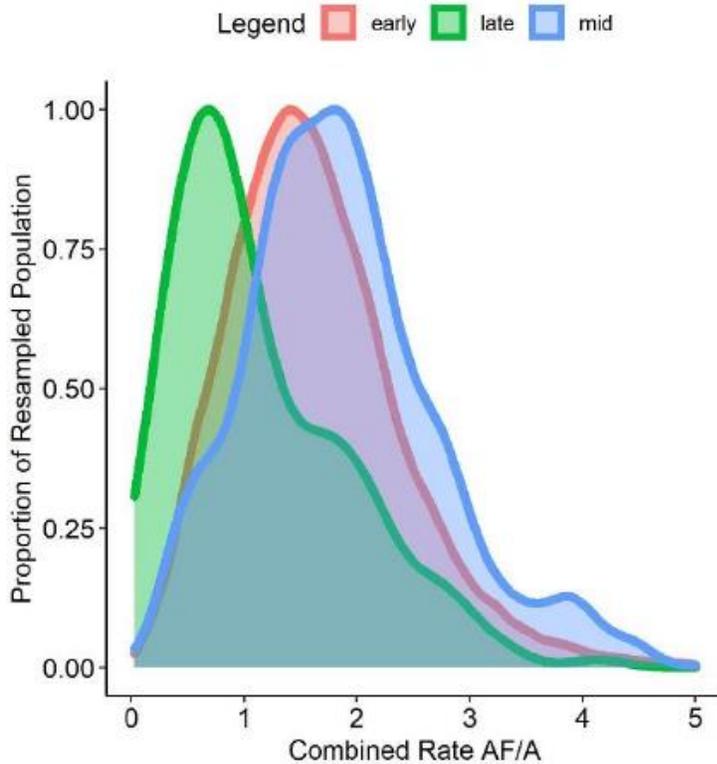


Figure 11. Declines in residential per capita water use are driving overall reductions in city wide water use (single family and multi family residential use as well as potable and reclaimed use are combined for simplicity).



A more in-depth analysis of residential customers reveals that recent development (2016-present) uses much less water than development that happened earlier in the City’s history (Figure 12). New development’s low water use is the result of state legislation requiring high-efficiency indoor fixtures, and outdoor landscaping that is more Colorado-friendly, including much smaller yards of Kentucky bluegrass. Interestingly, “early” development (pre-2002) uses less water than “mid” development because the oldest properties are presumed to have been remodeled with new fixtures that use less water.

Figure 12. Water use from Westminster’s medium density residential properties (R-5) shows that new development uses much less water. early = pre-2002, mid = 2003-2015, late = 2016-present.



2.2.2 Water Loss

Westminster has conducted an annual water loss audit using the AWWA M36 methodology since 2011, and participated in the Colorado Water Conservation Board’s (CWCB) training program to produce a certified water loss audit. Results from the past three years of audits show a consistent level of non-revenue water around 6% (Table 2), meaning the utility does not get paid for about 6% of the water it treats. Large changes to the apparent loss and real loss metrics between 2017 and 2018 are due to data improvements learned through the CWCB training.

Table 2. Water loss metrics are gradually improving as loss reduction efforts and auditing data quality improve.

Year	Non-Revenue Water	Apparent Loss (gal/connection/day)	Real Loss (gal/connection/day)
2019	6.1%	16.07	6.11
2018	5.8 %	17.74	5.18
2017	5.9 %	2.15	18.30

2.3 DEMAND MANAGEMENT ACTIVITIES

The City of Westminster has a long-standing commitment to water efficiency and is consistently looked to as a leader in the field. In 1976, Westminster was one of the first municipalities to implement an increasing block water rate for residential users, meter and charge all water users including City parks and construction sites, and modify the Building Code to require efficient plumbing fixtures in all new development. Many of the measures implemented over the past 40 years are still part of the City's efficiency program today.

2.3.1 Historical Programs

Westminster's past programs spanned a wide range of activities and purposes. Completed programs that are no longer being actively improved or pursued, because of modifications to state law and changing priorities, include:

- Single family fixture rebate program run from 2003 to 2011 that saved approximately 120 acre-feet of water, including:
 - 2,584 rebates for ultra-low-flow and high-efficiency toilets, and
 - 1,345 rebates for water-efficient clothes washers;
- Multifamily high-efficiency toilet program run in 2012 that replaced 289 toilets in 7 complexes;
- Installation of weather stations to collect evapotranspiration data for more precise irrigation at municipally managed spaces, like City Park and Legacy Ridge Golf Course;
- No cost xeriscape seminars offered through the Department of Parks, Recreation, and Libraries;
- Awarding a limited number of building permits each year based on many factors, one of which was water efficiency actions; and
- City facility efficiency audits conducted by Siemens.

2.3.2 Reclaimed System

The City operates a reclaimed water system for outdoor irrigation that significantly reduces potable (or drinking) water demand. Staff take highly-treated effluent from the Big Dry Creek Wastewater Treatment Facility and further clean the water before distributing it in purple-colored pipes to nearly 150 different connections. These customers use reclaimed water to irrigate large turf areas such as parks, schools, landscaping, and golf courses. Serving large irrigation customers with reclaimed water means Westminster does not have to supply them with high-quality drinking water, saving that precious resource for the health and safety of residents and businesses.

The City's reclaimed water program has operated since 2000 and currently distributes about 1,800 acre-feet of water, which is nearly 10% of total City water demand. At buildout, plans are for reclaimed water to irrigate about 25% of all irrigated areas. The City is currently updating its Reclaimed Water Master Plan which may change these goals.

2.3.3 Current and New Programs

Section 4 – [Water Efficiency Activities](#) provides a complete description of all ongoing and new programs, they are summarized in [Table 3](#).

Table 3. Westminster’s current water efficiency programs are comprehensive.

Foundational Practices	Ordinances and Regulations
Monthly Meter Reading & AMI Upgrade	Waste of Water Prohibition
Meter Testing and Replacement	Submetering Requirements
Tracking of Water Use	Organic Soil Amendment
Billing of Water Use	Landscape Regulations
Tap Fees Based on Water Use	Irrigation Equipment Requirements
Annual Water Loss Audit	Post-Install Landscape Water Audits
Proactive Leak Detection and Repair	Commercial Car Wash Reuse Regulations
Water Conservation Coordinator	Directing Growth to ‘Focus Areas’
Regular Contact, Meetings, and Data Sharing	NEW Time of Day Irrigation Rules
PWU Staff is Part of Development Review Process	Education Activities
Integration of Water Supply and Comprehensive Land Use Plans – Westminster Forward	Regular Bill Stuffers and On-Bill Messaging
NEW Customer Water Use Data Portal	City Newspaper Articles
Incentives and Assistance	Direct Mailings
City-Facility Irrigation Improvements	Social Media Engagement
City-Facility Turf Removal	5 th Grade Water Festival
Low-Income Toilet Installations	Customer Surveys
Low-Income Leak Repairs	Plant Demonstration Gardens
Small Business Capital Improvement Grants	Community Outreach
“Slow the Flow” Irrigation System Efficiency Consultation	NEW Video Production
ET-Based Irrigation Controller Discounts	NEW HOA Outreach and Programs
“Garden in a Box” Water-Wise Garden Discounts	
Neighborhood Landscape Enhancement Grants	
NEW Public Parks Tiered Watering Program	
NEW Grass to Garden	
NEW Lawn Removal Service	
NEW Multi-Family Fixture Retrofit	
NEW Rain Barrels	

2.3.4 Estimate of Savings

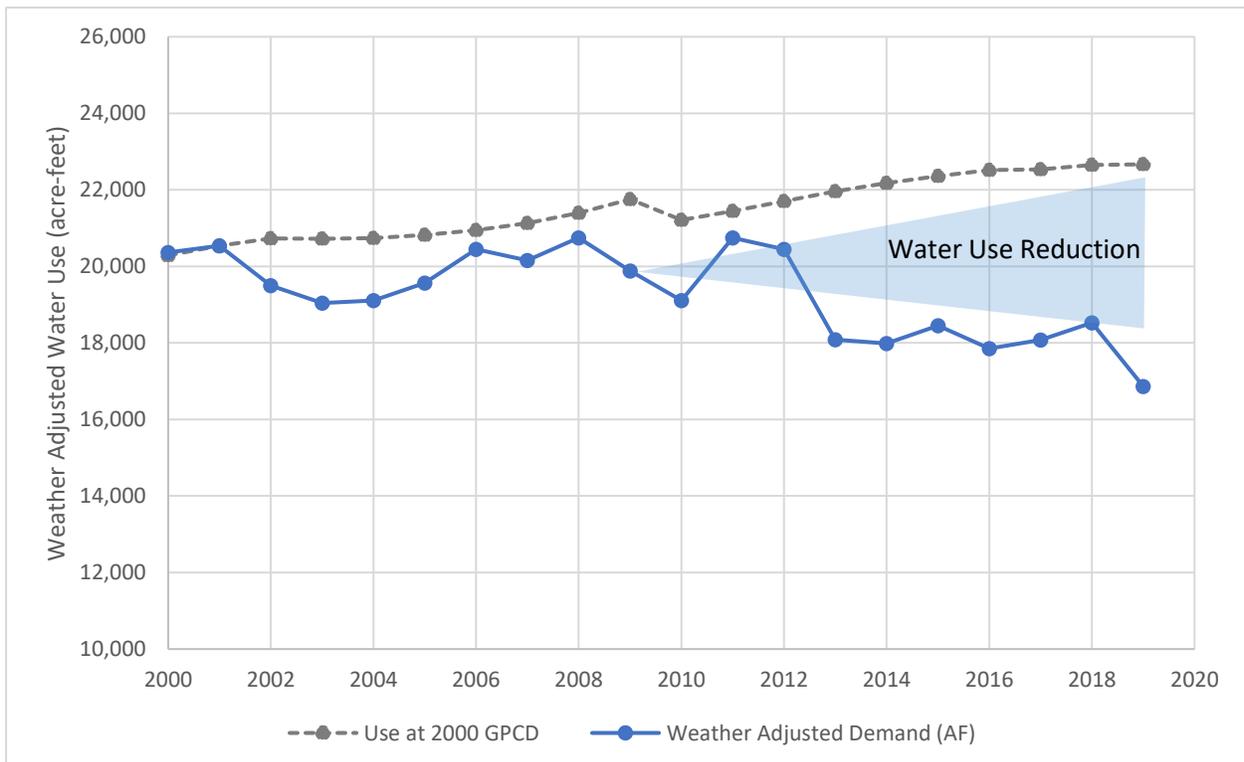
Total water use in the City of Westminster has declined over the past two decades in spite of increasing residential population and commercial business growth. This reduction is due to a host of factors, including but not limited to:

- The impact of historical and on-going efficiency programs;
- State legislation on water-efficient fixtures;
- Use of the City’s reclaimed system;
- The increasing price of water; and
- Changing norms on what is appropriate water use in an arid state like Colorado.

Detangling the individual effect of any one of these factors would be quite complicated, and in many ways is unnecessary, as long as water planners are fully aware of the declining trend and accounting for it in future management. The City does monitor and account for these factors in long-term water supply planning efforts.

If per capita water use rates remained at 2000 levels and did not decrease due to conservation and efficiency improvements, water demands in 2019 would have been about 5,000 acre-feet higher than they actually are today (Figure 13). This is an average rate of decline of over 250 acre-feet per year, which significantly exceeds the City’s 2013 Water Conservation Plan goal to achieve 2,200 acre-feet of water savings by 2040, at an average rate of 79 acre-feet per year. Whether or not the current rate of reduction can be maintained in the future is an open question, and will be affected by a host of choices made by residents, Staff, and City Council.

Figure 13. Water use in the City of Westminster is about 5,000 acre-feet lower today than it would have been without efficiency improvements.



2.4 DEMAND FORECAST

The City of Westminster has long integrated its water demand planning with land use planning. Future build out demand of the City is based upon examining the water use of different types of land use, and then projecting those same water use patterns over a similar category of undeveloped land. As an example, the water use of the residential R-5 land use category is about 1.5 acre-feet per acre. If there are 10 additional acres of R-5 to develop within the city, Staff projects those acres will use 15 acre-feet of water.

Staff is currently updating the City's Water Supply Plan that has a planning horizon of 2040 to match the Comprehensive Plan. Updates include evaluating future water demand using data from most of the City's 33,000 water accounts along with their land use type (e.g., R-5 Residential, Commercial Mixed-Use, etc), rather than just a sample of accounts, and using multiple land use maps that are being considered in the Comprehensive Plan update process. The land use maps, representing varying levels of economic growth and density, are being combined with varying levels of efficiency, multiple climate change scenarios, and fluctuating development characteristics to model potential future demand scenarios. This multi-scenario evaluation will allow the City to better understand how development, water use, and efficiency may impact the City's water demands in the future.

Preliminary results of the modeling effort show a broad range of "gap" between future supply and demand, with a gap indicating the need for additional water rights purchases and large infrastructure investments. For example, in a "Hot Growth" scenario with high levels of economic growth and density, lower levels of efficiency, and higher climate change impacts, demands increase dramatically and the gap is large. Other future scenarios with high levels of water efficiency show a much smaller gap. The past successes of the City's conservation and efficiency efforts, as well as future efforts in this area, play a strong role in determining the size of the water supply gap for Westminster.

Early modeling confirms that water efficiency is one of the most important strategies affecting future demand for Westminster, and has the potential to reduce, but not eliminate the need to develop additional water supplies. To maintain flexibility and take advantage of new opportunities, this Water Efficiency Plan will be continually updated and modified to support strategies and goals identified in the Water Supply Plan.

3 INTEGRATED WATER PLANNING

The City of Westminster has long integrated its water supply planning with land use planning. This integration is demonstrated by PWU's regular meetings and data sharing with other departments, consistent engagement in the development review process, linking future water demands to the comprehensive plan, and several other ways. This integration has ultimately created a better-quality of development in the City and resulted in improved City services.

3.1 WATER EFFICIENCY AND WATER SUPPLY PLANNING

On-going efficient use of water has major drought, environmental, and economic benefits. Reducing water demand improves drought resilience by decreasing the frequency and severity of drought restrictions. Reduced demand may allow for more frequent higher lake levels which are good for water quality and wildlife. Perhaps most importantly, decreased water demand can reduce, defer, and potentially altogether avoid the high costs of new infrastructure and/or some of the more costly additional water supply options.

Without the efficiency efforts of Westminster water customers since 1980, **rates could have been nearly double** what they are today – see the full report “*Conservation Efforts Limit Rate Increases for Colorado Utility*” on the City’s website at: www.cityofwestminster.us/conservation.

Staff is aware of the declining water use trend in Westminster and is planning for the impacts that has on water supply, infrastructure, and financial aspects of the utility. The City’s new drinking water treatment plant (“Water 2025”) that will replace the aging Semper Water Treatment Facility, is going to be developed in phases in order to right-size additional treatment trains and avoid over spending. Similarly, decreasing sewer flows have resulted in cost savings by reducing the number of sewer pipe segments that need to be replaced, and by replacing old pipes with new ones of the same size, rather than larger ones that cost more. Conversely, the higher ratio of solids to liquids in sewer flow is requiring accelerated investment at the Big Dry Creek Wastewater Treatment plant.

Early modeling confirms that water efficiency is one of the most important strategies affecting future demand for Westminster, and has the potential to reduce, but not eliminate the need to develop additional water supplies. To maintain flexibility and take advantage of new opportunities, this Water Efficiency Plan will be continually updated and modified to support strategies and goals identified in the Water Supply Plan.

3.2 WATER EFFICIENCY GOALS

Westminster’s water efficiency goals for this plan were developed through the City’s inter-departmental Water Conservation Taskforce and public input provided by a customer survey (see Section 7.1 [Customer Survey](#)), they are:

- 1) Reduce system-wide water use from 126 gallons per capita per day (gpcd) to 110 gpcd or lower by 2030, a 12.5% reduction over 10 years.
- 2) Offer efficiency programs for all customer types by expanding programs to home owners associations, commercial customers, multi-family units, and irrigation accounts.

- 3) Communicate the benefits and importance of water efficiency to all customers through relevant and timely outreach materials.

These goals are more specific than the City’s previous goal from the 2013 Water Conservation Plan to achieve 2,200 acre-feet of water savings by 2040.

3.3 SUMMARY OF LAND USE ACTIVITIES

The City of Westminster takes pride in the Public Works and Utilities Department’s long-standing integration with the Community Development Department. This integration has resulted in important City Council-level discussions about the balance between water availability and growth aspirations, improved land use development and water resource planning by the City as a whole, superior customer service for development applicants, and ultimately a better-quality of development in the City. This integration is not a given, and requires constant vigilance and effort to maintain.

Section 4 – [Water Efficiency Activities](#) provides a complete description of all ongoing water efficiency programs and ones specific to land use integration are listed in [Table 4](#).

Table 4. Westminster currently integrates water and land use planning through many programs and activities.

Foundational Practices	Ordinances and Regulations
Tap Fees Based on Water Use	Soil Amendment
Regular Contact, Meetings, and Data Sharing	Landscape Regulations
Integration of Water Supply and Comprehensive Land Use Plans – Westminster Forward	Directing In-Fill Growth to ‘Focus Areas’
PWU Staff is Part of Development Review Process	
Incentives and Assistance	Education Activities
“Garden in a Box” Water-Wise Garden Discounts	Community Outreach

4 WATER EFFICIENCY ACTIVITIES

4.1 SUMMARY OF SELECTION PROCESS

Westminster reviewed all of its current demand management activities and considered a wide variety of new programs to create the list described in this plan. Activities were prioritized based on impact to residential customers (the largest customer class), outdoor water use (the most discretionary type of water demand), municipal water uses (to make sure the City has its own house in order), and under-resourced communities (an area of interest for City Council). Activities were then evaluated based upon their contribution in meeting the goals defined in Section 3.2 [Water Efficiency Goals](#).

