



Lakewood
Sustainability

Sustainability Division Projects & Programs

April 2024





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



LAKEWOOD SUSTAINABILITY PLAN, 2015





LOCAL GOVERNMENT & SUSTAINABILITY

WHAT IS OUR MISSION?

Protect our ecosystems, biological diversity, air and water quality

Foster social and economic health and community resilience

Reduce GHG emissions on a scale that aligns with recommendations from the Intergovernmental Panel on Climate Change

Understand and prepare for impacts of climate change

Lakewood's Climate Commitments

Our Science-based GHG Commitment:

Our community's fair share of emissions reductions to meet the goals of the Paris Climate Agreement (reduce GHG emissions to limit global temperature increase to 1.5° C)

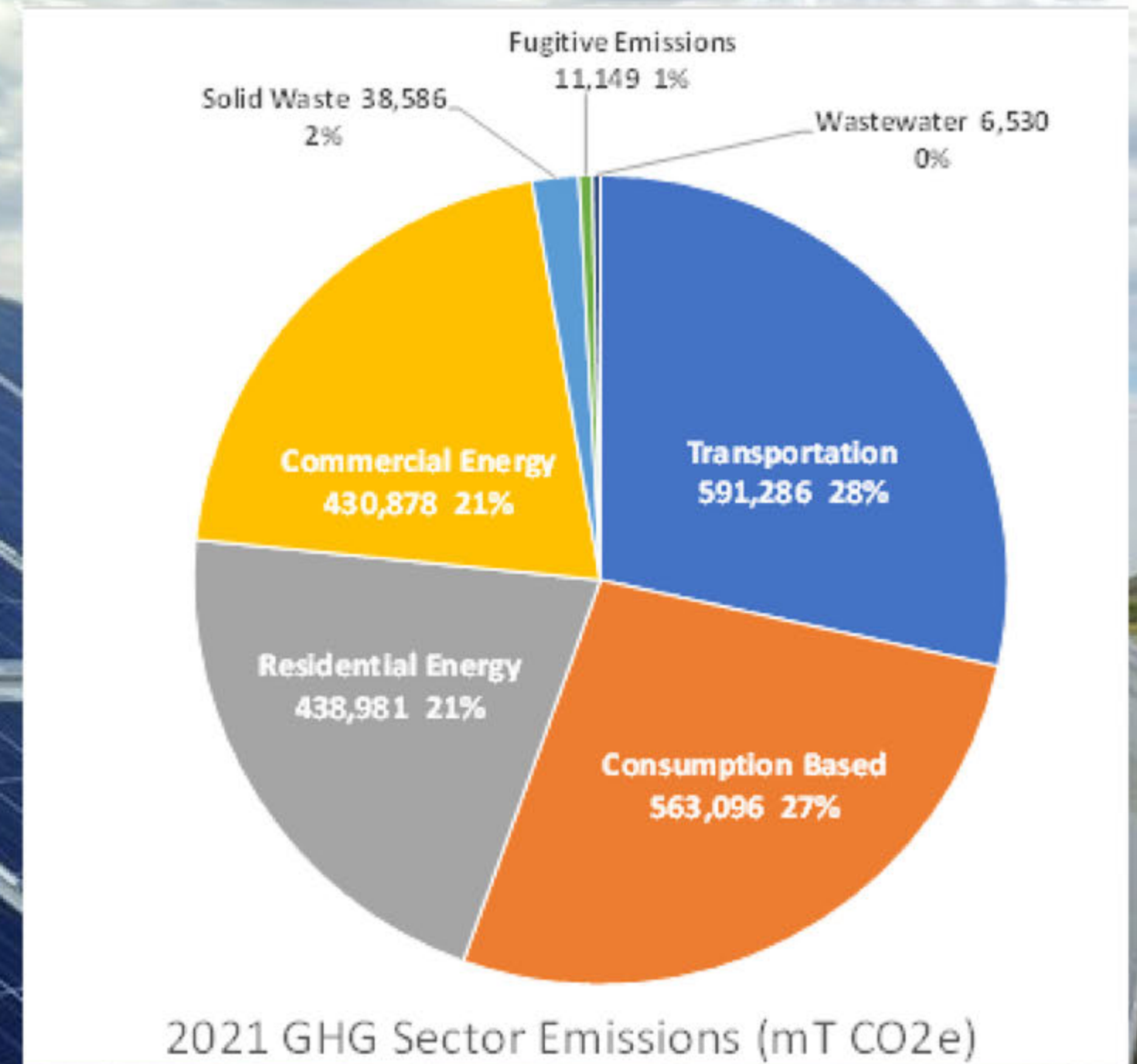
- Reduce communitywide GHG emissions by 60.7% below 2018 levels by 2030.
- Achieve net zero community GHG emissions by 2050



