

CITY OF NORMAN, OKLAHOMA

**CITY COUNCIL COMMUNITY PLANNING AND
TRANSPORTATION COMMITTEE AGENDA**

**Municipal Building Conference Room
201 West Gray**

Thursday, March 29, 2018

4:00 P.M.

- 1. CLEVELAND AREA RAPID TRANSIT (CART) RIDERSHIP REPORT INCLUDING SAFERIDE AND EXTENDED SERVICE FOR THE MONTH OF FEBRUARY 2018.**
- 2. DISCUSSION REGARDING A RECOMMENDATION FROM THE BICYCLE ADVISORY COMMITTEE REGARDING A POTENTIAL PARTNERSHIP WITH THE UNIVERSITY OF OKLAHOMA TO EXPAND THE CURRENT BIKE SHARE PROGRAM.**
- 3. CONTINUED DISCUSSION REGARDING GREEN BUILDING CODES AND GREEN INFRASTRUCTURE/LOW IMPACT DEVELOPMENT INCENTIVES.**
- 4. MISCELLANEOUS COMMENTS.**

ITEM 1
CART REPORT

Community Planning & Transportation Committee Meeting, March 29th, 2018

CART Monthly Report for February 2018

CART – Ridership Report Summary

- CART transported 114,482 passengers in February – a 13% decrease over February 2017. The daily average ridership was 5,763, a decrease of 498 or 8%.
 - Due to inclement weather in February 2018, CART had 2 alternate days of service. There were no alternate days of service in February 2017.
- Fiscal year to date ridership (July – February) is 804,802 – a decrease of 10% over the same period last year.
- There were 611 riders who traveled with bicycles (0.5%) and 181 with wheelchairs (0.2%). Route 11-Lindsey East carried the most passengers with bicycles (226) and 10-Main St carried the most with wheelchairs (59).

CARTaccess – Ridership Report Summary

- CARTaccess transported 2,524 riders in February – a decrease of 18% or 568. Average daily ridership was 105, a decrease of 18% or 24. Primary zone ridership decreased by 565 or 21% in February; Secondary Zone ridership decreased by 1 or 3
- For FY18 year to date (July to February), CARTaccess ridership is 22,105 – a decrease of 11%. Primary Zone ridership has decreased by 3,219 or 15% FYTD; Secondary Zone ridership has increased by 380 or 12%. Secondary Zone ridership comprises 16% of all CARTaccess trips FYTD.

CART Activities

- CART will be meeting with Proterra, an electric bus manufacturer, for a demonstration of its vehicle on March 27. This will include a presentation, ride and drive, and maintenance review. Councilmembers are welcome to attend the ride and drive which should begin at 9:45 am.
- CART staff attended meetings at Wyndam Place and Rose Rock Villa to discuss both CARTaccess and fixed route services.
- CART staff attended the Oklahoma Transit Association (OTA) Winter Conference from February 6-8. Sessions included meeting with Norman's state legislators, federal updates, and training.
- ODOT held a DBE and Contractor Conference in Norman on February 16. CART staff attended and encouraged any DBE's interested to contact the office about participating in its program for bus parts.
- CART staff attended FTA Procurement Training hosted by the National Transit Institute (NTI) in Fort Worth from February 22-23. The instructor provided examples when using FTA grants to fund purchases for transit agencies, including vehicles.
- CART is working with the OU Student Government Association (SGA) to host a Turn Up for Transit event on the OU campus on March 29. Volunteers from CART, SGA, and the OU Innovate team will be available to answer questions related to alternative ways to get to and from campus besides a personal automobile.
- CART will be participating in a few community events in the month of April. Those events are Norman Open Streets (April 15) and the Norman Earth Day Festival (April 22).

CART Detours/Construction

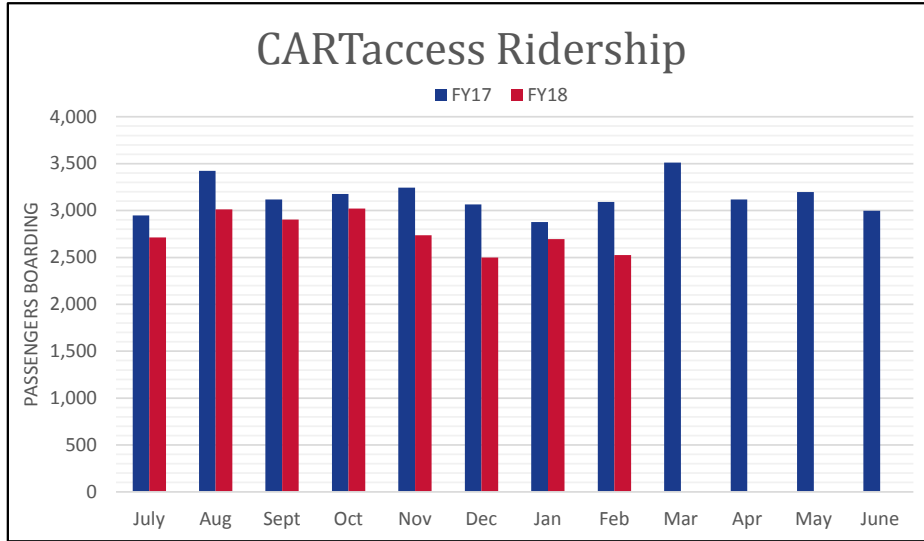
- Route 52-Campus Loop is missing its stop at the Oklahoma Memorial Student Union due to construction of a new engineering building on Felgar Street. Riders are encouraged to use stop 181 at Jenkins Avenue and Felgar Street.
- Due to the construction for the OKC Streetcar, the route 24-Sooner Express is taking a few detours from its regular route. To view the latest detours, please visit www.ridecart.com/detours-and-alerts.

Attachments

- CART Fixed-route and CARTaccess Ridership Graphs for FY17 and FY18.