4.2 DEMAND MANAGEMENT ACTIVITIES

The following sub-sections provide a brief description of each water efficiency activity Westminster will pursue under this plan. Programs beginning in 2020 or later are prefaced with “NEW.” The City estimates these efficiency programs, in combination with passive conservation, increasing water prices, and changing social norms has the potential to significantly reduce future water use. Detangling the individual effect of any one of these factors from another would be quite complicated, and in many ways is unnecessary, as long as water planners are fully aware of this trend and accounting for it in future management. The City does monitor and account for these factors in long-term water supply planning efforts.

4.2.1 Foundational Activities

Monthly Meter Reading & AMI Upgrade: Every connection to Westminster’s water utility infrastructure is metered. Each customer’s meter is read every month either by radio-frequency via a truck driving down the street, or through Advanced Metering Infrastructure (AMI) that can provide hourly water use data electronically to Staff from their desktops. The City is now part way through a \$14 million project to replace all 30,000 residential meters with electronic meters that don’t have moving parts and can be read remotely from the office.

Meter Testing and Replacement: Meter Shop staff annually test all large meters and a statistically-relevant sample of small meters according to American Water Works Association (AWWA) standards using a state-of-the-art test bench. Meters that test outside of acceptable limits are replaced.

Tracking of Water Use: Westminster maintains monthly water use data on every account from 1985 through the present, and uses this data for rate setting, tap fee calculations, long-term demand projections, targeting efficiency programs, and a whole host of other purposes. Westminster’s water use data is robust and one of the City’s greatest assets.

Billing of Water Use: Each customer is billed monthly according to their individual volumetric use under different rate structures that ensure fairness among different customer groups. For example, residential customers are billed under a 3-tier increasing block structure, while commercial customers are billed under an individualized annual water budget. Westminster just completed a full cost-of-service rate study in 2018 and is using those results to recommend rate changes for the next 5-7 years. See the City’s website for current water and sewer rates: www.cityofwestminster.us/Residents/Water/Rates.

Tap Fees Based on Water Use: Westminster charges custom tap fees for each new development in the City under a structure that incentivizes water efficiency. Residential tap fees scale based on the number of bathrooms or bedrooms in the home, with increasing numbers resulting in increasing fees. Commercial tap fees are based on the business type, and are charged appropriately to the amount of water they use. Irrigation tap fees are based on the type of landscaping, with high water use turf costing nearly four times more than ‘Colorado-friendly’ perennials.

Annual Water Loss Audit: Staff has conducted an annual water loss audit using the AWWA M36 methodology since 2011, and recently completed state-sponsored training program to produce a certified water loss audit. Results from the past three years of audits show a stable level of non-revenue water (see Section [2.2.2 Water Loss](#)).

Proactive Leak Detection and Repair: The City utilizes acoustic leak detection equipment to find water main breaks before they surface on the street, and responds to emergency water main break repairs within 1 hour of notification. A large portion of the utility’s Capital Improvement Program is also targeted at replacing old water mains before they break.

Water Conservation Coordinator: Water efficiency activities are led by multiple staff across the City, from City-facility turf reductions by the Parks, Recreation, and Libraries Department, to water-efficient landscape plan review by the Community Development Department, to customer-focused rebate and education programs by the Public Works and Utilities Department. PWU has 0.25 FTE dedicated to leading water efficiency projects.

Regular Contact, Meetings, and Data Sharing: PWU staff participate in a standing weekly meeting with Community Development to review specific future development applications, and is in regular contact with planners on other development issues as well. Department heads also separately meet on a weekly basis to discuss cross-cutting land use, water, and economic development issues in the City.

PWU Staff is Part of Development Review Process: PWU staff participates in all pre-application meetings with developers seeking a building permit from Westminster. In these meetings, PWU describes the cost of tap fees, utility infrastructure requirements, and is available to answer questions directly from the developer. After the initial pre-application meeting, PWU staff is also involved in the Official Development Plan approval and subsequent Building Permit review processes.

Integration of Water Supply and Comprehensive Land Use Plans – Westminster Forward: PWU is extensively involved in Westminster’s long-range land use planning processes and plays an important role in the regular update of the City’s Comprehensive Plan. PWU staff have developed water use estimates per land use type that enables analysis of comprehensive land use plan changes on future water demand. Multiple city-wide plans are currently being coordinated across departments under the title “Westminster Forward”, including the Comprehensive Plan, Parks, Recreation & Libraries Plan, Sustainability Plan, Water Supply Plan, and others.

NEW *Customer Water Use Data Portal:* The City is currently contracting for an online portal that will allow customers to check their hourly water use data in real-time. This portal will be made available after installation of the new residential, remotely-read AMI meters is complete. The portal will send out automatic leak notices to customers, show water use comparisons over time, and provide educational materials in order to improve customer service. Expected go-live date in 2021/2022.

4.2.2 Targeted Incentives and Technical Assistance

The City of Westminster is the water utility's largest single customer. Nearly 8% of total annual water production serves City government buildings, irrigation at public parks, five recreation centers, and many other public facilities.

City-Facility Irrigation System Improvements: Several million dollars will be spent over the coming years to improve the City's irrigation systems and controls to enable more precise irrigation at each park and facility.

City-Facility Turf Replacement: Westminster removed 21 acres of turf from City parks and around City facilities in 2019, with a goal to remove another 20 acres in 2020. Non-functional turf, that which only provides aesthetic value, is being replaced with more interesting, biodiverse, and lower water use landscaping.

Low-Income Toilet Installations ("Flush for the Future"): Westminster installs up to two high-efficiency toilets, free of charge, for income-qualified home owners as part of the City's Water Bill Assistance Program. Toilet installation is always preceded by an indoor water audit that also retrofits showerheads and faucet aerators with high-efficiency models. Around 50 toilets are replaced under this program each year.

Low-Income Leak Repairs: Customers with a water leak on their account cannot participate in any water efficiency programs, so Westminster provides a leak repair service free of charge to income-qualified residents. About 15 homes with leaks are fixed through this program each year.

Small Business Capital Improvement Grants: This program provides financial assistance of 10% up to \$5,000 for capital improvements, including water or energy saving equipment, to encourage the growth and retention of existing Westminster businesses. More information is available at:

www.westminstereconomicdevelopment.org.

"Slow the Flow" Irrigation System Efficiency Consultations: All residential customers can receive a free consultation that provides a report detailing proper irrigation scheduling for their individual landscape as well as any major maintenance issues to address. In 2019 and 2020, Staff sent targeted letters to the City's largest water users and greatest over-irrigators to inform them of this free program. This service is regularly offered to several HOA's each year as budget allows. Around 350 consultations are performed each year.

ET-Based Irrigation Controller Discounts: Large discounts are provided on Rachio smart, web-enabled, irrigation controllers, but only to customers who are over-irrigating their landscapes as determined through an irrigation consultation. Customers spend \$100 to receive nearly \$400 of technology and installation services.

"Garden in a Box" Water-Wise Garden Discounts: Offers a simple approach to an eye-catching, water-wise landscape. Each garden kit includes: starter plants, a Plant and Care Guide, and professionally designed plant by number maps - making it easy for all gardening levels. Westminster provides around 200, \$25 discounts to customers each year.

Neighborhood Landscape Enhancement Grants: This program makes funding available for landscaping projects that improve the appearance and quality of life of individual neighborhoods and areas within

Westminster. The City encourages citizen participation in projects of this nature by providing matching funds to qualified applicants. More information is available at: www.cityofwestminster.us/neighborhoodgrants.

NEW Public Parks Tiered Watering Program: Parks staff has ranked all park areas according to purpose, such as high-use athletic facilities, low use areas without programmed activities, and greenbelts/right of ways. Beginning in 2020 and over several years, irrigation will be reduced at the lower priority areas and native landscaping will be planted to reduce water use. The north lawn at City Hall will be used to demonstrate the different tiers of water use for public education.

NEW Grass to Garden: This program motivates residents to remove 200 square feet or more of maintained grass and replace it with water-wise landscaping. To qualify for free plant materials and educational support for a landscape remodel, participants must: complete a webinar, quiz, and the full landscape transformation. Program began in 2020.

NEW Lawn Removal Service: For \$2 per square foot, residents can kick-start their next water smart landscape project by having a contractor physically remove and compost a section of the lawn. Lawn removal projects must be at least 200 square feet to qualify. Program began in 2020.

NEW Multi-Family Fixture Retrofit: In partnership with Foothills Regional Housing and Maiker Housing Partners, Westminster will retrofit approximately 200 multi-family units with high-efficiency toilets, showerheads, and faucet aerators. This program benefits lower-income residents in the community and will build the business case for a larger multi-family retrofit program. Program began in 2020.

NEW Rain Barrels: To reduce stormwater runoff and build water-literacy of residents throughout Westminster, the City began developing a rain barrel discount program in March 2020 and has an expected go-live date for Spring 2021.

4.2.3 Ordinances and Regulations

Waste of Water Prohibition: [City Code 8-7-25](#) prohibits the waste of water, provides various waste examples, and allows the City to levy fines against, and ultimately shut off the water at, customers that do not stop wasting water.

Submetering Requirements: Since 2006, the City has required all new commercial and multi-family buildings to submeter each unit. Submetering places the responsibility and the ability to track water use with the individual water user in a multi-tenant building. Studies have shown that water users who pay for their individual water use are more likely to use less water.

Organic Soil Amendment: All landscaped areas in the City are required to amend the soil in order to reduce runoff, reduce irrigation needs, and promote healthier plant growth. A minimum of 5 cubic yards of an organic amendment per 1,000 square feet of landscape area is required to be tilled 8 inches in depth into the soil.

Landscape Regulations: The City has landscape regulations that cover landscape design, irrigation system design, and a list of plants appropriate for Westminster. These regulations will be updated in 2020 to increase biodiversity, help pollinator species, and reduce water use by comparison to Kentucky bluegrass lawns that are common throughout the City.

Irrigation Equipment Requirements: The City's landscape regulations require a master shut-off valve and an evapotranspiration or soil moisture based irrigation controller with rain sensor to prevent leaks and ensure efficient water use. In addition, no single zone can mix irrigation head types.

Post-Install Landscape Water Audits: To ensure irrigation systems were properly installed and can efficiently irrigate the landscape, the system must pass an audit performed by an Irrigation Association Certified Irrigation Auditor.

Commercial Car Wash Reuse: All car washes built in Westminster since 1996 have been required to install recycling systems so that at least 50% of the annual wash water can be reused.

Directing Growth to 'Focus Areas': Westminster's Comprehensive Plan shifts the traditional lateral growth trend to focus on strategic growth targeted in five geographic areas. These focus areas will help ensure future growth has access to amenities, shopping, employment, a variety of housing options, and multi-modal transportation options. Concentrating new development reduces water and sewer infrastructure costs and results in lower per person water demands.

NEW *Time of Day Irrigation Rules:* Staff is considering new rules for outdoor water use, limiting irrigation to before 10:00A or after 6:00P, three times a week, from May 1 to October 15. These restrictions would promote efficient water use and better prepare the community for drought.

4.2.4 Educational Activities

Regular Bill Stuffers and On-Bill Messaging: Customers receive on-going education about available efficiency programs, water bill assistance opportunities, water rate changes, utility project updates, and other relevant information in the message center directly on their water bill and through full page bill stuffers included with every bill.

City Newspaper Articles: The "City Edition" bi-monthly newspaper is distributed to every household and business in the City and regularly includes articles about utility programs, projects, and information.

Direct Mailings: To stand out from the regular water bill and capture increased attention, the City mails occasional stand-alone postcards and brochures directly to customers on important topics.

Social Media Engagement: Social media engagement via Facebook and Next Door has increased significantly in the past year and will continue becoming a greater focus of communication and education in the years ahead. Videos of City engineers describing their water infrastructure projects in plain English, and examples of efficiency program participant's yards have garnered excellent positive reactions.

5th Grade Water Festival: Thornton, Northglenn, and Westminster have partnered to host an annual 5th grade water festival since 2003. The festival reaches about 1,000 students each year, at no cost to their teacher, and engages them on topics such as water efficiency, the history of Colorado water law, water chemistry, the water cycle, local water systems, weather, and aquatic wildlife.

Customer Surveys: In spring 2019, the Utility surveyed ~10% of the City's water customers to gather information about their perceptions of the water/sewer services they receive in order to improve future communication content and methods. In early 2020, results from a separate customer survey helped define the goals and programs in this Water Efficiency Plan.

Plant Demonstration Gardens: A physical example of water-wise plants that make up a 'Colorado-friendly' landscape can be very helpful for residents to understand the natural beauty and easy maintenance of these water-thrifty plants. The City has been at the forefront of demonstration, with gardens at City Hall, the Public Safety Center, City Park Grand Staircase, and other Recreation Centers with quite a few of these plants originally grown at the City greenhouse. Staff also created four short informational videos highlighting plant selection and care for home gardeners who want to learn more. Staff partners with Colorado State University, Butterfly Pavilion, Urban Prairie Project, Denver Botanic Gardens, Plant Select, Monarch Watch, Habitat Hero, and Audubon of the Rockies in selecting the right plants for Colorado's arid climate and rocky soils.

Community Outreach: PWU partnered with several other departments in the *Westminster Forward* process, a coordination of long-term plans/projects to create the framework for the future of Westminster. Staff tabled together at several community events and surveyed customers online and in-person to gain their perspectives about future land use, water supply issues, new public park locations, and many other topics.

NEW Video Production: The City as a whole is investing in increased video production capabilities in order to communicate with residents about water infrastructure, water efficiency techniques, turf reduction, and irrigation practices, and is rolling out new videos on a more continuous basis.

NEW HOA Outreach and Programs: Many Homeowner's Associations (HOA) in Westminster maintain large landscape areas that are predominantly Kentucky bluegrass and use a lot of water. These legacy landscapes are expensive to maintain and costly to retrofit, leaving HOAs with few options to easily reduce water use. A new outreach effort will target HOAs to teach them about available technical and financial support to transition to more 'Colorado-friendly' landscaping. Expected go-live date in 2021.

5 IMPLEMENTATION AND MONITORING

5.1 IMPLEMENTATION PLAN

Public Works and Utilities is chiefly responsible for implementation of this plan, and will work in collaboration with other departments on their water efficiency actions. See [Table 3](#) for a list of all programs to be implemented over the next seven years. Most new programs began in 2020, and all programs are planned to be active by 2022 (see specific program descriptions in [Section 4.2 Demand Management Activities](#)).

Water efficiency is a growing area of interest for Westminster’s City Council and City management, so it is certain this plan will grow and adapt in the coming years. Approximately \$100,000 of operating funds were budgeted for customer water efficiency programs in 2019, with the 2020 budget increasing to nearly \$160,000. Areas of focus for future funding will include using capital improvement project dollars for demand management activities, and exploring debt issuance to finance distributed infrastructure improvements. Both of these avenues have the potential to enable much larger scale programs to increase efficiency and reduce water use.

A seminal study conducted by Westminster in 2014 concluded that without the water efficiency efforts of customers since 1980, **rates could have been nearly double** what they are today. The full report “*Conservation Efforts Limit Rate Increases for Colorado Utility*” is available at: www.cityofwestminster.us/conservation. The City is financially planning for the impacts of reduced per customer water use, and is wholly committed to continuing its long-term investments in water efficiency.

5.2 MONITORING PLAN

The City of Westminster monitors water demands and efficiency program participation on a monthly basis. Necessary adjustments are made regularly to increase outreach for underperforming programs, and increase budget for popular programs. On an annual basis, Staff evaluates the overall performance and popularity of existing programs, provides recommendations to City Council for budget adjustments, and researches new programs that may be available and appropriate for customers.

Categories of data that are tracked and monitored by the City on an annual basis include all of the following, most of which have a complete record from 2000 through present:

- Monthly water use by account;
- Indoor and outdoor use by account;
- Irrigation efficiency of residential accounts (in gallons per square foot);
- Summaries of water use by:
 - Structure type (e.g., Residential SF Detached, Apartments, Business Commercial, Industrial, Wholesale, City Account, Irrigation, School/Church/Public, Reclaimed, Commercial Irrigation, Hydrant Meters);
 - Sewer collection basin (Big Dry Creek, Little Dry Creek, and Crestview);

- Bill code (e.g., residential inside city, residential Shaw Heights, residential outside city); and
- Meter code (e.g., 5/8" commercial inside city, 1" residential meter outside city, 1.5" reclaimed);
- Efficiency program participation;
- Assistance program participation;
- Water loss metrics;
- HB1051 data reporting metrics;
- Trends in water demand over time (in per person water use and acre-feet); and
- Weather data.

6 PUBLIC REVIEW, ADOPTION, AND APPROVAL

6.1 PUBLIC REVIEW PROCESS

Public input on this Water Efficiency Plan was achieved through a customer survey, a water rate increase-related community open house, an official public comment period, an online community forum, and public presentations to City Council.

The customer survey and responses are further described in Appendix [7.1 Customer Survey](#). The survey was open from February 3 through March 23, 2020 and publicized through a bill stuffer, an on-bill message, social media, the City’s website, and the City’s weekly digital newsletter. 1,142 total responses were received from the survey.

