

THE OUR CLIMATE FUTURE PLAN

Our Climate Future intentionally uses a systems approach for solutions which address climate, energy and waste goals while positively impacting the daily lives of residents, business operations, and supporting community-defined sustainability priorities. The natural resources upon which we all depend – air, water, and land - are distributed across the Big Moves in many interrelated and interdependent Next Moves. Taken together, Big and Next Moves begin to increase community capacity to:

- Draw down greenhouse gas emissions, waste, and energy use, while increasing renewable electricity, carbon sequestration, and waste prevention;
- Co-create and share community leadership to develop and partnerships for implementation;
- Adapt to a changing climate to improve community resilience;
- Plan for investment in a portfolio of strategies which provide net benefits;
- Ensure all parts of the community are included and see themselves in the solutions proposed; and
- Track the goals to measure success and progress toward achieving sustainability and resilience.

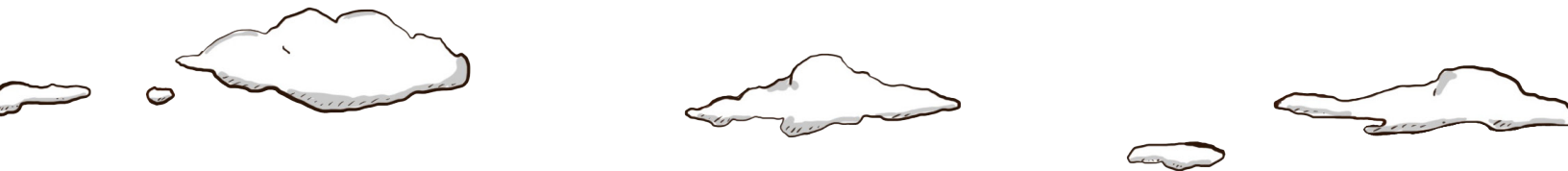
The intent of the two-year review and calibration cycle is to enable the refinement of Next Moves over time to align with the community targets. Recognizing the flexibility and opportunity inherent in this evergreen approach, Next Moves become a flexible portfolio that can be adjusted over time to fit the community's needs and respond to market and technology developments. Our Climate Future's model for implementation and updates is adaptive and flexible to evolve with new solutions and partnerships with community leaders over time.

This Plan includes introductory sections which describe the people first approach, centering in equity and leading with race, background on resilience, history of planning and results, current goals and a critical path of Next Moves. The remaining sections lay out the thirteen Big Moves shown below, grouped into four areas which recognize how these outcomes impact how we work together, live, and breathe and how we resource our work and lives.

Each Big Move section includes a short narrative, a quote from a community member, a description for tracking, and a table of associated Next Moves with indicative scoring from the evaluation framework for goal-related savings, positive impacts on equity and resilience, and level of investment. Next Moves which are shaded in each table are described in more detail in the companion Our Climate Future Two-year Tactical Plan (2021-2022).

BIG AND NEXT MOVES

Big Moves is the Our Climate Future way of describing the transformational outcomes which connect our specific goals for climate, energy and waste with the community's definition of a sustainable Fort Collins. Next Moves are the specific strategies and tactics that lead to transformational outcomes of the Big Moves. Each Big Move has an associated set of Next Moves. The Next Moves are evaluated for their impact on goals, benefits and costs, potential results for improving equity and resilience.



THIRTEEN BIG MOVES FOR OUR CLIMATE FUTURE²

BETTER TOGETHER

1 - Shared Leadership and Community Partnership: Centered in equity and leading with race, all parts of our community lead, implement and benefit from Our Climate Future.

2 - Zero Waste Neighborhoods: We can all share and reuse so we don't have to buy things we won't regularly use and are able to recycle or compost the rest.

3 - Climate Resilient Community: People, buildings, watersheds and ecosystems are prepared for the threats of climate change.

LIVE BETTER

4 - Convenient Transportation Choices: It is safe, easy, fast and affordable to get around without a car.

5 - Live, Work and Play Nearby: No matter where we live, we all can meet our basic daily needs without driving across town.

6 - Efficient, Emissions Free Buildings: Everyone lives and works in healthy energy and water efficient buildings which transition to become emissions free.

7 - Healthy Affordable Housing: Everyone has healthy, stable housing they can afford.

8 - Local, Affordable and Healthy Food: Everyone has access to healthy and affordable food, sourced or rescued from local and regional producers.

RESOURCE BETTER

9 - Healthy Local Economy and Jobs: The community supports a healthy innovative local economy with new opportunities for all people and businesses to thrive.

10 - Zero Waste Economy: Business, industry, institutions, and government collaborate to recirculate resources and eliminate waste.

BREATHE BETTER

11 - Healthy Natural Spaces: We all are stewards of healthy natural spaces and honor the deep and historical human connection to this land.

12 - 100% Renewable Electricity: Everyone in the community receives affordable and reliable 100% renewable electricity, including from local sources.

13 - Electric Cars and Fleets: Residents can afford and use electric cars, including shared electric cars, and conventional fleets are converted to electric.



OUR CLIMATE FUTURE AND YOU

This plan is about you and is an invitation to lead. Because this plan is about all of our futures, it will take all parts of our community to ensure the future is equitable, climate resilient, carbon neutral, renewable, and zero waste.

Whether you are a resident, business owner, community institution, or visitor, consider this an invitation to get involved and find your place of action and leadership in Our Climate Future. See the Our Climate Future Action Guide for a starting point of ideas to get started.

² The Big Move numbering is for easy referencing; the order does not imply priorities of any kind.

OUR CLIMATE FUTURE'S THIRTEEN MOVES¹²

BETTER TOGETHER

- 1 - Shared Leadership and Community Partnership:** Centered in equity and leading with race, all parts of our community lead, implement and benefit from Our Climate Future.
- 2 - Zero Waste Neighborhoods:** We can all share and reuse so we don't have to buy things we won't regularly use and are able to recycle or compost the rest.
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RESOURCE BETTER

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READER HEADS UP:

The remaining sections of this plan lay out the thirteen Big Moves shown below, grouped into four areas which recognize how these outcomes impact how we work together, live, and breathe and how we resource our work and lives.

¹² The Big Move numbering is for easy referencing; the order does not imply priorities of any kind.