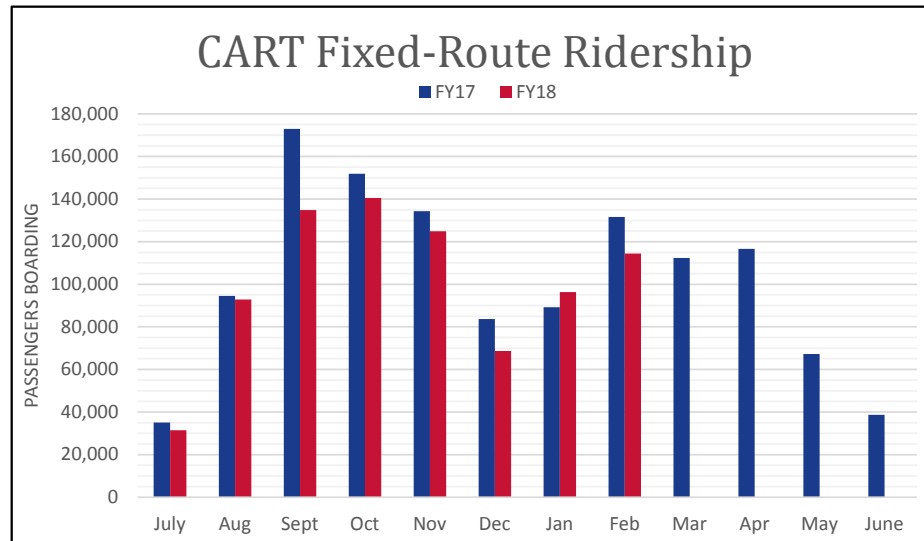
CART Ridership Summary

City of Norman Community Planning & Transportation Committee



CARTaccess Ridership by Month

	FY17	FY18	Change
July	2,948	2,714	-8%
Aug	3,422	3,011	-12%
Sept	3,118	2,905	-7%
Oct	3,177	3,022	-5%
Nov	3,244	2,736	-16%
Dec	3,065	2,498	-18%
Jan	2,878	2,695	-6%
Feb	3,092	2,524	-18%
Mar	3,511		
Apr	3,118		
May	3,196		
June	2,997		
July - Jan	24,944	22,105	-11%
FY17 Total	37,766		



Fixed-Route Ridership by Month

	FY17	FY18	Change
July	35,072	31,500	-10%
Aug	94,507	92,808	-2%
Sept	173,011	134,812	-22%
Oct	151,858	140,553	-7%
Nov	134,347	124,836	-7%
Dec	83,667	68,733	-18%
Jan	89,238	96,358	8%
Feb	131,650	114,482	-13%
Mar	112,329		
Apr	116,616		
May	67,325		
June	38,645		
July - Jan	893,350	804,082	-10%
FY17 Total	1,228,265		

FY18: July 1, 2017 - June 30, 2018

FY17: July 1, 2016 - June 30, 2017

ITEM 2
BIKE SHARE PROGRAM



City of Norman

Bike Share Program

Presented by:

Dr. Tom Woodfin, Ph.D., Chair - Bicycle Advisory Committee
Angelo Lombardo, P.E. - Transportation Engineer

March 29, 2018

Bike Share Information

- **Not “Free Bikes”**. More like an automated bike rental system.
- Up-front costs include purchasing a fleet of durable, trackable bikes (3 major vendors); a main check-out “hub”; multiple satellite hubs (for check in/out) and all associated technology (cards, GPS, etc.)
- On-going costs include a dedicated maintenance vendor and per-year replacement of a portion of the bike fleet.
- Some revenue from user fees and (possibly) advertising at hub(s). Usually requires subsidy from organization in charge of Program.



Bike Share Examples



Bike Share Examples



Target Users and Uses

- Short-distance commuters (best-case for having multiple hubs around town)
- Increased bike traffic equates to fewer automobiles on the road (less congestion)
- Budget-wise for users when compared to cost of owning/maintaining an auto.
- Mental/physical/environmental health boost.
- University population increases potential number of users



Bike Share Programs in the United States

- Large cities have large systems and operate with large budgets and (often) large sponsors
- Minneapolis/St. Paul; New York City; Boston; Dallas; Chicago; Kansas City; Austin; Miami; Nashville; San Francisco; Washington D.C., etc.
- Also found in college towns, due to specific population/user demographics (Des Moines; Madison; Charlotte; Boulder; Omaha; Columbus; Auburn) - often “sponsored” or operated by Universities.



Bike Share Programs in Oklahoma

- Oklahoma City—Launched “Spokies” program in May 2012. 95 Bikes; 7 Stations. Blue Cross is sponsor. Subsidy and operation from OKC Parking Authority.
- Tulsa—Launched “Townies” program in 2007; Re-launched in 2011. 50 Bikes; 3 Stations along River Parks (run by River Parks Authority). Started a downtown program in 2017.



Bike Share Programs in Oklahoma

- Edmond - UCO Operates the “Bum-A-Bike” Program for students & faculty to check out a bike for up to two weeks free of charge. (including an on-campus repair shop)
- Stillwater- OSU Operates the “Orange Ride” Program for semester-long rentals (including an on-campus repair shop).
- Norman - OU operates the “Crimson Cruisers” Program for students, faculty and staff (hourly rental)



OU's Crimson Cruisers



OU's Crimson Cruisers



ATTEMPTED SELF-RUN BIKE SHARE PROGRAM
SPEARHEADED NEW SOLUTION
RESEARCHED BIKE SHARE VENDORS



SELECTED THROUGH COMPETITIVE RFP PROCESS
PROVIDES FULLY TURN-KEY SOLUTION
RESPONSIBLE FOR ALL OPERATIONS AND MAINTENANCE

- LAUNCHED APRIL 4, 2017
- 75 BIKES
- 10 STATIONS
- MAINTAINED BY BUCHANAN BICYCLES

CRIMSON  CRUISERS

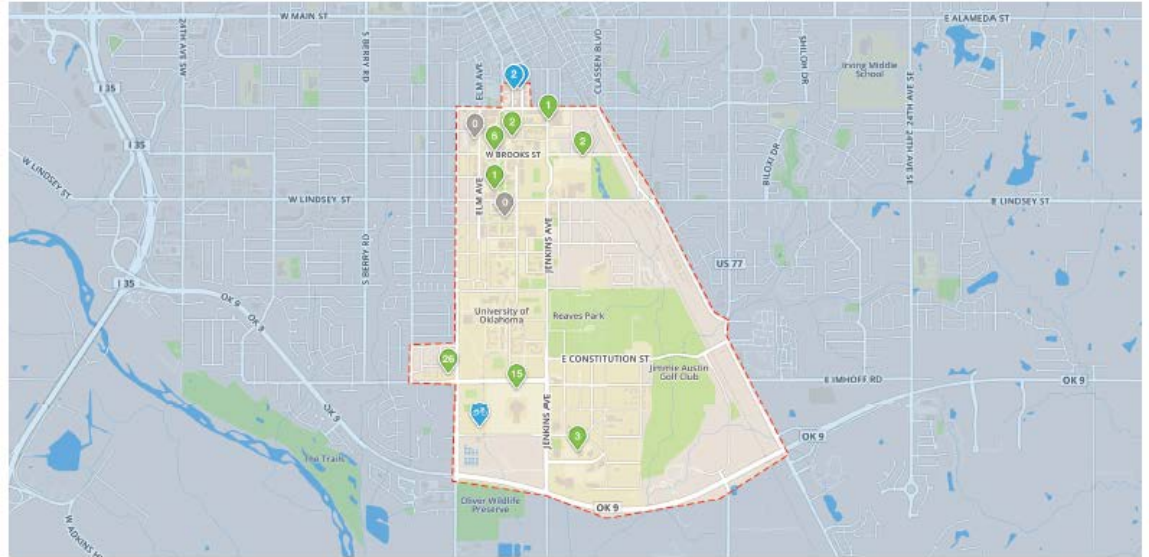
The UNIVERSITY of OKLAHOMA
BIKE SHARE PROGRAM