A summary of the survey results indicate that Westminster water customers: 1) feel the City is doing well on efficiency, but many don’t know enough about what efforts are being taken; 2) are interested in learning more about how to be efficient; and 3) would consider replacing some of their front lawn given a financial incentive. This direction from customers increased the focus Staff placed on education and landscape transformation programs in the first draft of the plan.

One public open house about the 2021/2022 rate increase proposal was held on February 26, 2020 at the City Park Recreation Center. The City’s water efficiency programs were a “station” at the open house. Input on the City’s programs was requested and attendees were encouraged to fill out the customer survey. No direct comments on the City’s water efficiency programs were received as part of the open house outreach.

A complete draft of the plan, was posted on the City’s website on August 6, 2020. A notice for public comment was placed in the Westminster Window, and publicized through a bill stuffer, social media channels, and direct outreach to HOAs and others (see Appendix [7.2 Public Notifications](#)). An online community forum about the Water Efficiency Plan was hosted by Staff during the public comment period on August 26, 2020. Because of COVID-19 related precautions an in-person event was not possible. The webinar was attended by approximately XX individuals. A summary of the public comments received indicate that... This led to changes in the plan, such as... Each public comment is provided in Appendix [7.3 Public Comments](#).

Following incorporation of public feedback, a final plan was presented to City Council on XXX XX, 2020. City Council and public comments received indicate that... This led to changes in the plan, such as...

6.2 EFFICIENCY PLAN ADOPTION AND APPROVAL

6.2.1 CWCB Approval

The CWCB received an initial draft of Westminster’s Water Efficiency Plan on April 21, 2020. Comments on the plan were addressed, and a draft plan was made available for public comment on August 6, 2020. Following incorporation of public comment, the plan was discussed with City Council on XXX XX, 2020 and adopted by resolution on XXX XX, 2020. The plan was then resubmitted for final CWCB approval on XXX XX, 2020.

6.2.2 Local Adoption

Westminster City Council adopted its 2020 Water Efficiency Plan on [XXX XX](#), 2020 (see Appendix [7.4 Official Plan Adoption by Westminster City Council](#)).

6.3 WATER EFFICIENCY PLAN REVIEW AND UPDATE

The City of Westminster anticipates updating this Water Efficiency Plan by 2027, however annual adjustments will be made to ensure the City continues offering the right programs to the right customers to help everyone make better decisions about how to manage this scarce resource. This is described in Section [5 – Implementation and Monitoring](#).

7 APPENDICES

7.1 CUSTOMER SURVEY

7.1.1 Survey Results Summary

To briefly summarize, 1,142 respondents to the survey said:

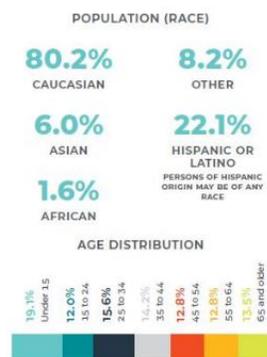
- The City should conserve because water is scarce and ensures long-term water supply security (Q2);
- The City is doing well on efficiency, but many don't know enough about what efforts are being taken (Q3);
- Nearly 85% are interested in learning more about how to be efficient (Q5);
 - Reducing the water bill and just "to conserve" are the primary motivators for customers' efficiency improvements (Q7); and
 - 40% of customers are unaware of several, existing conservation programs and are either interested in participating or would like to learn more (Q17);
- 95% of customers have a grass lawn (Q8);
 - Over 55% like their lawn, but are open to alternatives for all/some of it (Q10); and
 - >70% would consider replacing some of their front lawn given a financial incentive, with cost as the greatest barrier to landscape change and HOA restrictions/control as a regularly cited problem in the open comment section (Q14-16); and
- There is broad interest in a variety of new programs, with a rain barrel discount garnering the most interest (Q18).
- The survey polled ~4% of customers (1,142/33,000 accounts). Respondents skewed older, more white, and affluent than the demographics of the full customer base (Q20-25, [Figure 14](#)).

Figure 14. City of Westminster demographics and community profile are available at: www.westminstereconomicdevelopment.org/data-resources/demographics.

Community Statistics

- POPULATION - 117,832
- HOUSEHOLDS - 46,137
- MEDIAN AGE - 37.2
- EDUCATIONAL ATTAINMENT (AGE 25+):
 - BACHELOR'S DEGREE OR HIGHER - 24.9%
 - MASTER'S, PROFESSIONAL OR DOCTORATE - 13.9%
- AVERAGE DISPOSABLE INCOME - \$73,017

Characteristics of the Population



7.1.2 Customer Survey Instrument and Detailed Results

The following text prefaced the customer survey, and detailed results to each question are provided in the next pages.

Water conservation and water efficiency mean the same thing in today's survey, as both result in lower water use. The City of Westminster is updating its Water Efficiency Plan to ensure we continue offering the right programs to the right customers that help everyone make smarter decisions about how to use this scarce resource. To do that successfully, we need your input. **Water customers are eligible to receive one \$5 rebate per household for completing the full survey** – a copy of your water bill has all the information you need to request a rebate.

Westminster's Long-Term Water Efficiency Investments Have Resulted in Significant Financial Savings for Our Customers

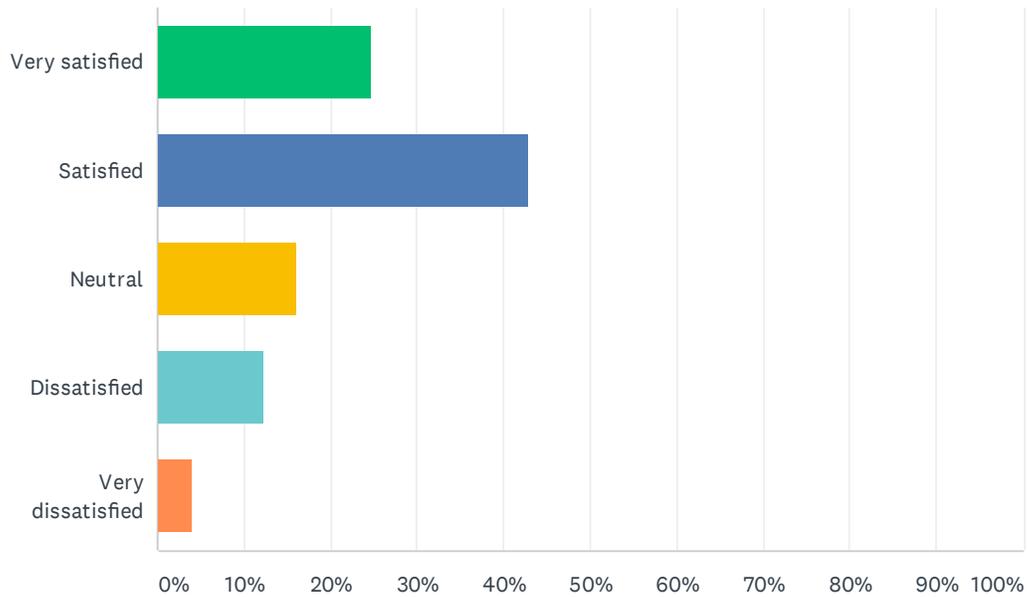
Using our water efficiently returns major benefits to the City's water utility and its customers. Over the past two decades, Westminster's population increased by nearly 13,000 residents and the City added almost 130 new business customer accounts, yet total water demands have actually dropped. This is because per person water use has declined by 15% since 2000. Without the conservation efforts of Westminster water customers since 1980, rates could have been nearly double what they are today.

Thank you so much for your participation!

Visit www.cityofwestminster.us/Residents/Water/Conservation to learn more about water efficiency tips and programs for Westminster customers.

Q1 How satisfied are you with the value of the water and sewer services provided by the City of Westminster?

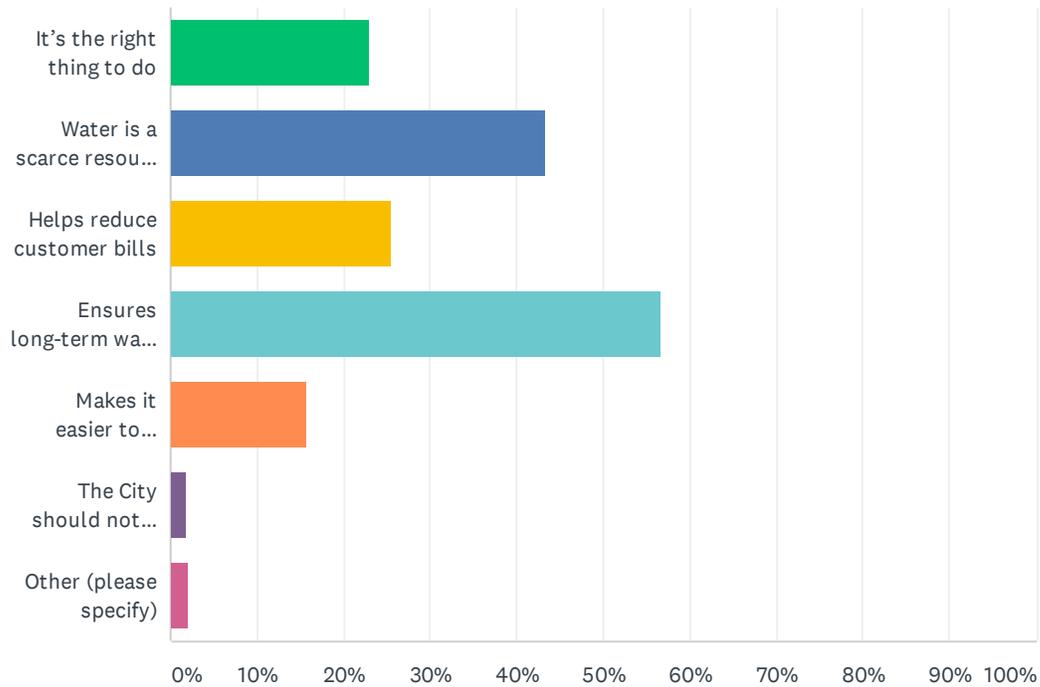
Answered: 1,142 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very satisfied	24.69%	282
Satisfied	42.91%	490
Neutral	16.20%	185
Dissatisfied	12.26%	140
Very dissatisfied	3.94%	45
TOTAL		1,142

Q2 Please complete the following: The City of Westminster should promote water efficiency because... (select top 1 or 2)

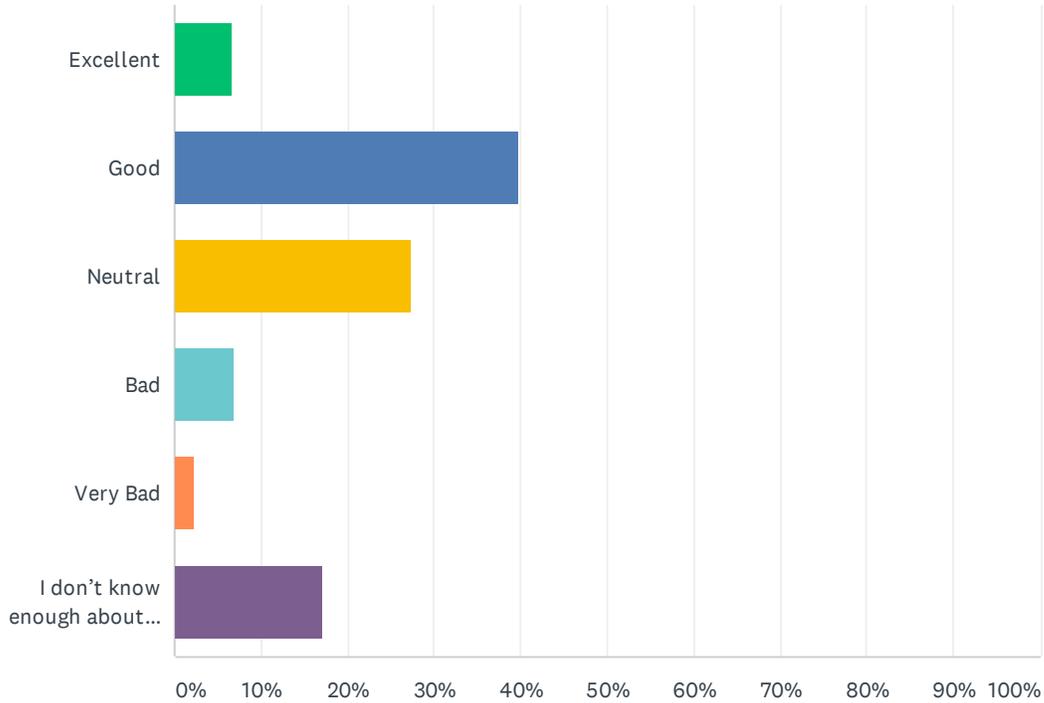
Answered: 1,108 Skipped: 34



ANSWER CHOICES	RESPONSES	
It's the right thing to do	23.10%	256
Water is a scarce resource in Colorado	43.23%	479
Helps reduce customer bills	25.54%	283
Ensures long-term water supply security	56.68%	628
Makes it easier to manage drought	15.61%	173
The City should not promote water saving activities	1.81%	20
Other (please specify)	2.17%	24
Total Respondents: 1,108		

Q3 How well is the City doing currently to promote water efficiency?

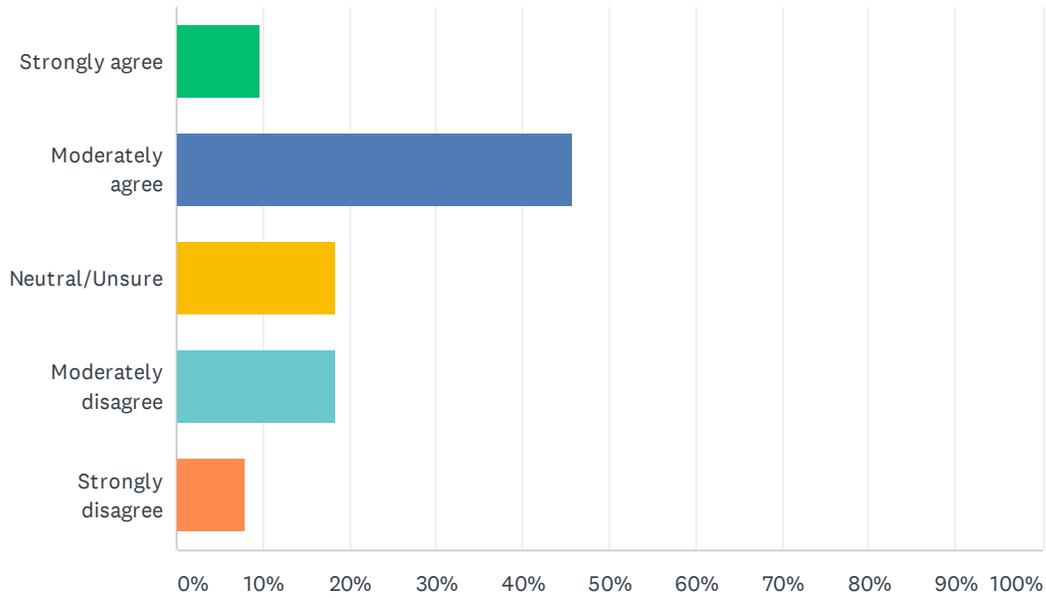
Answered: 1,108 Skipped: 34



ANSWER CHOICES	RESPONSES	
Excellent	6.68%	74
Good	39.71%	440
Neutral	27.35%	303
Bad	6.86%	76
Very Bad	2.35%	26
I don't know enough about what the City is doing	17.06%	189
TOTAL		1,108

Q4 I could be more efficient with water at my home or business.

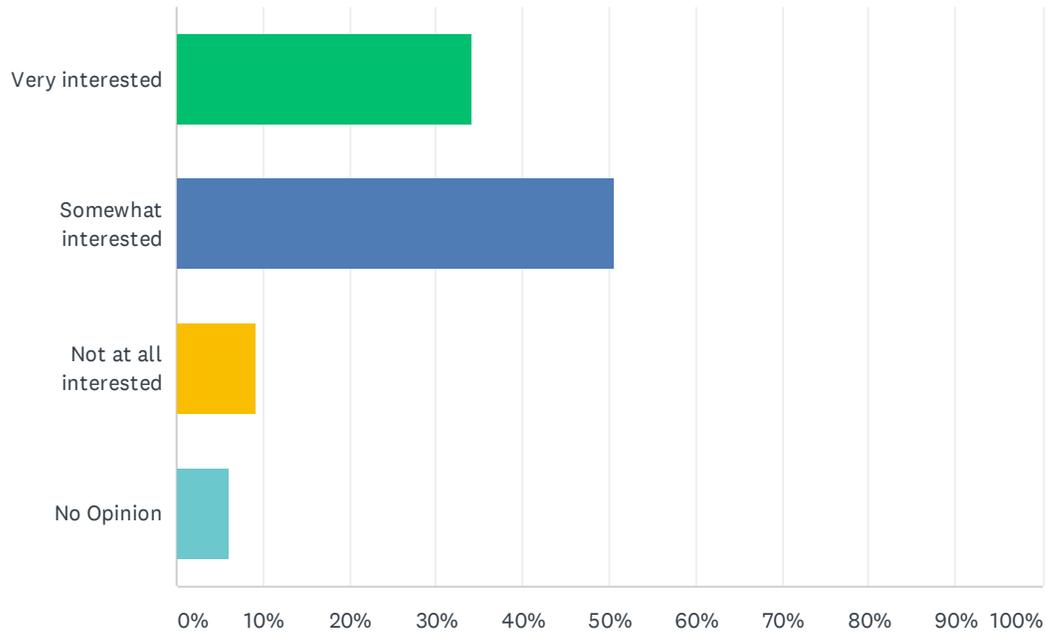
Answered: 1,091 Skipped: 51



ANSWER CHOICES	RESPONSES	
Strongly agree	9.53%	104
Moderately agree	45.74%	499
Neutral/Unsure	18.42%	201
Moderately disagree	18.33%	200
Strongly disagree	7.97%	87
TOTAL		1,091

Q5 How interested are you in learning more about using water efficiently?