BIG MOVES AND NEXT MOVES

“Big Moves” is our way of describing the transformational outcomes which connect our specific goals for climate, energy and waste with the community’s definition of a sustainable Fort Collins. The Big Moves, each with a title and tagline, were developed from input from community workshops and refined based on a community survey and discussions with historically underrepresented community members, community partners, and plan ambassadors. Together they form a vision of what a sustainable, resilient, and equitable Fort Collins would be like for community members like you as it transforms to reflect the community’s priorities, carbon neutrality, zero waste, 100% renewable electricity.

Next Moves are the specific strategies and tactics that lead to transformational outcomes of the Big Moves. Each Big Move has an associated set of Next Moves. The Next Moves are evaluated for their impact on goals, benefits and costs, and potential results for improving equity and resilience. The Next Moves shown in the plan are those that have “risen to the top” based on these evaluations and input from the community engagement process.

Each Big Move section on the following pages includes:

- A quote from a community member introducing the section with why they view the Big Move as having a positive effect on their life.
- A short narrative
- Illustrations of our Plan Ambassadors, Community Partners or other visual storytelling
- How we’ll track progress on the Big Move
 - We have identified key metrics for each Big Move to use as indicators that we’re going in the right direction, and we will continue to work with the community to identify appropriate metrics, particularly related to equity and resilience. Some of the suggested metrics already exist while others are proposed or in development¹³.
- Associated Next Moves with indicative scoring from the evaluation framework for goal-related savings, positive impacts on equity and resilience, and level of investment.
 - Shaded Next Moves in the table indicate that these specific strategies are included in the companion Our Climate Future Two-year Tactical Plan (2021-2022) where they are described in more detail.
 - Each Next Move was evaluated for equity, resilience, mitigation (reduction of greenhouse gas emissions and waste) and investment on a high, medium, low scale. See the table below for how each Next Move was evaluated.
 - The investment scoring is based on the total investment necessary for the Next Move. Distinctions between community investment, City resources or external funding are described where available in the Tactical Plan for selected Next Moves.

¹³ A complete list of the proposed metrics included in this plan is provided in Appendix III.

	EQUITY	RESILIENCE	MITIGATION	COST ¹⁴
<p>LOW</p> 	<p>Little to no potential improvement in the daily lived experiences of BIPOC and historically underrepresented individuals and communities</p>	<p>Little to no increase in preparedness for climate change impacts and/or the ability to withstand other shocks</p>	<p>Marginal impact on carbon or waste inventory (less than 0.5% or 10,850 MTCO₂e or 1.4M lbs.)</p>	<p>less than \$1 million</p>
<p>MEDIUM</p> 	<p>Moderate potential for improvement in the daily lived experiences of BIPOC and historically underrepresented individuals and communities</p>	<p>Moderate increase in preparedness for one or more climate change impacts and/or the ability to withstand other shocks</p>	<p>Moderate impact on carbon or waste inventory (between 0.5% and 2.5% or 10,850 to 54,300 MTCO₂e or 1.4M to 6.95M lbs.)</p>	<p>\$1 to 10 million</p>
<p>HIGH</p> 	<p>Substantial potential for systemic or institutional change and/or significant improvement to the daily lived experiences of BIPOC and historically underrepresented individuals and communities</p>	<p>Substantial increase in preparedness for one or more climate change impacts and/or the ability to withstand other shocks</p>	<p>Significant impact on carbon or waste inventory (more than 2.5% or 54,300 MTCO₂e or 6.95M lbs.)</p>	<p>more than \$10 million</p>

Shaded items are included in the Tactical Plan 2021/2022 and are currently being implemented.

* = Inspired by the community

¹⁴ These are total costs, not only what may be covered by the City as an organization. Distinctions between community investment, City resources or external funding are described in the Tactical Plan for selected (shaded) Moves where available.

EQUITABLE METRICS AND REPORTING

Our Climate Future's equitable approach to partnering with community members and organizations, with intentional focus on BIPOC, and historically underrepresented groups also extends to how we develop metrics, measure progress, and summarize results. It's crucial that we have insight and expertise from outside the City organization and acknowledge that various groups experience Fort Collins in different ways. Identifying the appropriate ways to track progress on goals will be an ongoing process in partnership with community members. Where data exist, we commit to using metrics that are disaggregated by race and other identities. This means we'll look at broad outcomes split out by identities, such as race, ethnicity, ability, and gender identity, that help us understand disparities, while acknowledging that for many individuals these identities overlap and intersect. When summarizing results, we will seek reviews from external partners to validate meaning and provide insights into how we can present information in ways that honor community members' experiences.

OUR CLIMATE FUTURE TWO-YEAR TACTICAL PLAN (2021-2022)

The companion Our Climate Future Two-year Tactical Plan presents details for implementation of Next Move strategies that are intended to begin or continue implementation in 2021 and 2022. The Tactical Plan can also help advocacy groups and other partners see where the City is seeking partners or leaders and is a complementary resource to the Our Climate Future Action Guide which provides flexible options for businesses, residents, industries and institutions to find their place of action and leadership.

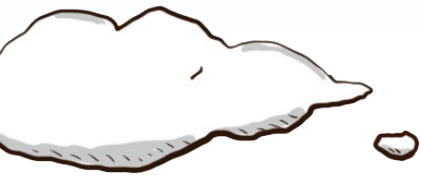
The primary focus of this first cycle of Next Moves is to further develop partnerships and leverage community expertise to improve the equability and accessibility of existing efforts. Partnership development also helps broaden leadership and action across the community. This allows the most ambitious decade of climate action to begin with a solid foundation.



BETTER TOGETHER



“ Changing our climate future is going to take support at all levels, so all residents need to feel like they are included and respected in the process. This makes it positive for me because I feel confident that my leaders are implementing processes that keep historically marginalized and under-resourced communities at the forefront of innovation. ”



BIG MOVE 1

SHARED LEADERSHIP AND COMMUNITY PARTNERSHIP

Centered in equity and leading with race, all parts of our community lead, implement and benefit from Our Climate Future.

As highlighted in the Centering Equity, Leading with Race section, Our Climate Future acknowledges that in Fort Collins, as in the entire country, there has been a history of racism and discrimination and its effects continue into the present. Many Fort Collins community members and institutions are committed to changing this, so that moving forward, identity is not a predictor of one's outcomes in life. **Our Climate Future is one effort of many that will help dismantle systemic racism in our community.** Instead of continuing to treat climate action like a math problem that only requires technical solutions, this Big Move focuses on the changes needed to ensure our efforts are influenced by and support Black, Indigenous, and People of Color (BIPOC) and other economically disadvantaged and historically underserved community members, to ensure they all have equitable access to the same resources and opportunities as other parts of the community.