Lakewood's Climate Commitments

2021 Citywide GHG Emissions Inventory

Between 2007 and 2021, overall GHG emissions in Lakewood decreased by 15%.



Local government & sustainability



**Sustainable
Operations**



**Community-wide
& Regional
Sustainability**

Sustainable Operations

Serve as consultants across the organization - link to resources, best practices, and peers from regional, national, and global network of experts.

Public Land Stewardship

Resource efficient sites & facilities

Climate-impact ready operations

Clean energy and fuels

Responsible procurement & materials management



Sustainable Operations

Some highlights... (these are multi-departmental achievement)

- 6% Reduction in Energy Use Intensity (EUI) in city buildings since 2015
- 63% renewable electricity powering city facilities and sites
- >60,000 lbs. of waste diverted annually from facilities & events
- 6% reduction in petroleum-based fuel consumption by city fleet





2024 Priority Projects - Operations

Whitlock On-site Renewable Energy Project

EV Charging Installations (including fast-charging hub!)

Electric Vehicle Strategy (fleet & public charging at facilities)

Municipal GHG Inventory

New position for 2024 - Sustainable Operations Coordinator

Updated zero waste strategy



Community-wide Sustainability

Advance community-wide sustainability goals through education, programs, services, and policy.

Resource efficient built environment

Accelerate transition to renewable energy

Minimize tailpipe emissions

Support waste reduction & circular economy

Enhanced urban ecosystems and carbon sequestration

Local self-reliance, community cohesion, resiliency & public health

Community-wide Sustainability

Recent Highlights...

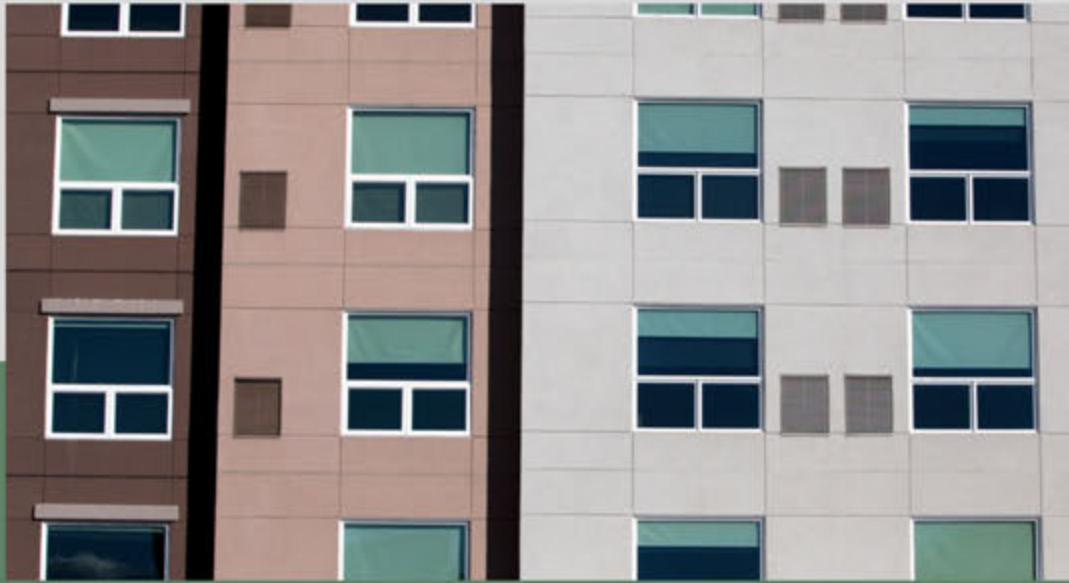
- “A” list rating from Carbon Disclosure Project for leadership on climate action (119 cities worldwide)
- Sustainable Development Code - APA National Award for Excellence in Sustainability
- Construction & Demolition waste diversion requirements
- Small Business Energy Campaign
 - 4th year, over 350 local businesses
 - 2 million kWh of electricity savings

Community-wide Sustainability

Recent Highlights...