OU's Crimsom Cruisers

Pricing

- One hour free daily ride time
- 30 minutes of hold time
- \$5 per hour overage charge
- \$5 out of hub fee
- \$50 out of system area fee

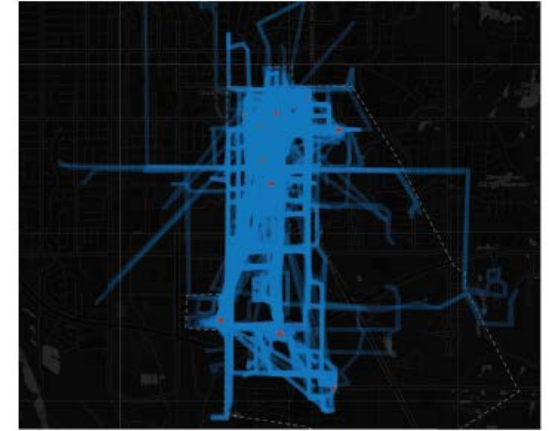
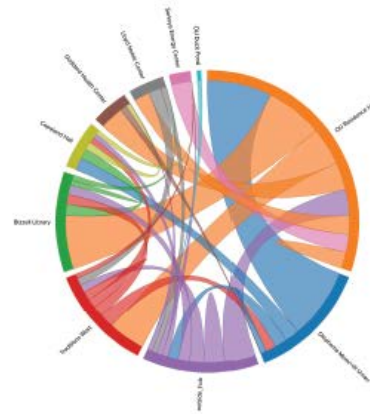


OU's Crimsom Cruisers

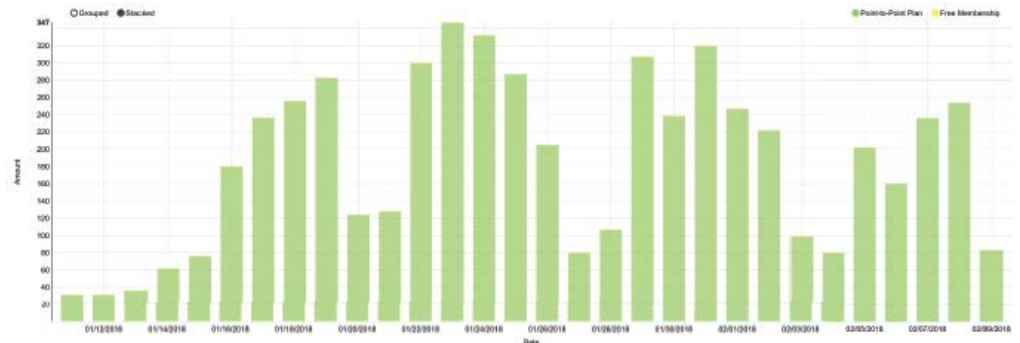
Ridership Data

- 5,435 users
- 75,825 trips
- 3.33 trips per bike per day
- 59,285 lbs. carbon emissions reduced
- 2,689,258 calories burned
- \$38,994 saved vs. driving a car

As of February 12, 2018



NUMBER OF TRIPS (DAILY PER PAYMENT PLAN)



OU's Crimsom Cruisers

Student Involvement

- Allow for more transportation options throughout Campus
- Ease need for freshmen & international students to bring personal bike
- Student Government led initiative with support from OU Parking and Transportation
- Allocated \$200,000 from Student Activity Fee Reserve Account



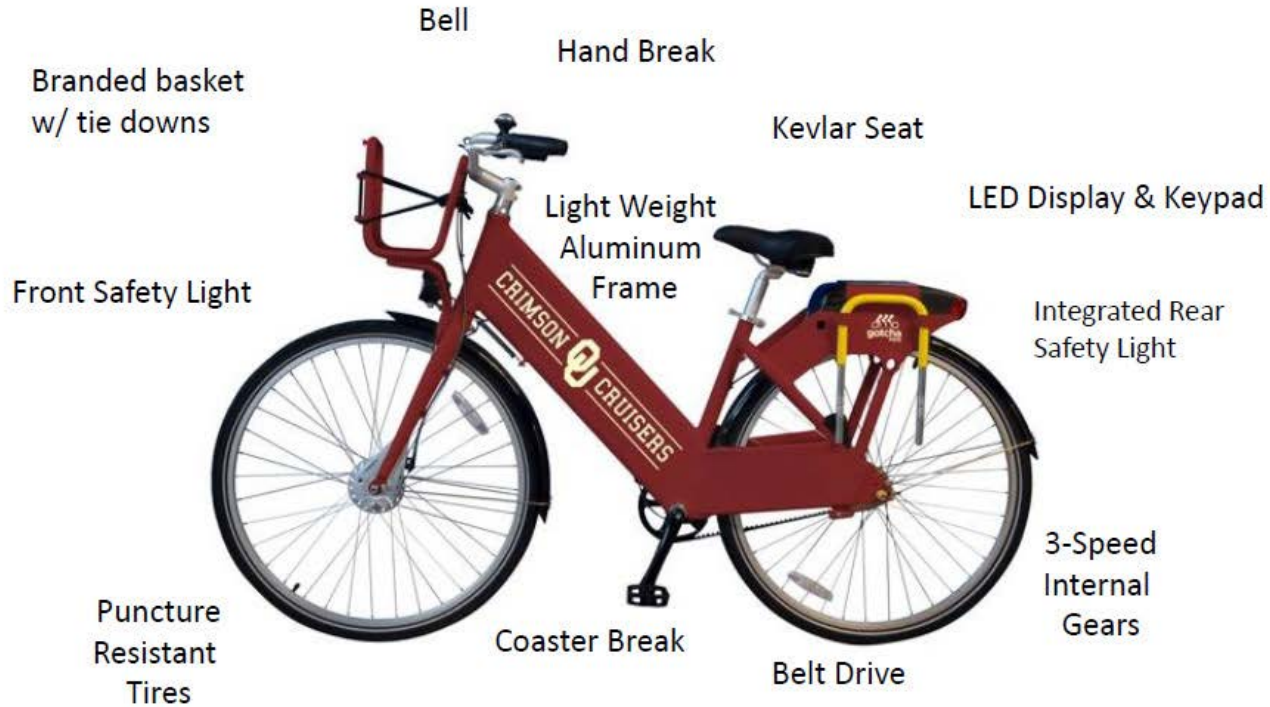
OU's Crimsom Cruisers

Details

- Gotcha Group selected as operator
- Buchanan Bicycles handles maintenance
- 75 bicycles
- 10 Docking Stations



OU's Crimsom Cruisers



OU's Crimsom Cruisers

USER EXPERIENCE



RESERVE
Book a Bike

1

Find and reserve a bike through the mobile app or website. You can also initiate a rental at the bike through its integrated keypad.



RELEASE
Unlock a Bike

2

Once you've reserved a ride, just enter your 4-digit PIN code on the keypad to unlock the bike. Remember to ride safely and follow the rules of the road.



RIDE
Enjoy Your Time

3

Want to stop for coffee? Press the "HOLD" button and lock the bike to a rack. Just enter your 4-digit PIN to unlock and continue riding.



