



CITY OF LAKEWOOD

SUSTAINABILITY PLAN ANNUAL REPORT

2018–2019

City of Lakewood Sustainability Division

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SUSTAINABILITY IN THE CITY OF LAKEWOOD

Sustainability means creating balance among the environment, the economy and society to ensure that practices and decisions do not compromise the quality of life for future generations. Sustainability is not an end goal, but an approach that recognizes the interplay between natural, economic and social interests. This approach has been part of Lakewood's community fabric since its inception in 1969. As Lakewood celebrates its 50th Anniversary, it is a great time to celebrate the steps we've taken to become a sustainable community and take action to ensure that we are preserving the Lakewood we love for our kids.

The **Sustainability Plan Annual Report 2018 – 2019** highlights the key implementation efforts undertaken this year and reports on progress made toward achieving the community's sustainability goals that were set in the City of Lakewood's first communitywide Sustainability Plan, adopted in May 2015. Additionally, this report includes a comprehensive compilation of data in support of the Sustainability Plan's 35 measurable targets and 90 sustainability indicators and a progress report on the status of the plan's primary implementation strategies.

“Sustainability is not an end goal, but an approach that recognizes the interplay between natural, economic and social interests.”

WE'D LIKE TO SAY THANKS

Each of the accomplishments highlighted in this report are the result of collaboration and teamwork within the city organization and across the community and region. Realizing our community's vision for a sustainable and vibrant city can only be achieved through strong partnerships among Lakewood's government, its utility providers, business community, civic organizations and neighborhood residents.

We'd like to say thank you to all the partners who have and continue to contribute to sustainability in Lakewood.

— **Lakewood Sustainability Staff**



CLIMATE CHANGE AND ADAPTATION

SUSTAINABILITY PLAN CHAPTER 1



2015 SUSTAINABILITY PLAN GOALS

Minimize Lakewood's communitywide greenhouse gas emissions and prepare and adapt to ongoing climate change impacts.

TARGETS

- Reduce communitywide greenhouse gas emissions by 20 percent below 2007 levels by 2025.
- Reduce communitywide greenhouse gas emissions by 50 percent below 2007 levels by 2050.
- Reduce municipal greenhouse gas emissions annually through 2025.

- The target is on track
- The target is not on track
- The target is TBD

2018–2019

HIGHLIGHTED INITIATIVES

01 CALL TO CLIMATE ACTION

Increasing greenhouse gas emissions is an urgent issue that warrants a call to action. Colorado and Lakewood are making actionable efforts to reduce emissions.



02 2018 GHG INVENTORY

The 2018 inventory is Lakewood's third communitywide greenhouse gas emissions inventory. Previous inventories were conducted for the years 2007 and 2015.

01 A CALL TO CLIMATE ACTION

Levels of global greenhouse gas (GHG) emissions are at an all-time high with record breaking levels reported in 2019. As a result of increasing GHG emissions, there are noticeable changes in the climate that affect all of us. Recently, the United Nations report indicated that around one million animal and plant species are threatened with extinction due to climate impacts and other environmental pressures.

The call to action is urgent. Data from the 2018 Intergovernmental Panel on Climate Change's (IPCC) [Global Warming of 1.5 degrees C](#) states that the average global temperature has increased by approximately 1° Celsius (approximately 1.8° Fahrenheit) since pre-industrial levels. The report also notes that if we continue generating GHG emissions at the same rate, the global temperature could increase to between 1.5° and 3.0° Celsius (2.5° and 5.4° Fahrenheit), at which point changes to our planet may be irreversible.

Despite the 2017 U.S. withdrawal from the Paris Agreement, and a lack of a comprehensive nationwide approach to address climate change, states and municipalities are taking action to address this global issue and are implementing actionable efforts to reduce emissions. Here in Colorado, more than twenty communities have sustainability or climate action plans and the new state bill HB19-1261 sets the stage for climate action and a statewide reduction in GHG emissions.

Xcel Energy, the largest electricity provider in the state, is responding to these communities' goals and is implementing its Colorado Energy Plan which includes more wind and solar energy and a path forward to reduce carbon emissions. Their goals for a carbon-free future include 80 percent less carbon by 2030 and 100 percent carbon-free by 2050.

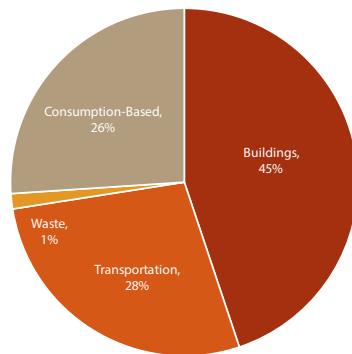
Lakewood's Sustainability Plan is robust with specific targets and goals designed to reduce overall emissions and help achieve larger statewide and global goals. The city was recently identified by the CDP (formerly the Carbon Disclosure Project) on CDP's 2018 Cities A List for its goals and commitments to reduce emissions -- alongside 42 other urban areas (including Denver) out of 596 global cities.

This is an urgent issue (both globally and locally) and all actions matter, no matter how big or small. We must all do our part to keep the momentum going and increase our understanding of what needs to happen to ensure the health of our planet.

02 2018 GHG INVENTORY

A greenhouse gas (GHG) emissions inventory assesses a community's contribution to global climate change and informs community policies and programs that will reduce GHG emissions. This past year the Sustainability Division conducted a communitywide inventory using 2018 data.

This was the second update since Lakewood's initial communitywide inventory, which used 2007 data. Since then, communitywide emissions have fallen by 12 percent due largely to cleaner electricity sources.



2018 GHG Emission Sectors

Lakewood's emissions come from four sectors: building, transportation, waste, and consumption-based. The building sector, which includes electricity and natural gas, is the largest contributor to Lakewood's greenhouse gas emissions. Between 2007 and 2018, building emissions decreased by 21%, reflecting the increasingly cleaner electrical grid.

The waste and consumption-based sectors continued to increase from 2007 and 2015 levels by 45 percent and 11 percent, respectively. The transportation sector decreased emissions by 13 percent from 2007 levels. This trend is difficult to attribute, as methodologies are adjusted and improved over the years; however it may reflect an increase in fuel efficiency and the use of alternative fuels.

The 2018 GHG inventory updated indicated that Lakewood is on track to meet its 20 percent reduction goal, but we still have a long way to go. View the report at Lakewood.org/SustainabilityPlan.

A The City of Lakewood earned an "A" grade for its response to the 2018 CDP questionnaire, a global platform used by cities and companies to disclose environmental data. The "A" grade represents a Leadership city, which demonstrates best practice standards across adaptation and mitigation, has set ambitious but realistic goals and made progress towards achieving those goals. Leadership cities have strategic, holistic plans in place to ensure the actions they are taking will reduce climate impacts and vulnerabilities of the residents, businesses and organizations residing in their city.





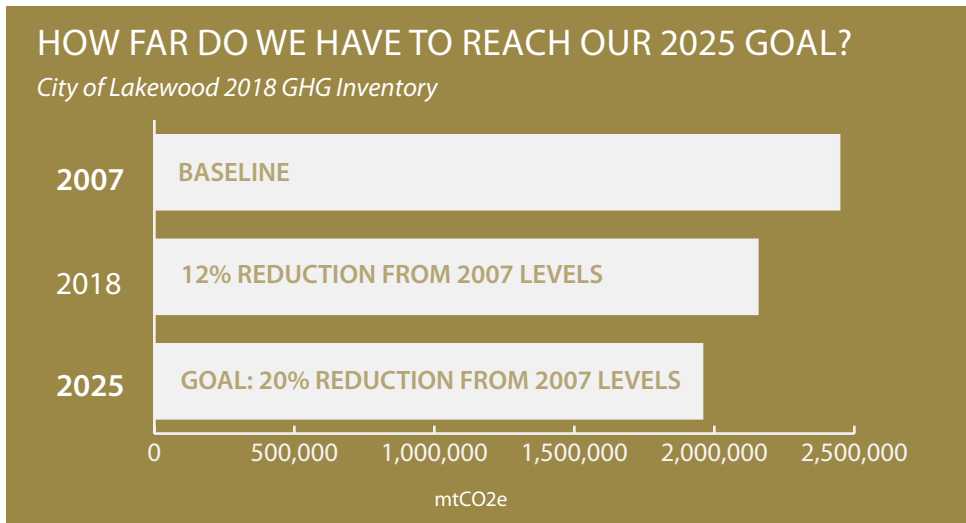
CLIMATE CHANGE AND ADAPTATION

2018–2019 PROGRESS SNAPSHOT

A full list of metrics can be found in Appendix A.

2025 TARGET	BASELINE	MOST CURRENT	CHANGE FROM BASELINE	NOTES	STATUS
Reduce communitywide greenhouse gas emissions by 20% below 2007 levels.	2,447,746 mtCOe	2,162,112 mtCOe	-12%	Measured in metric tons of carbon dioxide equivalent (mtCOe) using the Global Protocol for Community-scale GHG Inventories (GPC) methodology; the 2018 inventory may increase slightly when the city receives updated aviation emission numbers	●
Reduce communitywide greenhouse gas emissions by 50% below 2007 levels.	2,447,746 mtCOe	2,162,112 mtCOe	-12%		●

● The target is on track ● The target is not on track ● The target is TBD




2018 GHG INVENTORY

Lakewood 2018 GHG Inventory


WE STILL HAVE 203,915 mtCO₂e TO GO!

According to the EPA GHG Equivalencies Calculator, that's the equivalent to:



43,294
CARS NOT DRIVEN
FOR ONE YEAR

+



71,125
TONS OF WASTE
RECYCLED

ENERGY, WATER, AND THE BUILT ENVIRONMENT

SUSTAINABILITY PLAN CHAPTER 2



2015 SUSTAINABILITY PLAN GOALS

Ensure affordable energy for Lakewood while transitioning to renewable energy sources.

Significantly enhance resource efficiency in Lakewood buildings.

Encourage development in Lakewood that values the natural environment and supports public health and community cohesion.

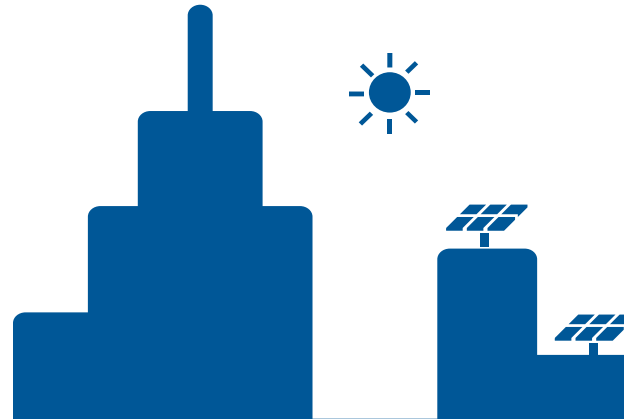
TARGETS

- Generate 45 percent of municipal, residential, commercial and industrial energy from renewable sources by 2025.
- Reduce municipal building and facility energy use by 30 percent by 2025.
- Reduce citywide building energy use intensity by 20 percent by 2025.
- Reduce citywide water use by 20 percent by 2025.
- Increase the percentage of certified green buildings each year from 2015 to 2025.

- The target is on track
- The target is not on track
- The target is TBD

2018-2019


HIGHLIGHTED INITIATIVES



01 THE ROAD TO RENEWABLE ENERGY
With the addition of 1,015 kW providing solar generated energy to nearly 90 electricity meters, the city is now generating 49% of its electric energy from renewable sources.

02 SUSTAINABLE DEVELOPMENT

The recently adopted Enhanced Development Menu requires large developments to add sustainable and community elements that help maximize the community benefits of new development.



03 SAVING ENERGY, WATER & MONEY
The city partnered with Mile High Youth Corps to deliver water and energy saving measures to Lakewood's low-income residents. The program engages young adults for a year of service installing the improvements.

04 GREEN & EFFICIENT PARKS

The Lakewood Parks Division completed an upgrade of the irrigation systems in the parks, further decreasing the 30% water savings experienced since the first generation of the Central Irrigation system.

01 THE ROAD TO RENEWABLE ENERGY

The Lakewood Sustainability Plan set goals to generate 45 percent of energy from renewable sources both communitywide and for its municipal operations by 2025. Through the Energy Future Collaborative, a partnership between the city and Xcel Energy, the city has signed up for a 1,015 kW share of Xcel's new 50MW solar system located in Deer Trail, CO. With the electric grid mix of energy that the city receives from Xcel (29 percent renewable) and the projected energy generation from

the new solar subscription, the city estimates 49 percent of its electric energy will be generated from renewable sources by 2020. In order to achieve the 45 percent renewable energy goal from all sources, the city will need to address energy from heating and transportation fuels. Staff is continuing to identify and implement strategies to achieve this goal, including the exploration of PV solar on municipal rooftops.



02 SUSTAINABLE DEVELOPMENT

As part of the [Lakewood Development Dialogue](#), an effort by City Council, Planning Commission, and city staff to address issues related to growth and the quality of life in Lakewood, the city adopted the Enhanced Development Menu. The menu is a new land use policy requiring new, large developments to choose from a menu of items that support the natural environment, public health, self-sufficiency and community cohesion while providing direct benefits to the surrounding community. Example menu items include:

- Renewable energy procurement
- Landscape water budgeting
- Recycling and composting services
- Transit station improvements
- Public art

The menu provides a mechanism to pilot innovative development standards that advance community goals and can be modified over time in order to promote development that contributes towards our community's sustainability vision.



Public art in Lakewood



Transit station improvements

03 SAVING ENERGY, WATER AND MONEY

by Jeslin Shahrezaie, Director of Development & Marketing, Mile High Youth Corps

In 2018, the City of Lakewood and the [Mile High Youth Corps](#) (MHYC) partnered together to deliver water and energy saving measures at no cost to Lakewood's most vulnerable residents. MHYC's [Energy & Water Conservation program](#) engages young adults for a year of service providing energy and water efficiency measures to low-income households and non-profit facilities. The program pairs technical skills with career readiness training in topics including leadership development, communication and interview skills.

Over the program period that began in August 2018, 350 homes will receive high-efficiency toilets, bathroom and kitchen sink aerators and low-flow showerheads. In addition to these retrofits, clients will learn how to be environmental stewards in the home. Low-income residents can find out if they are eligible at [MileHighYouthCorps.org](#). Since the program began 107 home assessments have been made, leading to measures that will annually save 2.5 million gallons of water and 117,000 kWh of energy. These measures are anticipated to save more than \$280 per household per year, demonstrating a true triple-bottom line impact.

“These measures are anticipated to save more than \$280 per household per year.”



Mile High Youth Corps staff and residents



04 GREEN & EFFICIENT PARKS



The Lakewood Parks Division has been implementing innovative water conservation efforts in Lakewood's parks since the drought of the early 2000s. Recently, Parks staff completed an upgrade of its Central Irrigation System by replacing controllers and other hardware and implementing new software to operate the system. The Central Irrigation System allows programming, monitoring and management of multiple irrigation systems, all from one central location. This means roughly 180 irrigation controllers located throughout

the city relay their information back to a centralized computer, where irrigation managers can monitor and manage water flows. At some of Lakewood's larger park sites, the system has prevented the loss of more than 500 gallons per minute, during pipe breakages. This has helped the city avoid the loss of tens of thousands of gallons of water in one night. The system's ability to shut off irrigation across the city during a rain event also saves an average of over two million gallons of water per night.