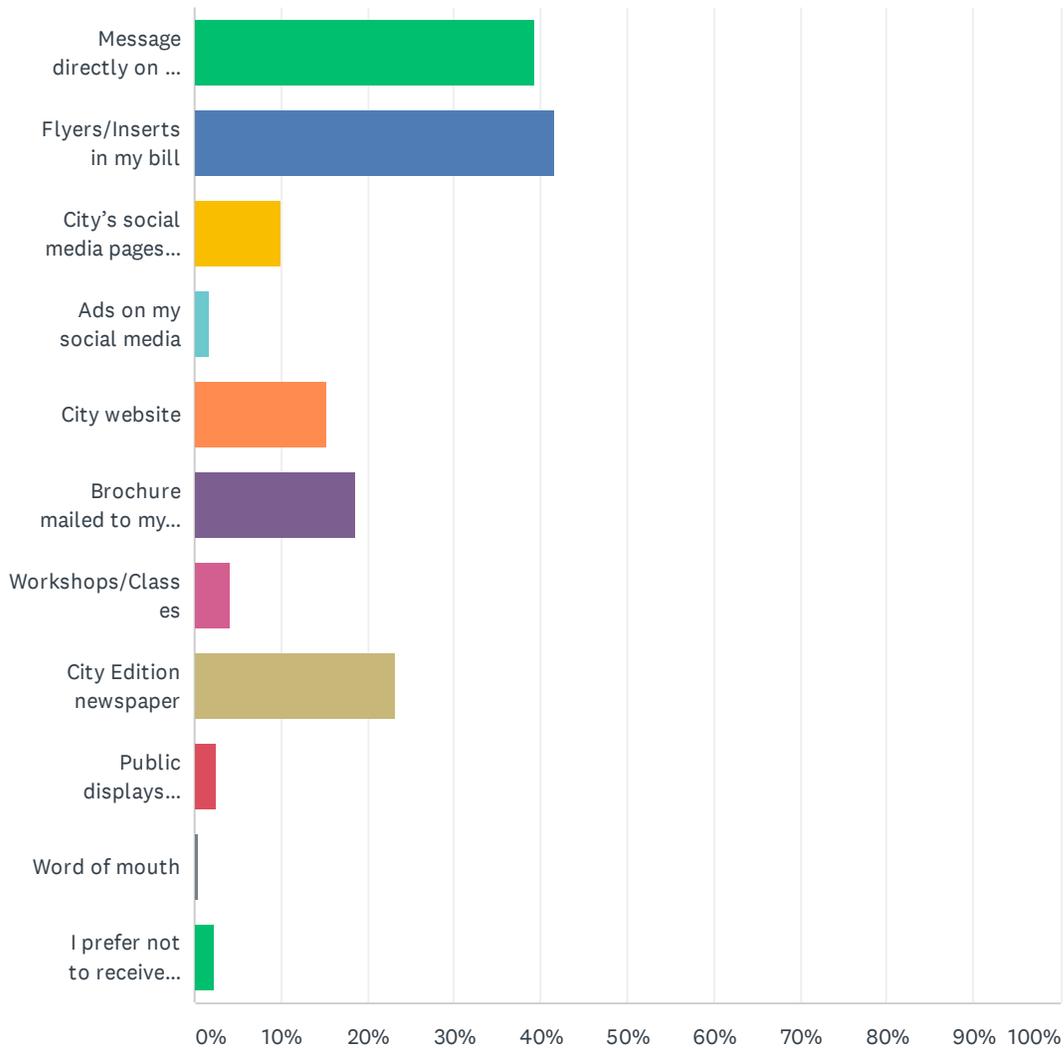
Answered: 1,091 Skipped: 51



ANSWER CHOICES	RESPONSES	
Very interested	34.01%	371
Somewhat interested	50.69%	553
Not at all interested	9.17%	100
No Opinion	6.14%	67
TOTAL		1,091

Q6 How do you prefer to get information about being water efficient from the City of Westminster? (select top 1 or 2)

Answered: 1,091 Skipped: 51

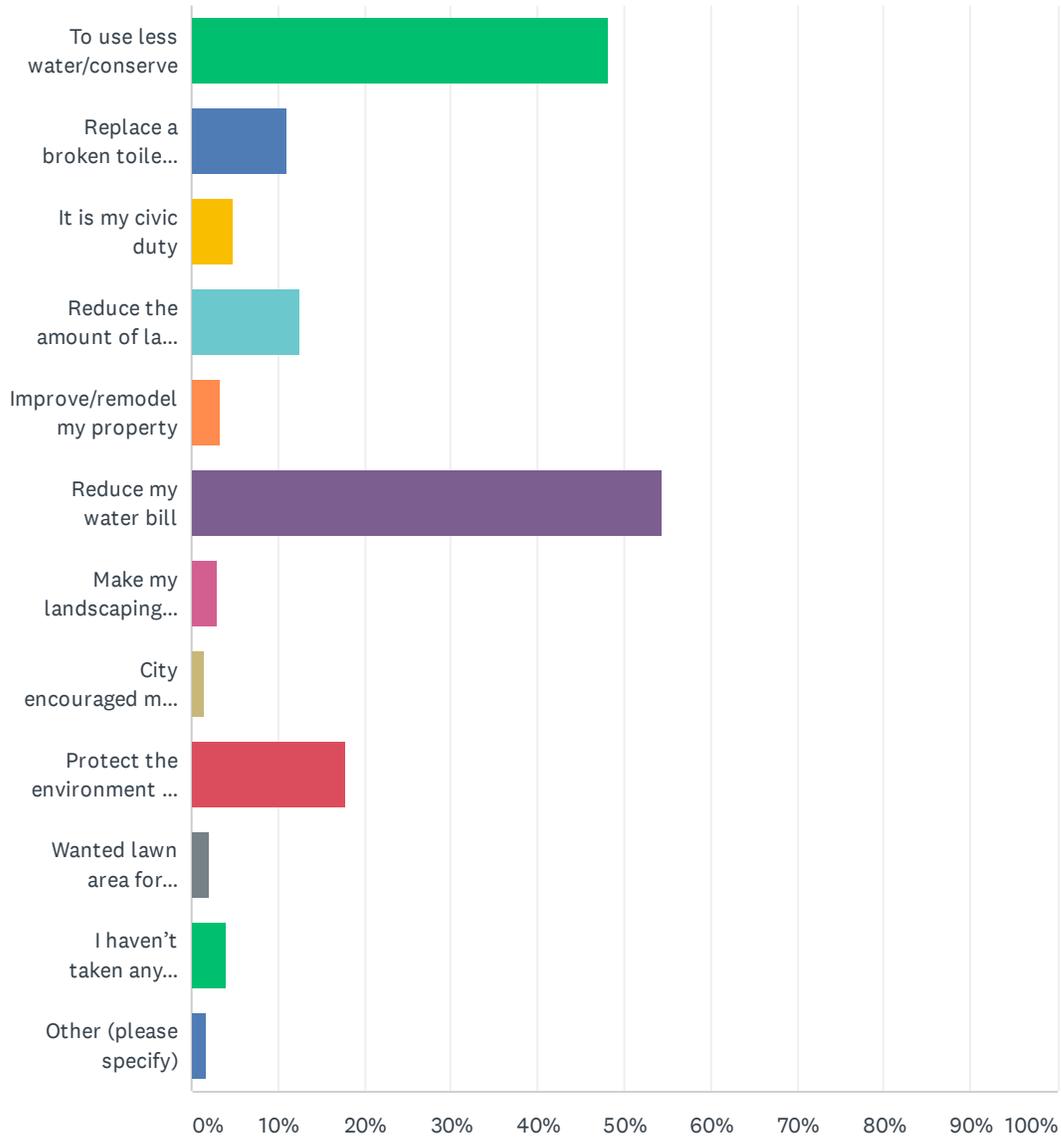


2020 Water Efficiency Plan Survey

ANSWER CHOICES	RESPONSES	
Message directly on my bill	39.32%	429
Flyers/Inserts in my bill	41.61%	454
City's social media pages (Facebook, Twitter, Instagram, Nextdoor)	9.99%	109
Ads on my social media	1.74%	19
City website	15.31%	167
Brochure mailed to my home (not included in my bill)	18.52%	202
Workshops/Classes	4.22%	46
City Edition newspaper	23.19%	253
Public displays (billboards/ads)	2.47%	27
Word of mouth	0.37%	4
I prefer not to receive information about saving water	2.20%	24
Total Respondents: 1,091		

Q7 If you have taken actions to become more water efficient in the past 5 years, what was your primary motivation? (select top 1 or 2)

Answered: 1,091 Skipped: 51

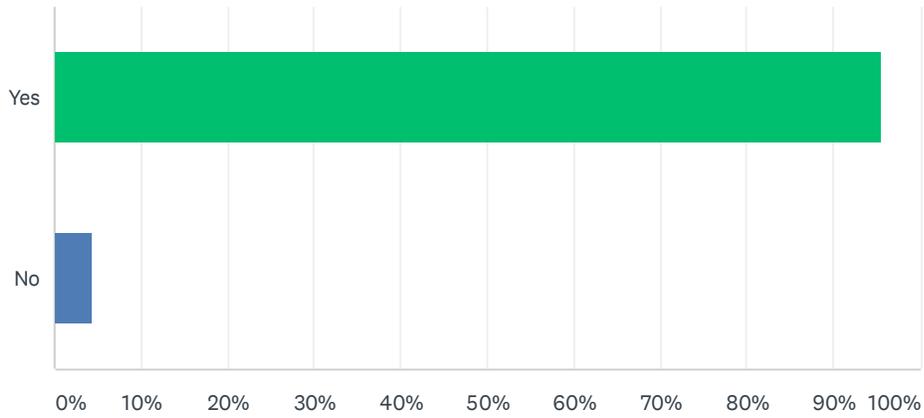


2020 Water Efficiency Plan Survey

ANSWER CHOICES	RESPONSES	
To use less water/conserve	48.03%	524
Replace a broken toilet or appliance	11.09%	121
It is my civic duty	4.77%	52
Reduce the amount of lawn or garden maintenance	12.47%	136
Improve/remodel my property	3.30%	36
Reduce my water bill	54.45%	594
Make my landscaping more attractive	2.84%	31
City encouraged me to save water	1.56%	17
Protect the environment for future generations	17.69%	193
Wanted lawn area for something else (like garden or patio)	2.02%	22
I haven't taken any actions to reduce water use	4.03%	44
Other (please specify)	1.74%	19
Total Respondents: 1,091		

Q8 Do you have a grass lawn at your home/complex/business?

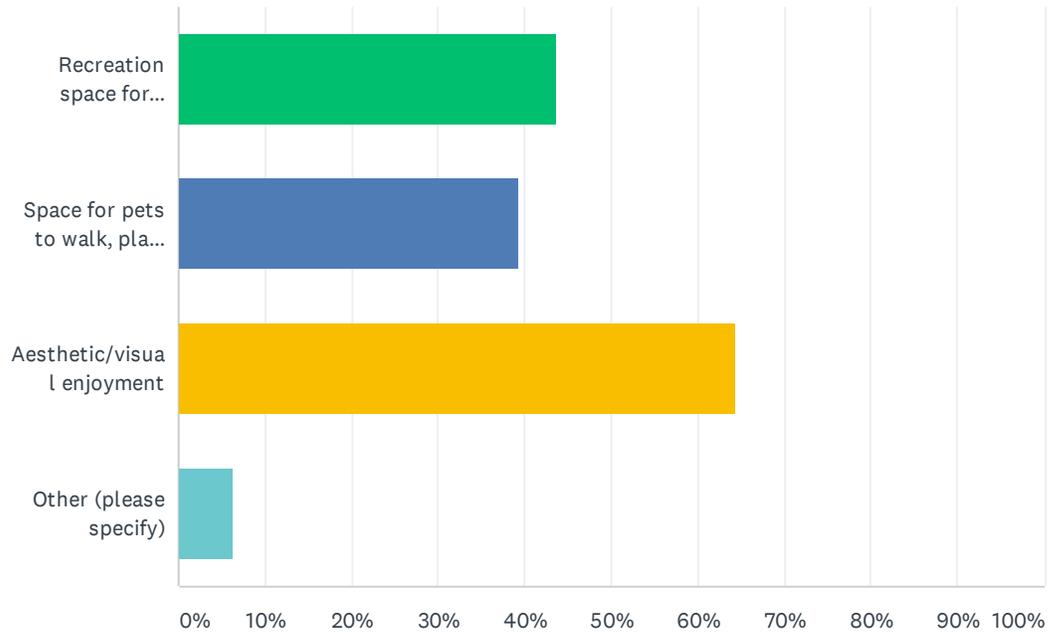
Answered: 1,091 Skipped: 51



ANSWER CHOICES	RESPONSES	
Yes	95.51%	1,042
No	4.49%	49
TOTAL		1,091

Q9 How do you use the lawn on your property?