Additionally, this Big Move is the acknowledgment that the City is one of many actors working toward Our Climate Future's emissions, waste, and energy goals, and we can't and aren't doing it alone. **We need every part of the Fort Collins community to be able to participate and take on leadership roles if we are going to address our community priorities and achieve our ambitious community environmental goals.**

Tracking progress on this Big Move:¹⁵

- % of staff and partners trained in leading with equity for implementation of the Next Moves
- Number of Next Moves and/or tactical projects led by an organization or group external to the City of Fort Collins
- Demographics of staff and community members who are part of Our Climate Future implementation (ongoing programs and various next moves)
- Resources allocated in project budgets to achieve equity in process, e.g., language justice and compensation for community members' time and expertise



AMBER connected with the Native Community and is a member of the Seneca Nation Wolf Clan

“To meet our climate goals, I think three questions should be asked in every decision:

*Are treaties being honored?
Does this benefit all people?
Is it sustainable seven generations from now?”*

¹⁵ **What do these mean?** These four metrics will help indicate if we are on the right track in centering equity through implementation of OCF. Staff and partners trained in leading with equity is a way of being transparent about the activities we’re undertaking. The number of Next Moves or projects led by another organization or group tells us if we are really partnering with the community and sharing leadership. Understanding the demographics of everyone who is part of OCF implementation points to if Black, Indigenous, and People of Color (BIPOC) and other historically underrepresented groups feel included and heard in this work. Resources allocated to achieve equity is one way to understand what support we are giving community members who face barriers to participating in City process and programs.

BIG MOVE 1 SHARED LEADERSHIP AND COMMUNITY PARTNERSHIP

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
SLCP1	Continue, and where appropriate expand, upon durable partners beyond Fort Collins to achieve climate, energy and waste goals.	CRC	\$	●	●	●
SLCP2*	Identify opportunities where the City and the community can partner on funding applications to advance Our Climate Future Big Moves	-	\$	●	●	●
SLCP3*	Partner to provide greater access to environmental education for Spanish-speaking community members	-	\$	●	●	●
SLCP4	Design an equitable implementation structure of the Our Climate Future Plan	CRC	\$	●	●	●
SLCP5	Provide unconscious bias and racial equity training to staff and partners involved in OCF implementation	-	\$	●	●	●
SLCP6	Embed resilience into City policy planning initiatives	CRC	\$	●	●	●
SLCP7	Explore sliding scale incentives based on income and equity for Our Climate Future related programs	EEFB	\$	●	●	●
SLCP8	Explore creation of a city policy that dedicates a portion of resources to programs for low- and moderate-income community members	HAH	\$	●	●	●
SLCP9	Re-imagine the Community Advisory Committee to align with the City's Strategic Objective to center equity for all, leading with race and explore opportunities to share decision-making	-	\$	●	●	●

GHG IMPACT

Shaded items are included in the Tactical Plan 2021/2022 and are currently being implemented.

* = Inspired by the community

● = HIGH ● = MED ● = LOW

“ This would have the greatest impact in my life because I could avoid buying all the tools that we just need for one job AND it would mean a closer sense of community with my neighbors, which is somewhat lacking now. ”

BIG MOVE 2

ZERO WASTE NEIGHBORHOODS

We can all share and reuse so we don't have to buy things we won't regularly use and are able to recycle or compost the rest.

On average, Fort Collins residents and businesses throw away just under 100,000 tons of trash a year (about 3 lbs. per person per day), much of which could have been recycled or composted.¹⁶ Some of that trash is stuff we didn't need; or bought, didn't often use, and then discarded. Often things we throw away didn't mean much to us but did have a high impact on greenhouse gases and natural resources. Zero Waste Neighborhoods is about helping people and businesses reduce waste and emissions, reuse, and feel comfortable sharing, which saves money and supports a more circular economy. By connecting with each other more, we build and strengthen relationships to create a stronger community now and in times when neighbors need to work together through floods, extreme cold, and heat waves.

Fort Collins is a part of the Regional Wasteshed Coalition of local governments (with Larimer County, Loveland, Estes Park and Wellington) that are seeking to bring innovative new waste and recycling infrastructure to the region with the recognition that the materials we throw away have value that can benefit our regional economy when recovered. Facilities planned include yard and food scrap composting, a construction and demolition processing facility, and a new landfill and transfer site. These facilities will have a significant impact on Fort Collins' ability to meet its Zero Waste goals!



SUNRISE MOVEMENT FORT COLLINS

engaged with youth and high school students.

Members of the Fort Collins branch of the Sunrise Movement gave feedback on the Zero Waste Neighborhoods Big Move

16 Source: 2019 Fort Collins Community Waste & Recycling Summary

This Big Move acknowledges that sometimes we are left with materials that need to be recycled or composted and that not everyone in Fort Collins currently has access to these services. While creating this plan, we learned that *More Reuse, Recycling, and Composting* was the number one priority of historically underrepresented groups in Fort Collins. Making sure that services are available to all parts of the community is crucial to creating Zero Waste Neighborhoods.

You can get involved by starting a backyard compost, indoor worm compost bin, or signing your business up for recycling. Check out other Zero Waste Neighborhood actions listed in the Our Climate Future Action Guide.

Tracking progress on this Big Move:¹⁷

- % of Fort Collins single and multi-family households and businesses with access to recycling
- % of Fort Collins households and businesses with access to composting
- Number of sharing resources and number of “shares” at those resources

BIG MOVE 2 ZERO WASTE NEIGHBORHOODS

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
ZWN1*	Expand recycling education campaign	HLEJ	\$	●	● ● ●	●
ZWN2*	Explore additional community-needs donation options	ZWE	\$	◎◎◎	● ● ●	◎◎◎
ZWN3*	Explore Universal Composting Ordinance and Related Composting Infrastructure/Facilities	ZWE	\$\$\$	◎◎◎	◎◎◎ ◎◎◎	◎◎◎
ZWN4*	Identify barriers to accessing recycling services	ZWE	\$	◎◎◎	● ● ●	●
ZWN5*	Implement universal recycling ordinance	ZWE	\$\$\$	◎◎◎	◎◎◎ ◎◎◎	◎◎◎
ZWN6	Facilitate the sharing of commonly needed items through libraries	ZWE	\$	◎◎◎	● ● ●	◎◎◎
ZWN7*	Facilitate the sharing of commonly needed items through libraries	ZWE	\$	◎◎◎	● ● ●	◎◎◎
ZWN8*	Implement Disposable Grocery Bag Policy	ZWE	\$	●	● ● ●	◎◎◎
ZWN9*	Establish decentralized waste collection strategies for times of crisis	CRC	\$	◎◎◎	● ● ●	◎◎◎

¹⁷ **What does that mean?** City staff will develop a new metric that tracks the percent of households and businesses with access to recycling and another that tracks access to composting. It will also develop a new metric to assess sharing resources (like libraries) and how much formal sharing activity is happening.