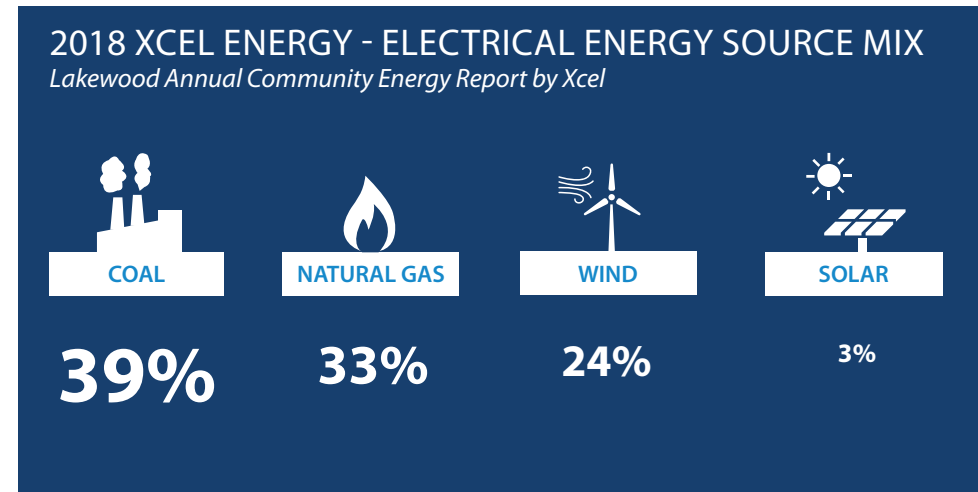
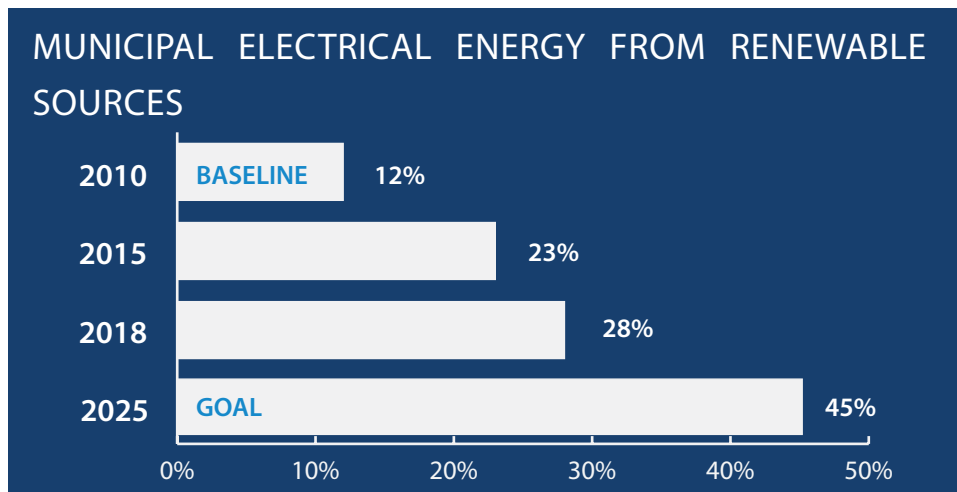
ENERGY, WATER, AND THE BUILT ENVIRONMENT

2018–2019 PROGRESS SNAPSHOT

A full list of metrics can be found in Appendix A.

2025 TARGET	BASELINE	MOST CURRENT	CHANGE FROM BASELINE	NOTES	STATUS
Generate 45% of municipal energy from renewable sources	12%	28%	+16 points	This only includes electric energy. A full assessment is yet to be completed for energy from heating and transportation fuels. The city's new renewable energy subscription will be reported in 2020.	●
Generate 45% of residential energy from renewable sources	12%	28%	+16 points	See above note	●
Generate 45% of commercial and industrial energy from renewable sources	12%	28%	+16 points	See above note	●
Reduce municipal building and facility energy use intensity by 30%	.062mmbtu/ft ²	0.10 mmbtu/ft ²	+56%	Includes electric and gas energy consumption normalized for weather. Based on data from occupied city buildings.	●
Reduce citywide building energy use intensity by 20%	2,832,699 MWh	2,959,969 MWh	+4%	Includes both electric and gas energy consumption; data is not normalized for weather	●
Reduce citywide water use by 20%	8,762,212 kgal	8,229,418 kgal	-5%	Adjusted for weather	●
Increase the percentage of certified green buildings each year	6 buildings	23 buildings	+283%	Does not include number of sites in progress	●

● The target is on track ● The target is not on track ● The target is TBD



SUSTAINABLE ECONOMY

SUSTAINABILITY PLAN CHAPTER 3



2015 SUSTAINABILITY PLAN GOALS

Cultivate a sustainable, prosperous and self-reliant local economy.

Foster self-sufficiency and upward mobility of Lakewood households.

TARGETS

- Increase local food assets annually through 2025.
- Achieve participation from 20 local businesses in the first three years of implementing a green business certification program.
- Increase the percentage of households in CDBG qualified neighborhoods spending less than 45 percent of income on housing and transportation costs to 60 percent by 2025.
- Increase the number of households above the Living Wage Standard by 15 percent by 2025.
- Increase the number of housing units within a designated Complete Neighborhood by 25 percent by 2025.

- The target is on track
- The target is not on track
- The target is TBD

2018-2019

HIGHLIGHTED INITIATIVES

01 SUSTAINABLE ECONOMICS BY YOUTH

The students at Dunstan Middle School show their understanding of the complex topic of sustainable economics in the Lakewood Sustainability Plan for Kids. They offer action steps for kids to help create a sustainable economy in Lakewood!

02 BUSINESS SUSTAINABILITY SUMMIT

Alameda Connects and the Alameda Corridor Business Improvement District held their inaugural Business Sustainability Summit that focused on helping businesses develop actionable sustainability strategies.

03 FLEISHER FAMILY FARM - SUSTAINABILITY AWARD WINNER

The Fleisher Family Farm provides a convenient location for families to purchase their organic fruits and vegetables, contributing to the local economy while also supporting community's health and well-being.



01 SUSTAINABLE ECONOMICS ILLUSTRATED BY LAKEWOOD YOUTH

Sustainable economics can be a complex topic, difficult for even adults to understand. The students at Dunstan Middle School showed their understanding of local food, businesses, education and workforce by translating the Lakewood Sustainability Plan into kid-friendly language and pictures. As they made their way through the Sustainable Economy chapter of the plan, they took a field trip to Warren Tech Farm to learn about local food and organic farming. They even came up with a list of what kids can do to help support a sustainable economy:

- Eat produce when it is in season because it will help the community not waste food.
- Learn about a sustainable economy and teach others about it!
- Go to farmers markets or local farms with their parents on the weekends.
- Shop at local and small businesses, not chain restaurants and supermarkets.
- The school can have a farmer's market field trip, or have a fundraiser to help parks and other community needs.
- Give your old toys to poor kids or other younger kids, so the amount of toys being thrown out decreases.
- Teach your friends how to save their money, to help put them on the path of life and get them ready for the economy when they grow up.
- Have a garden at their house or become a part of a community garden to get fresh and local food.

You can read the entire plan online at Lakewood.org/KidsPlan.



Poster created by students to illustrate a sustainable local economy

02 BUSINESS SUSTAINABILITY SUMMIT

by Tom Quinn, Alameda Connects Executive Director



Business Sustainability Summit Host & Panelists

Alameda Connects and the Alameda Corridor Business Improvement District (ACBID) held their inaugural Business Sustainability Summit on May 17. With the theme “ability for small business sustainability” the summit focused on helping businesses to develop both short and long-term actionable sustainability strategies. The summit brought together business owners, managers and interested community members to hear presentations on best practices and lessons learned on sustainability topics including waste and recycling, energy conservation, transportation and employee wellness.

The summit keynote was given by the sustainability manager for Snooze restaurant on their four pillars of sustainability and community- People, Planet, Profit and Pancakes. Lakewood Sustainability Manager Jonathan Wachtel moderated a panel discussion on sustainability with representatives from Wordbank, The Alliance Center and Abrusci’s Fire and Vine. The summit was planned as the beginning of a conversation on creating a sustainable business corridor on West Alameda and at the conclusion attendees were asked to write down one action they planned to take. Alameda Connects and ACBID will be following up with attendees over the coming year regarding their planned actions.

03 FLEISCHER FAMILY FARM - SUSTAINABILITY AWARD WINNER

The Fleischer Family Farm is a Lakewood-local business with a triple-bottom line—people, planet and profit. The farm provides a convenient location for families to purchase their organic fruits and vegetables, contributing to the local economy while also supporting community's health and well-being. Paul and Chelsie Fleischer, the farm's owners, manage the farm using sustainable farming methods including using insects and natural plants to regulate pollination and to minimize damage by pests.

The Fleischer Family Farm also provides education to customers and the community through weekend classes that teach the basics of urban farming and encourage neighbors to connect through volunteer opportunities at the farm's food stand operated on Saturday mornings.

The Fleischer Family Farm was recognized as a 2019 Sustainability Award winner and is a model for businesses that want to contribute to our local economy, protect our environment and strengthen the fabric of our community.



Fleischer Family Farm workshop

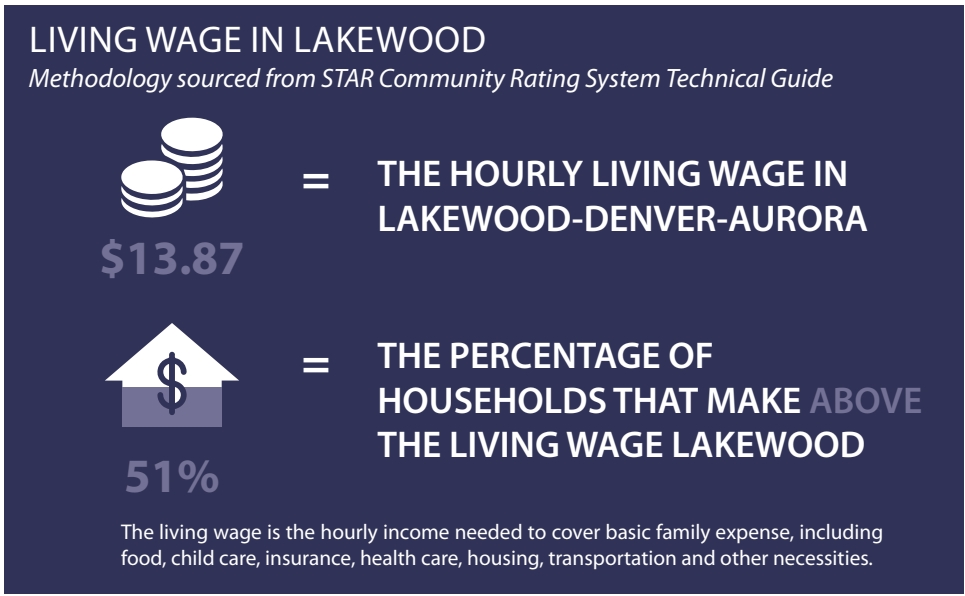
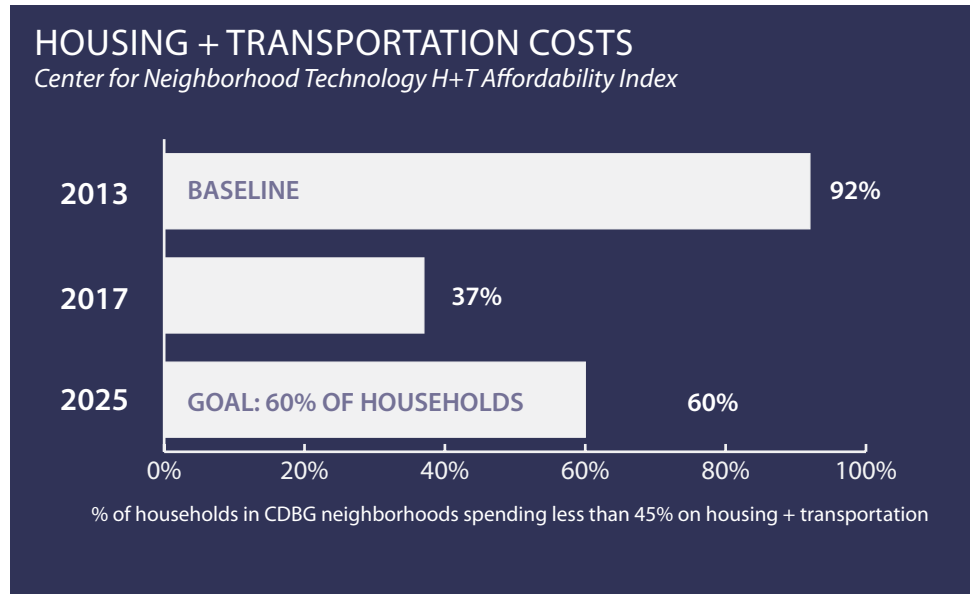
SUSTAINABLE ECONOMY

2018–2019 PROGRESS SNAPSHOT

A full list of metrics can be found in Appendix A.

2025 TARGET	BASELINE	MOST CURRENT	CHANGE FROM BASELINE	NOTES	STATUS
Increase local food assets annually.	37	49	+32%	Includes community gardens, farms, Community Supported Agriculture sites and farmers markets	●
Increase the percentage of households in CDBG qualified neighborhoods spending less than 45% of income on housing and transportation costs to 60%	24,399 households (92%)	8,798 households (37%)	-64%	N/A	●
Increase number of households above Living Wage Standard by 15%	32,843 (53% of hh)	33,038 (51% of hh)	<-1%	Methodology sourced from STAR Community Rating System Technical Guide	●

● The target is on track ● The target is not on track ● The target is TBD



ZERO WASTE

SUSTAINABILITY PLAN CHAPTER 4



2015 SUSTAINABILITY PLAN GOALS

Create a culture of zero waste in Lakewood through education, municipal operations, infrastructure and services.

Foster sustainable household waste management.

Foster sustainable commercial waste Management.

TARGETS

- Achieve a 60 percent communitywide diversion rate by 2025.
- Achieve an 80 percent diversion rate at the Civic Center by 2025.
- Achieve increased diversion rates for specific municipal facilities.
- Achieve a 90 percent diversion rate at City of Lakewood Earth Day and Cider Days events.
- Achieve a 60 percent residential and construction and demolition diversion rate by 2025.
- Achieve a 60-90 percent diversion rate for priority waste streams.

- The target is on track
- The target is not on track
- The target is TBD

2018–2019

HIGHLIGHTED INITIATIVES

01 ROUNDTABLE ON RESIDENTIAL WASTE

The Sustainability Division spent the summer of 2018 in the community, inviting residents to join the conversation about residential waste collection. City staff attended 21 events and had face-to-face conversations with more than 500 residents.



02 ZERO WASTE YOUTH SPORTS

In 2019 the Lakewood Youth Sports staff began efforts to divert waste from landfills and encourage healthy snack alternatives. Staff stopped providing individually wrapped snacks and even added recycling bins to the outdoor sports fields.

03 SCHOOL LUNCHROOM WASTE REDUCTION

Members of the Sustainable Green Mountain Neighborhood set a goal to reduce lunchroom waste via education, communication, monitoring and positive reinforcement. They rescued over 2,000 containers of milk and donated them to the Action Center.



01 ROUNDTABLE ON RESIDENTIAL WASTE COLLECTION



At first glance, trash pickup seems like a straight-forward topic, but a closer look reveals a range of complex issues, impacts and trade-offs. Lakewood currently has an “open subscription” trash collection system, which means homeowners must individually sign up for trash and recycling collection services through any of the private companies that are licensed to collect trash in Lakewood. The city requires haulers to license annually, but does not regulate services, scheduling or costs.

The open subscription system fulfills the basic community need of removing waste from residential properties, however it does not address how waste is collected, transported, deposited or processed. As a result, concerns related to public health, household costs, level of service, neighborhood nuisance, environmental pollution, infrastructure and other concerns have been raised by the community over the past 30 or more years. In addition to these long-standing concerns, the 2015 Lakewood Sustainability Plan established community goals that are impacted by the current waste collection system. These include targets for diverting materials away from landfills, improving air quality and reducing greenhouse gas emissions.

In order to address these concerns, city staff spent the summer of 2018 in the community, inviting residents to join the conversation about residential waste collection. City staff collected feedback online and in person at softball games, markets, concerts, neighborhood picnics and more. All in all, city staff:

- Attended 21 events
- Had face-to-face conversations with more than 500 folks
- Reached more than 20,000 through social media
- Received more than 160 postcard surveys
- Received more than 600 online surveys and comments
- Attracted more than 1,900 visitors to this project website
- Engaged with more than 270 visitors through this project website

This collected feedback was compiled with findings from three years of staff research to develop the [2019 Lakewood Residential Trash Collection Report](#). Based on the report’s findings, City Council directed staff to gather additional, Lakewood-specific details on waste hauling options. This step includes gathering potential pricing and services if the city were to contract with private haulers for citywide service or if the city were to add rules for haulers operating in Lakewood. The City Council will review these details to determine Lakewood’s next steps.

Learn more about the project at LakewoodTogether.org/Lakewood-Roundtable.



Staff speaks to residents about trash at the Family Farm Fiesta

02 ZERO WASTE YOUTH SPORTS

by Eric Gavinski, City of Lakewood Recreation Programmer

In 2019 the Lakewood Youth Sports staff began efforts to divert waste from landfills. In previous years, staff handed out individually-wrapped snacks to all league participants after games. The Youth Sports staff recognized this as an opportunity to eliminate the hundreds of wrappers produced each Saturday from the Youth Sports Leagues and encourage healthy snack alternatives. Staff stopped providing the individually wrapped snacks and encouraged parents to bring their own healthy snacks for their children. In March of 2019, Youth Sports staff went a step further and began efforts to increase recycling at outdoor sports fields. Previously, Youth Sports fields only had trash collection receptacles. Recycling receptacles are now available during outdoor Youth Sports practices and games, helping to divert plastic from landfills.