RETURN
Quick and Easy

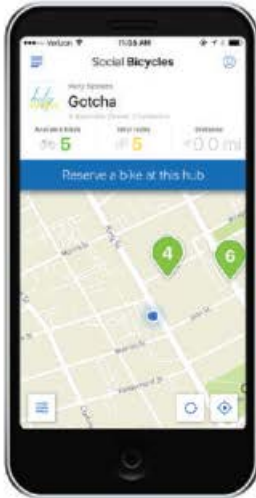
4

To end your trip, just lock your bike at one of our convenient hub locations.



OU's Crimsom Cruisers

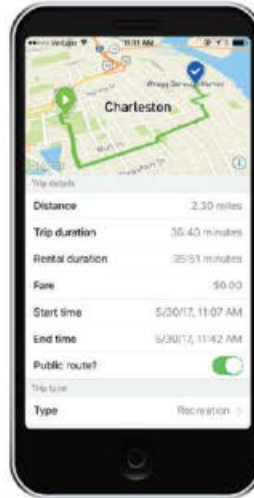
APP INTERFACE



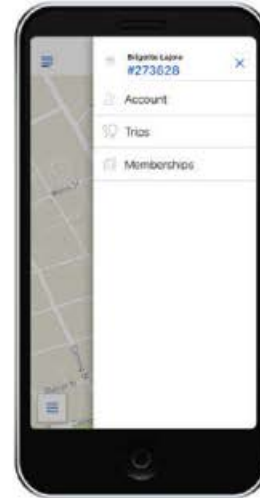
FIND



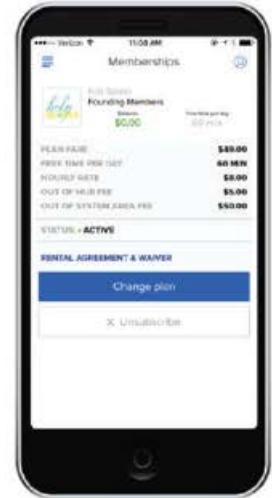
RESERVE



RIDE



PROFILE



BILLING



OU's Crimsom Cruisers

INITIATING A RIDE



ENTER YOUR CODE



UNLOCK THE BIKE



Bike Share Program in Norman

Earlier Discussions

- **February 4, 2016 - Overview of program presented to the Business and Community Affairs (BACA) Council Committee**
- **February 12, 2018 - Teleconference with Gotcha Group during the Citizen Bicycle Advisory Committee meeting.**
- **February 19, 2018 – City staff met with OU Parking and Transportation officials to discuss possible expansion of the Crimson Cruiser Bike Share Program**



Potential Partnership with OU

GOTCHA IS COMMITTED TO CREATING A TURN-KEY, SCALABLE AND AFFORDABLE BIKE SHARE SYSTEM FOR OU & THE CITY OF NORMAN.



BRANDABLE

Customized and technology-enabled bike share programs to match your unique brand.



TURN-KEY OPERATIONS

Dedicated fleet management and rider support ensure a successful bike share program.



BEST-IN-CLASS BIKE QUALITY

Durable bicycles create a unique and impactful amenity for students, faculty and staff.



FINANCIAL VIABILITY

Customized and dynamic pricing model allows system partners to achieve their investment and operational objectives.



Potential Partnership with OU

GOTCHA EXPERIENCE



Potential Partnership with OU

- **Two year contract with Gotcha Group through OU Parking and Transportation**
- **\$132,000 per year for 100 bicycles (\$1,320 per Bike)**
 - Gotcha Group owns bikes
 - All maintenance and rebalancing of system done by a local bike shop (Buchanan Bicycles)
 - Paid to OU Parking and Transportation (similar to CART)
 - Operating Budget expense
 - No additional City staff to operate system
- **\$50,000 for ten docking stations (optional). One time capital cost**



Potential Partnership with OU

Optional Racks for Docking Stations

- Racks and signage are fully customizable
- Designed to maximize branding space
- Can be installed in multiple configurations
- Custom security bolts prevent theft
- No bulky, expensive kiosks required
- Eliminates single-point of failure issue found in 'smart-dock' systems
- No wiring or electrical power necessary



Next Steps

- Include funding in FYE 2019 Budget
 - \$132,000 in the Maintenance and Operations Budget for rental of bicycles (recurring annual expense)
 - \$50,000 in the Capital Improvement Budget for docking stations (one time expense)
- Convene a stakeholder committee to work with OU and Gotcha Group on the re-branding of the OU / City of Norman Bike Share Program.
- Establish locations for docking stations (e.g., Santa Fe Depot, New Central Library, Legacy Park, Embassy Suites Convention Center, etc.)





ITEM 3

GREEN INFRASTRUCTURE

LOW IMPACT DEVELOPMENT

INCENTIVES



TO: City Council Community Planning and Transportation Committee

THRU: Steve Lewis, City Manager

FROM: Terry Floyd, Development Coordinator

DATE: March 23, 2018

SUBJECT: Green Building Code and Green Infrastructure/Low-Impact Development (LID) Incentives – Continued Discussion

At the March 29th Council Community Planning and Transportation Committee (CPTC) meeting, staff will be presenting additional information and details for discussion and direction regarding a potential Home Energy Rating System (HERS) Index incentive program for new home construction in Norman. This information will be a continuation of the Committee discussion from the November 16, 2017, and January 25, 2018, meetings.

Background

At the November 16, 2017, CPTC meeting, staff presented information regarding incentive programs as starting point for discussion and to gather feedback on potential incentive areas for additional staff research and future committee program development and consideration. The City Council identified incentivizing optional “green building codes” as a secondary destination short-term goal (1-2 years) during the August 2017 Council Retreat.

From discussion at the November 16, 2017, meeting and Committee direction, staff met with local builders and stakeholders to discuss potential incentives, specifically in the area of green residential construction. There was also indication from the Committee that those areas could more specifically focus on areas of incentivizing homes utilizing Home Energy Rating System (HERS) index for energy efficiency. Staff has met with builders and stakeholders to develop ideas for incentives for future Committee discussion.

At the January 25, 2018, meeting, staff presented information related to HERS rating processes and potential ideas for an incentive program for HERS rated home construction in Norman based on discussions with local builders.

Potential City of Norman Incentive Program for HERS Rated Homes

Current HERS Incentive Programs in Norman

Rebate programs currently exist from electric and gas franchises for builders building HERS rated homes in Norman, although these rebate programs are approved usually for a

pre-determined number of years as approved by the Oklahoma Corporation Commission. These builder rebate programs provided by local electric and gas utilities give a rebate of \$759 for a new home achieving a HERS score of 70 or less.

Municipal HERS Incentive Programs Researched

A program incentivizing homes achieving a HERS score of 80 (or lower) have been employed for number of years by Colorado Springs Utilities. The program provides an initial incentive for homes achieving a HERS rating of 80, and then additional incentives are provided for each rating point lower than 80.