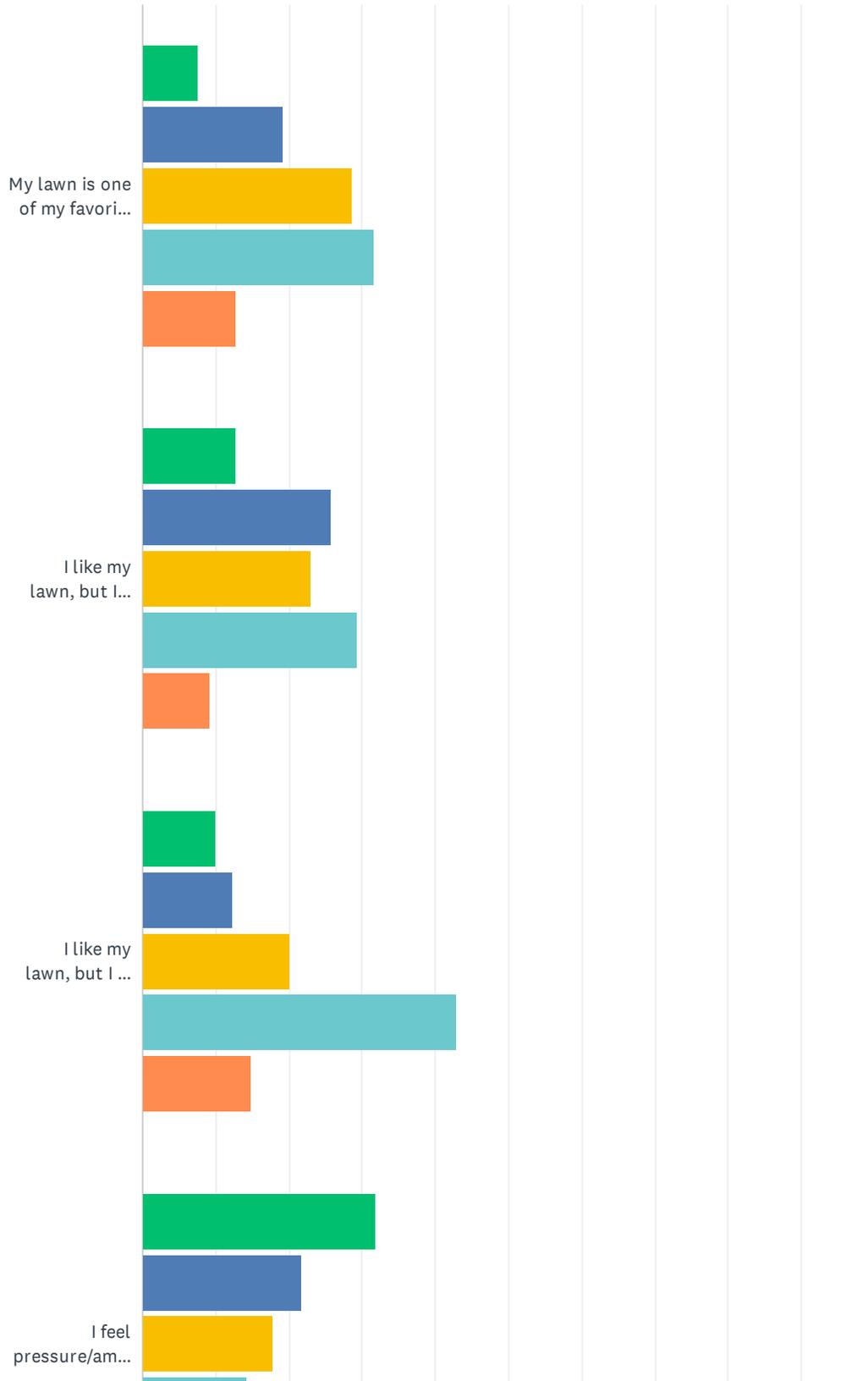
Answered: 1,013 Skipped: 129



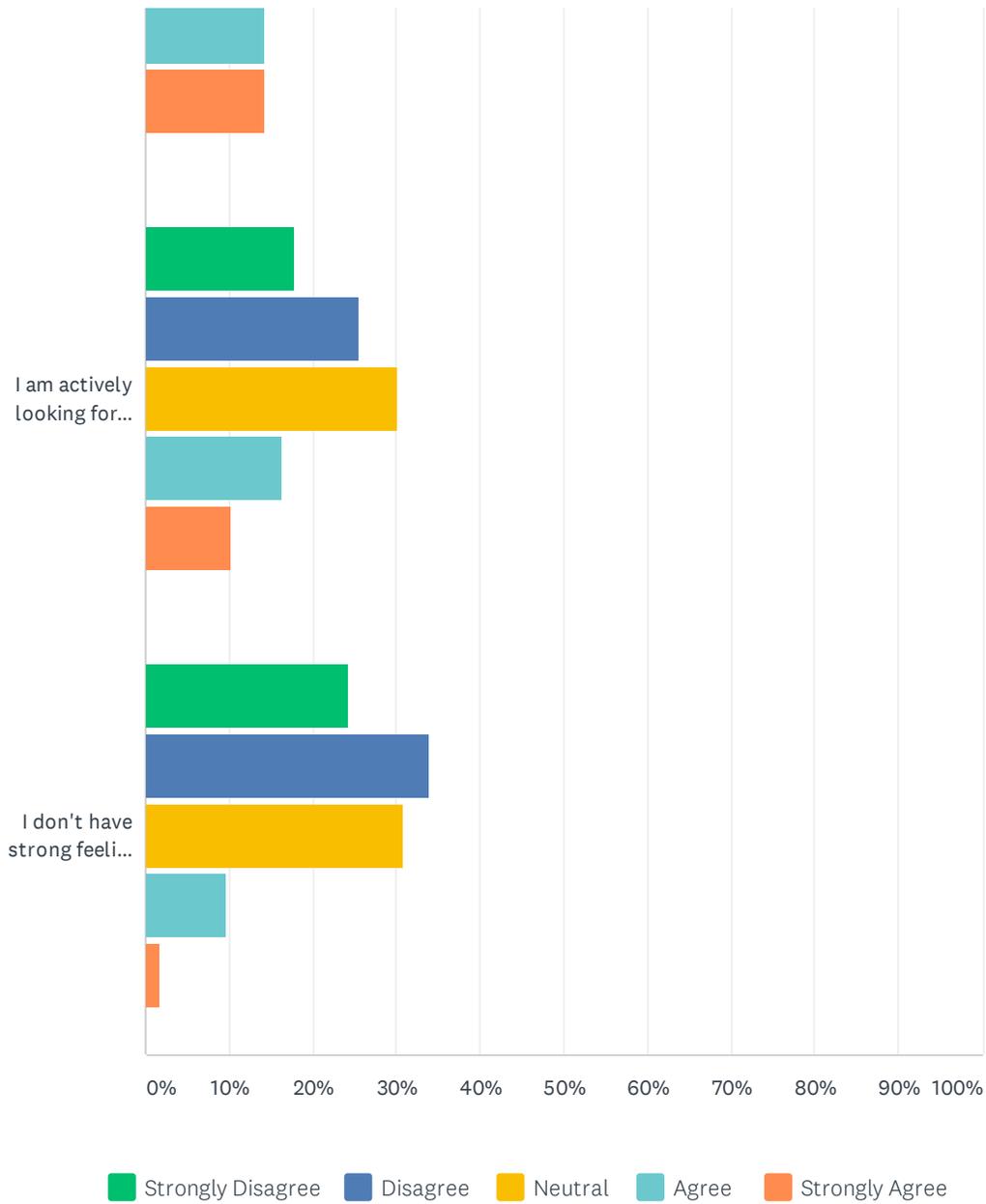
ANSWER CHOICES	RESPONSES	
Recreation space for household members	43.63%	442
Space for pets to walk, play, or do their business	39.39%	399
Aesthetic/visual enjoyment	64.46%	653
Other (please specify)	6.22%	63
Total Respondents: 1,013		

Q10 How much to do you agree/disagree with the following statements about your lawn?

Answered: 1,013 Skipped: 129



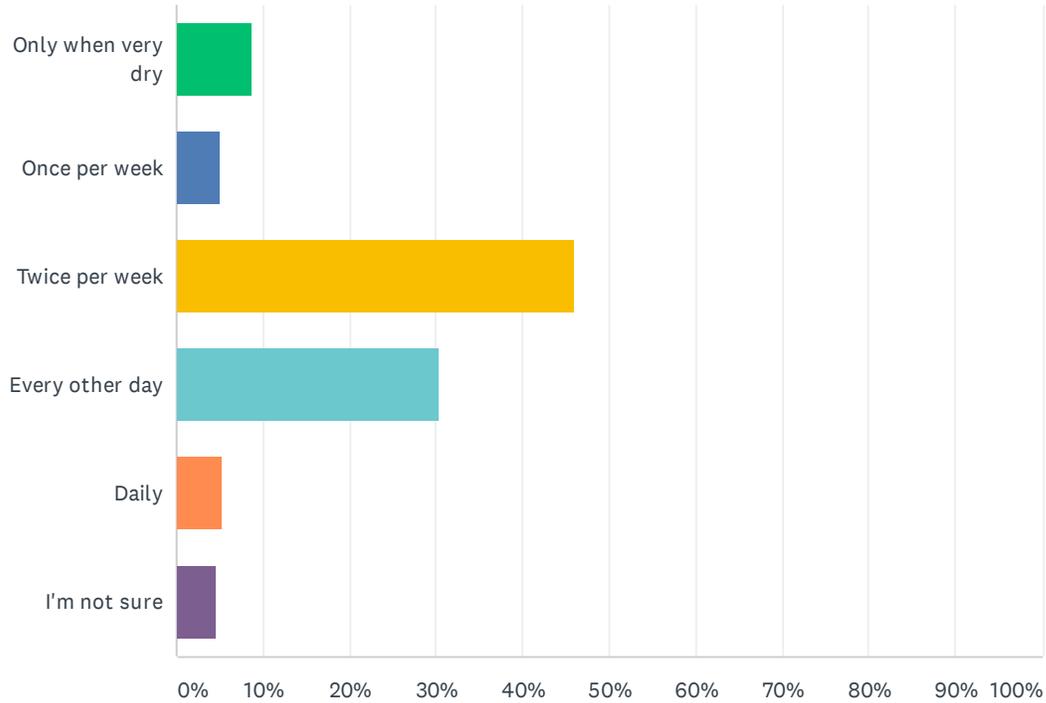
2020 Water Efficiency Plan Survey



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL
My lawn is one of my favorite features of my landscape and I don't desire to change it	7.60% 77	19.35% 196	28.73% 291	31.59% 320	12.73% 129	1,013
I like my lawn, but I wish I had a little less	12.73% 129	25.77% 261	23.00% 233	29.22% 296	9.28% 94	1,013
I like my lawn, but I am open to alternatives for all/some of it	9.97% 101	12.24% 124	20.04% 203	42.84% 434	14.91% 151	1,013
I feel pressure/am required to have a lawn from my neighborhood or HOA	31.89% 323	21.72% 220	17.87% 181	14.31% 145	14.22% 144	1,013
I am actively looking for ways or taking steps to reduce my lawn size	17.77% 180	25.57% 259	30.11% 305	16.29% 165	10.27% 104	1,013
I don't have strong feelings about my lawn one way or the other	24.19% 245	33.96% 344	30.70% 311	9.58% 97	1.58% 16	1,013

Q11 How often do you water your lawn during the summer months?

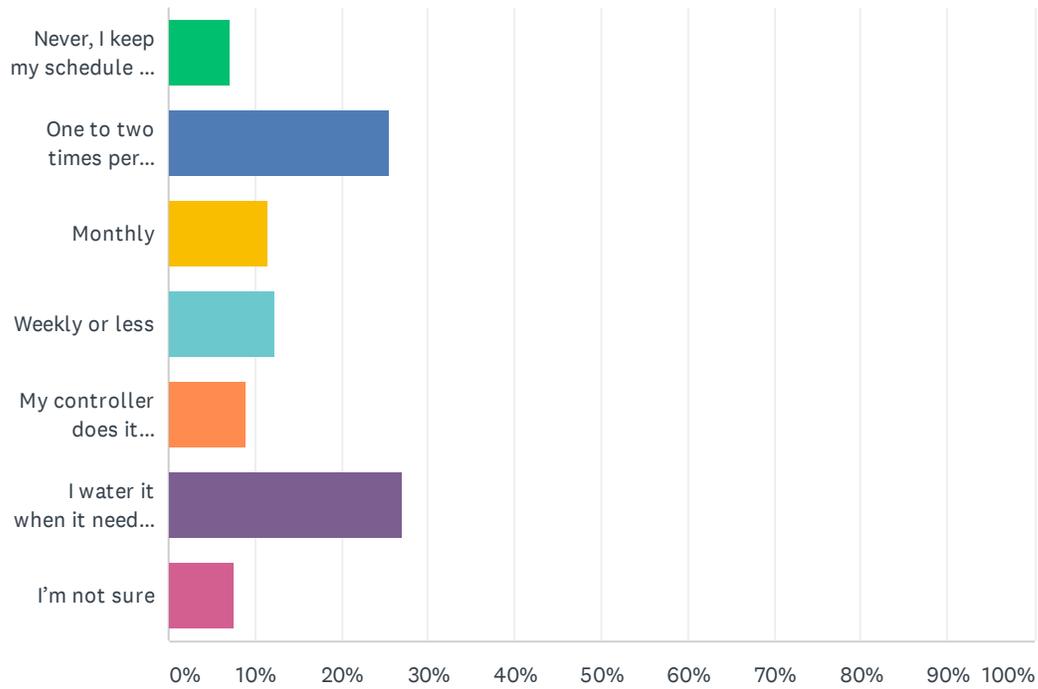
Answered: 1,013 Skipped: 129



ANSWER CHOICES	RESPONSES	
Only when very dry	8.69%	88
Once per week	5.03%	51
Twice per week	46.10%	467
Every other day	30.40%	308
Daily	5.23%	53
I'm not sure	4.54%	46
TOTAL		1,013

Q12 How often do you adjust your irrigation schedule during the watering season?

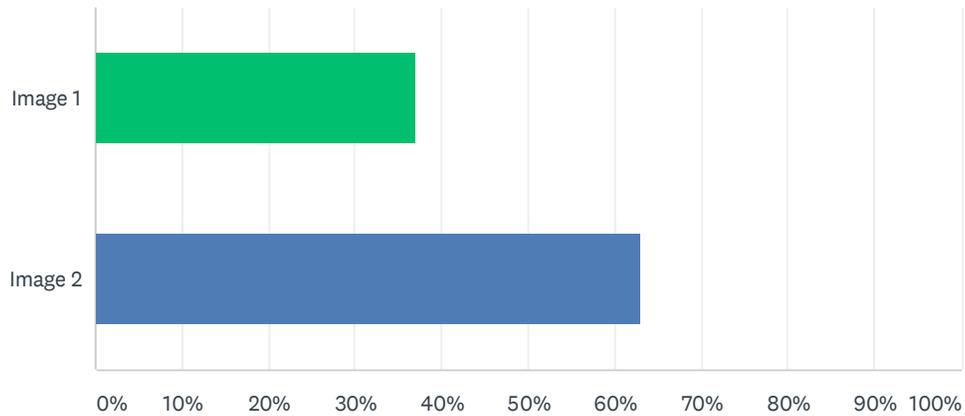
Answered: 1,013 Skipped: 129



ANSWER CHOICES	RESPONSES	
Never, I keep my schedule the same	7.01%	71
One to two times per season	25.57%	259
Monthly	11.55%	117
Weekly or less	12.24%	124
My controller does it automatically based on the weather	9.08%	92
I water it when it needs it	26.95%	273
I'm not sure	7.60%	77
TOTAL		1,013

Q13 Here are two pictures of water-wise landscaping in Colorado. Which one do you like better?

Answered: 1,013 Skipped: 129



ANSWER CHOICES	RESPONSES	
Image 1	37.12%	376
Image 2	62.88%	637
TOTAL		1,013

Image 1

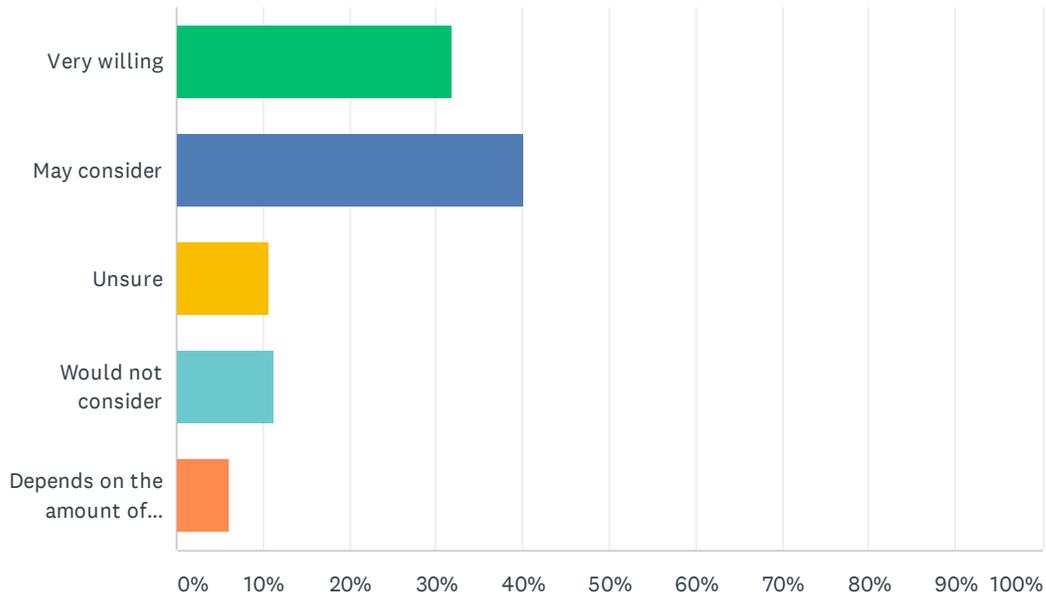


Image 2



Q14 If the city were to provide a financial incentive for adopting a water-wise landscape, how willing would you be to remove some or all of the lawn from your front yard?

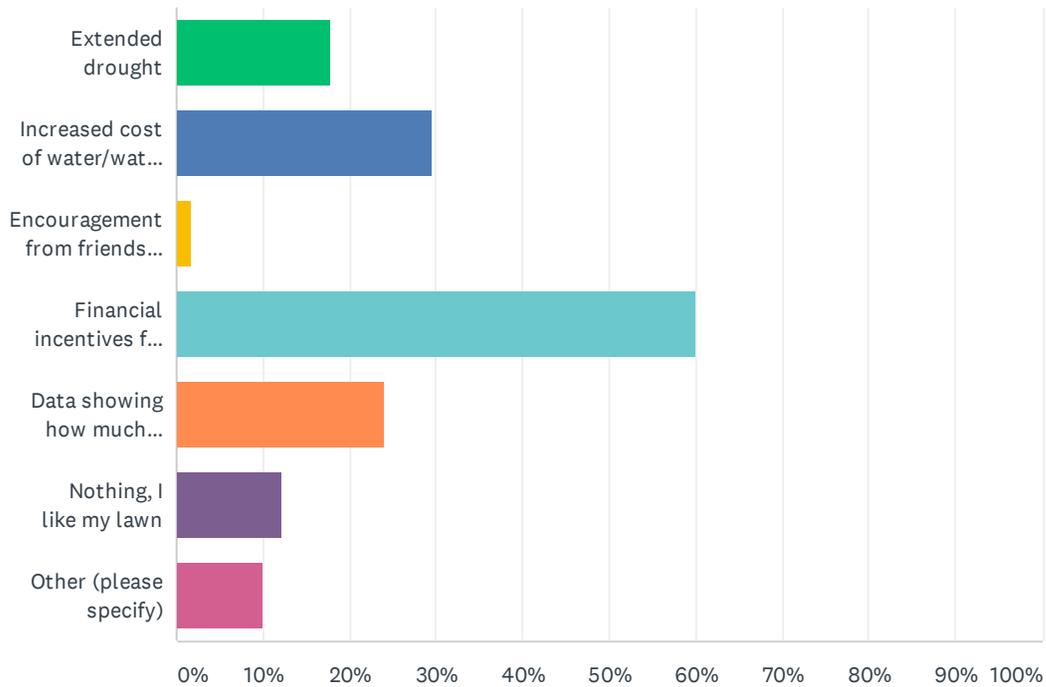
Answered: 1,013 Skipped: 129



ANSWER CHOICES	RESPONSES	
Very willing	31.79%	322
May consider	40.08%	406
Unsure	10.76%	109
Would not consider	11.35%	115
Depends on the amount of incentive	6.02%	61
TOTAL		1,013

Q15 Which of the following might cause you to reduce the amount of lawn on your property? (select top 1 or 2)