Youth sports excited about recycling



Kids recycle at a Saturday T-Ball game

03 SCHOOL LUNCHROOM WASTE REDUCTION - SUSTAINABILITY AWARD WINNER

Milk cartons, juice bottles, meal trays, chip bags, forks, spoons and much more! School cafeterias generate a lot of waste. As members of the Sustainable Green Mountain Neighborhood, Mary Gilkison and Barbara Mills-Bria saw this waste challenge as an opportunity to make a positive environmental impact while educating the next generation. The pair set a goal to reduce lunchroom waste in the Green Mountain area schools via education, communication, monitoring and positive reinforcement. Through collaboration with school principals and lunchroom staff, they completed waste audits and identified milk cartons and beverage containers as the most common recyclable materials being thrown away.

The two women set up recycling collection stations and educated students about the importance of recycling. While they were busy helping these schools build their lunchroom recycling programs, they also rescued more than 2,000 containers of unopened milk as well as hundreds of juices and fruits and donated them to the Action Center.

Mary and Barb have dedicated hundreds of hours to this effort since they started this program last August. To date, four of the five elementary schools have initiated a recycling program, and Mary and Barb are not done yet!



Mary and Barb with the Green Mountain Elementary School team



Mary and Barb with school recyclables

ZERO WASTE

2018-2019 PROGRESS SNAPSHOT

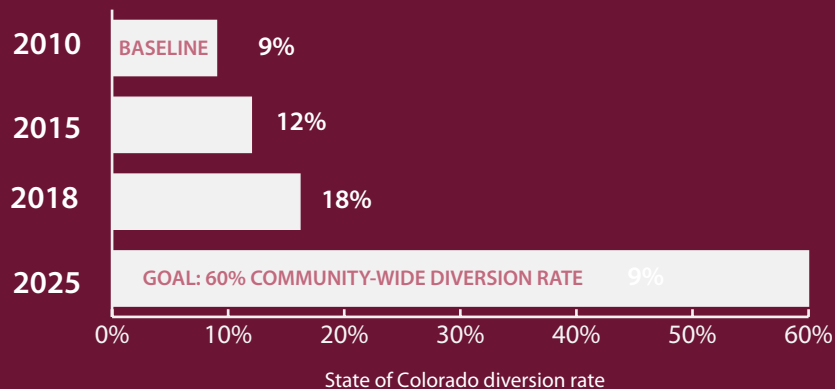
A full list of metrics can be found in Appendix A.

2025 TARGET	BASELINE	MOST CURRENT	CHANGE FROM BASELINE	NOTES	STATUS
Achieve a 60% communitywide diversion rate	9%	18%	+9 points	Baseline based on statewide total; current year based on Front Range region total. Metric includes commercial and residential waste. Residential waste alone is estimated at a 10% diversion rate.	●
Achieve an 80% diversion rate at the Civic Center	68,433 lbs	68,433 lbs	-	The city is currently working with its trash hauler to obtain accurate data for trash generated. Metrics include pounds recycled and composted.	●
Achieve increased diversion rates for specific municipal facilities	11th Ave - 6192 lbs Patterson - 7392 lbs Daniels - N/A Lasley - N/A	11th Ave - 8727 lbs Patterson - 9931 lbs Daniels - 5,285 lbs Lasley - 2,460 lbs	11th Ave: +34% Patterson: +41%	Head Start classrooms were selected due to their recent zero waste program launch and youth impact. Metrics include pounds recycled and composted.	● ●
Achieve a 90% diversion rate at City of Lakewood Earth Day and Cider Days events	Cider Days: 87% Earth Day: 80%	Cider Days: 92% Earth Day: 93%	Cider Days: +5 points Earth Day: +13 points	More than 11,790 lbs of material from Cider Days 2018 and 170 pounds of material at Earth Day 2019 were recycled or composted.	●

● The target is on track ● The target is not on track ● The target is TBD

PROGRESS TOWARDS COMMUNITY-WIDE ZERO WASTE

Colorado Department of Public Health and the Environment



2018 ZERO WASTE EVENTS

Events include: 8 Sustainable Neighborhoods events, Cider Days 2018, Earth Day 2018, Employee Picnic, Sounds Exciting and Big Boom Bash.



13
EVENTS HELD



29,233
ATTENDEES



12,950
POUNDS
DIVERTED

COMMUNITY COHESION AND PUBLIC HEALTH

SUSTAINABILITY PLAN CHAPTER 5



2015 SUSTAINABILITY PLAN GOALS

Strengthen community cohesion, increase civic participation and celebrate diversity.

Promote physical well-being through healthy eating and active living.

Promote social equity and provide strong supportive services.

TARGETS

- Increase the percentage of residents reporting “good” or “very good” satisfaction ratings for Lakewood’s efforts at welcoming citizen involvement as reported in the City of Lakewood Citizen Survey to 60 percent by 2025.
- Increase resident subscriptions to city communication tools each year through 2025.
- Certify 12 neighborhoods as “Outstanding Sustainable Neighborhoods” in the Sustainable Neighborhoods Program by 2025.
- Increase recreation program participation each year through 2025.
- Eliminate USDA-defined food deserts in Lakewood.
- Achieve community affordable housing targets.
- Increase the percentage of residents reporting “good” or “very good” satisfaction ratings for Lakewood programs for people with special needs, older adults, low-income persons and homeless people to above Front Range benchmarks.

● The target is on track

● The target is not on track

● The target is TBD

2018–2019

HIGHLIGHTED INITIATIVES

01 SUSTAINABILITY PLAN FOR KIDS

In 2018, Dunstan Middle School dedicated an elective class to the study of Lakewood’s Sustainability Plan with the goal of writing a kid-friendly version of the Plan with examples, artwork, photography and ideas all developed by the students.



03 ADDRESSING HOMELESSNESS & HOUSING

Jefferson County communities are working on initiatives to better coordinate and address issues relating to homelessness in our communities and several sustainable, affordable housing developments are under construction.



02 LAKEWOOD’S SUSTAINABLE NEIGHBORHOODS

In 2018 and 2019, Lakewood’s eight neighborhoods continued to grow their initiatives to achieve unique sustainability goals. This included hosting the second Sustainable Neighborhood Network Leadership Retreat in Lakewood.

01 INVOLVING LAKEWOOD KIDS IN PLANNING FOR SUSTAINABILITY

“We students at Dunstan Middle School are very concerned about the potential impacts that not sustaining our environment could have for the future of Colorado and the rest of the world. A singular kid can make a lasting impact on the world, and those of us in Ms. Hoffa’s class aim to be those kids.”



Kids Plan Cover

Students from Dunstan Middle School tackled the Lakewood Sustainability Plan to create a kid-friendly version by translating tough concepts through straightforward language, compelling artwork, striking photographs and action steps for kids to help achieve sustainability goals. The semester-long elective class taught by science teacher Audrey Hoffa, with support from guest speakers and several field trips, involved 32 students working through each chapter of the Sustainability Plan and re-imagining the content to make it accessible to kids.

The end result is a plan written by kids, for kids. It’s full of images and ideas all developed by middle school students.

This partnership also stimulated new relationships with other schools and youth groups. In the spring of 2019, city staff worked with students at Carmody Middle School to bring elements of the plan into their curriculum. Staff spoke to the kids about zero waste living and brought in Camille Ferrandino, the city’s fitness and wellness coordinator to speak about proper nutrition habits, prevention of chronic diseases and developing healthy physical activity routines. Our Sustainable Neighborhoods also partnered with the schools this year! You can read about their sustainable cafeteria school efforts on page 30.

You can read the entire plan online at Lakewood.org/KidsPlan.

02 LAKEWOOD'S SUSTAINABLE NEIGHBORHOODS

CONTINUED OUTSTANDING EFFORTS

While no new neighborhoods joined the Sustainable Neighborhoods in 2018, the existing eight neighborhoods continued to grow their initiatives and achieve unique sustainability goals. Whether it was recycling over 7,800 pounds of paint at a community paint recycling event, running a weekly produce market for 11 consecutive weeks, educating residents and businesses about the importance of refusing single use plastics, or any one of the dozens of neighborhood initiatives, Lakewood's Sustainable Neighborhoods continued to provide the community with valuable sustainability education and services in 2018 and 2019, engaging a total number of 8,407 residents.

GROWING THE NETWORK

Lakewood's neighbor to the east, Denver, is in its sixth year of implementing the Sustainable Neighborhoods Program, which it adopted from Lakewood in 2013. In 2018, another front range city decided to initiate the Sustainable Neighborhoods Program. Fort Collins now has four neighborhoods participating as Sustainable Neighborhoods. Together, these municipalities make up the Sustainable Neighborhood Network.



LEADERSHIP DEVELOPMENT

In February 2019 Lakewood hosted the Sustainable Neighborhood Network Leadership Retreat where over 70 residents from Lakewood and Denver convened to participate in team-building activities and attend workshop sessions on engaging youth, improving local food access and changing behaviors around sustainability. The retreat kicked off on a Friday with a reception at Valkarie Art Gallery in Belmar - complete with local art and delicious food. On Saturday, Lakewood and Denver residents met at CityScape at Belmar. Among the highlights of the retreat were the neighborhood presentations. These presentations provide residents with the opportunity to teach one another about the projects and are available to view on the [City's Sustainability Facebook page](#).



Group Photo at the 2019 Leadership Retreat in Lakewood



Mayor Adam Paul and resident Suzie Linenberger with her Leadership Award

03 ADDRESSING HOMELESSNESS & HOUSING

by Amy Deknikker, City of Lakewood Principal Planner

HOMELESSNESS

The City of Lakewood, in partnership with Jefferson County and neighboring municipalities, will be conducting the first ever Jefferson County Comprehensive Homeless Count in August 2019 in order to obtain more accurate data than what is currently used to count the number of people experiencing or at risk of homelessness in Jefferson County. In addition to counting people, information will be gathered about demographics and supportive service needs and barriers. By measuring the full scope, we have a chance of designing services and policies to prevent homelessness and ensure it is short-lived and rare when it does occur. Results of the Jefferson County Comprehensive Homeless Count will be available in January 2020.

In another effort to better coordinate and address issues relating to homelessness in our communities, Lakewood and its neighbors are implementing a coordinated strategy to assist the homeless or those at risk of homelessness with needed resources. Each municipality in Jefferson County will be hiring one or more Homeless Navigators to assist with their community's homeless needs. The Homeless Navigators will work within their own jurisdiction while also working directly with the other Homeless Navigators to coordinate efforts. In Lakewood, the Homeless Navigators will be located in the Police Department within the Community Action Team in coordination with the Planning Department as the program is implemented in 2020.

HOUSING

Through Lakewood's inclusion in the Jefferson County HOME Consortium, three Lakewood developments were awarded federal grant funds to build new, quality, affordable housing units. All three are expected to be completed by the end of 2019.

- Eiber Village at Garrison Station will redevelop existing vacant, blighted buildings into affordable senior rental apartments. The units will be solar powered and energy efficient with no gas or on-site fossil fuel use. Free electric vehicle charging stations will be available for residents and edible and low-water use landscaping will be incorporated. The development will honor and preserve the memory of the locally designated historic Hospice of Saint John site by incorporating historic displays and memorial gardens on-site.
- Indy Street Flats will involve the adaptive reuse of a currently vacant Masonic lodge, the rehab of units at Belmont Manor and construction of a new building. Amenities will include community space, fitness center, on-site laundry, community gardens, playground, proximity to transit, and an outdoor dining area.
- The Flats at Two Creeks will house a range of populations, including low-income homeless veterans, a critically underserved population in the region. The property will include an exercise room, computer lab, TV room, proximity to transit and on-site case management.

COMMUNITY COHESION AND PUBLIC HEALTH

2018–2019 PROGRESS SNAPSHOT

A full list of metrics can be found in Appendix A.

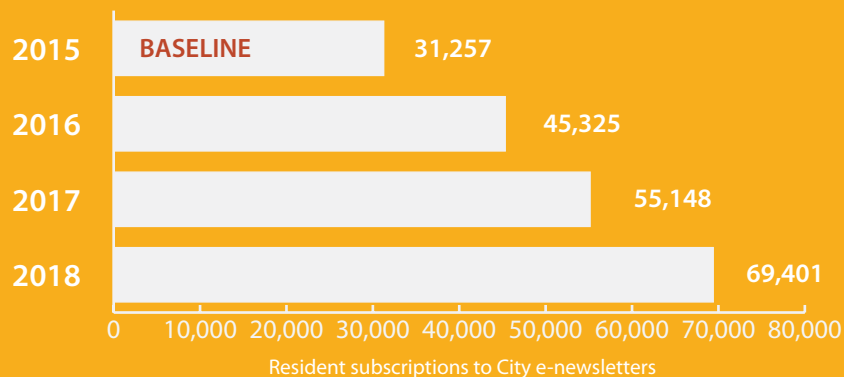
2025 TARGET	BASELINE	MOST CURRENT	CHANGE FROM BASELINE	NOTES	STATUS
Increase the percentage of residents reporting “good” or “very good” satisfaction ratings for Lakewood’s efforts in welcoming citizen involvement as reported in the City of Lakewood Citizen Survey to 60%.	57%	39%	-12 points	City of Lakewood Citizen Survey	●
Increase resident subscriptions to the city communication tools each year.	31,251	69,401	+122%	Residents may subscribe to more than one newsletter and thus be double counted; some subscribers may not be Lakewood residents.	●
Certify 12 neighborhoods as Outstanding Sustainable Neighborhoods in the Sustainability Neighborhoods Program.	2	8	+6	The program began in 2012; the baseline reflects the program’s first full year.	●*
Increase recreation program participation each year.	352,000	487,000	+38%	Includes participation at city recreation centers, pools and, as of 2017, the Clements Center.	●
Eliminate USDA-defined food deserts in Lakewood.	6	4	-33%	N/A	●
Increase the percentage of residents reporting “good” or “very good” satisfaction ratings for Lakewood programs for people with special needs, older adults, low-income persons and homeless people to above Front Range benchmarks	Older Adults: 60% Special Needs: N/A Low-Income: N/A Homeless: N/A	Older Adults: 59% Special Needs: 42% Low-Income: 41% Homeless: 31%	N/A	City of Lakewood Citizen Survey; in 2010, only the older adults category was benchmarked; in 2018, benchmark comparisons were not available in any category.	●

● The target is on track ● The target is not on track ● The target is TBD

* Additional resources will be necessary to continue program expansion

CITY COMMUNICATION

City Newsletter Subscriptions



SUSTAINABLE NEIGHBORHOOD NETWORK

2018-2019 Credit Year Participation

8,407 RESIDENTS ENGAGED IN



28
EVENTS



45
WORKSHOPS



59
CLUB MEETINGS

NATURAL SYSTEMS

SUSTAINABILITY PLAN CHAPTER 6



2015 SUSTAINABILITY PLAN GOALS

Mitigate the negative effects of the built environment and human behavior on Lakewood's natural systems to ensure biodiversity and enhance ecosystem services.

Enhance Lakewood's resilience to the impacts of climate change using green infrastructure and ecosystem-based adaptation.

TARGETS

- Increase the acreage of functional and healthy natural ecosystems.
- Ensure that all waters within Lakewood meet or exceed the Colorado Department of Public Health and Environment's Water Quality Standards for the uses assigned.
- Achieve tree canopy coverage of 30 percent by 2025.

- The target is on track
- The target is not on track
- The target is TBD

2018-2019

HIGHLIGHTED INITIATIVES

01 LAKEWOOD LOVES TREES

In honor of Lakewood's 50th Anniversary, the Lakewood Loves Trees program offered residents significantly discounted trees to plant in their yards. The program resulted in 75 trees planted.



02 2019 EARTH DAY CELEBRATION

Lakewood's 2019 Earth Day Celebration was the best-attended in 8 years, and was most successful at waste diversion! Over 2,000 people celebrated our planet with their neighbors, while contributing to a zero waste event by keeping 93% of waste out of the landfill.

03 SUSTAINABLE NATURAL SYSTEMS

Lakewood's Parks Division had another outstanding year of improving the health and sustainability of our natural areas and educating the community through events and partnerships, like using goats to reduce invasive weeds in William Frederick Hayden Park.