In conversations with staff from Colorado Springs Utilities, the program was primarily began (10 years ago) to give the state of Colorado better insight into the number of HERS-rated homes being built in Colorado Springs, establish a base-line for an incentive program and encourage better home construction. In 2017, 186 homes utilized the program, but the program is on track for over 400 homes in 2018.

There are few distinct differences in the program Colorado Springs Utilities (CSU) currently implements and a potential program for the City of Norman. CSU is the electric provider for the community and the municipality owns the electric franchise. Additionally, the State of Colorado does not have an adopted state-wide building code, so each municipality adopts and/or creates its own building codes. Currently, Colorado Springs has adopted the 2009 International Residential Code (IRC) for home construction.

Potential City of Norman HERS Incentive Program

Following Committee discussion at the January 25, 2018, meeting, staff began evaluating the potential financial and administrative impacts of implementing a HERS incentive program based on a \$750 incentive for a HERS index score of 70.

As CSU's program is run through its municipal electrical utility accounts, it accomplishes its incentive by credit or reimbursement to those accounts. Functionally, as the City of Norman does not provide a power utility, the same approach is not a feasible option here. Further, Section 5-104 of the City Code, which sets the applicable fee schedule, provides that such fees "shall be charged." Thus, while ordinance amendment is a recommended option for addressing permit fees, if the City were to instead pursue a Pilot Program by resolution, the outlined program must take the current ordinance into account.

Having consulted with the City Legal Department on these points, a program that charges these permit fees, but allows HERS performance to satisfy all or a portion of these fees is a preferable approach to paying, rebating or reimbursing previously-made fee payments. Since this portion of the total permit fees is purely regulatory cost, the City could exercise discretion in determining the amount of the fee ultimately satisfied by the HERS performance of the Rated Home to provide clarity in procedure and administration of the incentive.

Building Permit Fee Adjustment Program for HERS Rated Homes

Program Parameters

One potential area of providing an incentive for residential home construction could be through an adjustment of the percentage of the building permit fee based on the final HERS index rating score of the home. The building permit fee is currently charged based on a fee of \$0.14/sq. ft of the home size. A program could be considered that satisfies a percentage of the building permit fee (for residential homes) for a specified HERS index score. Additional fee adjustments could be included for homes achieving scores lower than the minimum HERS score determined for an adjusted fee. Attachment A provides an example program that provides for a 50% building permit fee adjustment for a home achieving a HERS index rating of 65, with an additional 5% fee reduction for each point below 65. The actual amount of the adjustment would vary based on the square footage of the home.

For example, construction of a new 2,115 sq. ft. home would have approximately \$3,817.20 in **total** permit fees. Of that total, \$370.20 would be for **building permit fees**, \$80 for erosion control fees and \$150 for park fees. The remaining permit fee costs are for the voter-approved wastewater excise tax and sewer connection fees (\$1,963); water connection fees and water meters (\$1,250).

Based on a fee adjustment program similar to the one outlined in Attachment A, a home could receive an adjusted building permit fee of \$185.10 if it achieved a HERS rating of 65. The permit review fee could be further adjusted to \$0 if the home achieved a HERS rating of 55 (additional 5% / point. x 10 points below 65).

Building Permit Fee Adjustment Process

The process for applying for an adjusted building permit fee would begin with the builder or home owner (depending upon who is responsible for the initial construction of the home) completing an Annual Participation Program application with the City (DRAFT application included as Attachment B). Applications would be kept on file.

Once the participation application is completed, potential building permit fee adjustments for HERS ratings would be noted for the home being built upon indication on the initial building permit application of the home builder's intention to pursue a HERS index rating for the home. Additional documentation could be requested by staff to further verify the applicant's intended pursuit of a HERS index score.

Homes indicating pursuit of a HERS index score of 65 or less on their building permit application would not be required to pay the building permit fee portion of the total permit fees up-front. All other fees for utility connections, metering, erosion control, parks and Wastewater Excise Tax would be charged at the time of building permit issuance, as they are currently.

Final building permit fee totals would be determined once construction is completed and prior to issuance of a Certificate of Occupancy (CO). Building permit fee adjustments would be based upon the builder submitting a final HERS index score report and subsequent verification of the final HERS index score by staff. Following staff review, the final total of the building permit fee satisfied by HERS performance will be determined, and any outstanding fees for which payment was owed would be required to be paid prior to City issuance of final CO. Applicants could appeal final building permit fee determinations by staff to the Planning and Community Development Director.

Incentive Program Considerations

HERS Building Permit Fee Adjustment - Pilot Program

Potential impacts to City revenues from implementation of a program as outlined in this Memo are difficult to fully determine due to the varying size of homes that are built in Norman. In some cases, fee waivers could be as low \$105 (for a 1,500 sq. ft. home with a 65 HERS index score) to as high as \$700 (for a 10,000 sq. ft. home with a 65 HERS index score). Based upon the current estimated number of HERS rated homes currently being built in Norman (approximately 230 in 2017) and an average home size of 2,100 sq. ft., approximately \$34,000 in building permit fee revenues would not be collected if this program was implemented. However, final totals could vary greatly based on the number of homes qualifying for the adjusted fee, the size of each home, and the amount of the adjustment permitted by the Rated Home's final HERS score.

The revenue generated by the Building Permit Fees implicated by an adjustment program is deposited into the City's General Fund, and would otherwise serve to fund the salaries of Planning & Community Development staff that are providing the permitting function. Thus, as part of implementing this adjustment program, the Committee may also want to consider a General Fund appropriation to staff salary accounts to offset the effect of the adjustment program on such revenue.

And further, due to the unknown impact to the overall General Fund, the Committee may also want to consider pursuing a pilot program for these building permit fee adjustments for a limited period (perhaps six (6) months) to help establish a baseline for future revenue impact projections and program continuation. If a pilot program were pursued, the beginning of July 2018 may be an appropriate time to begin the program to correspond with the new fiscal year budget. Staff can report back to the CPTC, Council Finance Committee and/or Council after the six-month pilot program period to discuss continuation of the program and/or revisions.

This pilot program could be approved by City Council in the form of a Resolution, and if ultimately pursued on a permanent basis, further codified in City Ordinances. If the Committee desires, staff can draft a Resolution outlining the parameters of the pilot program, length and future actions for Council consideration in the upcoming weeks.

Water Conservation Rebate Program

Much of the energy saving realized in homes with low HERS index scores are in the area of electric power efficiency. These areas include insulation types, window leakage, energy consumption of appliances and other energy areas. While there is no direct savings to the City of Norman that would be realized by the energy-saving home improvements described, such a program promoting a broader public purpose of energy resource conservation could provide a legally permissible basis upon which to implement such a program at a municipal level, even though the City of Norman does not provide power utility services to its citizens.