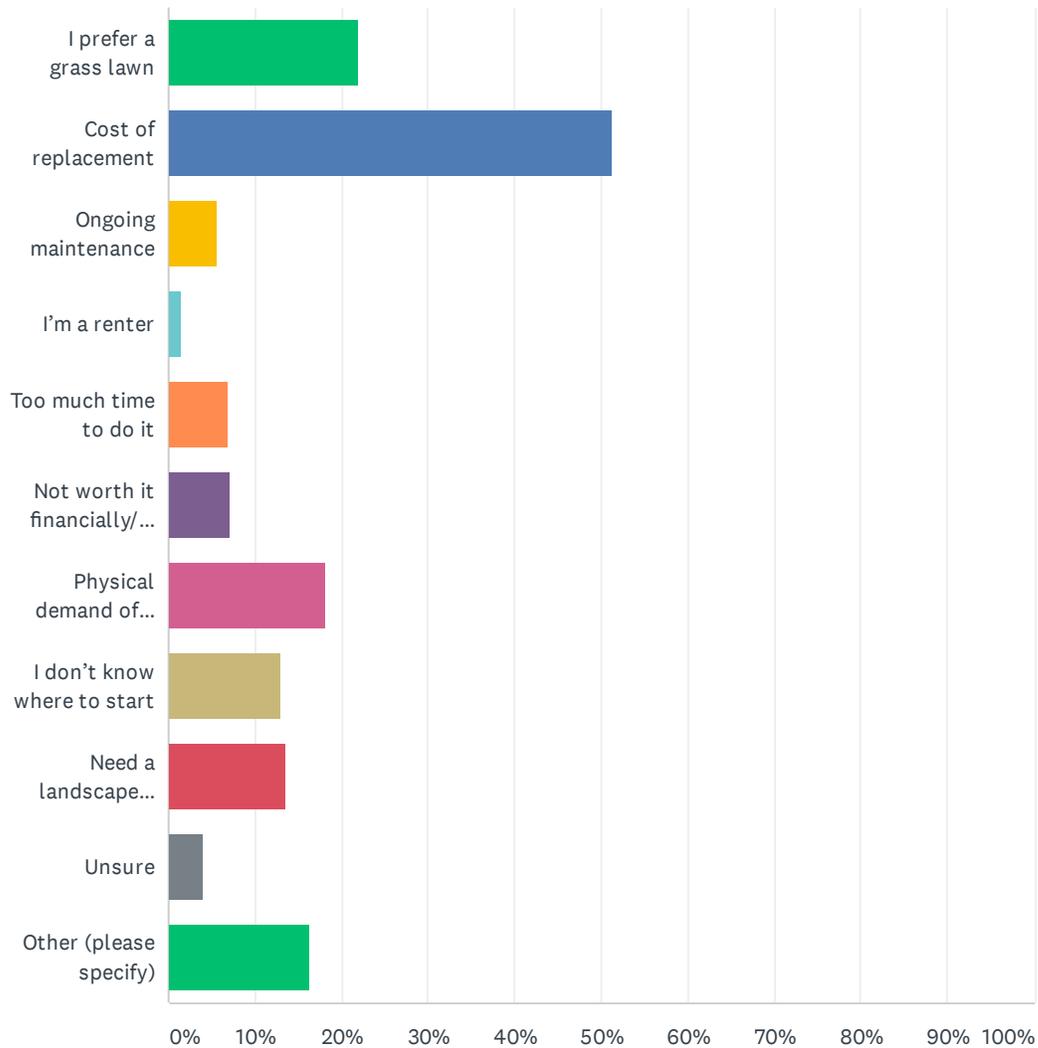
Answered: 1,013 Skipped: 129



ANSWER CHOICES	RESPONSES	
Extended drought	17.87%	181
Increased cost of water/water rates	29.52%	299
Encouragement from friends, family, or neighbors	1.58%	16
Financial incentives from the city	60.02%	608
Data showing how much particular actions could reduce my bill	23.99%	243
Nothing, I like my lawn	12.14%	123
Other (please specify)	9.97%	101
Total Respondents: 1,013		

Q16 What barriers are keeping you from replacing some or all of your lawn with water-wise landscaping? (select top 1 or 2)

Answered: 1,013 Skipped: 129



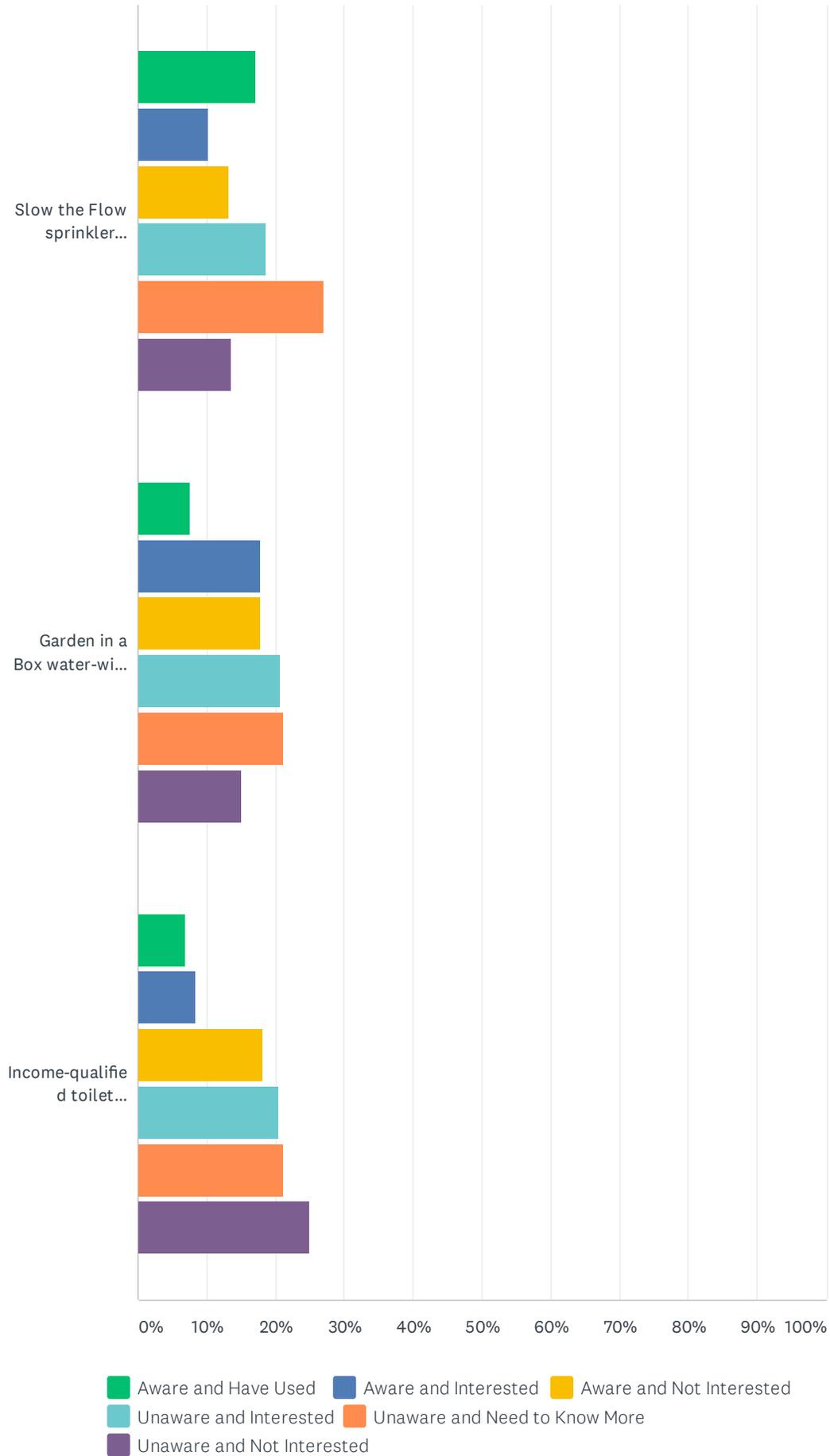
2020 Water Efficiency Plan Survey

ANSWER CHOICES	RESPONSES	
I prefer a grass lawn	22.01%	223
Cost of replacement	51.33%	520
Ongoing maintenance	5.73%	58
I'm a renter	1.38%	14
Too much time to do it	6.81%	69
Not worth it financially/my bill is not that high	7.21%	73
Physical demand of project	18.16%	184
I don't know where to start	12.93%	131
Need a landscape designer's recommendation	13.62%	138
Unsure	4.05%	41
Other (please specify)	16.39%	166
Total Respondents: 1,013		

Q17 What is your position on the following water saving programs the City currently offers?

Answered: 1,043 Skipped: 99

2020 Water Efficiency Plan Survey

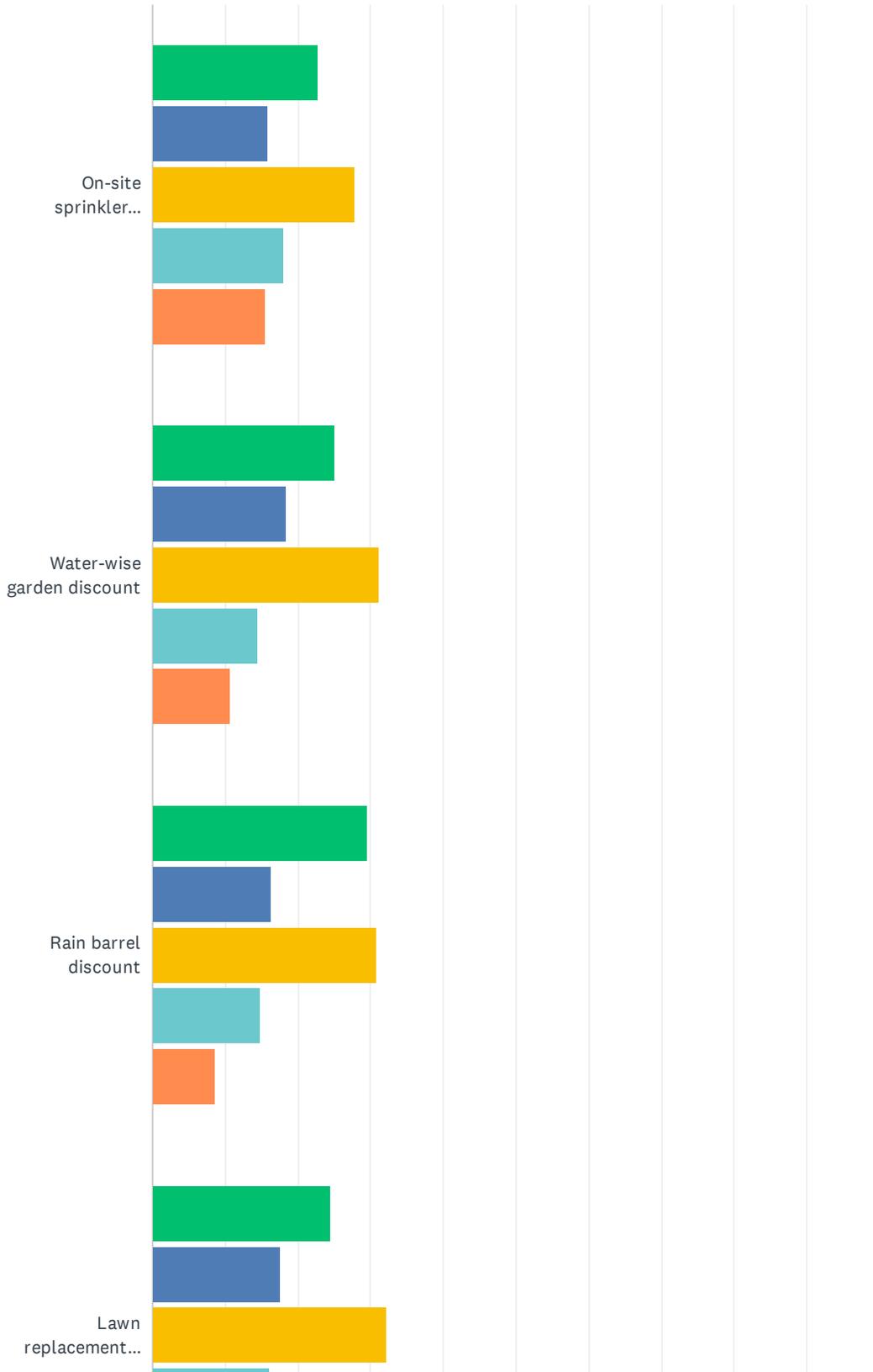


2020 Water Efficiency Plan Survey

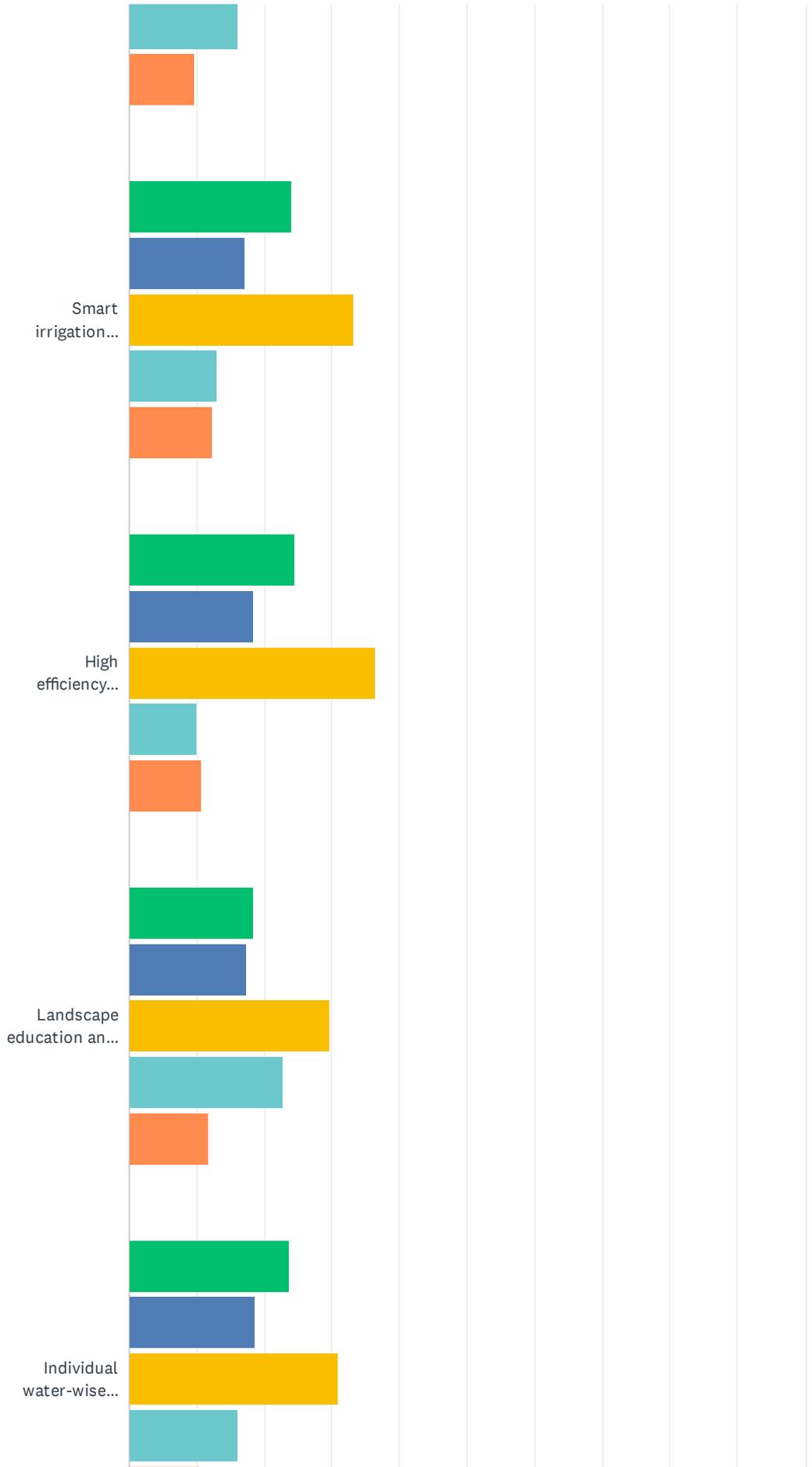
	AWARE AND HAVE USED	AWARE AND INTERESTED	AWARE AND NOT INTERESTED	UNAWARE AND INTERESTED	UNAWARE AND NEED TO KNOW MORE	UNAWARE AND NOT INTERESTED	TOTAL
Slow the Flow sprinkler system consultation	17.26% 180	10.26% 107	13.23% 138	18.70% 195	26.94% 281	13.61% 142	1,043
Garden in a Box water-wise garden discount	7.48% 78	17.74% 185	17.83% 186	20.71% 216	21.19% 221	15.05% 157	1,043
Income-qualified toilet replacement	6.81% 71	8.44% 88	18.12% 189	20.52% 214	21.19% 221	24.93% 260	1,043

Q18 Rate your potential willingness to participate in the following water efficiency programs?