- Water Conservation Program
 - Discounted Garden In a Box Kits
 - Free sprinkler evaluations to optimize irrigation systems and identify leaks, participants may receive a smart controller at no additional cost.
 - Lawn Replacement incentive of \$500 credit if replacing at least 200 SF section of their grass lawn with beautiful low-water landscape
 - This year's program is estimated to save > 2 million gal/year of water
 - 2023 program estimated savings of 540,000 gal/year

2024 Priority Projects



BENCHMARKING & BUILDING PERFORMANCE STANDARDS

- Critical mechanisms for decarbonization of existing buildings
- Unlikely to reach climate goals w/o
- Build off of State of CO program
- Will require significant admin...potential to use climate funds from Sustainable Development Program



RESIDENTIAL ENERGY PROGRAMS

Resources & programs to...

- Support completion of audits & assessments
- Help residents navigate incentive & rebates (federal, state, Xcel, & others)
- Understand new technologies
- Leverage financing mechanisms & tax credits



CLIMATE VULNERABILITY ASSESSMENT & PLAN UPDATE

- Implementation of Hazard Mitigation Plan
- Supports Sustainability Plan goals
- \$175,000 grant from FEMA is primary funding source

2024 Priority Projects



COMPREHENSIVE PLAN UPDATE

- Integration of Sustainability across the plan topic areas
- Updated sustainability targets
- Integration of environmental justice and equity into plan strategies
- Support project management team



CLIMATE POLLUTION REDUCTION GRANT

- Part of project management team for federally funded regional climate plan
- Potential access to apply for share of \$4 billion of federal funds for implementation
- Alignment with local goals and plans



WASTE DIVERSION & CIRCULARITY

- New position to coordinate waste programs and leverage significant funding opportunities
- Residential, commercial, organics, construction & demo, infrastructure, economic development

2024 Priority Projects



EV STRATEGY

- Update parking standards
- Strategies to support under-served households:
 - Multi-family
 - Gig-economy drivers
 - Renters
- Infrastructure needs & limitations
- Standards and maintenance



RESIDENTIAL WATER CONSERVATION PROGRAM

- Garden in box
- Lawn replacement
- Irrigation audits
- Smart controllers
- Rain sensors



CONSTRUCTION & DEMOLITION WASTE DIVERSION

- Software management system
- Deposit/refund implementation
- Resource development
- Contractor training

Community-wide Sustainability

Sustainable Neighborhoods Program

- 10 neighborhoods
- 7,454 participants in 22/23 program year
- 188,000+ participants since 2012
- 2,120 neighborhood-led projects and events
- 5 neighborhoods in Ward 1 & 2 have had 48,000 participants and completed more than 530 projects!

Community-wide Sustainability

Sustainable Neighborhoods Ward 1 & 2 - Events

- Saturday, May 11, 9 a.m.-1 p.m. - Sustainable Applewood, Eiber, and Morse Park - **Citywide Metal and Electronics Recycling Day**. Shepherd of the Hills Presbyterian Church.
- Saturday, June 8, Sustainable Applewood Organic Gardening Workshop at Stober Community Garden
- Sunday, June 9, Picnic at Applewood Park
- Saturday, July 27, Eiber's 7th Annual Garden Tour
- Morse Park summer pot luck picnics at the park
- O'Kane park summer monthly food truck nights