04 BEE SAFE PROGRAM EXPANDS TO 3 MORE NEIGHBORHOODS

The Bee Safe Neighborhood Program has expanded into three other Sustainable Neighborhoods. There are approximately 11,000 households in Lakewood neighborhoods that are working to be Bee Safe.



01 PLANTING TREES FOR LAKEWOOD'S 50TH ANNIVERSARY

This year, the city launched a tree-planting initiative to celebrate Lakewood's 50th Anniversary. Lakewood Loves Trees was launched to encourage residential tree planting and enhance the community's resilience to climate change through green infrastructure and ecosystem-based adaptation. By buying down the cost of premium shade trees, the city was able to offer residents a way to participate in celebrating Lakewood's anniversary while increasing tree canopy coverage. Participants purchased one of four species of trees at a reduced rate to plant in their yards. The program resulted in 75 trees planted, providing shade and oxygen (and much more!) for the future 50 years in Lakewood!



Trees at the Lakewood Greenhouse ready for residents to take home and plant



Staff from the Lakewood Parks division on Tree Pickup Day



02 EARTH DAY 2019

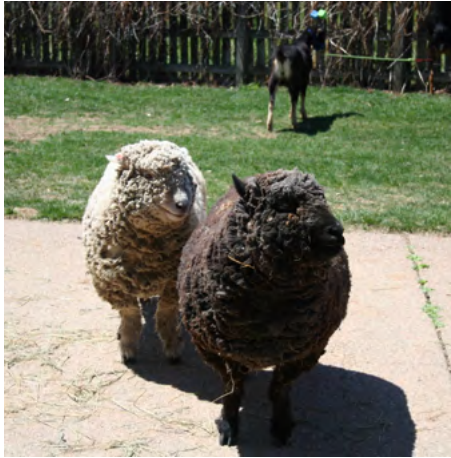


Kids climbing wall

Lakewood’s 2019 Earth Day Celebration was not only the best-attended in eight years; it was also the most successful at waste diversion. On a beautiful afternoon, more than 2,000 people celebrated our planet with their neighbors, while contributing to a zero waste event by keeping 93% of waste out of the landfill. Live music, educational workshops and fitness activities kept attendees engaged throughout the day. The Sustainable Neighborhood volunteers hosted a sustainable backyard demonstration and vendors provided information on electric vehicles, healthy living and more. Beer garden proceeds benefitted a local non-profit and food trucks were serving throughout the day. A huge thanks to the employee volunteer Earth Day Committee!



Mother Earth



Sheep in the sustainable backyard



Belly dancers



Event overview



Fitness drums activity

03 SUSTAINABLE NATURAL SYSTEMS

by Drew Sprafke, City of Lakewood Parks Supervisor

Lakewood's Parks Division had another outstanding year of improving the health and sustainability of our natural areas and educating the community through events and partnerships. Here are some highlights from the past year.

- Improved the sustainability of several shared use paths at William Frederick Hayden Park and Bear Creek Lake Park (BCLP) through reroutes and addition of better drainage structures.
- Presented environmental education programs to more than 6,000 participants.
- Hosted multiple volunteer stewardship events in the parks. These projects help build lifelong environmental stewards and resulted in miles of trail maintenance, planting of native trees and shrubs, litter cleanup, streambank restoration and other projects.
- Focused on reduction of invasive weeds in the parks to improve habitat, including using 250 goats on William Frederick Hayden Park.
- Planted over 130 pollinator plants, trees and shrubs on Earth Day 2019 around the BCLP visitor center to improve the low water use pollinator gardens.
- Partnered with Trout Unlimited two years in a row on Earth Day. They provided monetary donations to purchase native trees and shrubs, and volunteered to plant these and complete other riparian restoration work in the Bear Creek Greenbelt.
- Continuing removal of invasive Russian olive trees in the Bear Creek Greenbelt using grant funding from GOCO and labor from the Mile High Youth Corps.



Goats help reduce invasive weeds on William Frederick Hayden Park



Environmental education programs with youth

04 BEE SAFE PROGRAM EXPANDS TO 3 MORE NEIGHBORHOODS



The Eiber Sustainable Neighborhood collaborated with the Living Systems Institute to bring the Bee Safe Neighborhood program to Lakewood over five years ago. Bee Safe Neighborhoods bring neighbors together to create a place that is safe for bees and other pollinators, and for people too. Neighbors sign a pledge to create environments that are safe for bees and other pollinators by eliminating the use of insecticide products that contain neonicotinoids or systemics and planting bee-friendly plants.



In the past year, three more Sustainable Neighborhoods have decided to become Bee Safe. Volunteers from Sustainable Applewood, Green Mountain and Southern



Resilience Circle - Photo by Jim Rabiolo

Gables are educating their neighbors about the importance of creating Bee Safe yards and planting for pollinators. There are approximately 11,000 households within the four participating neighborhoods.

The major benefits that Bee Safe neighborhoods provide are:

- A safety zone for pollinators to collect pollen without being poisoned.
- A cleaner, healthier and more biologically diverse environment without toxins.
- A community of neighbors who are working together to improve the place they live.
- The personal satisfaction of knowing that we are helping to preserve the pollinators!

Residents can visit SustainableNeighborhoodNetwork.org/BeeSafe to learn how they can become a part of the Bee Safe initiative.



Example of a Bee Safe yard

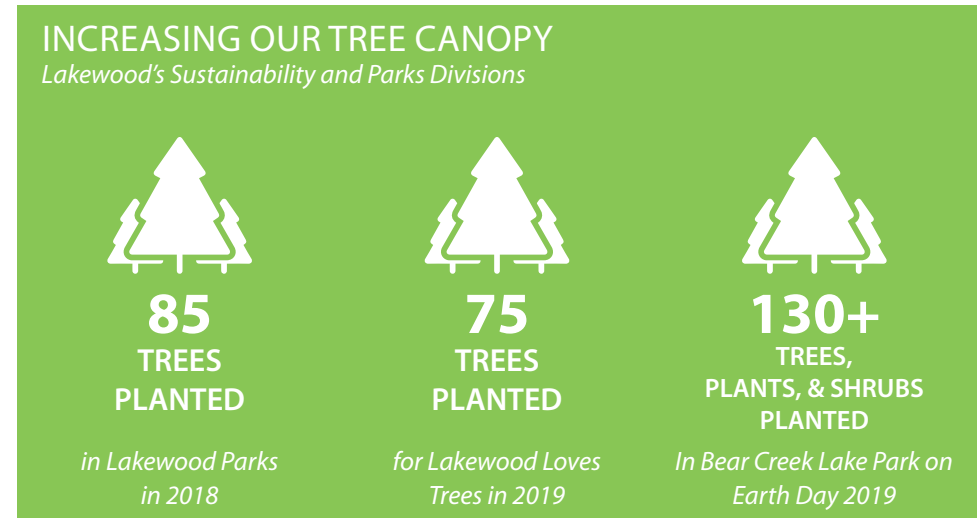
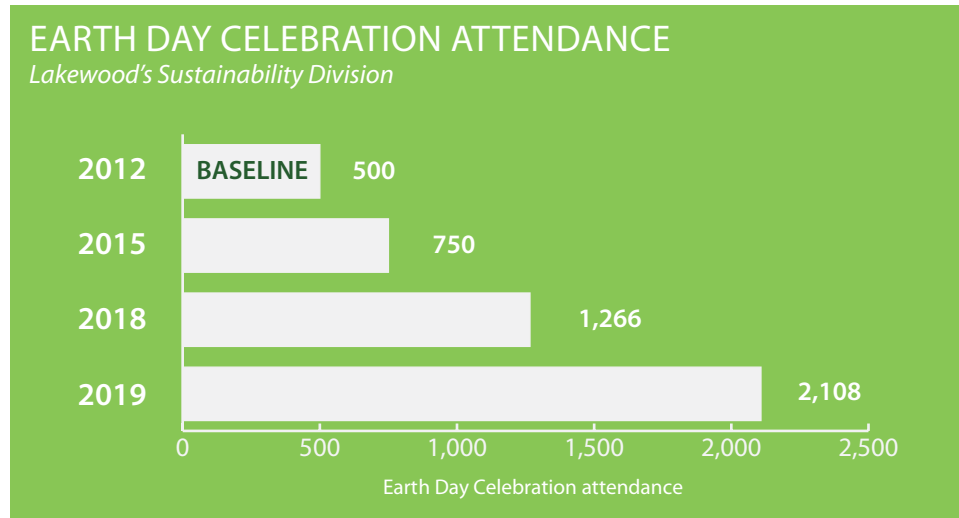
NATURAL SYSTEMS

2018–2019 PROGRESS SNAPSHOT

A full list of metrics can be found in Appendix A.

2025 TARGET	BASELINE	MOST CURRENT	CHANGE FROM BASELINE	NOTES	STATUS
Ensure that all waters within Lakewood meet or exceed the CDPHE's Water Quality Standards for the uses assigned	1 body of water impaired	1 body of water impaired	0%	Bear Creek Reservoir is regularly monitored for phosphorus (P) and chlorophyll a (Chl-a) levels that might exceed the existing TMDL requirements. All designated reservoir uses are currently being met. The known nutrient impairment will continue to be managed by Lakewood staff and the Bear Creek Water Association.	●
Achieve 30% tree canopy coverage	7.8%	7.8%	0%	i-Tree uses NLCD land cover, tree canopy and impervious surface data; this calculation is for Lakewood land cover as a whole, not just the urban tree canopy.	●

● The target is on track ● The target is not on track ● The target is TBD



TRANSPORTATION

SUSTAINABILITY PLAN CHAPTER 7



2015 SUSTAINABILITY PLAN GOALS

Develop, maintain and operate sustainable transportation systems and infrastructure.

Foster sustainable transportation choices in Lakewood.

TARGETS

- Convert all streetlights to LED or other high efficiency lighting technologies by 2025.
- Reduce Lakewood's daily per capita vehicle-miles-traveled by 10 percent by 2025.
- Reduce the percent of trips to work by single-occupancy vehicles from 75 percent to 65 percent by 2025.
- Reduce petroleum-based fuel consumption of the city fleet by 2025.

- The target is on track
- The target is not on track
- The target is TBD

2018-2019

HIGHLIGHTED INITIATIVES

01 BICYCLING UPDATES

The city's Transportation Engineering Division was awarded several grants to improve Lakewood's bicycle and pedestrian network. The Lakewood Bicycle Advisory Team is working to create a low-stress bike network.



02 WEST CORRIDOR TRANSPORTATION MANAGEMENT ASSOCIATION

The West Line Corridor Collaborative, a partnership of Lakewood, the City and County of Denver, Metro West Housing Solutions and the Denver Housing Authority launched the Association to promote transit options along the W Line corridor.

03 SUSTAINABLE SUBURBAN COMMUTING

The City of Lakewood Employee Commuter Rewards Program was a success in its pilot year - within these seven months, employees logged 4,916 trips and 43,157 miles. Bicycling was the most popular mode of travel, but employees also traveled by transit, walking and carpooling.

01 BICYCLING UPDATES

FROM THE CITY

By Christina Lane, City of Lakewood Alternative Transportation Coordinator

The city's Transportation Engineering Division was awarded several grants this year to improve Lakewood's bicycle and pedestrian network. A Safe Routes to School grant will fund the construction of a sidewalk along 1st Ave, providing a safer walking environment for the 100+ Creighton Middle School students who walk along 1st Ave every day. The Safe Routes to School grant will also have educational and encouragement programming that will aid parents and students in shifting their commuting behaviors. An Active People Active Places grant will

provide funding for painted bike boxes that provide a safe space for bicyclists on Garrison Street at the Alameda intersection, the first bike boxes in Lakewood! This will allow bicyclists to get out in front of traffic when hitting a red light, prioritizing the bicyclists and allowing them to clear the intersection instead of competing for space with motorists.

In addition to the work funded by these grants, the city is upgrading several bike lanes to buffered bike lanes and continue to work with the Lakewood Bicycle Advisory Team (LBAT) to offer [Bicycle-Friendly Certified Driver and Auto-Friendly Bicyclists](#) training opportunities.



2019 Bike Streets

FROM THE COMMUNITY

By Gary Harty, Founder of Lakewood Bicycle Advisory Team

In addition to its educational initiatives, the [Lakewood Bicycle Advisory Team](#) (LBAT) is collaborating with the [Bike Streets Project](#) to identify and encourage use of a low stress bicycle network. This network could supplement [Lakewood's Bicycle Master Plan](#) by providing a low-cost way to rapidly roll out a comprehensive bicycle network employing the concept of the neighborhood bikeway or bike boulevard. A low-stress bicycle network means:

- Quiet streets
- Lower traffic volumes
- Slower traffic speeds
- Connectivity between home and favorite destinations
- Comfortable place to ride for children and riders of all abilities

With such a network we can, as a community start to enjoy these outcomes:

- Less traffic congestion and the frustrations associated with congestion
- Greater safety for all road users
- Better individual health outcomes
- Cleaner air for all to breathe
- Reduction in vehicles miles traveled and consumption of fossil fuels
- Actually enjoying travel to favorite destination



02 WEST CORRIDOR TRANSPORTATION MANAGEMENT ASSOCIATION

by Michael Hughes, West Corridor Transportation Management Association

The West Line Corridor Collaborative, a partnership of the City of Lakewood, the City and County of Denver, Metro West Housing Solutions and the Denver Housing Authority, launched the West Corridor Transportation Management Association to promote convenient transportation options along the W Line corridor and throughout Lakewood, Jefferson County, Golden and West Denver. The association seeks to enhance mobility, foster economic prosperity and reduce traffic congestion and air pollution.

EMPLOYERS AND EMPLOYEES

Many of the miles traveled are to and from work. The association helps employers and employees work together to create vanpools, carpools and alternative work schedules, and to take advantage of the region's system of buses, trains, bikeways and walking paths.

TRANSIT AFFORDABILITY

The association helps those who need transit and

alternative transportation find the most economic way to get to their destination. This summer, the TMA is working with RTD to make the new LIVE Pass available to those who rely on transit and need to find the most affordable way to travel.

NEW DEVELOPMENT

As housing costs rise, developers respond with higher density and look for ways to control construction costs, including parking costs. The TMA works with developers to build projects that take transportation seriously and help future residents walk, bike, take transit and reduce their demand for parking.

FUTURE PLANS IN THE WEST CORRIDOR

The association is working with cities and other public agencies to build plans and advance policies that will maximize mobility, relieve congestion and improve air quality.



Lakewood Buses



Lakewood Light Rail Station

03 SUSTAINABLE SUBURBAN COMMUTING

In 2018, the City of Lakewood completed its pilot year of the Employee Commuter Rewards Program, as a suburban commuting solution that meets the needs of the city's diverse employees including carpoolers trekking from Aurora, recreation instructors biking between classes, readers and knitters finding solace on a bus ride and new parents trying to fit in a calming bike ride to work a few times a week.

The Employee Commuter Rewards Program is a simple financial incentive that provides employees with \$1.50 per trip to or from work (or \$3 per day) that the employee takes by bike, transit, foot or carpool. The program builds upon other employee wellness benefits, including employee bike-share, showers, and free bike check-ups through a partnership with Green Mountain Sports.

The number of employees who participated in the pilot year was a 145% increase from the average number of employees participating in other City of Lakewood commuter efforts. Within these seven months, employees logged 4,916 trips and 43,157 miles. Bicycling was the most popular mode of travel, but employees also traveled by transit, walking and carpooling, which altogether kept 10,921,540 pounds of greenhouse gas emissions out of our atmosphere and burned off 768,404 calories.

Cumulatively, the program's impact is clear. But it's also had positive effects on a personal level. After learning about the program, one employee purchased a commuter bike, knowing that she would earn enough cash to justify the cost. Because of the overwhelmingly positive response to the program, the City of Lakewood is excited to continue the program into 2019 and continue offering an impactful program that works for the most employees possible.



Employee Bike Tuning on Lakewood Civic Center Plaza

SUSTAINABLE TRANSPORTATION

2018–2019 PROGRESS SNAPSHOT

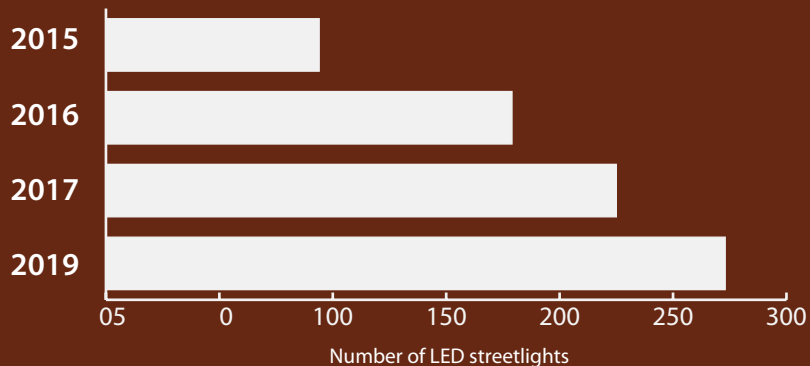
A full list of metrics can be found in Appendix A.