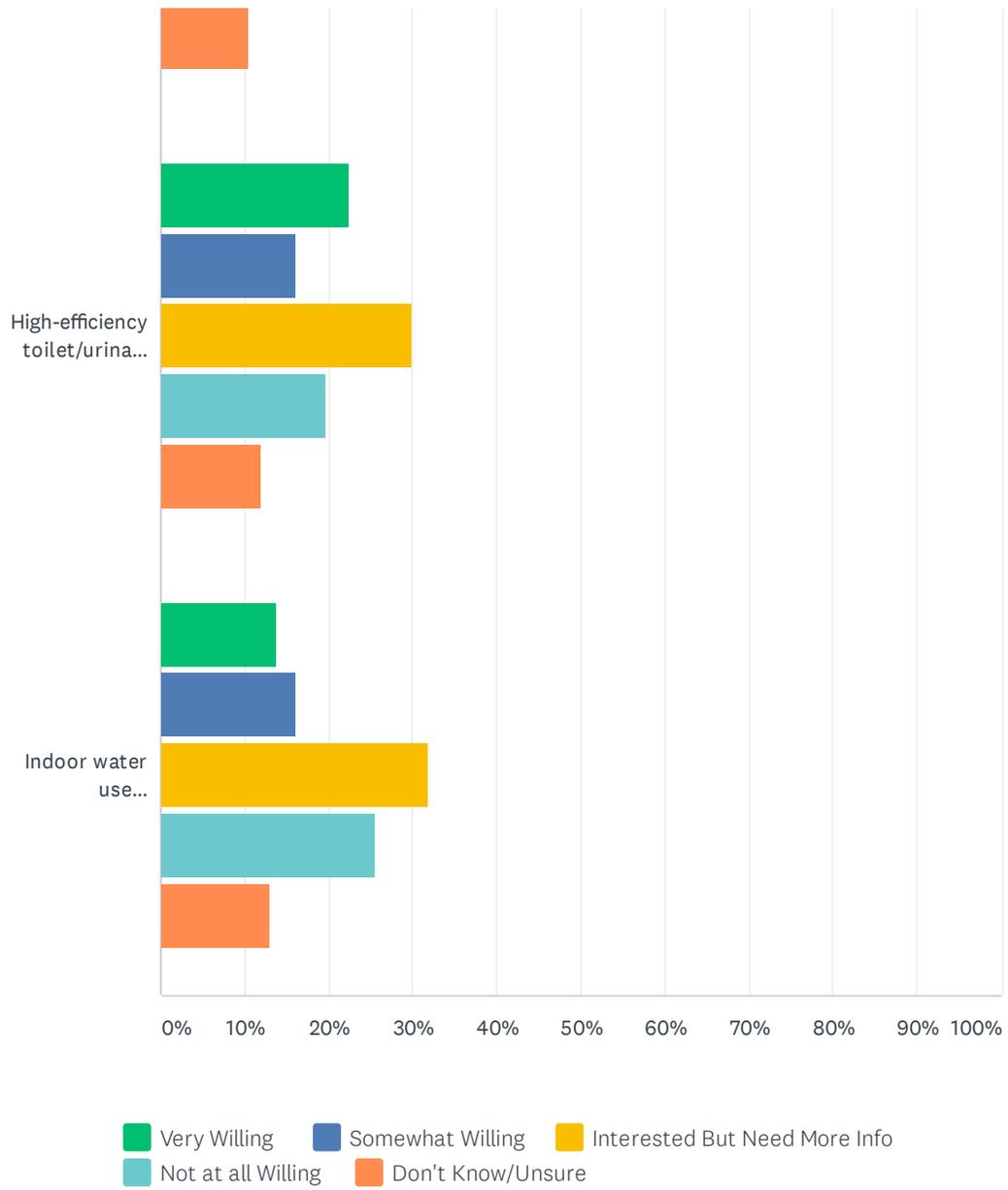
Answered: 1,043 Skipped: 99



2020 Water Efficiency Plan Survey



2020 Water Efficiency Plan Survey

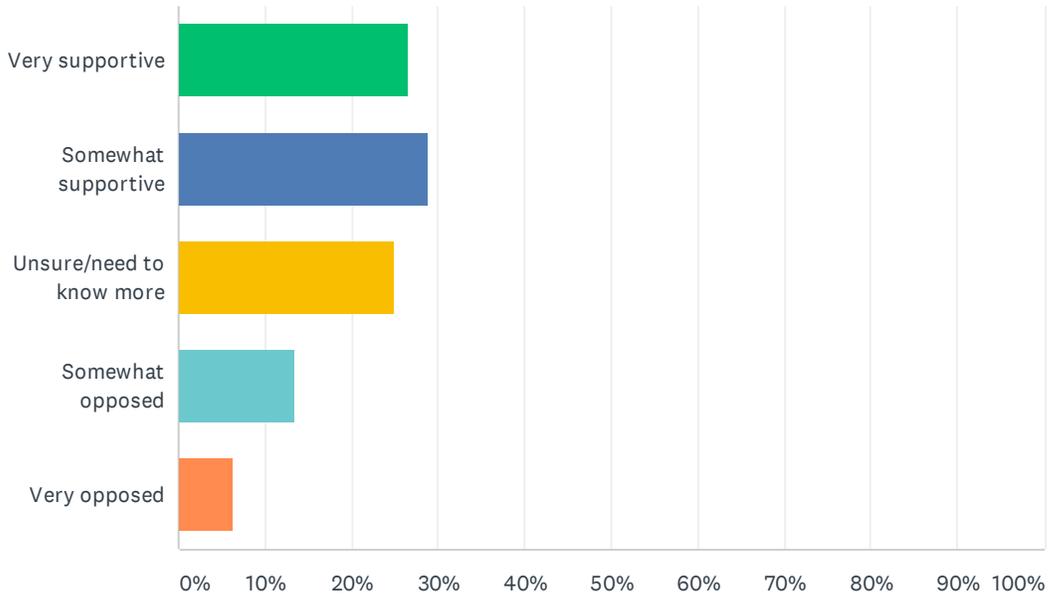


2020 Water Efficiency Plan Survey

	VERY WILLING	SOMEWHAT WILLING	INTERESTED BUT NEED MORE INFO	NOT AT ALL WILLING	DON'T KNOW/UNSURE	TOTAL
On-site sprinkler consultation	22.82% 238	15.82% 165	27.90% 291	18.02% 188	15.44% 161	1,043
Water-wise garden discount	25.12% 262	18.50% 193	31.16% 325	14.48% 151	10.74% 112	1,043
Rain barrel discount	29.53% 308	16.30% 170	30.68% 320	14.96% 156	8.53% 89	1,043
Lawn replacement incentive program	24.45% 255	17.55% 183	32.31% 337	16.01% 167	9.68% 101	1,043
Smart irrigation controller discount	24.16% 252	17.16% 179	33.27% 347	13.04% 136	12.37% 129	1,043
High efficiency irrigation nozzle discount	24.54% 256	18.31% 191	36.34% 379	10.07% 105	10.74% 112	1,043
Landscape education and design group workshop	18.31% 191	17.45% 182	29.72% 310	22.82% 238	11.70% 122	1,043
Individual water-wise landscape consultation	23.59% 246	18.70% 195	31.06% 324	16.20% 169	10.45% 109	1,043
High-efficiency toilet/urinal upgrade	22.44% 234	16.11% 168	29.91% 312	19.65% 205	11.89% 124	1,043
Indoor water use consultation	13.71% 143	16.01% 167	31.74% 331	25.60% 267	12.94% 135	1,043

Q19 To support the city’s ongoing efforts to be responsible stewards of a scarce resource and use water efficiently, we are changing irrigation practices to better align with the amount of active use an area receives. For example, high-use athletic fields will receive the highest amount of water while neighborhood parks, medians, and greenbelts will each get respectively less water. How supportive are you of this initiative?

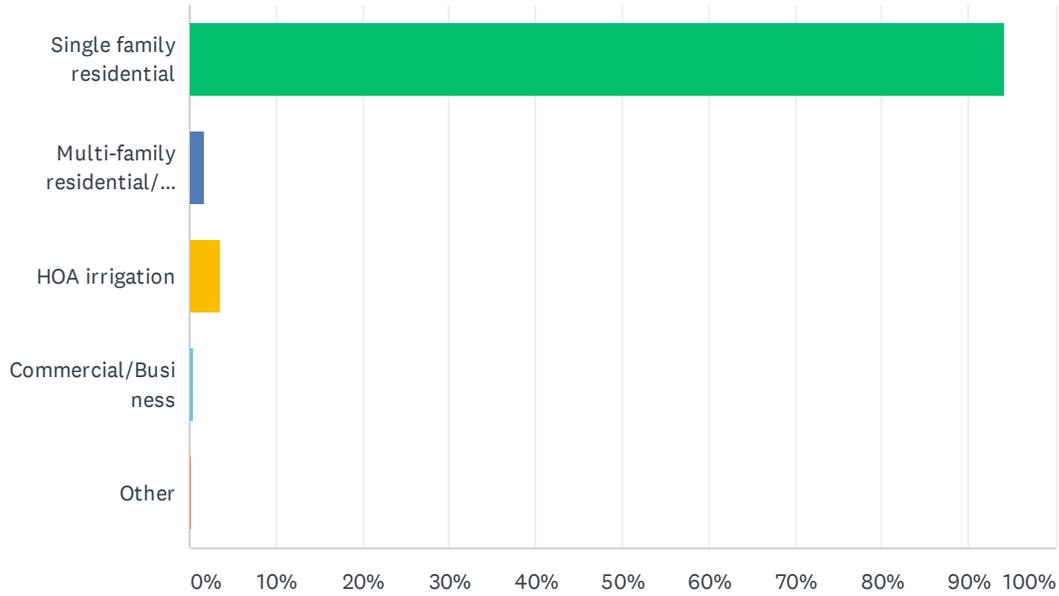
Answered: 1,043 Skipped: 99



ANSWER CHOICES	RESPONSES	
Very supportive	26.56%	277
Somewhat supportive	28.95%	302
Unsure/need to know more	24.83%	259
Somewhat opposed	13.33%	139
Very opposed	6.33%	66
TOTAL		1,043

Q20 What type of water customer are you?

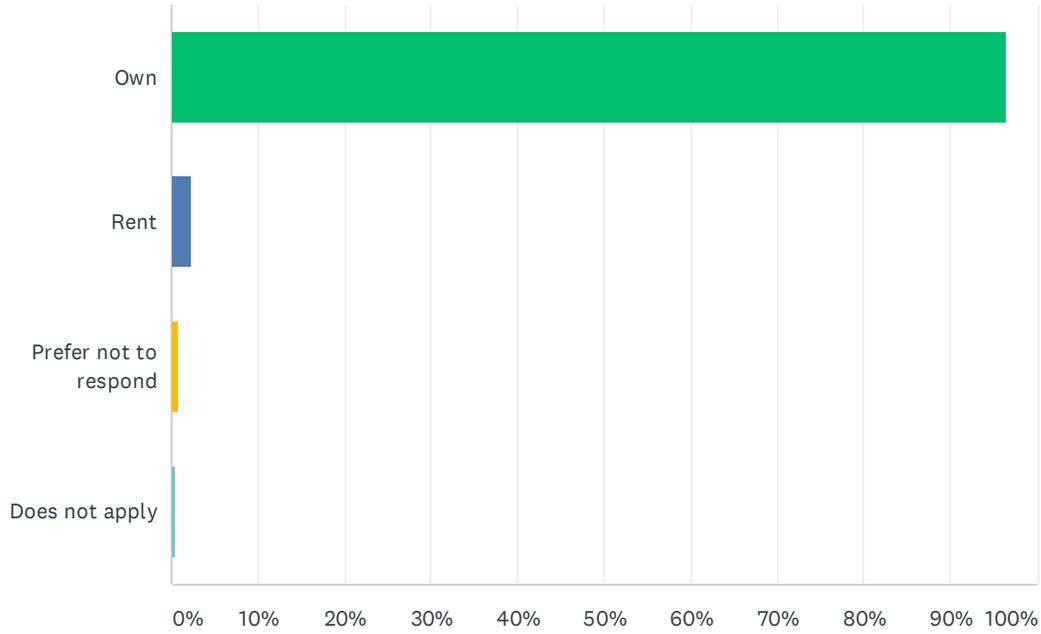
Answered: 1,042 Skipped: 100



ANSWER CHOICES	RESPONSES	
Single family residential	94.15%	981
Multi-family residential/apartment/condo	1.63%	17
HOA irrigation	3.65%	38
Commercial/Business	0.38%	4
Other	0.19%	2
TOTAL		1,042

Q21 Do you own or rent your home?

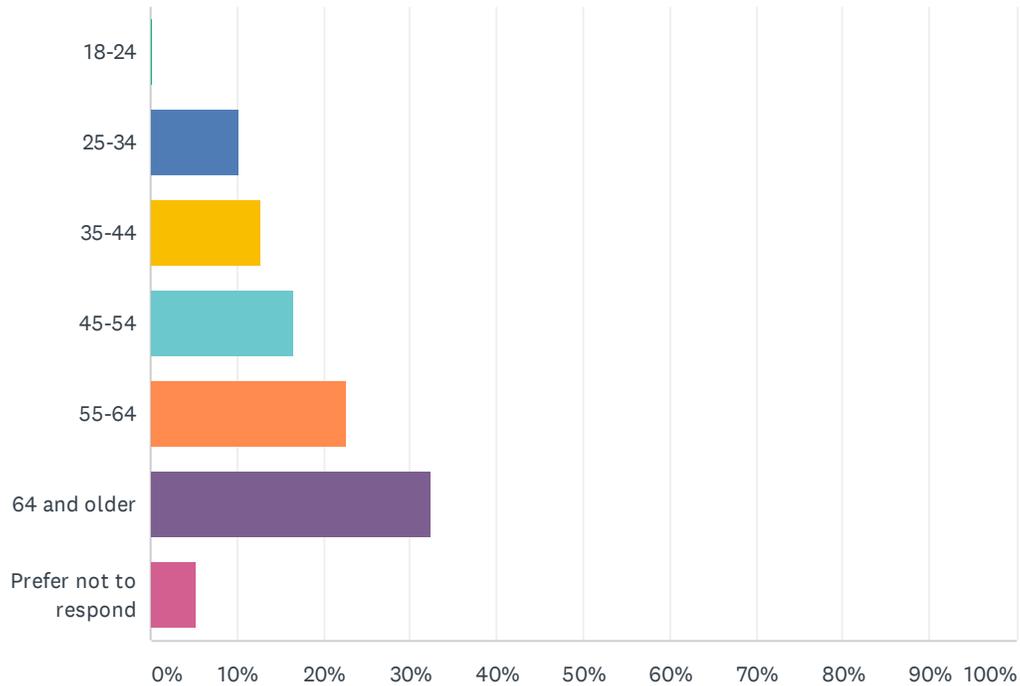
Answered: 1,042 Skipped: 100



ANSWER CHOICES	RESPONSES	
Own	96.45%	1,005
Rent	2.30%	24
Prefer not to respond	0.77%	8
Does not apply	0.48%	5
TOTAL		1,042

Q22 In which of the following age groups do you belong?

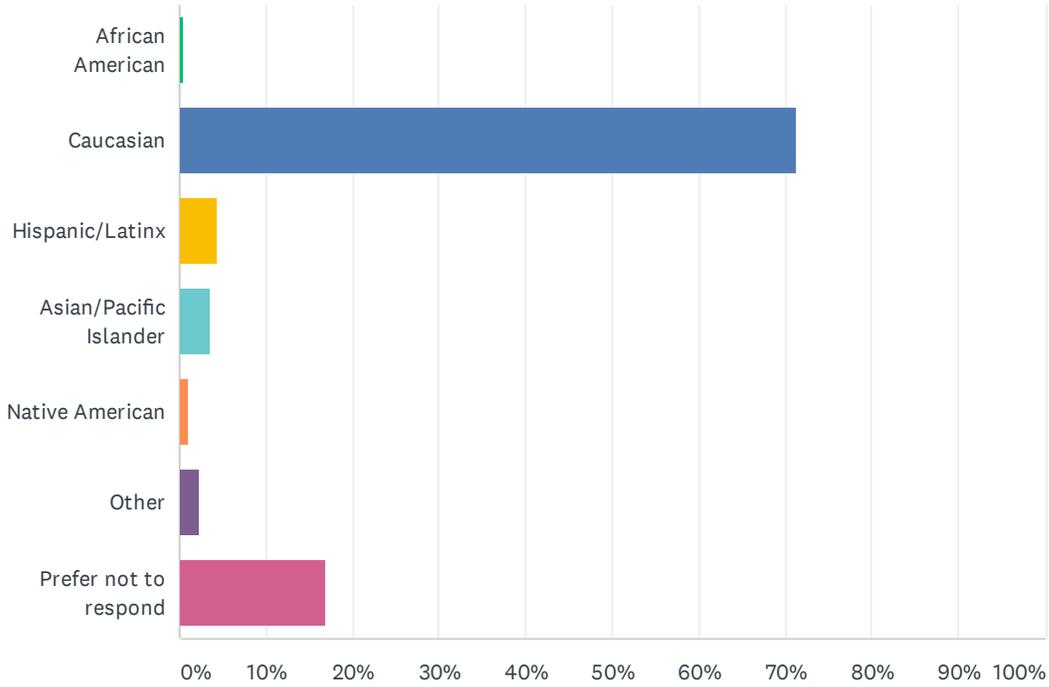
Answered: 1,042 Skipped: 100



ANSWER CHOICES	RESPONSES
18-24	0.19% 2
25-34	10.27% 107
35-44	12.86% 134
45-54	16.51% 172
55-64	22.65% 236
64 and older	32.34% 337
Prefer not to respond	5.18% 54
TOTAL	1,042

Q23 What is your ethnic background?