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
ZWN10*	Establish strategies for recycling damaged materials from natural disasters	CRC	\$\$	●	●	◎◎
ZWN11	Businesses and community groups work with the City to perform waste audits and reduce food waste	HLEJ	\$	◎◎	●	●
ZWN12*	Expand recycling end markets and job opportunities	HLEJ	\$	◎	●	◎◎
ZWN13*	Highlight businesses who reuse, reduce, and recycle	HLEJ	\$	◎	●	●
ZWN14	Explore collaborative consumption apps and platforms	SLCP	\$	◎	●	◎
ZWN15*	Develop zero waste community partnership program	ZWE	\$	●	●	◎
ZWN16*	Financial incentives to support composting, recycling, and waste reduction	ZWE	\$	◎	●	◎
ZWN17*	Implement a home composting incentive program	ZWE	\$	◎	●	◎
ZWN18	Support sharing, repair, and reuse	ZWE	\$	◎◎	●	◎◎

GHG IMPACTS WASTE IMPACTS

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“ Our community is a recognized leader in sustainability. We have further potential to positively impact climate for our region and other regions through our resilience planning and implementation. ”



BIG MOVE 3

CLIMATE RESILIENT COMMUNITY

People, buildings, watersheds and ecosystems are prepared for the threats of climate change.

Adjusting to our changing climate and preparing for future changes make a big difference in how our community is able to thrive. The threats of climate change cannot be tackled by a single organization or business. It is crucial to plan for disruption and to foster and strengthen regional, community, and personal networks by supporting each other so we are better prepared to handle those effects. Fort Collins has a significant history of resilience work in stormwater planning and infrastructure, expanding and protecting our drinking water sources, and addressing regional outdoor and indoor air quality concerns, and still there is plenty more to do. Moving forward, there continue to be opportunities to partner with community members and organizations as our community plans and prepares for the increasing effects of climate change in Fort Collins. **You can get involved by developing an emergency plan for your household or an emergency and communication plan for your business and employees. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:¹⁸

- Proposed metrics about how we're preparing for continuing changes to our climate:
 - Number of programs or agencies that support community networks
 - Collaboration with regional agencies, including intergovernmental agreements in place
 - Number of community, operational plans, and related activities that address resilience through the integration of preparedness, response, recovery and adaptation
 - Campaigns or programs that reduce ozone or particulate matter
 - Reduced water use
 - Community survey results
- Metrics about how we respond and recover from disruptive events will be reported following a disruptive event.

MARITZA

engaged with the Latinx/Hispanic community

"The Big Moves are the first step at addressing environmental inequities that my community experiences. This initiative also puts us at the decision-making table for changes towards a more sustainable and inclusive future."



¹⁸ **What do these mean?** Preparing for climate change can usually be measured by the activities we're doing to be better prepared. Because each event will require different responses and have different impacts, staff will use a variety of measurements to evaluate the community's recovery from a disruption specific to the type of event. Disruptive events may include wildfires, floods, emerald ash borer, high heat events, and drought, and preparedness, response and recovery may look very different for each of these.

BIG MOVE 3 CLIMATE RESILIENT COMMUNITY

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
CRC1 *	Adopt a holistic approach to integrated water resource planning and management (One Water Approach)	HNS	\$	●	●	◎◎
CRC2 *	Ensure that air quality levels and information about related health concerns is representative, easily accessible and broadly communicated	HNS	\$	●	●	◎
CRC3 *	Expand and enhance water efficiency programs and incentives	HNS	\$	●	●	◎
CRC4 *	Update codes to address existing and new developments' indoor and outdoor water efficiency	HNS	\$	●	●	◎
CRC5 *	Educate and communicate the current emergency sheltering process and explore expanded options for disproportionately affected groups	HAH	\$	◎	●	◎◎
CRC6	Integrate climate resilience considerations into city strategic and operational plans	SLCP	\$	◎◎	●	◎◎
CRC7	Partner with trusted community sites to provide resources and information during community emergencies (Resilience Hubs)	SLCP	\$	◎◎	●	◎◎
CRC8	Develop and foster community relationships and partnerships to strengthen cooperation in emergencies or events	SLCP	\$	◎	●	◎◎
CRC9	Engage community-based organizations in building climate resilience communities	SLCP	\$	◎	●	◎◎
CRC10	Explore options that enhance the availability of financing to support small business creation, expansion, and retooling	SLCP	\$	◎	●	◎◎
CRC11 *	Increase information campaigns directed towards young adults and college students regarding climate change impacts, their effects in Fort Collins, and how to act	SLCP	\$	●	●	◎


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LIVE BETTER



“ Just remember wheelchair accessibility! If we do not have snowplowing of residential sidewalks and side streets, we cannot access even the most wonderful public transportation offerings. ”



BIG MOVE 4

CONVENIENT TRANSPORTATION CHOICES

It is safe, easy, fast and affordable to get around without a car.



NORTHERN COLORADO INTERTRIBAL POWOW ASSOCIATION (NCIPA) is connected to the Native and Indigenous communities in Fort Collins

“We must do our part to protect and preserve our Mother Earth for our future generations.”