HERS H₂O Rating Index

Recently, the organization responsible for developing the HERS index rating, Residential Energy Services Network (RESNET), has launched the HERS H₂O index to rate indoor and outdoor water usage of homes (additional information included in Attachment C). The program is in the beginning stages, and will provide a rating and subsequent score of a residential home's indoor and outdoor water use. The rating system is projected to be similar to that of the current HERS index rating. Once the program and rating system/standards are more fully developed and implemented by the building industry, additional requirements for HERS H₂O index ratings could also be considered as an incentive program. Staff will continue monitoring the progress of the program and can discuss potential incorporation into the incentive program if the Committee desires.

Example Water Efficiency Rebate Programs

Staff has also researched programs nationally, and over 150 water rebate programs from municipal water utilities and water districts are listed across the country¹. These rebate types include:

- Outdoor irrigation efficiency upgrades
- Sink and faucet efficiency upgrades
- Toilet efficiency upgrades
- Shower/Bathroom fixture upgrades

Information on rebate programs from Denver Water and Austin Water are included as Attachment D. These rebate programs focus in the areas of irrigation/yard turf and toilet efficiency upgrades for both residential and commercial projects.

¹ "Water Efficiency Can Pay Off!" www.epa.gov/watersense/rebate-finder

Future Water Efficiency Rebate Program Discussion

Programs designed to incentivize increased water efficiency in home construction may prove to be an area of discussion that could directly benefit the City of Norman. Work could begin to expand water conservation programs that align with the conservation measures as outlined in the City adopted 2060 Strategic Water Supply Plan (SWSP). A goal of expanding existing programs and/or implementing new programs to achieve water reductions of 1.0 million gallons per day (MGD) by 2060 was outlined in the plan. The plan suggests expanding some of the City's existing water conservation programs to help achieve these water conservation goals.

Water efficiency-focused incentive programs could have a more direct impact on resources provided through Norman's municipal owned utilities. Given these considerations, water efficiency incentive programs could prove to be a beneficial area of further Committee discussion and staff exploration.

Staff will be presenting information regarding these potential incentive program options for further Committee discussion/questions at the March 29th meeting.

Attachment A
(on following page)

Home Energy Rating System (HERS) Index Building Residential Permit Fee Adjustment Program

Building permit fee amounts are dependent on the Home Energy Rating Score (HERS) and range from 50% to 100% residential building permit fee adjustment.

The City of Norman ("City) Residential Building Permit Fee Adjustment ("Program") is designed to encourage Norman homebuilders to build homes to a higher energy efficiency standard than is required by state and local codes. Fee adjustments are offered on a first come, first served basis and are subject to eligibility and availability of funds. Certain other conditions and restrictions apply. For more information, call **405-366-5415** or visit www.normanok.gov.

The Program requires that each builder ("Participant") register annually, then submits documentation for each home, Home Energy Rated Score ("Rated Home") to receive a residential building permit fee adjustment incentive ("Incentive").

Builder Annual Participation Application Requirements

- 1) Please review the Program general requirements below. Call Brenda Wolf, Permit Services Supervisor at 405-366-5415 or Brenda.wolf@normanok.gov with Program questions.
- 2) Builders must register for the Program by completing the Annual Participation Application (*included on page 4*), and include the following documentation:
- 3) To receive a Building Permit Fee Adjustment for a Rated Home:
 - The Participant should ensure that he/she or the third party energy rater forwards a Home Report of each completed home to the Permit Services Supervisor.
 - Home Report must contain the following items:
 - Home Energy Rating Score (HERS) Performance Energy Rating Certificate or Home Energy Rating Certificate (Contains energy component values)
 - ENERGY STAR V3 Home Verification Summary (includes HERS score with and without PV)
 - Certificate for the home building standard achieved.

General Requirements

- Home must be a residential home, as defined by the 2015 International Residential Code (IRC). A single unit that provides complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking, and sanitation, having its own heating, cooling, and hot water. Applicable dwellings are detached one- and two-family dwellings..
- HERS/ERI software must be ANSI RESNET Standard 301-2016 certified.
- Annual Participation Application and Home Reports must be received before final

inspections for Certificate of Occupancy (CO) are completed.

- Incomplete applications and/or those lacking required documentation will be denied.
- Incentive is only available to homebuilders.
- Incentive is only available for newly constructed homes that apply for a residential building permit after July 1, 2018 (*meeting criteria as defined above*).
- Each Rated Home is eligible to receive a single Incentive through this Program.
- The Rated Home must be in the Norman City limits.
- Participant's account(s) with the Norman Utilities Authority must be current (i.e., no past due balance) at the time the home Energy Rating certificate is received or the incentive will be denied.
- The Rated Home is subject to inspection by City of Norman Development Services/ Norman Utilities Authority staff at any reasonable time with advanced notice. If the home for which an incentive has been issued is found on inspection to not qualify, the Incentive amount will be charged back to the building permit fee account which was originally credited, and the incentive amount will be collected prior to issuance of Certificate of Occupancy (CO). No CO will be issued for the Rated Homes until outstanding permit fees are paid.
- The City of Norman only provides fee incentives for homes that received the Home Rating through independent verification; homes that receive ratings or certifications through the sampling method will not be eligible for this incentive.
- The energy rater must meet all RESNET requirements and be qualified and certified to undertake ratings/certifications at the time the rater conducts the work.
- Participant is responsible for delivery of each Home Report to the City of Norman Development Services Division for verification of HERS Index score.
- Participant is solely responsible for obtaining related building permits and completing the inspection process as required by local jurisdiction.

Incentive Program Score Requirements

- Each Rated Home will be incentivized based on its Home Energy Rating Score (HERS) as determined in the Home Report generated by an independent third-party rater that meets the criteria outlined above.
- HERS incentives begin at a 50% building permit review fee adjustment for Rated Homes receiving a HERS Index score of 65.
- An additional 5% building permit review fee adjustment will be applied for Rated Homes for each point received below a score of 65.
- Fee adjustments apply to building permit plan fees **ONLY**. Fee adjustments **will not** be applied to Wastewater Excise Tax, Erosion Control, Water Connection, Sewer Connection, Water Meter, Neighborhood and/or Community Parks, and

Oklahoma Uniform Building Code Commission fees associated with building permit review. These fees and charges will be paid in full as part of the normal permitting process.

Building Permit Fee Adjustment Process

- Fee adjustments will be applied upon initial indication on the building permit application of the home builder's intention to pursue a HERS Index rating for the home. Additional documentation of the HERS Index components in the building plan may be required for verification of pursuit of a HERS Index score.
- Applicants for the program must complete or have on file a current Annual Participation Application.
- Final building permit fees will be determined, based on the program HERS score requirements outlined above, prior to issuance of a Certificate of Occupancy (CO). Any outstanding building permit fees determined to be owed must be paid prior to issuance of CO by the City of Norman.
- Applications pursuing fee adjustments that have outstanding fees at the time of final CO issuance, will not be issued a CO until all outstanding fees have been paid.
- Applicants may appeal final determinations of building permit fee adjustment totals to the Planning and Community Development Director.