2025 TARGET	BASELINE	MOST CURRENT	CHANGE	NOTES	STATUS
Convert all streetlights to LED or other high efficiency lighting technologies	94	327	+248%	There are more than 7,800 streetlights in Lakewood. All city-owned streetlights are now LED. In 2018, the city entered into a deal with Xcel Energy requiring all streetlight repairs to include LED replacements.	●
Reduce the percent of trips to work by single-occupancy vehicles from 75% to 65% by 2025.	79%	78%	-1 point	United States Census Bureau American Fact Finder	●
Decrease petroleum-based fuel consumption of the city fleet by 10%	330,505 gallons	322,694 gallons	-2%	Data not normalized for weather	●

● The target is on track ● The target is not on track ● The target is TBD

ENERGY-EFFICIENT STREETLIGHTS

City of Lakewood Public Works Department



EMPLOYEE COMMUTER REWARDS PROGRAM

2018 Pilot Year Highlights

70 LAKEWOOD EMPLOYEES



LOGGED
4,916 TRIPS



COMMUTED
43,157 MILES



EARNED
\$8,365



AVOIDED
10,921,540 LBS

APPENDIX A

TARGETS AND INDICATORS

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
CLIMATE CHANGE & ADAPTATION	TARGET: Reduce communitywide greenhouse gas emissions by 20% below 2007 levels by 2025.							
	Greenhouse Gas Emissions	2007	2,447,746 mtCO2e	2018	2,162,112 mtCO2e	-12%	City of Lakewood Greenhouse Gas Inventory	Metric: metric tons of carbon dioxide equivalent (mtCO2e); Methodology: Global Protocol for Community-scale Greenhouse Gas Emission Inventories (GPC). The 2018 inventory may increase slightly when the city receives updated aviation emission numbers.
	TARGET: Reduce communitywide greenhouse gas emissions by 50% below 2007 levels by 2050.							
	Greenhouse Gas Emissions	2007	2,447,746 mtCO2e	2018	2,162,112 mtCO2e	-12%	City of Lakewood Greenhouse Gas Inventory	Metric: metric tons of carbon dioxide equivalent (mtCO2e); Methodology: Global Protocol for Community-scale Greenhouse Gas Emission Inventories (GPC). The 2018 inventory may increase slightly when the city receives updated aviation emission numbers.
	TARGET: Reduce municipal greenhouse gas emissions annually through 2025.							
Municipal Greenhouse Gas Emissions	-	-	-	-	-	-	-	Data not available

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
ENERGY, WATER, & THE BUILT ENVIRONMENT	TARGET: Generate 45% of municipal energy from renewable sources by 2025.							
	Percent of municipal energy from renewable sources	2010	12%	2018	28%	+16 points	Lakewood Annual Community Energy Report by Xcel Energy	Systemwide service data for Public Service Co. of Colorado. This only includes electric energy. A full assessment is yet to be completed for energy from heating and transportation fuels. The city's new renewable energy subscription will be reported in 2020.
	TARGET: Generate 45% of residential energy from renewable sources by 2025.							
	Percent of residential energy from renewable sources	2010	12%	2018	28%	+16 points	Lakewood Annual Community Energy Report by Xcel Energy	Systemwide service data for Public Service Co. of Colorado. This only includes electric energy. A full assessment is yet to be completed for energy from heating and transportation fuels.
	TARGET: Generate 45% of commercial and industrial energy from renewable sources by 2025.							
	Percent of commercial and industrial energy from renewable sources	2010	12%	2018	28%	+16 points	Lakewood Annual Community Energy Report by Xcel Energy	Systemwide service data for Public Service Co. of Colorado. This only includes electric energy. A full assessment is yet to be completed for energy from heating and transportation fuels.
	TARGET: Reduce municipal building and facility energy use intensity by 30% by 2025.							
	Municipal energy use intensity (mmbtu per square foot)	2015	.062	2018	.097	+56%	City of Lakewood Community Resources Department	Includes both electric and gas energy consumption normalized for weather. Based on data from occupied city buildings with energy use greater than 100 million British Thermal Units (mmbtu)
	TARGET: Reduce citywide building energy use intensity by 20% by 2025.							
	Citywide energy use in megawatt hours (MWh)	2012	2,832,699	2018	2,959,969	+4%	Lakewood Annual Community Energy Report by Xcel Energy	Includes both electric and gas energy consumption; data is not normalized for weather
	TARGET: Reduce citywide water use by 20% by 2025.							
	Citywide water use in gallons	2010	8,675,457	2018	8,229,418	-5%	Denver Water	Normalized for weather
TARGET: Increase the percentage of certified green buildings (new construction and renovations receiving occupancy permits) each year from 2015-2025.								
Percentage of certified green buildings within citywide building stock	2010	6	2018	23	+283%	Green Globes, USGBC LEED, and Living Building Challenge online project directories	Does not include number of sites in progress	

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
ENERGY, WATER, & THE BUILT ENVIRONMENT	Indicator: Kilowatts of on-site solar energy installed	2010	1,023	2018	2,226	+118%	Permit Data from City of Lakewood Public Works Department	Metric reflects number of kW installed each year, not cumulative kW installed.
	Indicator: Number of residential subscribers to community solar projects and wind source	2015	Windsor 2,500 Solar Garden 9	2018	Windsor 2,838 Solar Garden 33	Windsor +13% Solar Garden +266%	Lakewood Annual Community Energy Report by Xcel Energy	-
	Indicator: Annual energy resource mix as reported by Xcel Energy	2010	Coal: 61% Natural Gas: 27% Wind: 10% Hydro: 1% Other (includes solar): 1%	2018	Coal: 39% Natural Gas: 33% Wind: 24% Hydro: 1% Solar: 3% Other: 0%	Coal: -21 Natural Gas: +6 Wind: +14 Hydro: - Solar: +2 Other: -1	Lakewood Annual Community Energy Report by Xcel Energy	Systemwide service data for Public Service Co. of Colorado
	Indicator: Residential electricity and gas costs	2015	Electricity \$0.12/kWh Natural Gas \$0.78/therm	2018	Electricity \$0.11/kWh Natural Gas \$0.73/therm	Electricity -2% Natural Gas -2%	Lakewood Annual Community Energy Report by Xcel Energy	-
	Indicator: Number of business subscribers to community solar projects and wind source	2015	Windsor 16 Solar Garden 5	2018	Windsor 17 Solar Garden 11	Windsor +6% Solar Garden +120%	Lakewood Annual Community Energy Report by Xcel Energy	-
	Indicator: Commercial electricity and gas costs	2015	Electricity \$0.09/kWh Natural Gas \$0.48/therm	2018	Electricity \$0.09/kWh Natural Gas \$0.46/therm	Electricity 0% Natural Gas -4%	Lakewood Annual Community Energy Report by Xcel Energy	-
	Indicator: Kilowatts of energy generated from on-site renewable energy systems for municipal buildings	2010	0	2018	0	0%	City of Lakewood Community Resources Department	No on-site renewable energy systems for municipal buildings exist
	Indicator: Kilowatts of energy purchased from off-site renewable energy systems	2014	274	2018	274	0%	City of Lakewood Sustainability Division	The city purchased 274 kW in 2014. The city's new renewable energy subscription will be reported in 2020.
	Indicator: Energy use intensity by sector	-	-	-	-	-	-	Data not available

METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
Indicator: Municipal energy use intensity	2015	.062	2018	.097	+56%	City of Lakewood Community Resources Department	Includes both electric and gas energy consumption normalized for weather. Based on data from occupied city buildings with energy use greater than 100 million British Thermal Units (mmbtu)
Indicator: Water use by sector	-	-	-	-	-	-	Data not available
Indicator: Municipal water use	-	-	-	-	-	City of Lakewood Community Resources Department	Data to be collected upon implementation of utility tracking software
Indicator: Number of certified green building projects	2010	6	2018	23	+283%	Green Globes, USGBC LEED, and Living Building Challenge online project directories	Data does not include number of sites in progress
Indicator: Number of indoor air quality investigations and/or complaints filed with Jefferson County Public Health	-	-	-	-	-	-	Data not available
Indicator: Number of certified sites through the Sustainable Sites Initiative	2010	0	2018	0	0%	Sustainable Sites Initiative	-

		METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES	
SUSTAINABLE ECONOMY	TARGET: Increase local food assets annually through 2025.									
		Number of local food assets	2015	37	2018	49	+32%	City of Lakewood Planning Department	Includes community gardens, farms, Community Supported Agriculture sites and farmers markets	
	TARGET: Achieve participation from 20 local businesses in the first three years of implementing a green business certification program.									
		Number of certified green businesses	-	-	-	-	-	-	City of Lakewood green business certification program to be established	
	TARGET: Increase the percentage of households in CDBG qualified neighborhoods spending less than 45 percent of income on housing and transportation costs to 60% by 2025.									
		Number of CDBG qualified neighborhoods spending less than 45% of income on housing and transportation costs	2013	24,399 households (92%)	2017	8,798 households (37%)	-64%	Center for Neighborhood Technology (CNT) H + T Affordability index and City of Lakewood Planning Department	Will be updated as CDBG qualified neighborhood boundaries change. Current data uses 2006-2010 CDBG HH data.	
	TARGET: Increase number of households above Living Wage Standard by 15% by 2025.									
		Number of households above the Living Wage Standard	2010	32,843 (53% of hh)	2018	33,038 (51% of hh)	-<1%	US Census American Fact Finder, H12: Average Household Size of Occupied Housing Units by Tenure, and B19001- Household Income for the Past 12 Months	Methodology sourced from STAR Community Rating System Technical Guide	
	TARGET: Increase number of housing units within a designated Complete Neighborhood by 25% by 2025.									
	Number of housing units within a designated Complete Neighborhood	-	-	-	-	-	-	Criteria to be established after the completion of Sustainability Plan Strategy SE2-B, p. 65		
		METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	% CHANGE	SOURCE	NOTES	
	Indicator: Location quotients of specifically identified sectors	-	-	-	-	-	-	-	Data not available	
	Indicator: Urban agriculture permits issued	2014	93	2018	45	-52%	City of Lakewood Planning Department	"Urban agriculture permits" are small animal permits; permits not required for zone districts R-1-9, R-1-12, R-1-18, and R-1-43		
	Indicator: Acreage of community gardens and urban farms	2015	50+	-	-	-	-	City of Lakewood HEAL Cities & Towns Food Access Assessment Report	Data based on a single year report; only accounts for 7 of the 22 total community gardens and urban farms; 2018 data had not been released by the publication date	

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
SUSTAINABLE ECONOMY	Indicator: Funds deposited into locally owned and managed financial institutions	-	-	-	-	-	-	Data not available
	Indicator: Unemployment level	2010	Avg rate: 10% Avg no.: 7,956	2018	Avg rate: 2.7% Avg no.: 2,624	Avg rate: -7 points Avg no.: -67%	Bureau of Labor Statistics Data Finder	-
	Indicator: Jobs to labor force ratio	-	-	-	-	-	-	Data not available
	Indicator: Average "click rate" for the City Economic Development electronic newsletter	2015	3.5%	2018	4%	+0.5 points	Mailchimp.com	-
	Indicator: Median household income	2010	\$54,285	2017	\$61,058	+12%	U.S. Census American Fact Finder	2010 data adjusted for 2017 inflation
	Indicator: Percentage of households that meet or exceed the living wage standard	2010	53%	2018	51%	-2 points	U.S. Census American Fact Finder	Methodology pulled from STAR Community Rating System Technical Guide.
	Indicator: Percentage of households that spend more than 45% of income on housing and transportation costs	2013	45%	2017	44%	-1 point	Center for Neighborhood Technology (CNT) H + T Affordability index	-
	Indicator: Number of residents on waiting lists for subsidized units at MWHS properties	2015	200	2018	200	-	Metro West Housing Solutions	Metrics reported in households selected for wait list
	Indicator: Number of households in areas within a designated Complete Neighborhood	-	-	-	-	-	-	Criteria to be established after the completion of Sustainability Plan Strategy SE2-B, p. 65
	Indicator: Jefferson County Schools postsecondary and workforce readiness score	2012-2013	Exceeds: 3 Meets: 0 Approaching: 4 Does not meet: 2	2017-2018	Exceeds: 1 Meets: 3 Approaching: 1 Does not meet: 4	-	Colorado Department of Education	Number for each category represents number of high schools that meet each set of criteria

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
SUSTAINABLE ECONOMY	Indicator: High school graduation rates and postsecondary educational attainment	2010	High School Grad & Higher: 90% Bach. Degree and higher: 36%	2017	High School Grad & Higher: 92% Bach. Degree and higher: 38%	High School Grad & Higher: 2 points Bach. Degree and higher: 2 points	U.S. Census American Fact Finder	2018 data had not been released by the publication date
	Indicator: Participation in workforce development programs and skills training	2015	2,258 participants	-	-	-	American Job Center	Data not available

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
ZERO WASTE	TARGET: Achieve a 60% communitywide diversion rate by 2025.							
	Diversion rate	2010	9%	2018	18%	9 points	Colorado Department of Health and Environment	Baseline based on statewide total; current year based on Front Range region total.
	TARGET: Achieve an 80% diversion rate at the Civic Center by 2025.							
	Pounds recycled and composted	2018	68,433 lbs	2018	68,433 lbs	-	City of Lakewood Hauler Reports	The city is currently working with its trash hauler to obtain accurate, monthly data for trash generated.
	TARGET: Achieve increased diversion rates for specific municipal facilities.							
	Pounds recycled and composted	2017	11th Ave - 6192 lbs Patterson - 7392 lbs Daniels - N/A Lasley - N/A	2018	11th Ave - 8727 lbs Patterson - 9931 lbs Daniels - 5285 lbs Lasley - 2460 lbs	11th Ave +41% Patterson +34%	City of Lakewood Hauler Reports	The four Head Start Classrooms were selected to be tracked separately due to their recent zero waste program launch and youth impact
	TARGET: Achieve a 90% diversion rate at City of Lakewood Earth Day and Cider Days events.							
	Diversion rate	2014	Cider Days: 87% Earth Day: 80%	2018 2019	Cider Days: 92% Earth Day: 93%	Cider Days: + 5 points Earth Day: +13 points	City of Lakewood Community Resources and Planning Departments	More than 11,790 lbs of material from Cider Days 2018 and 170 pounds of material at Earth Day 2019 were recycled or composted.
	TARGET: Achieve a 60% residential diversion rate by 2025.							
	Diversion rate	2010	9%	2018	10%	1 points	City of Lakewood Sustainability Division	Baseline based on statewide total; current year based on recycling participation rate from 2016 Lakewood Trash and Recycling Survey and peer communities' diversion rates.
TARGET: Achieve a 60% construction and demolition diversion rate by 2025.								
Diversion rate	-	-	-	-	-	-	-	Data not available
TARGET: Achieve a 60-90% diversion rate for priority waste streams.								
Diversion rate	-	-	-	-	-	-	-	Priority waste streams to be established after the completion of Sustainability Plan Strategy ZW3-A, p. 89
	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	% CHANGE	SOURCE	NOTES
	Indicator: Number of residents engaged through zero waste outreach and education campaigns	2015	6 campaigns + events	2018	16 campaigns + events	+66%	City of Lakewood	Includes community events and other outlets providing zero waste education; 2018 included Cider Days, Sounds Exciting, Older Adult Wellness Fair, Sustainability Newsletter, 8 zero-waste Sustainable Neighborhoods events, Earth Day Celebration, Big Boom Bash, 2018 Recycling Campaign, and 2018 Roundtable engagement campaign.