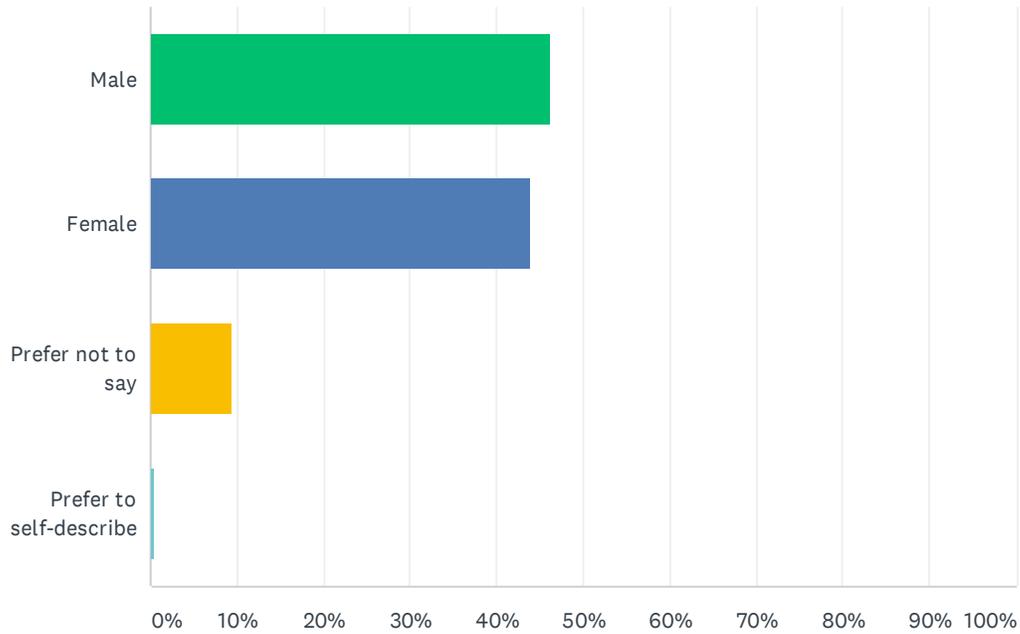
Answered: 1,042 Skipped: 100



ANSWER CHOICES	RESPONSES
African American	0.48% 5
Caucasian	71.40% 744
Hispanic/Latinx	4.32% 45
Asian/Pacific Islander	3.45% 36
Native American	1.06% 11
Other	2.30% 24
Prefer not to respond	16.99% 177
TOTAL	1,042

Q24 What best describes your gender?

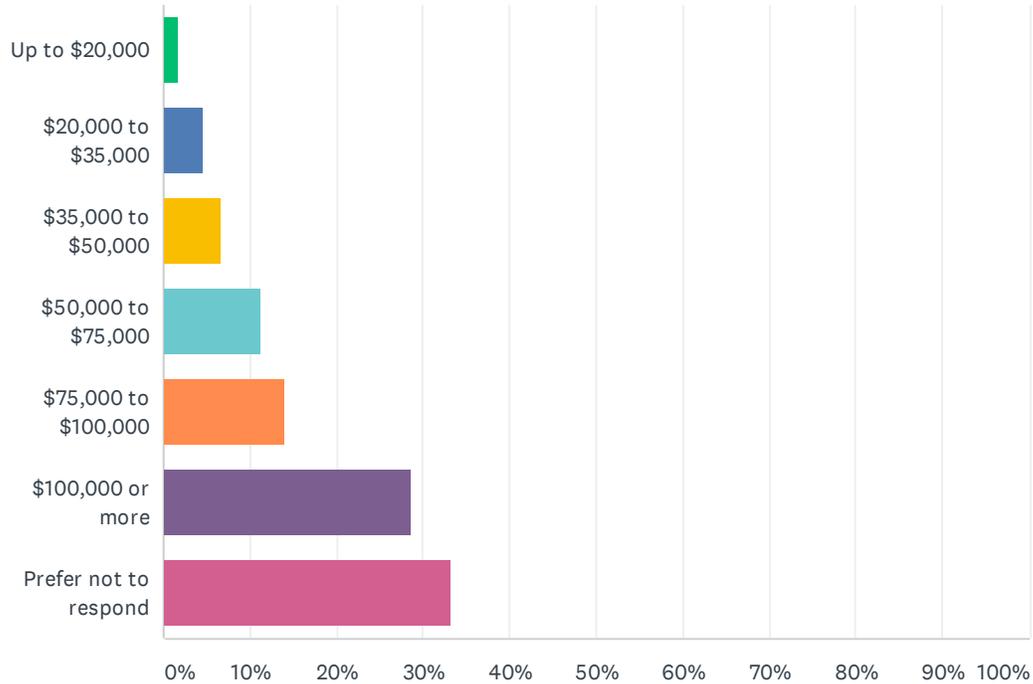
Answered: 1,042 Skipped: 100



ANSWER CHOICES	RESPONSES	
Male	46.16%	481
Female	43.95%	458
Prefer not to say	9.40%	98
Prefer to self-describe	0.48%	5
TOTAL		1,042

Q25 What is your total annual household income?

Answered: 1,042 Skipped: 100



ANSWER CHOICES	RESPONSES	
Up to \$20,000	1.73%	18
\$20,000 to \$35,000	4.51%	47
\$35,000 to \$50,000	6.72%	70
\$50,000 to \$75,000	11.32%	118
\$75,000 to \$100,000	13.92%	145
\$100,000 or more	28.60%	298
Prefer not to respond	33.21%	346
TOTAL		1,042

Q26 Please complete the following if you would like a \$5 rebate on your water bill for completing the survey:

Answered: 974 Skipped: 168

ANSWER CHOICES	RESPONSES	
First Name	100.00%	974
Last Name	100.00%	974
Address	100.00%	974
Zipcode	100.00%	974
Account Number (0 0 _ _ _ _ _ _ ...found on bill)	100.00%	974
Customer Number (0 1 _ _ _ _ _ _ ...found on bill)	100.00%	974
Email	100.00%	974
Phone Number	100.00%	974

7.2 PUBLIC NOTIFICATIONS

LEGAL NOTICE

OF PUBLIC COMMENT City of Westminster

A sixty (60) day Public Comment Period will open for the City of Westminster's updated Water Efficiency Plan on Thursday, August 6, 2020, and run through Monday, October 5, 2020. The City updated its current water conservation and efficiency plan pursuant to State Law and is seeking customer input. The plan is designed to promote efficient water use by all customers and ensure a long-term, secure water supply. The plan contains information on the City's historic water use, water infrastructure systems, and lists all current and future water saving programs. The plan is available and comments may be submitted on the City's website:

<https://www.cityofwestminster.us/Residents/Water/Conservation/WaterEfficiencyPlan>.

**All comments must be received by
Monday, October 5, 2020.**

Legal Notice No. 705593
First Publication: August 6, 2020
Last Publication: August 13, 2020
Publisher: Westminster Window

[Samples of social media posts.](#)

7.3 PUBLIC COMMENTS

7.3.1 Social Media

FaceBook Feb 20, 2020

City of Westminster, Colorado - Government

February 11 at 4:03 PM

Westminster is updating its Water Conservation and Efficiency Plan.

This vital roadmap helps the city plan for saving water, lists the programs we will undertake over the next five years and documents past successes.

We need your input to design the best water conservation/efficiency programs for residents and businesses! All water customers are eligible to receive one \$5 credit on their utility bill per household for completing the survey.

<https://www.cityofwestminster.us/watersurvey>



<thumbs up> 90

40 Comments 16 Shares

Alli Widder I'm so onboard with any lawn replacement incentive! I'm over seeding my lawn with clover this spring, have already xeriscaped the back with the Garden in a Box program and hope to slowly transition the front from lawn to garden. Thanks Westy!

Tom Schneider Alli Widder Isn't that special the church lady would say!!! For seniors struggling to pay bills and keep their homes don't have this option!!!! You must be the "Goody Two Shoes" generation!!!

Danyelle Claire Alli Widder wow you are doing something nice and a troll has to come in and spew a bunch of garbage that has nothing to do with it. Don't bother responding to them. It is literally never worth your time. Great job on your lawn!

Ricki Simon Sorry, this isn't an issue about trolls. Those of you debasing negative reactions are not retired seniors on a fixed income who cannot afford all these progressive investments. And before you reply with "OK Boomer", you will be in our shoes one day.

Tom Schneider Danyelle Claire you sure have thin skin Danyelle. You must be from the Goody Two Shoes generation as well. I don't consider myself a troll or spewing garbage!! I am an intelligent 78 year old woman. Trying to make ends meet and living a good life.

Joe Reigle I'm so pissed right now! You're telling me, you people raised our bills and told us it's going up again next year. And now you need OUR opinions AND you're going to PAY us for them? All you overpaid, pampered butt, 4 days a week working suckers can't come up with a good plan to save water!? And you think the public

has any idea or education on the subject? That's exactly what we are paying you people to do! You come up with the plan! And do it yesterday! Holy crap! If I don't use any water and just let the grass die, you pigs will come give me a ticket for dead grass!? Our tax's has to pay someone to sit on their butt and make this stupid advertising, I know exactly where we can save some money and it starts inside the Westminster city building! We don't need people that can't work 5 days a week, or can't figure out our water plan, or spending our money on geothermal????

Martin Anderson Large lawn irrigation systems employed at perimeters around athletic fields, public buildings and shopping centers such as the one at Wads and 100th, need to set up so that watering does do not take place amidst rainy days. When it rains at my house I go out and turn the system off manually. Does this technology exist?

Richard Esala I do not live in Westminster but have to use their water as they bought out the small water district . I have no say and have to pay what ever they want. I will be forced to put in gravel where my lawn was. The water is so bad it would cost me a fortune to water it and it would still turn brown. Stuck between a rock and a hard place!

Linda Nelson Stop building high rises and using the water we have had the privilege of using all these years! Way too much growth, traffic, etc here now!

Linda Nelson I also do not want a yard that looks like it should be in Arizona!!!!

Jill Asb Linda Nelson please plan to speak out at the telephone townhall on Feb 27.

Grant Arnold How about you stop with the high density multi family housing that is straining our water and sewer pipes?

Elizabeth Rowland-Riddell Oh Jesus Christ here we go again. Here's \$5 and we'll more than triple your water costs again this year. Bend over and take it. I wish we had never bought a house here in Westminster.

Tami Masero How about charge the new building projects more for water instead of making all of us pay for it! People who have lived here for years don't want all this building and the problems that come with it. Keep your 5 dollars(or should I say my 5 dollars from my higher water bill!?)

Jill Asb Tami Masero please plan to speak out at the telephone townhall on Feb 27

Tamara Loggan How about The City of Westminster not allowing every developer to build in our city!

Jill Asb Tamara Loggan please plan to speak out at the telephone townhall on Feb 27.

Tamara Loggan Jill Asb I tried to vote out the previous council but it didn't work. In my book, they have no planning aptitude!

Joe Caputa I have lived in my house for the last 30 years. I have seen my water bill at this time of the year in the last 12 years go from less than \$10 a month to now \$90 a month. Don't let them kid you.

Jill Asb Joe Caputa please plan to speak out at the telephone townhall on February 27.

Joe Caputa Jill Asb 🗣️

Jaroslav F. Pardubicky I was surprised by bill for one month last year. Why? We have installed new high efficiency showers, dual flash toilets a top of it we where on vacation for 11 days (no one in the house) and did not use irrigation system at all. Yet city charge as even for overuse. Residents have no any possibility/chance to access the reading, so they charge what ever they can. That is wrong.

Jill Asb Jaroslav F. Pardubicky speak out at the telephone townhall Feb. 27

Jeanne Fries Hopefully they don't reduce out water pressure as well, like California did! My niece just moved from there! Couldn't even rinse the soap out of her hair!

Joan Jones Jeanne Fries They constrict the water at the meter. Even though you are supposed to receive 3/4 flow, the output valve is only 3/8

Jeanne Fries Joan Jones here or in San Diego? So when replaced will it stay the same water pressure?

Linda Crump One way the city could conserve water is the most obvious. Stop overbuilding.

Jill Asb Linda Crump please choose to speak out at the telephone townhall meeting on Feb 27.

Roger Schrecongost Continued growth is only going to put more strain on water resources. Enough?

Jill Lewis I appreciate the city's continuing effort to reduce water use. I would prefer to have the ability to make my comments to the city by email. As far as I can tell, my options are 1) to respond by phone. A phone call is inefficient for lengthy comment - or 2) use Access "leaderboard" or FB - I am not interested in social media. I am not publishing my opinion for the world, I just want to communicate with the Water Department. Anyway, I took the city survey on water conservation. I had three concerns with the survey itself. 1) Re. water conservation programs. I could only select from a range of "interested" or "not interested", when in fact I "already did this". 2) Even though I can go without the \$5 rebate, I had to give my account info in order to submit the survey. (BTW, Is this because the answers will be correlated with the demographics & water use of the respondent)? 3) Some of my concerns about water wise landscaping were not covered by the survey. The "other" answer option did not seem applicable and there was no space for additional comments at the end. My concerns are 1) Switching additional parts of my yard to a water wise one will require me digging up and replacing my current irrigation system. Costly and time consuming (this was partly addressed) 2) I believe that water wise landscaping will take more time to maintain than grass. 3) I have been told that replacing the landscaping on my HOA perimeter requires a change to the development's master plan, a legal document approved by the city, which, approved or not, takes many months. (The survey did acknowledge HOA rules preventing homeowners from replacing grass lawns). 4) Sports fields/Golf courses. It was stated that sports fields would be watered more than parks/open space due to high traffic. a) has the city already replaced turf on sports fields & parks with lower maintenance, lower water needs turf? b) what about golf courses? I imagine they use a lot of water and a lot of (environmentally damaging) fertilizer. I recognize that public courses provide fees to the city. I recognize that developments built around golf courses attract buyers which benefits the city. I recognize that golf courses may be considered a benefit/quality of life issue. They do preserve a nice looking, though unnatural, open space which often preserves great views, (which are inaccessible to most). What is the cost in water and to our environment? Thank you.

Sam Gill It is getting to the point where it will soon be cheaper to buy water in plastic bottles by the case.

Joe Caputa I know they just almost doubled my water bill from here on out.

Joe Caputa I hate to see what my bill is going to be when I start watering this coming summer.

Joan Jones Don't build Uplands!!!

Celesta Manspeaker How about the City of Westminster leave the farm land alone along 84 & Lowell and not let the greedy developers trash that land with small over priced apts

Carol DeNileon Just keep raising the water Bill's. Should cut out watering anything!

Ricki Simon Unfortunately the last attempt to raise rates based on usage (which resulted in many not using as much) didn't work so now they want to raise based on a flat rate. Shameful.

FaceBook Mar 5, 2020

City of Westminster, Colorado - Government

March 3 at 8:30 AM

Help the City of Westminster promote water conservation/efficiency by telling us what kind of programs will be most helpful for you.

And earn a \$5 water bill credit for sharing your thoughts!

<https://www.cityofwestminster.us/watersurvey>



<thumbs up> 37

13 Comments 3 Shares

Nancy McNally I just took the survey.....the city only wants the answers they are looking for.....you can't add anything under other and a space to add different ideas. You may already have in place what they are asking about for conserving and there isn't a place to say so. And, if they add money for all the things they suggest in the survey.....we must have a money well none of us know about! You have to pic one of two pictures in the survey and if you don't you can't complete the survey. I guess that is one way to get the answers one wants and pretend you are listening.

Alana Weaver Yes, that's what I'm talking about with these useless surveys - they're always framed in such a way that they arrive at the answers the city is looking for - just like the town halls.

Dori Webb Nancy McNally it says Westminster has added 13,000 residents but the per person water usage is down 15-20%. I feel like this is making statistics show what they want them to show. I suspect the reason "per person" water usage is down is because most of those 13,000 new residents are in apartments that don't have lawns. I suspect Westminster's water usage is actually up overall by a lot with all the new residents.

Susie Gardner Jones The link wouldn't even let me take the survey. In the past when the city has asked the residents to conserve water, we have done that. Westminster needs to wake up and slow, or stop the high density building. You need to look at the quality of our life here when you do nothing but HIGH DENSITY BUILDING. STOP! Or at least slow it down drastically. PLEASE LISTEN!

Margarete Schmidt I'm with you. We don't need all this Low Cost Housing protects they want to build. Lowell Boulevard is having more and more traffic. We have lived in Westminster since 1964 and if we were younger, we would move out of here. We end up with nothing but dried up lawns.

Linda Crump If anyone at the city of Westminster actually reads these comments I hope the reply to some of these statements. Otherwise we know this is just another wasted post.

Nancy McNally Quit density in Westminster. We only have so much water and asking people to use less to bring in more people is unsustainable. This city has taken conservation seriously, has a great reclaimed system

to keep parks for use and HOA's to keep some green. You can have standards in ODP's of businesses that they can xeriscape the area around their sites and not have to have green grass on a 45 degree slope.

Linda Crump How about not overbuilding the city? Maybe if you don't spread the water supply so dangerously thin to begin with, we might still have water available to residents 5 to 10 years down the road.

Nushin Farjadi Do presentations to area HOAs and residents on why water conservation is important for community health and how to encourage home owners to switch out front lawns with beautiful adapted or native replacements that don't need much water and the deadly Roundup!

Alana Weaver Here's what would be helpful: 1) Stop wasting much-needed funds on nanny programs & surveys such as this, and layoff anyone whose job it is to come up with them; 2) initiate an immediate hiring & salary freeze until the infrastructure problem has been resolved; 3) go back to the drawing board and figure out how you will pay for new infrastructure out of your existing budget - not ours; 4) just recognize that we hired you to take care of our basic services - not manage every aspect of our lives. -- I think that would be helpful!

Eric Wycoff I will pay the increase, but when it comes time to vote for a Metro or Annex taxes it better be a big NO!

Anj Is Artsy Done!

FaceBook Aug XX, 2020 (3-5 days after first Water Efficiency Plan posting)

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7.3.2 Online Community Forum

The City hosted a webinar on August 26, 2020 to present the draft Water Efficiency Plan and answer questions.

Registration URL: <https://attendee.gotowebinar.com/register/1587131149737783568>

Webinar ID: 971-109-123

Telephone Only: +1 (914) 614-3221

[Comments...](#)

7.3.3 Website & Email

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7.4 OFFICIAL PLAN ADOPTION BY WESTMINSTER CITY COUNCIL

[Text/copy of Resolution X.](#)