Attachment B
(on following page)



2018 Builder Incentive Program Annual Participation Application

PARTICIPANT INFORMATION

Participant/Company Name: _____

Mailing Address: _____ Zip: _____

Contact Name/Title: _____

Phone: _____ E-mail: _____

By signing this certification, the Participant certifies under penalty of perjury that: a) the information provided in this form is true and correct to the best of the Participant’s knowledge, b) the Participant has read and understood the stated Builder Incentive Program Rules and Requirements.

Signature Required: _____ **Date:** _____

DISCLAIMERS

WARRANTY DISCLAIMER: The City of Norman makes no representations or warranties, expressed or implied, regarding the design, sizing, installation, construction, reliability, efficiency, performance, operation, maintenance, or use of the Certified Home or of any building component analyzed, discussed, selected, rejected, installed or otherwise considered by the Participant. Any decisions regarding the selection, design, and construction shall be at the sole discretion and are the sole responsibility of the Participant. The City of Norman is not liable or responsible for any act or omission of any contractor whatsoever. Participant will not represent, in any manner, that the Participant is an agent of the City of Norman. Participant may not use the City of Norman name or logo in its communications or advertisements without the express written permission of Norman Utilities Authority.

LIMITATION OF LIABILITY: The Participant understands and agrees that the City of Norman is not a party to any contract pertaining to construction and sale of the Certified Home. The Participant agrees to indemnify, to defend, and to hold harmless City of Norman Utilities, its board members, officers, agents and employees against all claims, loss, damage, expense and liability asserted or incurred by other parties including, but not limited to the City of Norman employees arising out of or in any way connected with the Certified Home or the Certified Home’s construction, operation or performance and caused by acts, omissions, intent or negligence, whether active or passive, of Participant, its agents, employees and suppliers, and excepting only such loss, damage or liability as may be caused by the intentional act or sole negligence of the City of Norman.

Submit completed application form and documentation to:

Email: bwolf@normanok.gov or

Mail: **The City of Norman
C/O Brenda Wolf
201 W. Gray St.
Norman, OK 73069**

Attachment C
(on following page)

RESNET launches HERS H2O Index

The new water index will rate the indoor and outdoor water usage of a home



Photo credit: RESNET



◀ PREV

NEXT ▶

March 7, 2018

In many parts of the nation, water is fast becoming an increasingly expensive commodity, with national water and sewer rates rising faster than energy costs. Homebuyers need to know how efficiently water is being used in the homes they are considering buying. In response to this need, the national energy standards organization, RESNET, is introducing its first ever water efficiency rating index, HERS_{H2O}.

Similar to the HERS Index Score, RESNET's nationally recognized energy efficiency standard, this new water index will rate the indoor and outdoor water usage of a home including the bathroom and kitchen, clothes washer, pools, and irrigation, while also accounting for leaks, excess pressure, and waste to derive a HERS_{H2O} score. The score is derived by comparing the rated home to a reference home, which is typical of construction practices in 2006.

The HERS_{H2O} Index also provides an opportunity for homebuilders to monetize the water efficiency of their homes in the same fashion that the HERS Index does for energy efficiency.

That is why the builders, real estate professionals, code officials and home rating professionals recently convened Feb. 27 in Orlando, Florida, for the first-ever live demonstration of the HERS_{H2O} Index rating process during the [2018 RESNET Building Performance Conference](#).

Nationally recognized builder [KB Home](#) and HERS Energy Rating Company [TopBuild](#) hosted a live demonstration of RESNET's water efficiency rating, a short distance from Lake Buena Vista Resort, site of the RESNET 2018 Conference. Home-building professionals in attendance heard a briefing about the development of the HERS_{H2O} rating system, then followed a HERS_{H2O} rater to perform the rating.

For more information on the RESNET water efficiency rating go to [RESNET HERS_{H2O}](#).

Source: [RESNET](#)

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Design, CMS, Hosting & Web Development :: ePublishing



Water is the new frontier for RESNET and HERS Raters. In many parts of the nation water is fast becoming an ever increasingly expensive commodity. There is clearly a need for a system to rate a home's efficiency in water use. This will allow homebuyers to know how efficiently water is being used in the homes they are considering to buy. It will also provide an opportunity for homebuilders to monetize the efficiency of their homes in the same fashion that the HERS Index plays for energy efficiency.

It is RESNET's policy that the certification of individuals to conduct the ratings of homes and software modeling programs will not be restricted to the current RESNET infrastructure. Other certification and software accreditations will be recognized as long as they comply with the provisions of the standard.

RESNET is partnering with the International Code Council (ICC) to develop a national consensus standard for a HERS water efficiency rating index (HERSH2O). The development of the national standard is co-chaired by:

- Jacob Atalla of KB Home
- Ed Osann of the Natural Resources Defense Council
- Jonah Schein of the U.S. Environmental Protection Agency's WaterSense program.

The following will be the process that will RESNET will follow in developing the HERS_{H2O} program:

WER Index Advisory Council

The WER Index Advisory Council oversees the development of the HERSH2O and will vet the drafts of subject matter experts before being submitted to the RESNET consensus public review and comment process. The membership of the advisory represents a wide diversity of interests and expertise in the fields of water efficiency and HERS ratings.

To view the membership of the advisory council go to [RESNET WER Index Advisory Council](#)

WER Index Working Group

The RESNET WER Index Working Group is responsible for the developing the draft WER Index Guidelines to be submitted to the RESNET consensus public review and comment process. Members are posted at [RESNET WER Index Working Group](#)

WER Index Working Group Technical Subcommittees

The subcommittees will be composed of technical experts. The subcommittees will be:

- Modeling and development of reference home
- Rating inspection and testing procedures
- Rater training and qualification requirements
- Indoor water appliances
- Outdoor water use

Members are posted at [RESNET WER Index Working Group Technical Subcommittees](#)

Process for Developing Water Rating Index American National Standard

RESNET and ICC is developing jointly an Water Rating Index American National consensus standard. The standard will define how to calculate a rating index for water efficiency.

RESNET and ICC has appointed the following individuals to the Water Rating Index Standard Development Committee (SDC 1100):

- Jacob Atalla, KB Home – Chairman
- Jonah Schein, EPA Water Sense – Vice Chairman

Members:

- Brett Cook, Building Code Official, City of Boardman, Oregon

- Mary Ann Dickinson, Executive Director, Alliance for Water Efficiency
- Andrew Espinoza, Building Code Official, City of San Antonio, Texas
- Philip Fairey, Deputy Director, Florida Solar Energy Center
- Ed Osann, Team Leader - Water Use Efficiency, Natural Resources Defense Council
- David Sauter, Building Code Official, Hatfield Township, Pennsylvania
- Kelly Stephens, Director of Operations, SunRiver Development

Attachment D
(on following pages)



Pay My Bill (/pay-my-bill)

Manage My Account

Customer Care:

303-893-2444 (tel:303-893-2444)

Residential Rebates

Rebate changes effective April 16, 2018

WaterSense-labeled toilets (average of 1.1 gallons per flush or less)

- Up to a ~~\$150~~ \$100 rebate.
- Limit of ~~three~~ two toilet rebates per residence in a 10-year period.