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
ZERO WASTE	Indicator: Number of city facilities that offer recycling and composting collection	2015	Composting: 2 Recycling: 19	2018	Composting: 8 Recycling: 22	Composting: 300% Recycling: 16%	City of Lakewood Sustainability Division	Does not include recycling containers at park sites
	Indicator: Participation at special collection events	2015	Participation: 3,373 Pounds: 39,259 Gallons: 112	2018	Participation: 2,024 Pounds: 27,973 Gallons: 170	Participation: -40% Pounds: -29% Gallons: +51%	City of Lakewood Public Works, Police Department and Community Resources Departments	Participation: the number of vehicles at the CDBG Neighborhood cleanups, Shred Day and Cleanup Days Pounds: prescription drug take-back, holiday lights and Earth Day E-cycle (2018) Gallons: cooking oil
	Indicator: Volume of material collected at Quail Street Recycling Center	2012	1,200 tons	2018	1,585 tons	+32%	City of Lakewood Public Works Department	-
	Indicator: Volume of hazardous material collected at Rooney Road Recycling Center	2004	131	2018	288 tons	+120%	City of Lakewood Public Works Department	Rooney Road Recycling Center Authority Management Committee member jurisdiction
	Indicator: Residential diversion rate (seven units or fewer)	2010	9%	2018	18%	9 points	Colorado Department of Public Health	Baseline based on statewide total; current year based on Front Range region total.
	Indicator: Percentage of residents with recycling/composting services	-	-	2016	Recycling: 66%	-	City of Lakewood Trash and Recycling Survey	Data based on a single year survey targeted toward single-family residences
	Indicator: Percentage of residents who compost at home	-	-	2016	22%	-	City of Lakewood Trash and Recycling Survey	Data based on a single year survey targeted toward single-family residences
	Indicator: Residential diversion rate (more than eight units)	2010	9%	2018	18%	9 points	Colorado Department of Public Health	Based on statewide diversion total
	Indicator: Percentage of multifamily residences with recycling/composting services	-	-	-	-	-	-	Data not available
	Indicator: Commercial landfill diversion rates	2010	9%	2018	18%	9 points	Colorado Department of Public Health	Based on statewide diversion total

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
ZERO WASTE	Indicator: Number of restaurants and grocery stores participating in food composting program	-	-	-	-	-	-	Data not available
	Indicator: Number of individuals employed at reuse and resource recovery businesses	2015	34 businesses	-	-	-	City of Lakewood Finance Department	Data from city generated list of "Used Merchandise Stores" then filtered to include only reuse and resource recovery businesses; number of employees to be determined; 2018 data collection in process
	Indicator: C&D landfill diversion rates	-	-	-	-	-	-	Data not available

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
COMMUNITY COHESION & PUBLIC HEALTH	TARGET: Increase the percentage of residents reporting "good" or "very good" satisfaction ratings for Lakewood's efforts in welcoming citizen involvement as reported in the City of Lakewood Citizen Survey to 60% by 2025.							
	Percentage of residents reporting "good" or "very good" reporting satisfaction of welcoming citizen involvement in the Citizen Survey	2010	57%	2018	39%	-12 points	City of Lakewood Citizen Survey	-
	TARGET: Increase resident subscriptions to the city communication tools each year through 2025.							
	Number of resident subscriptions to city e-newsletters	2015	31,251	2018	69,401	+122%	Mailchimp.com	Residents may subscribe to more than one e-newsletter and thus be double counted; some subscribers may not be Lakewood residents
	TARGET: Certify 12 neighborhoods as "Outstanding Sustainable Neighborhoods" in the Sustainable Neighborhoods Program by 2025.							
	Number of Outstanding Sustainable Neighborhoods	2013	2	2019	8	+6	City of Lakewood Sustainability Division	The program began in 2012; the baseline reflects the program's first full year
	TARGET: Increase recreation program participation each year through 2025.							
	Number of participants in city recreation programs	2010	352,000	2018	487,000	+38%	City of Lakewood Community Resources Department	Includes participation at city recreation centers, pools and, as of 2017, the Clements Center.
	TARGET: Eliminate USDA-defined food deserts in Lakewood.							
	Number of USDA-defined food desert within the city boundary	2015	6	2018	4	-33%	U.S. Department of Agriculture Food Access Research Atlas	-
	TARGET: Achieve community affordable housing targets.							
	TBD	-	-	-	-	-	-	Criteria to be established after the completion of Sustainability Plan Strategy CC3-A, p.113
	TARGET: Increase the percentage of residents reporting "good" or "very good" satisfaction ratings for Lakewood programs for people with special needs, older adults, low-income persons and homeless people to above Front Range benchmarks.							
	Front Range benchmark comparison of the percentage of residents reporting "good" or "very good" satisfaction of programs for people with special needs, older adults, low-income persons, and homeless people	2010	Older Adults: Similar (60%) Special Needs: N/A Low-income: N/A Homeless: N/A	2018	Older Adults: N/A (59%) Special Needs: N/A (42%) Low-income: N/A (41%) Homeless: N/A (31%)	-	City of Lakewood Citizen Survey	City of Lakewood Citizen Survey; in 2010, only the older adults category was benchmarked; in 2018, benchmark comparisons were not available in any category. Percentages represent Lakewood citizen responses.

		METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
COMMUNITY COHESION & PUBLIC HEALTH	Indicator: Voter turnout in regular municipal elections	2010	71%	2017	30%	-56 points	City of Lakewood City Clerk's Office	No elections were held in 2018.	
	Indicator: Enrollment in citizen academies	2013	Planning Academy: 19 Police Academy: 24	2018	Planning Academy: 26 Police Academy: 9	Planning Academy: 37% Police Academy: -137%	City of Lakewood Planning and Police Departments	-	
	Indicator: Number of applications for citizen boards and commissions	2014	24	2018	65	+171%	City of Lakewood City Clerk's Office	Number varies on how many board or commission openings occur that year	
	Indicator: Number of volunteers participating in city programs and activities	2014	47,955 hours	2018	57,801 hours	+21%	City of Lakewood Community Resources Department	-	
	Indicator: Total page views on Lakewood.org	2015	4,546,627	2018	4,088,116	-10%	Google Analytics	-	
	Indicator: Number of followers of Lakewood social media channels	2015	20,773	2018	65,664	+216%	City of Lakewood City Manager's Office	-	
	Indicator: Number of Google Translate requests for Lakewood.org web pages	-	-	-	-	-	-	Data not available	
	Indicator: Minority resident satisfaction with the job Lakewood government does at welcoming citizen involvement	2010	52%	2018	45%	-7 points	City of Lakewood Citizen Survey	Percent responding "good" or "very good"	
	Indicator: Resident satisfaction with overall quality of life	2010	90%	2018	84%	-6 points	City of Lakewood Citizen Survey	Percent responding "good" or "very good"	
	Indicator: Number of participants in the Sustainable Neighborhoods Program	2013	763	2018/2019	8,407	+1,002%	City of Lakewood Sustainability Division	The program began in 2012; the baseline reflects the program's first full year. The Network's credit year is from June 2018 through May 2019.	
	Indicator: Number of registered neighborhood organizations	2015	129	2018	142	+10%	City of Lakewood Planning Department	-	

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
COMMUNITY COHESION & PUBLIC HEALTH	Indicator: Number of neighborhoods, households and people registered on NextDoor.com	2015	102 neighborhoods	2018	138 neighborhoods	+35%	City of Lakewood	-
	Indicator: Participation in Lakewood's Inspire Arts Week	2013	2,500	2018	8,258	+230%	City of Lakewood Community Resources	2018 increase in attendance due to the addition of the ArtLine Launch and new partners like RMCAD and newly included galleries
	Indicator: Attendance at city Cultural and Heritage programs	2010	85,606	2018	217,040	+354%	City of Lakewood Community Resources	Annual HCA audit of paid and free attendance
	Indicator: Annual number of public art installations	-	-	2018	Permanent: 27 Temporary: 61	-	City of Lakewood Community Resources + Comprehensive Planning	Most of the art installed in 2018 was associated with the 40W ArtLine.
	Indicator: Acreage of community gardens and urban farms	2015	50+	-	-	-	City of Lakewood HEAL Cities & Towns Food Access Assessment Report	Data based on a single year report; only accounts for 7 of the 22 total community gardens and urban farms
	Indicator: Number of households in identified food deserts	2015	11,018	2016	6,071	-45%	United States Department of Agriculture Food Access Research Atlas	-
	Indicator: Resident's satisfaction with recreation programs and facilities	2010	Programs: 78% Facilities: 81%	2018	Programs: 80% Facilities: 80%	Programs: +2 points Facilities: -1 point	City of Lakewood Citizen Survey	-
	Indicator: Number of unique visits to city recreation facilities	-	-	-	-	-	City of Lakewood Community Resources Department	Data not available
	Indicator: Bicycle traffic counts	2017	Average Weekday Usage along: Garrison St @ 500: 50 Bear Creek Trail E. of Estes: 106	2018	Average Weekday Usage along: Garrison St @ 500: 47 20th Ave @ Youngfield: 44 26th Ave @ 9230: 66 32nd Ave @ Simms St: 150		City of Lakewood Public Works Department	2018 bicycle counts at Garrison Street were conducted in July 2018, at 20th Avenue in September 2018, 26th Avenue in July 2018, and 32nd Avenue in August 2018; 2017 bike counts at Garrison Street were conducted in October 2017, at Bear Creek Trail in August 2017
	Indicator: Level of Bicycle or Walk Friendly Community certification	2014	Bronze	2018	Bronze	-	The League of American Bicyclists Bicycle Friendly Community Report Card	-
Indicator: Jefferson County public health selected health conditions and causes of death	2011	Leading Causes of Death: Cancer: 21% Cardiovascular Diseases: 24% Unintentional Injuries 7%	2016	Leading Causes of Death: Cancer: 28% Cardiovascular Diseases: 27% Unintentional Injuries 11%	Leading Causes of Death: Cancer: +7 Cardiovascular Diseases: +3 Unintentional Injuries: +4	Jefferson County Public Health Community Health Assessment	Data reported for Jefferson County as a whole	

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
COMMUNITY COHESION & PUBLIC HEALTH	Indicator: Number of residents on waiting lists for subsidized units at Metro West Housing Solutions properties	2015	200	2018	200	-	Metro West Housing Solutions	Metrics reported in households selected for wait list
	Indicator: Percentage of households that spend more than 45% of income on housing and transportation costs	2013	45%	2017	44%	1 point	Center for Neighborhood Technology (CNT) H + T Affordability index	-
	Indicator: Participation in City of Lakewood Family Services programs	2015	56,167	2018	59,805	+6%	City of Lakewood Community Resources Department	-
	Indicator: Number of people served through the Action Center	-	-	2017	Over 20,000	-	The Action Center	-
	Indicator: Resident's feelings of safety	2013	In your neighborhood during the day: 96% Walking alone in your neighborhood after dark: 72%	2018	In your neighborhood during the day: 96% Walking alone in your neighborhood after dark: 66%	In your neighborhood during the day: - Walking alone in your neighborhood after dark: -6 points	City of Lakewood Citizen Survey	Feelings of safety were not surveyed prior to 2013

		METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
NATURAL SYSTEMS	TARGET: Increase the acreage of functional and healthy natural ecosystems.								
	Acreage of functional and healthy natural systems		-	-	-	-	-	-	Criteria to be established after the completion of Sustainability Plan Strategy NS1-C, p. 128
	TARGET: Ensure that all waters within Lakewood meet or exceed the CDPHE's Water Quality Standards for the uses assigned.								
	Number of waters in Lakewood that meet or exceed the CDPHE's Water Quality Standards		2015	1 body of water impaired	2018	1 body of water impaired	0%	Colorado Department of Health and Environment, Water Quality Control Commission, Colorado's Section 303(D) List of Impaired Waters and Monitoring and Evaluation List	Bear Creek Reservoir is regularly monitored for phosphorus (P) and chlorophyll a (Chl-a) levels that might exceed the existing TMDL requirements. All designated reservoir uses are currently being met. The known nutrient impairment will continue to be managed by Lakewood staff and the BCWA.
	TARGET: Achieve 30% tree canopy coverage by 2025.								
Percent coverage		2011	7.8%	2017	7.8%	0%	i-Tree Landscape Tool	i-Tree uses NLCD land cover, tree canopy and impervious surface data; this calculation is for Lakewood land cover as a whole, not just the urban tree canopy; 2018 data had not been released by the publication date	
		METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
		Indicator: Acreage of land cover by habitat type	2011	Developed: 20,904.2 acres Forest: 195 acres Wetland: 927.5 acres Water: 642.9 acres Other: 5,529.1 acres Cultivated: N/A	-	-	-	i-Tree Landscape Tool	i-Tree uses NLCD land cover, tree canopy, and impervious surface data; "other" includes shrub/scrub, grassland/herbaceous, and barren land; 2018 data had not been released by the publication date
		Indicator: Acres of Colorado List A noxious weed species on city owned property	2015	30	2018	23	-23%	City of Lakewood Community Resources Department	List A noxious weed species currently/ formerly seen and controlled: purple loosestrife, orange hawkweed, myrtle spurge, cypress spurge
		Indicator: Population counts of key indicator species	-	-	-	-	-	City of Lakewood Community Resources Department	No official inventory or identification process has been established; species most likely include native pollinators, bats and some amphibians
		Indicator: Number of developments that have installed or retrofitted BMP's to improve water quality	2015	57	2018	47	-17%	City of Lakewood Public Works Department	-





	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
NATURAL SYSTEMS	Indicator: Number of environmental education programs and outreach events	2013	108	2018	121	+12%	City of Lakewood Community Resources Department	-
	Indicator: Attendance at Lakewood's annual Earth Day Celebration	2012	500	2019	2,108	+321%	City of Lakewood Sustainability Division	-
	Indicator: Percentage of permeable land	2011	68%	2018	62%	-6 points	i-Tree Landscape Tool	i-Tree uses NLCD land cover, tree canopy, and impervious surface data
	Indicator: Percentage of 100-year flood plain w/ vegetative coverage	-	-	-	-	-	-	Data not available





	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
TRANSPORTATION	TARGET: Convert all streetlights to LED or other high efficiency lighting technologies by 2025.							
	Number of LED streetlights	2015	94	2018	327	+248%	City of Lakewood Public Works Department	There are more than 7,800 streetlights in Lakewood. All city-owned streetlights are now LED. In 2018, the city entered into a deal with Xcel Energy requiring all streetlight repairs to include LED replacements.
	TARGET: Reduce Lakewood's daily per capita VMT by 10% by 2025.							
	Vehicle miles traveled (VMT)	2015	17.2	2015	17.2	0%	Denver Regional Council of Governments (DRCOG) Travel Models	Data is collected every 5 years, 2015 is the most recent baseline year.
	TARGET: Reduce the percent of trips to work by single-occupancy vehicles from 75% to 65% by 2025.							
	Number of single-occupancy trips	2010	54,989	2017	63,265	+15%	United States Census Bureau American Fact Finder	2018 data had not been released by the publication date
	Percent of trips to work that are single-occupancy	2010	79%	2017	78%	-1 point	United States Census Bureau American Fact Finder	2018 data had not been released by the publication date
	TARGET: Decrease petroleum-based fuel consumption of the city fleet by 10% by 2025.							
Gallons of petroleum-based fuel consumed	2010	330,505	2018	322,694	-2%	City of Lakewood Public Works Department	Data not normalized for weather	
METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES	
Indicator: Annual vehicles miles traveled in street maintenance operations	2010	156,865	2018	251,002	+60%	City of Lakewood Public Works Department	Data not normalized for weather	
Indicator: Concentration of criteria air pollutants	-	-	-	-	-	-	Data not available	
Indicator: Street construction waste diversion rates	-	-	-	-	-	City of Lakewood Public Works Department	Per city regulations, no waste is generated. All materials for street construction programs (concrete and overlay) are recycled or reused.	
Indicator: Percentage of recycled materials used in street maintenance and construction	-	-	-	-	-	City of Lakewood Public Works Department	Materials being recycled are asphalt binder and aggregates; per city, no more than 20% recycled asphalt pavement (RAP) may be used on collector and arterial streets overlay; no more than 30% RAP on patching, minor collectors and residential streets.	
Indicator: Street and signal lighting energy use	2013	7,024,646 kWh	2018	6,897,061 kWh	-2%	City of Lakewood Public Works Department	Data includes metered, non-metered, flasher and flat rate usage; 2017 data collection in process	

	METRIC	BASELINE YEAR	BASELINE	MOST CURRENT YEAR	MOST CURRENT	CHANGE	SOURCE	NOTES
TRANSPORTATION	Indicator: Commuter mode split	2010	Drove alone: 79% Carpooled: 9% Transit: 4% Walked: 2% Other: 6%	2017	Drove alone: 78% Carpooled: 8% Transit: 5% Walked: 1% Other: 8%	Drove alone: -1 point Carpooled: -1 point Transit: +1 point Walked: -1 point Other: +2 points	United States Census Bureau American Fact Finder	2018 data had not been released by the publication date
	Indicator: Transit ridership	2010	3,959,935	2018	4,517,632	+14%	Regional Transportation District, Service Development Department	Data derived from RTD reports; data reflects the average annual ridership based on average total daily passengers at each bus and light rail stop in Lakewood
	Indicator: Percentage of household income spent on transportation	2013	19%	2017	19%	0%	Center for Neighborhood Technology (CNT) H + T Affordability index	-
	Indicator: Bicycle level of service	-	-	-	-	-	-	Methodology undetermined
	Indicator: Number of miles of bike trails and routes and number and length of missing segments	2015	317 mi. of trails and routes	2018	334 mi. of trails and routes	+5% for trails and routes	City of Lakewood Community Resources and Public Works Departments	Includes bike lane miles, paved shoulders, shared roadways and shared use paths
	Indicator: Bicycle traffic counts	2017	Average Weekday Usage along: Garrison St @ 500: 50 Bear Creek Trail E. of Estes: 106	2018	Average Weekday Usage along: Garrison St @ 500: 47 20th Ave @ Youngfield: 44 26th Ave @ 9230: 66 32nd Ave @ Simms St: 150		City of Lakewood Public Works Department	2018 bicycle counts at Garrison Street were conducted in July 2018, at 20th Avenue in September 2018, 26th Avenue in July 2018, and 32nd Avenue in August 2018; 2017 bike counts at Garrison Street were conducted in October 2017, at Bear Creek Trail in August 2017
	Indicator: Number of alternative fuel vehicles in Lakewood	2015	Jeffco: 275	2018	Jeffco: 1,782	Jeffco: +548%	Colorado Department of Revenue, Division of Motor Vehicles	Alternative fuel vehicles refers to only electric vehicles
	Indicator: Number of alternative fuel vehicles in the City's fleet	2015	5	2018	5	0%	City of Lakewood Public Works Department	First Generation Prius Hybrid and Chevy Volts
	Indicator: Number of alternative fuel stations in Lakewood	2015	7	2018	14	+100%	US Department of Energy	-
	Indicator: Average miles per gallon of vehicles in Lakewood	-	-	-	-	-	Colorado Department of Revenue, Division of Motor Vehicles	Data not available

STATUS OF IMPLEMENTATION STRATEGIES

The rating system used in this report places implementation strategies into four categories:

	The strategy implementation is complete .
	Significant progress has been made on implementing this strategy.
	Implementation is underway .
	Implementation has not started .