We know that some places in Fort Collins feel safe and reasonable to get around without a car, but that this isn't true in all of Fort Collins or for all individuals. With this Big Move, we imagine that getting around the city will be a safe and easy experience without a car for everyone, especially for those who choose to bike, walk, or use transit. In the future, using a car won't have to be the first choice residents generally make because investments in transit make it a fast, convenient, safe, and accessible choice, and investments in bicycling and walking infrastructure make emissions-free choices the top pick in Fort Collins. Using a car can eventually be typically a shared experience, reducing dependence on car ownership while improving mobility and access for all residents, especially the Disabled Community and other historically marginalized groups. **You can get involved by going car-free one extra trip per week than you currently do or start incentive programs in your business to encourage people to save car trips. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:¹⁹

- Transit Ridership (Transfort and FLEX services)
- Percent of commuters who drive alone, carpool, bike, use transit, or telework (mode share)
- Total community vehicle miles traveled (VMT)
- Average travel time across Fort Collins
- Transit access and safety

BIG MOVE 4 CONVENIENT TRANSPORTATION CHOICES

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
CTC1	Continue to build bicycle facilities as identified in the Bicycle Master Plan	CRC	\$\$\$	🎯	●	🎯
CTC2*	Create mobility hubs to support convenient transportation connection options	CRC	\$\$\$	🎯	●	🎯
CTC3*	Expanding local and regional public transit coverage and frequency	LWPN	\$\$\$	🎯	🎯	🎯
CTC4*	Provide travel trainings program	LWPN	\$	🎯	●	🎯
CTC5*	Offer integrated transport tickets and timing to promote cycling	CRC	\$	●	●	🎯
CTC6*	Create flexible transit system that adapts with variable demand	LWPN	\$	🎯	●	🎯

GHG IMPACT

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¹⁹ **What do these mean?** These existing metrics help us understand if people are making choices other than use of a personal vehicle and point to what may be barriers to making those choices.

“ For me, this is one of the defining characteristics of a ‘livable’ city. It means that what I need is close by and easily accessible. ”



BIG MOVE 5

LIVE, WORK AND PLAY NEARBY

No matter where we live, we all can meet our basic daily needs without driving across town.

The way the City guides land use and development patterns plays an important role in each of our transportation decisions. Many of us probably spend a lot of time in our cars, getting to work, taking kids to after-school activities, and making sure we have food for the week. If housing is not close to where we work, shop, or recreate, it forces us to take longer trips, usually by car, and emissions from cars and other vehicles contribute to about 20% of our community carbon inventory.²⁰ This need to drive leads to more congested roads and lots of space spent on parking lots, and also means that we’re farther away from resources in times of personal or community-wide emergencies. If we cut down on reasons to drive, we’ll all have a little more time in the day, we may feel more connected to those living close to us, and we’ll reduce greenhouse gas emissions. **You can get involved by looking into businesses nearby to see if they can meet your needs or offering loaner bikes that your employees can borrow to run short errands or go to lunch. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:²¹

- Neighborhood walkability
- Neighborhood safety
- Residential proximity to grocery stores and public schools
- Percent of residents who respond that they have good or excellent access within their neighborhoods to everyday needs (Community Survey)

20 Source: 2019 Community Carbon Inventory.

21 **What does that mean?** Staff will develop three metrics, which together will help determine people’s ability to get where they need to go without a car, since we know that proximity may not be the only reason that people choose how to get to their destination. The fourth metric comes from the biannual Community Survey.

BIG MOVE 5 **LIVE, WORK, AND PLAY NEARBY**

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
LWPN1	Enhance partnerships with schools to ensure safe ways for kids to get to school	CTC	\$	●	●	●
LWPN2	Evaluate opportunities within the Land Use Code to better encourage the development of “complete neighborhoods” that include a variety of housing options, access to services and amenities, and proximity of housing to jobs	CTC	\$	●	●	●
LWPN3 *	Encourage neighborhood level work sites (coffee shop plus)	CTC	\$	●	●	●
LWPN4 *	Increase density and mixed uses through the land use code as guided by City Plan	HAH	\$	●	●	●

GHG IMPACT

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“ Getting our community behind this goal would create jobs, provide individual savings, and provide a goal that all members of the community could contribute to. The community pride I would feel being part of this effort is a big positive. ”

BIG MOVE 6

EFFICIENT, EMISSIONS FREE BUILDINGS

Everyone lives and works in healthy energy and water efficient buildings which transition to become emissions free.

We spend up to 90% of our time indoors, mostly at home, at school, and at work. Our buildings and homes represent the physical fabric of our community, are the places where we connect with family, friends and colleagues, and are often where we feel the safest. Changing our buildings, and our habits in them, has the potential to positively impact our lives more than any other actions.

The buildings in our community comprise over two thirds of our community's carbon emissions to provide for heating, cooling, lighting, cooking, entertainment, business and manufacturing. They also contribute to the physical and financial health of community members that occupy them. The investments in improving building performance create jobs, improve indoor air quality and health and enable hard-earned dollars to go toward other family needs and not utility bills. You can get started by monitoring your home [energy and water use online](#) or review [tips and tricks for conserving energy](#) within your business. Check out other actions listed in the Our Climate Future Action Guide.

Efficient, Emissions Free Buildings means working to improve efficiency in all existing buildings and new development of homes and commercial buildings to:

- Improve building efficiency to save resources and improve indoor air quality;
- Change our habits for conservation and becoming active participants in the future energy system;
- Transition away from the use of natural gas and other fuels (electrification) for heating and cooking while improving grid flexibility, and
- Engage local manufacturing partners to reduce industrial process emissions, which are a source of potent and long-lived greenhouse gases.

Tracking progress on this Big Move:²²

- Annual electricity and natural gas program portfolio savings
- Annual changes in community use of electricity and natural gas
- Available electric capacity for grid flexibility
- Number of homes (total and rentals) upgraded annually

²² **What do these mean?** Electricity and natural gas savings as a percentage of community use are consistently measured and reported by utilities and are a good indicator of programs' overall performance. Community electricity and natural gas use are closely tied to the carbon inventory and provide a breakdown by energy source. Grid flexibility capacity is an emerging metric in the utility industry and will likely evolve over the coming years. The number of homes and rental homes upgraded provides an indication of how the residential programs are meeting the community's single family housing types.