WaterSense-labeled smart irrigation controller

- Up to a ~~\$100~~ \$75 rebate.

Every wasteful old toilet you replace with a slick, [WaterSense \(/rebates-and-conservation-tips/watersense/\)](/rebates-and-conservation-tips/watersense/)-labeled, 1.1 gallons per flush or less model, and every old sprinkler head you replace with a straight-shooting rotary nozzle, brings us all one step closer to securing our water future well into the future.

To help you help us all by becoming more efficient with your water, we're offering to pick up part of the tab for certain, higher-efficiency models.

Rebates are available to customers who receive a water bill from Denver Water or one of these [qualifying water providers \(/residential/rebates-and-conservation-tips/residential-rebates/qualifying-water-providers/\)](/residential/rebates-and-conservation-tips/residential-rebates/qualifying-water-providers/).

Available rebates

💧 **WaterSense-labeled toilets: average of 1.1 gallons per flush or less (up to a \$150 rebate until April 16, 2018, then dropping to \$100)**

💧 **Rotary/high-efficiency sprinkler nozzles: up to \$3 rebate per sprinkler head**

[\(1\)](#)
16, 2018, then dropping to \$75)

Rebate rules

💧 [Product qualification rules](#)

💧 [Customer eligibility rules](#)

💧 [Application rules](#)

💧 [Rebate process/check rules](#)

What is WaterSense?

[WaterSense products \(https://www3.epa.gov/watersense/index.html\)](https://www3.epa.gov/watersense/index.html) are backed by independent third-party tests and certification, and meet the Environmental Protection Agency's specifications for water efficiency and performance. With WaterSense's consumer-friendly labeling system, you can easily identify WaterSense-certified products that will perform well and save water.



[Print](#)

Residential

[Billing & Rates \(/residential/billing-and-rates\)](/residential/billing-and-rates)

[Services & Information \(/residential/services-and-information\)](/residential/services-and-information)

[Rebates & Efficiency Tips \(/residential/rebates-and-conservation-tips\)](/residential/rebates-and-conservation-tips)

Customer Care

303-893-2444 (tel:303-893-2444)

Emergencies

303-628-6801 (tel:303-628-6801)



[Pay My Bill \(/pay-my-bill\)](#)

[Manage My Account](#)

Customer Care:

[303-893-2444](tel:303-893-2444) (tel:303-893-2444)

Commercial Rebates


Rebate change effective April 16, 2018

WaterSense-labeled toilets (average of 1.1 gallons per flush or less)


- Up to a ~~\$150~~ \$100 rebate.

Save your business water and money with Denver Water’s rebates.

 [Rebate rules](#)

 [WaterSense®-labeled toilets: average of 1.1 gallons per flush or less \(up to a \\$150 rebate until April 16, 2018, then dropping to \\$100\)](#)

 [WaterSense®-labeled high-efficiency urinal rebate \(up to \\$100 each\)](#)

 [WaterSense®-labeled flushometer bowl and valve combination rebate \(up to \\$125 per set\)](#)

 [Coin/card-operated laundry equipment rebate \(up to \\$150 each\)](#)

 [Submeter rebate \(up to \\$40 each\)](#)

-
- 💧 WaterSense®-labeled smart irrigation controllers (25 percent of material cost)
 - 💧 Commercial irrigation high-efficiency or rotary nozzles (up to \$3 per nozzle)

Before applying, find the description that best matches your situation.

-
- 💧 If your rebate is MORE than \$2,500 it must be PREAPPROVED
 - 💧 If your rebate is LESS than \$2,500

Frequently asked questions

-
- 💧 When I applied online, I selected to mail in a copy of my receipt. Where do I mail my receipt?
 - 💧 Is there a time limit on when I need to apply for my rebate?
 - 💧 How long will it take to get my rebate?
 - 💧 What stores sell products that are eligible for Denver Water rebates?
 - 💧 Will Denver Water inspect my new fixtures?
 - 💧 How long do I have to cash my rebate check from Denver Water?

-
- 💧 I have several apartment/condo units within the same property where I am installing eligible products. Do I have to complete a separate application for each one?

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Commercial ▾

Conservation ▾

Water Quality ▾

Environmental Protection ▾

Construction Standards

General Info ▾

REBATES, TOOLS, AND PROGRAMS

Customers of Austin Water or a [qualifying water provider](#) can receive rebates and incentives by taking steps to conserve water.

FREE TOOLS

Residents

- [Dropcountr Mobile and Web Application](#)- digital home water use reports
- [Free Water Conservation Tools](#)- aerator, showerhead, and soil moisture meter
- [Irrigation System Evaluation](#)- checks system efficiency
- [Gray Water](#)- learn about gray water collection

Commercial (CII) / Multi-family / Schools

- [3C Business Challenge](#)
- [Free Showerheads & Faucet Aerators](#) (multi-family facilities only)
- [WaterWise Hotel Partnership](#)- recognition for water-efficient lodging facilities
 - [WaterWise Hotel Partners](#)

REBATES

Residents

- [Irrigation Upgrade](#)- up to \$400 to improve irrigation efficiency
- [Landscape Survival Tools](#)- up to \$120 for compost, mulch, and core aeration service
- [Pool Cover](#)- up to \$200 for new pool cover
- [Pressure Regulating Valve](#)- up to \$100 for pressure regulating valve
- [Rainwater Harvesting](#)- up to \$5,000 for equipment to capture rainwater
- [Watering Timer](#)- up to \$40 for hose timers
- [WaterWise Landscape](#)- up to \$1,750 to convert turf grass to native beds
- [WaterWise Rainscape](#)- up to \$500 for landscape features to retain rainwater

Commercial (CII) / Multi-family / Schools

- [Bucks for Business](#)- up to \$100,000 for equipment and process efficiency upgrades
 - [Air Conditioner Condensate Recovery](#)
- [Commercial Kitchen](#)- from \$40 to \$2,500 per item for water-efficient kitchen equipment
- [Irrigation System Improvement](#)- to increase irrigation efficiency
- [Rainwater Harvesting](#)- up to \$5,000 for equipment to capture rainwater
- [Water Efficiency Audit](#)- up to \$5,000 for an audit to identify potential water savings
- [Pressure Regulating Valve](#) (Multi-family only)- up to \$500 for pressure regulating valve
- [WaterWise Landscape](#) (Multi-family HOA only)- up to \$5,000 to convert turf grass to native plants
- [WaterWise Rainscape](#) (Schools only)- up to \$500 for landscape features to retain rainwater

PROGRAMS

- [Commercial Facility Irrigation Assessment](#) (Commercial, Multi-family, & City facilities one acre or larger)- irrigation evaluation required every two years
- [Commercial Vehicle Wash Facility Efficiency Assessment](#) (Commercial, Multi-family, & City facilities using vehicle wash equipment)- efficiency inspection required every year
- [Cooling Tower Efficiency](#) (All properties with cooling towers) - properties must register their cooling towers and submit annual inspection reports

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