PROGRESS		STRATEGY	NOTES
CLIMATE CHANGE & ADAPTATION		CCA1-A Greenhouse Gas Data Collection, Tracking and Reporting. <i>Regularly monitor Lakewood's greenhouse gas emissions.</i>	Community GHG inventories have been completed for 2007, 2015 and 2018. Municipal GHG inventory has not been completed.
		CCA1-B Greenhouse Gas Reduction Strategies. <i>Utilize emission reduction assessments to prioritize and implement greenhouse gas reduction strategies.</i>	Some assessments are being used to inform project and program outcomes. Additional strategies for implementing GHG impacts into organizational-wide decision making are necessary.
		CCA1-C Climate Change Vulnerability Study <i>Conduct a climate change vulnerability assessment, recognizing that future conditions and threats will be different from current or historical conditions.</i>	Currently, staff is utilizing regional vulnerability assessments for Colorado and other front range communities.
		CCA1-D Climate Preparedness Plan <i>Based on the climate change vulnerability study, develop a climate preparedness plan to prepare for multiple climate futures.</i>	



Complete











Significant Progress



Implementation Underway



Not Started

PROGRESS	STRATEGY	NOTES
	<p>BE1-A</p> <p>Renewable Energy Transmission and Generation <i>Expand renewable energy generation and access while ensuring necessary transmission infrastructure.</i></p>	<p>Opportunity to prioritize as part of the current Energy Futures Collaborative with Xcel Energy.</p>
	<p>BE1-B</p> <p>District-Scale Sustainability <i>Establish unique districts within Lakewood where community sustainability goals are achieved through customizable guidelines.</i></p>	<p>Federal Center property was originally identified as a potential site for this strategy. No alternative site has been identified.</p>
	<p>BE1-C</p> <p>Sustainable Energy and Water Resource Center <i>Establish a resource center to provide information and consulting services to residents and businesses related to energy and water conservation and renewable energy generation.</i></p>	<p>Implementation will be ongoing to ensure up-to-date resources.</p>
	<p>BE1-D</p> <p>Municipal Renewable Energy Generation <i>Develop a municipal renewable energy generation strategy to increase the percentage of municipal energy and fuel generated from renewable sources such as wind, solar, advanced biofuels and other alternatives to fossil fuels.</i></p>	<p>This is a prioritized strategy for implementation. Staff has identified several pathways that could facilitate 100% renewable electricity for municipal buildings.</p>
	<p>BE2-A</p> <p>Efficiency in Resource Intensive Buildings <i>Target resource intensive buildings for efficiency improvements.</i></p>	
	<p>BE2-B</p> <p>Reporting & Benchmarking Energy and Water Use <i>Develop a campaign to encourage voluntary benchmarking of energy and water consumption at the building or site scale through the use of utility data tracking software.</i></p>	
	<p>BE2-C</p> <p>Resource Efficient Municipal Facilities <i>Effectively manage and reduce municipal energy and water use.</i></p>	<p>Newly implemented utility management software and energy performance contracts.</p>
	<p>BE2-D</p> <p>Resource Efficient Building Codes <i>Conduct a review of the newest edition of building and energy codes on a regular basis to ensure the best fit for protecting life and safety, economic climate and support of city sustainability goals.</i></p>	<p>New codes adopted. Updates should occur approximately every three years.</p>

ENERGY, WATER, & THE BUILT ENVIRONMENT



Complete






Significant Progress



Implementation Underway



Not Started

PROGRESS	STRATEGY	NOTES
	<p>BE3-A</p> <p>LEED Standards for Municipal Buildings <i>Adopt an ordinance requiring that all newly constructed municipal buildings with year-round occupancy meet at least LEED Silver standards from the USGBC.</i></p>	<p>Research into best practices is currently underway.</p>
	<p>BE3-B</p> <p>Green Building Construction and Retrofits <i>Target significant developments for green building and sustainable site design support, including minimizing hazardous materials, creating healthy indoor spaces, resource efficiency and using locally and sustainably sourced materials.</i></p>	
	<p>BE3-C</p> <p>Sustainable Site Planning and Development <i>Integrate key elements of the Sustainable Sites Initiative (SSI) to integrate into the city's site planning standards.</i></p>	<p>Various elements adopted as part of the Lakewood Development Dialogue zoning code update process.</p>



Complete










Significant Progress



Implementation Underway



Not Started

	PROGRESS	STRATEGY	NOTES
SUSTAINABLE ECONOMY		<p>SE1-A</p> <p>Local and Healthy Food <i>Develop a comprehensive strategy in order to increase production, availability, and consumption of locally grown, affordable, and healthy food.</i></p>	Several assessments completed along with various projects. No city-wide comprehensive strategy developed.
		<p>SE1-B</p> <p>Local Products and Services <i>Develop a comprehensive strategy in order to increase the production, availability, and consumption of local products and services.</i></p>	
		<p>SE1-C</p> <p>Live Local and Hire Local Campaign <i>Develop a brand and marketing campaign that promotes use of local goods and services along with a hire local Lakewood campaign to encourage businesses to hire local talent.</i></p>	
		<p>SE1-D</p> <p>Local Investment <i>Facilitate investment and entrepreneurship in the local economy.</i></p>	Existing programs are available through partner agencies and organizations.
		<p>SE1-E</p> <p>Sustainable Business Hub and Certification Program <i>Form a dynamic community to foster a self-reliant local economy, increase adoption of sustainable business practices, and set a standard for business sustainability by connecting businesses to local producers, potential employees, the education community, technical resources, existing sustainability and economic development programs, and funding opportunities.</i></p>	Assessment of certification programs available through Hometown Colorado project. Participation in Best for Colorado program through B Lab.
		<p>SE2-A</p> <p>Self-Sufficiency Education <i>Host events and provide information for residents to encourage self-sufficient household practices.</i></p>	
		<p>SE2-B</p> <p>Complete Neighborhood Index <i>Develop an index for assessing the completeness of neighborhoods in order to reduce transportation costs, build community cohesion, increase housing values, and provide other household and community benefits.</i></p>	The Union Neighborhood Vision Plan is underway to assess the completeness of the Union Boulevard corridor.



Complete









Significant Progress



Implementation Underway



Not Started

	PROGRESS	STRATEGY	NOTES
ZERO WASTE		<p>ZW1-A</p> <p>Zero Waste Outreach and Education Campaign <i>Develop sector-specific outreach materials and educational campaigns to promote zero waste concepts and resources.</i></p>	Recycle! It's Good for Lakewood Campaign was launched in 2018 and resources are available on Lakewood.org.
		<p>ZW1-B</p> <p>Municipal Facility Zero Waste Programs <i>Develop customized zero waste strategies for new and existing municipal facilities based on the type of use and users, waste characteristics and unique constraints.</i></p>	Recent expansion of compost and recycling services to municipal facilities includes four Head Start facilities and the Lakewood Heritage Center.
		<p>ZW1-C</p> <p>Green Procurement Program <i>Expand the city's green procurement program for the preferential purchase of green products and services and provide guidance for implementation.</i></p>	Previous efforts include staff trainings, group purchasing of sustainable products and preferred vendor lists for sustainable and healthy caterers.
		<p>ZW1-D</p> <p>Municipal Zero Waste Tools <i>Develop resources and tools for City employees and facility users to support zero waste events, meetings and operations.</i></p>	Ongoing expansion of toolkits, resources and trainings.
		<p>ZW1-E</p> <p>Reuse and Resource Recovery Facilities <i>Assess existing resource recovery facilities and infrastructure for capacity and material limitations in order to expand opportunities for landfill diversion.</i></p>	Some assessments completed in support of related projects including identifying outlets for organic waste, household hazardous waste, hard-to-recycle materials and construction and demolition waste. Resources are available on the sustainability website and free, custom hard-to-recycle collection boxes are available for residents to help in-home recycling.
		<p>ZW1-F</p> <p>Yard Waste Collection Site and Services <i>Establish a collection site and provide supportive services to divert yard waste from landfills and generate revenue for expanded recycling and sustainability services.</i></p>	Ongoing internal efforts to identify sites and program options. Periodic community collection events provided by city. Several neighborhood-initiated leaf collections through the Sustainable Neighborhoods Program.
		<p>ZW2-A</p> <p>Residential Curbside Recycling and Waste Diversion <i>As an immediate priority, present City Council with potential programs and policies for residential waste haulers that address the inclusion of recycling services in collection contracts, minimize impacts to neighborhoods from traffic and noise and explore the use of variable rate collection systems where the cost of service is based on the volume of trash generated.</i></p>	Staff initiated a robust community outreach effort in 2018 and used the collected feedback and additional research to compile a comprehensive report on the existing residential waste collection system in January 2019. In June 2019, staff produced a report detailing alternative residential waste collection systems for Lakewood to consider.
		<p>ZW2-B</p> <p>Residential Organic Waste <i>Provide opportunities for residents to divert organic waste from landfills.</i></p>	Several neighborhood-initiated leaf collections through the Sustainable Neighborhoods Program. City classes on backyard composting. Workshops on composting through Sustainable Neighborhoods.



Complete







Significant Progress



Implementation Underway



Not Started

	PROGRESS	STRATEGY	NOTES
ZERO WASTE		ZW2-C Multifamily Recycling and Composting <i>Assist multifamily developers, owners, managers and homeowner associations in implementing recycling and composting programs in residential developments.</i>	
		ZW3-A Commercial Waste Assessment and Prioritization <i>Assess commercial waste systems to identify gaps in resource recovery facilities and prioritize the development of programs and policies.</i>	
		ZW3-B Commercial Waste Diversion Programs and Policies <i>Develop commercial waste diversion programs and policies that support responsible disposal choices, enhance efficiency, minimize environmental impacts and convert waste into valuable products.</i>	
		ZW3-C Construction and Demolition Waste <i>Adopt construction and demolition (C&D) waste diversion requirements and provide supportive materials for businesses.</i>	The building code requires large developments to recycle C&D waste. Resources are available for contractors online and at city offices.



Complete



Significant Progress



Implementation Underway



Not Started

PROGRESS	STRATEGY	NOTES
	<p>CC1-A</p> <p>Diversity in Civic Participation and Leadership <i>Build capacity for residents of all ages, abilities and backgrounds to participate in civic life and assume leadership roles in order to ensure accurate representation of the city's diverse population.</i></p>	Multiple projects on LakewoodTogether.org and LakewoodSpeaks.org.
	<p>CC1-B</p> <p>Open and Honest Communication <i>Support the city's core community value of open and honest communication.</i></p>	Expanded multilingual resources provided by the City Manager's Office, employee intercultural awareness trainings provided by the Human Resources Department.
	<p>CC1-C</p> <p>Social Resilience and Personal Networks <i>Strengthen and expand community social networks to foster collaboration, communication and cooperation.</i></p>	Ongoing development and support of a variety of programs and networks.
	<p>CC1-D</p> <p>Sustainable Neighborhoods Program <i>Expand the Sustainable Neighborhoods Program and the Sustainable Neighborhood Network in order to encourage direct resident action, assist residents in enhancing neighborhood sustainability and reduce the environmental footprint of residents.</i></p>	No additional neighborhoods added in 2018-2019. Continued expansion will require additional resources (staff and funding).
	<p>CC1-E</p> <p>Arts, Culture, and Events <i>Recognize arts, culture and community events as important components of sustainability.</i></p>	Significant expansion of creative industries, and ongoing integration of art and sustainability projects and programs.
	<p>CC2-A</p> <p>Regional Health Efforts and Organizations <i>Collaborate with regional partners in order to identify critical issues, develop programs and policies, and track effectiveness.</i></p>	Ongoing participation by city staff in county efforts and programs.
	<p>CC2-B</p> <p>Local and Healthy Food <i>Develop a comprehensive strategy in order to increase production, availability and consumption of locally grown, affordable and healthy food.</i></p>	Several assessments completed along with various projects. No city-wide comprehensive strategy developed.
	<p>CC2-C</p> <p>Community Physical Wellness Programs <i>Promote healthy eating and active living programs in businesses, schools and other community organizations.</i></p>	Several ongoing programs with local schools through Sustainable Neighborhoods Program. Overlaps with CC2-A.
	<p>CC2-D</p> <p>Access to Physical Activity Facilities and Programs <i>Increase use of physical activity facilities and participation in recreation classes and programs.</i></p>	Variety of projects/services including Lakewood Possibilities Fund, development of Carmody Universal Playground.



Complete








Significant Progress



Implementation Underway



Not Started

	PROGRESS	STRATEGY	NOTES
COMMUNITY COHESION & PUBLIC HEALTH		CC2-E Design for Active Living <i>Integrate key elements of the Center for Active Design's Active Design Guidelines into the city's development guidelines.</i>	
		CC3-A Affordable Housing <i>Create and periodically update a locally-adopted comprehensive housing strategy in collaboration with other jurisdictions and organizations in the region.</i>	Housing study completed.
		CC3-B Community Happiness <i>Catalyze happiness by designing spaces and supporting services that support mental wellness.</i>	Multiple city programs support mental wellness including recreation , parks, and public art.
		CC3-C Aging In Place <i>Develop and support programs, policies and resources that allow residents to age in place.</i>	Handful of programs/efforts underway related to this strategy including the housing study, Sustainable Neighborhood Program projects, recreation programs, etc.
		CC3-D Access to Human and Family Services <i>Support programs and services that enable residents to meet their fundamental needs.</i>	Variety of programs offered by the city and community organizations.