Earth Day Celebration

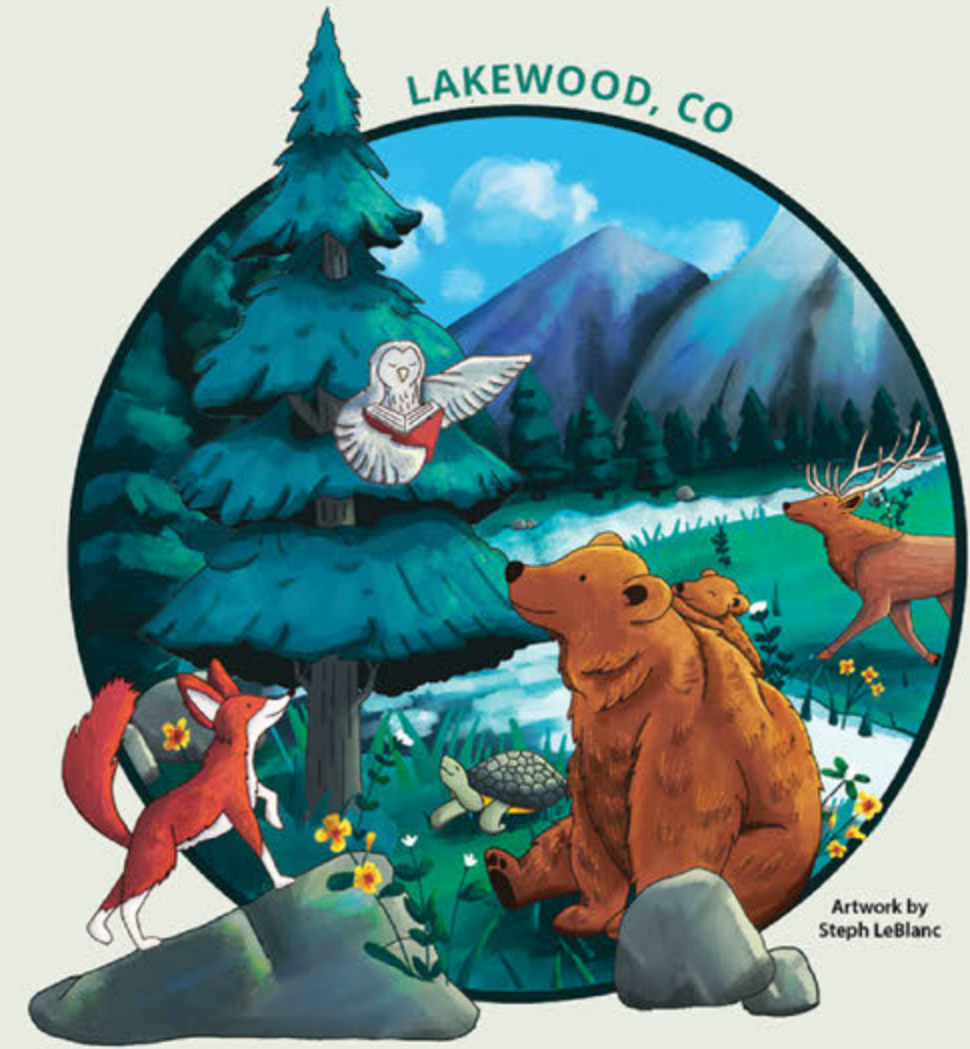


Earth Day
APRIL 27, 2024

**EV RIDE & DRIVE • PARADE OF SPECIES
NATURE'S EDUCATORS • HISTORIC TOURS**

FAMILY FUN • BEER GARDEN • FOOD TRUCKS • ARTS & CRAFTS

11:00 A.M.-7:00 P.M.
HERITAGE LAKEWOOD
BELMAR PARK
FREE ENTRY
FREE BIKE VALET



Earth Day Festival

APRIL 27, 2024

Music in the Beer Garden
SuperMagick • Flash Mountain Flood
Blue River Grass • MoonShroom

Parade of Species with Costume Contest
Electric Vehicle Ride & Drive • Local Vendors & Food Trucks • Art Activities
FREE Event • Bike Valet • Rain, Snow Or Shine

11 a.m.-7 p.m. at Heritage Lakewood Belmar Park, 801 S. Yarrow St.



Lakewood.org/EarthDay



Thank you for your interest & support!

www.Lakewood.org/Sustainability



SOCIAL & ECONOMIC
HEALTH



ECOSYSTEMS &
BIODIVERSITY



SUSTAINABLE
DEVELOPMENT



GHG EMISSION
REDUCTION



WASTE DIVERSION &
CIRCULARITY