BIG MOVE 6 EFFICIENT, EMISSIONS FREE BUILDINGS

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
EEFB1	Continue and expand demand response and grid flexibility programs	RE	\$\$\$	●	●	●
EEFB2*	Develop an energy performance path for new construction to zero carbon building by 2030	RE	\$\$\$	●	●	●
EEFB3*	Continue and expand home and business efficiency programs	HAH	\$\$\$	●	●	●
EEFB4*	Expand programs for electrification of space and water heating	HAH	\$	●	●	●
EEFB5	Provide focused energy efficiency and indoor air quality incentives for historically under-served households	HAH	\$	●	●	●
EEFB6*	Explore models to support geo-exchange shared heating and cooling systems for multi-family buildings	RE	\$\$	●	●	●
EEFB7	Explore adding performance standards to Building Energy and Water Scoring program	CRC	\$\$\$	●	●	●
EEFB8	Explore residential Home Energy Score point of listing requirement	CRC	\$\$\$	●	●	●
EEFB9*	Explore paired efficiency and jobs program with dedicated funding	HLEJ	\$\$	●	●	●
EEFB10*	Support incentives and regulation to reduce industrial (air pollution) emissions	HNS	\$	●	●	●
EEFB11	Explore door to door outreach model for efficiency and home envelope improvements	HAH	\$	●	●	●

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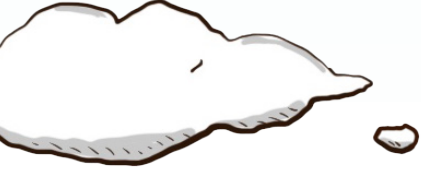
CARE HOUSING is connected to low-income communities.

“For CARE Housing, developing and maintaining healthy, efficient, affordable rental homes is critically important on many levels. It’s a win for the organization, the community, and the family living in the home.”





“ There are many people who do not desire the traditional house with a 20-30 year mortgage... there are so many people (both young and old) who want to live smaller, and we are ready for those options to be available in our city. ”



BIG MOVE 7

HEALTHY, AFFORDABLE HOUSING

Everyone has stable, healthy housing they can afford.



JESUS engaged with the Latinx/ Hispanic and DACA Communities.

He lent his perspective to the Healthy and Affordable Housing Big Move.

This Big Move is critical because today not all community members have affordable, safe, and healthy places to live. Nearly 20% of homeowners and 60% of renters in Fort Collins cannot afford their monthly housing costs.²³ We know that while all community members are impacted by the rising house prices, our Black, Indigenous, and People of Color (BIPOC) as well as low-income residents are disproportionately impacted by these costs. **Because so many community members have to live out of town, they end up commuting into Fort Collins – which usually increases greenhouse gas emissions. Additionally, having a stable housing situation positively contributes to people’s ability to respond and recover from a disruptive event and their capacity to engage with topics like climate change and reducing emissions.** While it may be new to see healthy, affordable housing addressed in a climate, energy, and waste plan, a plan that is shaped around humans and their lives can’t go without this topic.

Note that six of the strategies in this Big Move are also included in the Housing Strategic Plan. These strategies not only advance the Housing Strategic Plan’s vision that everyone has stable, healthy housing they can afford, they also have the potential to reduce carbon emissions, increase community resilience, and advance more equitable solutions for all community members. In other words, like many of the moves included in Our Climate Future, these strategies benefit more than just any one area.

Tracking progress on this Big Move:²⁴

- % Fort Collins housing stock that is affordable housing
- % daytime population growth
- % of cost-burdened homes (renters and owners paying more than 30% of their income on housing), disaggregated by race
- Homeownership rates, disaggregated by race and income



HOMEOWNERSHIP RATES IN FORT COLLINS VARY BY RACE

(Source: Equity Indicators):

- 55 in 100** white households
- 42 in 100** Hispanic/Latinx households
- 52 in 100** Asian households
- 20 in 100** Black households
- 47 in 100** Native American households



23 Source: American Community Survey, 2018. The U.S. Department of Housing and Urban Development defines cost-burdened households as those that pay more than 30% of their income for housing.

24 **What does that mean?** There are many ways to measure the affordability of housing in Fort Collins. We look at these measures by identities to see housing affordability programs are benefiting all groups equitably. In the first metric, affordable housing is defined housing that is affordable for at least 20 years to someone earning 80% or less of area median income (AMI). The second metric, regarding daytime population growth, tracks people who commute into the city for work but don’t live here.

BIG MOVE 7 HEALTHY, AFFORDABLE HOUSING

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
HAH1*	Expand foreclosure and eviction prevention and legal representation, especially in times of crisis	CRC	\$\$			
HAH2*	Explore revisions to the City's occupancy policy (U+2) to determine opportunities to streamline processes and right size the policy for today's needs for achieving stability, health, and affordability citywide	EEFB	\$\$			
HAH3*	Increase the number and diversity of housing types and allow more homes per lot (density) via an update to the City's Land Use Code	LWPN	\$			
HAH4*	Continue the Housing First model for supporting persons experiencing homelessness and provide wraparound services	SLCP	\$\$\$			
HAH5	Create targeted neighborhood level interventions to increase green infrastructure and/or energy retrofits to address environmental justice issues (also known as Green Zone)	EEFB	\$\$\$			
HAH6*	Explore the option of mandated rental licensing/rental registry with minimum standards for health safety, stability, and efficiency	EEFB	\$\$\$			
HAH7*	Provide guidelines on the optimal space use and sizing for various housing spaces to increase efficiency and reduce cost of living	EEFB	\$			
HAH8*	Improve infrastructure in low-income neighborhoods	LWPN	\$			
HAH9*	Strengthen incentives for mixed-use development along the MAX corridor to encourage more housing	LWPN	\$			

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“ Having access to healthy local sourced goods allows me to directly support local farmers and other small businesses. ”



BIG MOVE 8

LOCAL, AFFORDABLE AND HEALTHY FOOD

Everyone has stable, healthy housing they can afford.

JULIA connected with college students and community members under the age of 29.

“Eating locally not only helps lessen your environmental footprint, but also supports local businesses during such a crucial time. This is one of the best ways to support our planet, our community, and our future.”



Like housing, food is an essential component of each of our lives. Being intentional about what we eat can help reduce greenhouse gas emissions, based on types of foods and where they're coming from, and considering how much we buy can help reduce food waste. A sustainable, local food system can have other broad reaching and positive impacts ranging from improved soil, water, and ecosystem health to providing a healthy and reliable food source for all members of our community. Nearly 40,000 residents in Larimer County are considered food insecure, while one third of school-aged children receive free or reduced meals.²⁵ Through innovative partnerships, all of us can have increased access to healthy, fresh foods grown and raised close to home. Affordable, accessible local food will require support across the food system – decreasing barriers for farmers to establish and expand their efforts, while building an efficient and effective system for affordably distributing this food to the community.