Complete










Significant Progress



Implementation Underway



Not Started

	PROGRESS	STRATEGY	NOTES
NATURAL SYSTEMS		<p>NS1-A</p> <p>Culture of Ecological Stewardship <i>Facilitate communitywide stewardship of Lakewood's natural heritage by advancing understanding of the importance of biological diversity and the value of ecosystem services.</i></p>	Assorted programs and outreach efforts.
		<p>NS1-B</p> <p>Landscape and Agricultural Stewardship <i>Reduce the impacts to ecosystem health, air and water quality resulting from landscaping and agricultural practices in Lakewood.</i></p>	Significant number of workshops and projects through the Sustainable Neighborhoods Program including the Bee Safe initiative.
		<p>NS1-C</p> <p>Biodiversity Inventory, Classification and Best Management Practices <i>Identify natural habitat types in the city and establish management areas based on land use context.</i></p>	Inventory methodology and process was outlined in 2016 but staff was unable to secure grant funding to proceed. No additional progress at this time.
		<p>NS1-D</p> <p>Green Infrastructure Network <i>Establish a Green Infrastructure Network (GIN) to strategically facilitate habitat protection, restoration and connectivity across the urban landscape.</i></p>	
		<p>NS1-E</p> <p>Municipal Natural Resource Management <i>Manage municipal natural areas, parks, right-of-ways and other properties to maximize ecological health and biological diversity.</i></p>	Assorted programs supporting water quality, nontoxic pest and noxious weed management.
		<p>NS2-A</p> <p>Stormwater Management and Flood Control <i>Increase the capacity of Lakewood's landscape to manage stormwater and protect water quality.</i></p>	Various stormwater management projects and programs implemented by the Public Works department.
		<p>NS2-B</p> <p>Cooling and Carbon Sequestration <i>Adapt to increased temperatures and reduce carbon in the atmosphere through healthy vegetation, tree canopy coverage and use of low-reflective materials.</i></p>	The recently adopted Enhanced Development Menu includes measures for large developments to reduce urban heat island and promote healthy vegetation. The city launched the Lakewood Loves Trees tree planting initiative to celebrate Lakewood's 50th Anniversary.



Complete











Significant Progress



Implementation Underway



Not Started

PROGRESS	STRATEGY	NOTES
TRANSPORTATION	 <p>T1-A Environmentally Friendly and Efficient Street Maintenance Operations <i>Protect the environment, reduce air and water pollution and improve vehicle efficiency while maintaining a high level of service in street maintenance operations.</i></p>	Newly implemented street sweeping material screening and recycling program.
	 <p>T1-B Roadside Vegetation <i>Increase the viability and extent of roadside landscaping and vegetation through coordinated planning efforts to assess infrastructure, design, plant selection and street maintenance operations.</i></p>	Various streetscape and median planting programs completed or underway.
	 <p>T1-C Street and Signal Lights <i>Convert street and signal lights to LEDs or other high efficiency technologies.</i></p>	All city-owned lights use high efficiency lighting. Major roadblock to successful implementation is Xcel ownership and tariff rates for existing streetlights.
	 <p>T1-D Sustainable Street Repair and Construction <i>Ensure sustainable street repair and construction.</i></p>	Street operations continue to utilize recyclable materials and to recycle street construction waste.
	 <p>T2-A Bicycle and Pedestrian Planning and Outreach <i>Remove barriers to bicycle and pedestrian transportation through a comprehensive strategy.</i></p>	The city's first alternative transportation coordinator is leading the implementation of the completed city's Bicycle Master Plan, including new bicycle facilities and continued coordination with the Lakewood Bicycle Advisory Team.
	 <p>T2-B Transportation Management Services <i>Collaborate with west metro agencies to develop an approach, or several, to provide sustainable transportation management services.</i></p>	The West Corridor Transportation Management Association was launched to promote convenient transportation options along the W Line corridor and throughout Lakewood, Jefferson County, Golden and West Denver.
	 <p>T2-C Way To Go <i>Utilize and promote the suite of transportation management tools available through Denver Regional Council of Governments' Way to Go program.</i></p>	Implementation will be ongoing.
	 <p>T2-D City Fleet <i>Develop a strategic plan to increase fuel efficiency and incorporate alternative fuel vehicles into the city vehicle fleet.</i></p>	



Complete



Significant Progress



Implementation Underway



Not Started

APPENDIX C






SUSTAINABLE NEIGHBORHOOD PROJECTS

FROM CREDIT YEAR JUNE 2018 - MAY 2019






TOTAL NEIGHBORHOOD PARTICIPATION

NEIGHBORHOOD NAME	PARTICIPATION	CREDITS EARNED	CERTIFICATION STATUS
Applewood	625	81	Outstanding
Belmar	206	93	Outstanding
Eiber	254	83	Outstanding
Green Mountain	2,123	317	Outstanding
Lake Lochwood Village	103	116	Outstanding
Morse Park	2,919	121	Outstanding
South of 6th	632	80	Outstanding
Southern Gables	1,760	164	Outstanding
TOTAL	8,622	1,055	8 Outstanding Sustainable Neighborhoods






WORKSHOPS

NEIGHBORHOOD	WORKSHOP NAME	ATTENDANCE	CREDITS EARNED	NOTES					
Eiber	Resilience Circle	75	20	4 workshops were held	X	X	X	X	X
Eiber	Natural Lawn Care	60	9	Cohosted with Morse Park	X	X	X		X
Green Mountain	Composting and Herb Drying	7	4		X	X	X	X	X
Green Mountain	Rain Barrels and Xeriscape	11	4		X	X	X		X
Green Mountain	Seed Collection and Backyard Chickens	6	4		X	X		X	X
Green Mountain	Garden Journey Plus Produce and Plant Exchange	9	4		X	X	X		X
Green Mountain	Reduced Waste Trash talk at schools	1,565	30	6 workshops were held at 6 different schools	X	X		X	X
Green Mountain	Preserving our Garden Goods - Canning	9	4		X	X			
Green Mountain	Making reusable sandwich bags at school	10	4	Held at Dunstan Middle School	X	X	X	X	X
Green Mountain	Food Preservation by Freezing	7	4		X	X			
Green Mountain	Mobile Design and Building Workshop at Dunstan	24	4		X	X	X	X	X
Green Mountain	Composting with Emily	4	4		X	X	X		X
Green Mountain	Recycling Milk Cartons at Lunch - Elementary Schools	210	10		X	X		X	X
Green Mountain	Community Cohesion & Public Health in SGM	30	4		X	X	X	X	X
Green Mountain	Intro to BeeKeeping	35	6		X	X			X




WORKSHOPS (CONTINUED)

NEIGHBORHOOD	WORKSHOP NAME	ATTENDANCE	CREDITS EARNED	NOTES					
Green Mountain	Seed Starting Workshop with Seed Exchange	17	4		X	X	X	X	
Green Mountain	Houseplant Care and Propagation	9	4			X			X
Green Mountain	Supporting Native Bees and Pollinators	21	4		X				
Green Mountain	Gardening 101/Challenges of Gardening in GM	22	4		X	X	X		X
Green Mountain	Pollinator Friendly Native Plants	18	4		X		X		X
Green Mountain	Garden Prep and Hail Protection	8	4		X	X	X		X
Green Mountain	Bee-Engaged: Honey Bees and How to Keep Them	7	4		X	X	X		X
Green Mountain	Home Brewing	6	4		X	X		X	
Morse Park	Safer Lawn Care	7	4		X	X	X		X
Morse Park	Perennial Food Forest Tour	22	4		X	X	X		X
Morse Park	Natural Lawn Care	60	9	Cohosted with Eiber	X	X	X		X
Morse Park	Growing Sprouts - part of MPNO annual meeting	15	4		X				
South of 6th	Action Center - Protein Food Donations	75	10			X			
South of 6th	Environmental Friendly Holiday Crafts	12	4		X	X	X	X	X
South of 6th	Earth Hour - Candlelight Potluck Dinner & Seed	25	7		X	X		X	
South of 6th	Net Zero Energy Retro Fit	3	4					X	
South of 6th	Backyard Composting Workshop	10	4		X	X			
Southern Gables	Tips and Tricks for Successfully Growing Tomatoes	18	6		X	X			
Southern Gables	Drying Garden Herbs	7	4		X	X			
Southern Gables	Cooking with Fresh Herbs and Garden Produce	30	8		X	X	X	X	X
Southern Gables	Yoga in the Garden	17	6			X			
Southern Gables	Basics of Organic Gardening and Composting	10	4		X	X	X	X	X
	TOTAL WORKSHOPS = 45	2,481	225		33	33	21	15	23






CLUBS

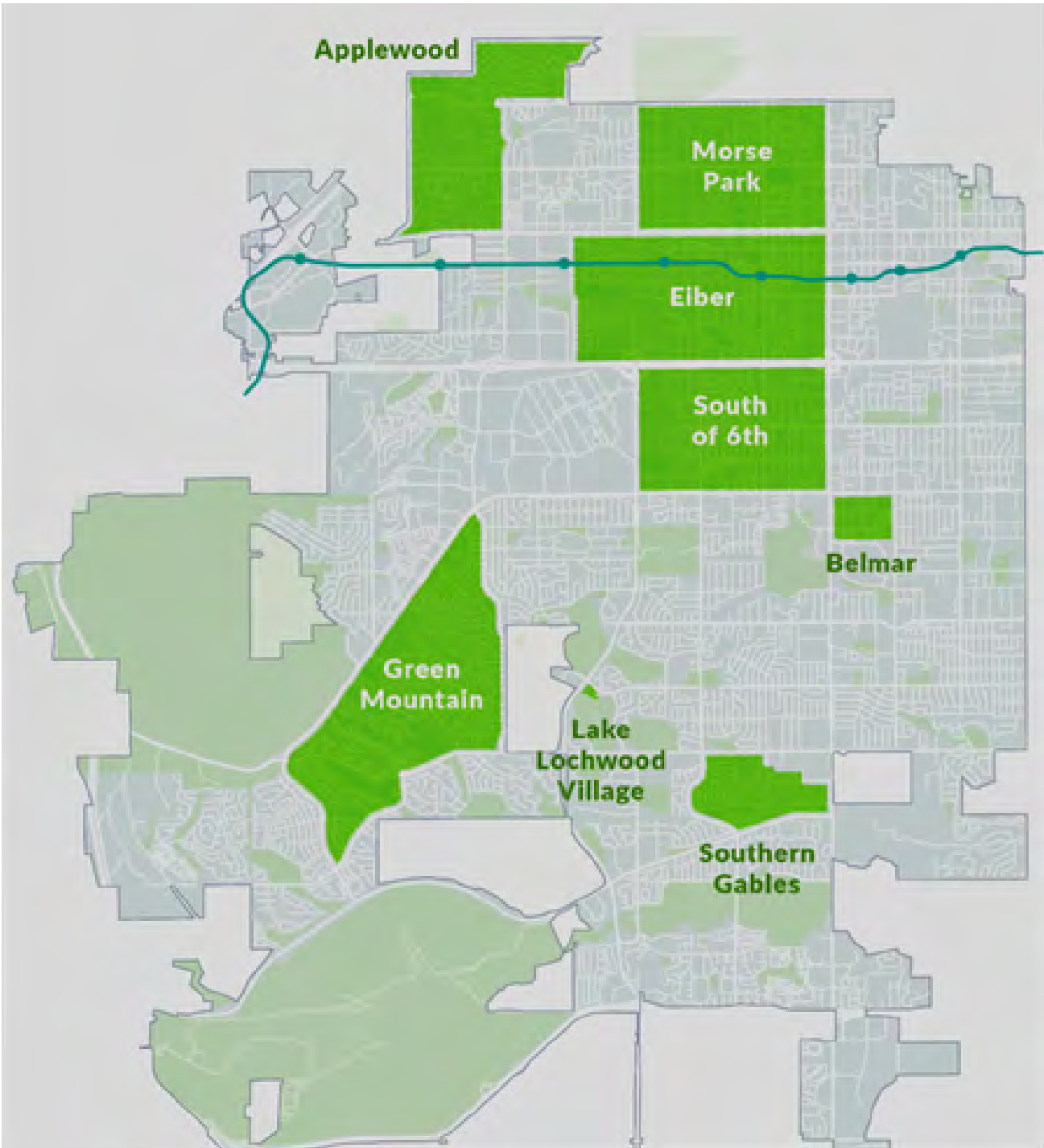
NEIGHBORHOOD	CLUB NAME	ATTENDANCE	CREDITS EARNED	NOTES					
Eiber	Sustainable Eiber Steering Committee	35	8	8 steering committee meetings held	X	X	X	X	X
Green Mountain	Sunday Morning Casual Walking Club	12	4	4 casual walking club meetings held	X	X		X	X
Green Mountain	Green Mountain Casual and Easy Bike Ride Club	7	3	3 casual and easy bike ride club meetings held		X		X	X
Green Mountain	Lakewood Cruisers Bicycle Club	5	3	3 bicycle club meetings held	X	X		X	X
Green Mountain	Sustainability Trivia Club at Green Mountain Beer Co	10	2	2 club at green mountain beer co meetings held	X	X	X	X	X
Green Mountain	Zero-Waste Lifestyle Club	66	18	18 lifestyle club meetings held	X	X	X	X	X
Green Mountain	Mountain Bike Ride Club	6	3	3 ride club meetings held	X	X		X	X
Morse Park	Book Club	19	5	5 meetings held	X	X	X	X	X
Morse Park	Spanish Conversation	10	1	1 meetings held		X			
Southern Gables	Monthly Luncheons	226	12	12 meetings held		X			
	TOTAL CLUB MEETINGS = 59	396	59		7	10	4	8	8

PROJECTS

NEIGHBORHOOD	PROJECT NAME	CREDITS EARNED	NOTES					
Eiber	Food Rescue at the Action Center	10	This project is ongoing		X			
Belmar	2018 Belmar Garden Activities	65	4 identified goals were achieved	X	X			
Belmar	Holiday Lights Recycling	10		X	X			
Green Mountain	School Lunchroom Waste Reduction	125	15 identified goals were achieved	X	X			
Lake Lochwood Village	Promoting Landscape Improvements in LLV	10		X	X	X	X	
Lake Lochwood Village	Implementing Home Improvements	10		X	X			X
Lake Lochwood Village	Communicate choices that save water during our drout	10		X		X		
Lake Lochwood Village	Networking for Healthy Choices	10		X	X		X	
Lake Lochwood Village	Infrastructure Upgrade	30		X	X	X		
Lake Lochwood Village	Promoting Home Energy Improvements in LLV	30		X	X		X	X
Lake Lochwood Village	LLV Newsletter	10		X	X	X	X	
Morse Park	Tree Planting	10		X	X	X	X	X
	TOTAL PROJECTS = 12	330		11	11	5	5	3

EVENTS

NEIGHBORHOOD	EVENT NAME	ATTENDANCE	CREDITS EARNED	NOTES					
Applewood	Free Produce Market	120	15	Held weekly July through September	x	x			
Applewood	4th of July Parade and Ice Cream Social	350	13			x			
Applewood	Applewood Valley Coat Drive	25	6	Coats collected for the Action Center		x			
Applewood	Seed Share	50	9		x	x			
Applewood	Driveway Concert fund raiser for Ataxia Telangiectasia	80	8			x			
Belmar	Zero Waste Event- Festival Italiano		12		x	x	x		
Eiber	Sustainable Eiber Happy Hour	20	4		x	x	x		
Eiber	Middle School Presentation	34	6		x	x	x		
Eiber	Eiber Elementary School Fall Leaf recycling	30	6		x		x		
Green Mountain	Hutchinson Leaf Collection/Composting Event	76	10	2.3 tons of leaves composted	x	x		x	x
Morse Park	Morse Park Ice Cream Social and Outdoor Games night	110	11			x			
Morse Park	Paint Recycling Event	138	12	7,855 pounds of paint recycled	x	x			
Morse Park	Glens Art Walk	425	13		x	x			
Morse Park	2019 Earth Day Celebration	2,108	12	Hosted the Sustainable Yard	x	x	x	x	x
Morse Park	Colfax Marathon Clean up	5	6			x			
South of 6th	Meadowlark Park Clean Up Day	8	6		x	x			
South of 6th	Zero Waste - MidLakewood Civic Association Picnic	150	12		x	x	x	x	x
South of 6th	Italian Festival - Zero Waste Effort	4	6	4 zero-waste volunteers	x	x			x
South of 6th	Halloween Parade	45	8			x		x	
South of 6th	South Lakewood Elementary Cultural Fair Booth	300	12		x	x		x	
Southern Gables	Southern Gables Neighborhood Night Out	500	12			x			
Southern Gables	Chipotle Fundraiser for our School/Community Garden	200	12		x	x			
Southern Gables	School Garden Day 2018	246	12		x	x	x	x	x
Southern Gables	Youth Farm stand	75	12		x	x			
Southern Gables	Leaf Composting and Senior Citizen Yard Raking	120	12	530 bags of leaves composted	x	x			
Southern Gables	Christmas Tree Fundraiser for the Community Garden	65	12		x	x			
Southern Gables	Chickens & Eggs at Green Gables Family Science Night	200	12		x	x			
Southern Gables	6th Annual Seed and Plant Swap	46	10		x	x			x
	TOTAL EVENTS = 28	5,530	281		21	27	7	6	6



2019 Map of Lakewood Sustainable Neighborhoods

STAY INFORMED



Read the Sustainability Plan and this Report Online

Lakewood.org/sustainabilityplan



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