To be successful, this Big Move will require deep and sustained partnerships between governmental entities, nonprofits, and private enterprises. The City as an organization has had limited focus on our food systems, but there are many leaders in this space in Fort Collins, and as a community, we can begin to shift our food systems to be more focused on local, affordable, and healthy food options. **You can get started by visiting a local Farmer's Market or buy local and healthy food for meals and events at your business. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:²⁶

- % of households participating in the Supplemental Nutrition Assistance Program (SNAP), disaggregated by age and race
- % of farmers market sales from SNAP dollars

25 Source: Food Bank of Larimer County. The USDA defines food insecurity as a household-level economic and social condition of limited or uncertain access to adequate food.

26 **What do these mean?** Metrics for this Big Move are still in development. Using data about who receives assistance for paying for food through the Supplemental Nutrition Assistance Program (SNAP) helps us understand whom is food insecure in our community.

BIG MOVE 8 LOCAL, AFFORDABLE, AND HEALTHY FOOD

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
LAHF1 *	Promote local food through education	CRC	\$			
LAHF2 *	Decrease barriers for home gardening, residential farming, and small, sustainable farming operations	CRC	\$			
LAHF3	Explore mechanisms to incentive partnerships between government, nonprofits, and private enterprises that increase access to local, affordable, and healthy food	CRC	\$			
LAHF4 *	Increase access to affordable CSAs (community supported agriculture subscriptions)	CRC	\$			

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RESOURCE BETTER

“ Having a healthy economy and jobs is essential to enabling us to care for our families/community while improving Our Climate Future. ”

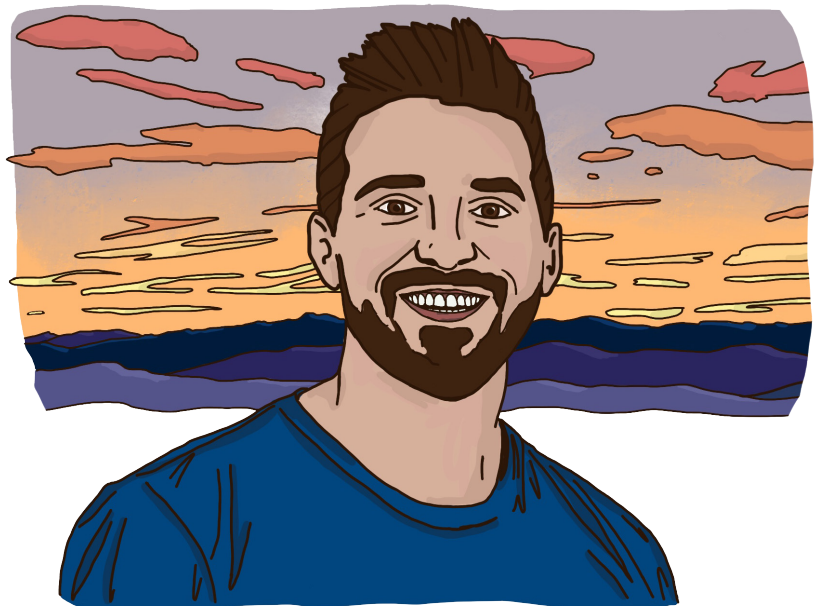
BIG MOVE 9

HEALTHY LOCAL ECONOMY AND JOBS

The community supports a healthy innovative local economy with new opportunities for all people and businesses to thrive.

CHRISTIAN connected with college students.

“To me, OCF means that we are moving forward in the right direction. The effects of climate change are already being felt around the world- and especially in Colorado. Truly, lives, economies, and ecosystems hang in the balance. We must work diligently, together, to overcome today and tomorrow’s challenges.”



Supporting the creation of jobs and a healthy economy is something our community has been co-creating for decades. Along with hundreds of businesses, both local and international, our diverse economy has become known as a place of innovation. With innovation so deeply embedded in our DNA, Fort Collins can and has supported businesses from start up to established who are creating solutions that act on climate change locally and globally - solutions such as job training and development in renewable energy, energy efficiency, and transformation of waste into resources, and solutions that shift to more sustainable operations that save businesses time and money while positioning them to be successful in a world that increasingly favors sustainable business. Finally, creating more high paying jobs locally that work to solve these critical issues ensures more people that work in Fort Collins are able to live here instead of commuting from other communities and increasing transportation emissions. **You can get started by shopping locally for yourself or your business. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:²⁷

- Unemployment Rate
- Business Establishments per Capita
- Net of jobs created overall per year in Fort Collins
- Number of businesses as lead or support partners of Next Moves
- % of total jobs created that are in environmental sustainability sectors

²⁷ **What do these mean?** Staff will track numbers of Fort Collins residents who are unemployed, how many businesses are in Fort Collins compared to total population, and the net number of new jobs created each year to understand the health of Fort Collins' economy. The number of businesses as partners on Next Moves and the percent of new jobs that are in environmental sustainability sectors will give us a more specific lens for the economy and Our Climate Future.

BIG MOVE 9 HEALTHY LOCAL ECONOMY AND JOBS

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
HLEJ1*	Explore opportunities and best practices for multilingual businesses and workforce development programs	CRC	\$	●	●	●
HLEJ2*	Support small businesses and workforce development in times of crisis	CRC	\$	●	●	●
HLEJ3	Update the Economic Health Strategic Plan to adapt to rapidly changing economic conditions	CRC	\$	●	●	●
HLEJ4	Reimagine a sustainable business recognition program	SLCP	\$	●	●	●
HLEJ5*	Support small businesses and workforce in times of stability	SLCP	\$	●	●	●
HLEJ6*	Explore policies and incentives for more local green jobs	RE	\$	●	●	●

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OUR ECONOMY AND CLIMATE CHANGE

Without a healthy economy there can be no ambitious climate action and without ambitious climate action locally and globally, we will be hard pressed to have a healthy economy. Both are essential to the future we want in Fort Collins. That is why our community needs to partner with our innovative, creative businesses to help lead the way by turning the challenges of climate change into business opportunities. The economy of tomorrow will inevitably embed the risks, challenges and opportunities of climate change into how it functions and is already doing so. If Fort Collins is going to rise to the opportunity and challenges of climate change, collaborating with our businesses will be essential to developing solutions.



“ I think a circular economy is vital to the overall process of waste and consumption moving forward. If we invest in these technologies and platforms, we can seriously put NoCo ahead of many US states. ”



BIG MOVE 10

ZERO WASTE ECONOMY

Business, industry, institutions, and government collaborate to recirculate resources and eliminate waste.

Creating a zero waste or “circular” economy is about rethinking systems so the materials used in processes, products, and projects are used thoughtfully, are long-lasting, and have somewhere to go when they are no longer needed. Every year Fort Collins generates over 200,000 tons of materials like asphalt, concrete, wood, soil, and other materials from industrial activities and a little over one-third of that ends up in the landfill.²⁸ When these materials can instead be recycled or used by another local or regional business, companies save money and avoid using new materials. By closing loops closer to home, businesses can increase resilience to supply chain disruptions and reduce environmental impacts. Keeping materials in circulation can also create new jobs in our region as remanufacturing, renovating, and recycling are often labor-intensive professions. Creating a Zero Waste Economy will change our systems as much as our perceptions about the value of materials, perhaps even making the term “waste” feel old fashioned. **Your industry or institution can get started by using Recycle Colorado’s material exchange platform. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move: % increase in value retained in economy instead of lost²⁹

28 Source: 2019 Fort Collins Community Waste & Recycling Summary.

29 **What does this mean?** City staff will develop a new metric that estimates the dollar value of industrial materials retained in the economy instead of lost. This will be a challenging metric to develop but if successful will help make the business case for our local circular economy.

WHAT IS THE CIRCULAR ECONOMY?

The circular economy is a way of changing how our economic system works (i.e. extracting raw materials, processing, manufacturing, consumer use, and then landfilling) to a new lower-impact system that connects “waste” materials back to the start of the chain to be used as inputs again (proving they weren’t waste at all!) If that sounds similar to recycling, it is! But with a few key differences. The circular economy seeks to preserve the value of materials as much as possible, making a much stronger business case for reusing materials instead of landfilling. This typically requires innovation in how things are manufactured, for example, using higher quality materials so that they hold up to the recycling process or designing products to be easily taken apart. The circular economy also thrives on partnerships and platforms (like the “digital marketplace for waste” strategy shown in the table below) that help get one industry’s by-product into the hands of another industry’s production process. An example is coffee chains partnering with mushroom producers who can use the spent coffee grains as a growing substrate. **The circular economy will be an area where Fort Collins’ history of innovation can serve our business community and our climate action and waste goals!**

BIG MOVE 10 ZERO WASTE ECONOMY

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
ZWE1	Support work on a digital marketplace for industrial waste	ZWN	\$	●	◎	◎
ZWE2	Continue to explore ways to further reuse and recycle soil from City projects		\$	●	●	◎
ZWE3	Explore waste-to-energy and other tier 3 Regional Wasteshed strategies	CRC	\$\$\$	●	◎	◎
ZWE4*	Prioritize retaining and improving existing buildings	CRC	\$	◎	●	◎
ZWE5	Establish or support materials reuse facilities	EEFB	\$	◎	●	◎
ZWE6*	Explore prefabricated or modular construction opportunities	EEFB	\$	◎	●	◎
ZWE7	Require recycled/recyclable construction materials in city projects	EEFB	\$	●	●	◎
ZWE8	Establish a dedicated innovation platform for the circular economy	HLEJ	\$\$	◎	●	◎
ZWE9*	Require circular and affordable land use development	HAH	\$\$\$	◎	●	◎

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
ZWE10	Build a reuse-focused innovation hub	SLCP	\$			
ZWE11*	Explore reuse partnerships for exclusive salvage rights of reusable materials from transfer stations with local partners	SLCP	\$			
ZWE12	Expand construction and demolition waste ordinance	ZWN	\$\$			


GHG IMPACTS WASTE IMPACTS

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BREATHE BETTER



“ Natural spaces and healthy ecosystems are a place I like to go for peace. Having access to these things is very important to me, and can offer many benefits to others. ”



BIG MOVE 11

HEALTHY NATURAL SPACES

We are all stewards of healthy natural spaces and honor the deep and historical human connection to this land.

Fort Collins is loved for its natural spaces. Spending time outside has valuable physical and mental health benefits for everyone, and nature has particular significance for people who identify as Native or Indigenous and have a long history of stewardship of the land as a way of life. For thousands of years, many Indigenous peoples lived in this area and cultivated a deep culture and tradition of relationship to the land, and some of our community members still honor those traditions.

Conserved lands at the local level can support species' habitats and travel corridors that would otherwise be disconnected by urban development while sequestering carbon. To maintain and enhance this vital part of the city, we all can take responsibility for ensuring that as the city's landscape becomes increasingly developed, we are maintaining healthy landscapes and implementing nature-based solutions to address a changing environment. By nurturing diverse ecosystems that range in size from front yards to large spans of open space, we all can more easily connect to nature where we live, work, and play, while supporting the wildlife that also call this region home. **You can get started by adding pollinator friendly plants to landscaping or flowerpots at your home or business. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:³⁰

- Percent of residents within a 10-minute walk of a park or natural area
- Water quality of Horsetooth Reservoir and Poudre River
- Water savings
- Acres actively managed to improve plant and wildlife habitat
- Tree replacement rate and percent canopy coverage (in development)

NATURE-BASED SOLUTIONS

Red Fox Meadows is a great example of a nature-based solution. It is both a neighborhood natural area and a stormwater detention site, providing habitat for wildlife and trails and outdoor space for people, while reducing flood risk.



ISABEL is connected to the LGBTQIA+ and college community, as well as people under 29.

“The protection of natural spaces is greatly important to the young people of our community because we deserve to have the same access to healthy environments as the generations before us. As climate change continues to damage the natural world around us, partnerships between the City government and the Fort Collins community will become increasingly necessary to manage these issues. As a member of the LGBTQIA+ community, I also believe it is important to ensure that each of us- no matter who we are- have abundant access to safe, vibrant environments.”

³⁰ **What do these mean?** These metrics help us understand both human connection to the land and the health of the city’s ecosystems. Active management is the restoration of land for native vegetation and high-quality wildlife habitat.

BIG MOVE 11 HEALTHY NATURAL SPACES

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
HNS1*	Explore partnerships for habitat management and education for wildfire mitigation	CRC	\$	●	●	●
HNS2*	Pursue habitat protections in the case of oil and gas development within natural areas and/or in close proximity to natural habitat features	CRC	\$	●	●	●
HNS3*	Protect and expand natural habitats as growth occurs	HAH	\$\$	●	●	●
HNS4	Begin development of an Urban Forest Strategic Plan in support of maintaining a healthy and resilient tree canopy on public and private lands	CRC	\$	●	●	●
HNS5*	Establish recovery plans for natural areas impacted by disasters	CRC	\$\$	●	●	●
HNS6*	Explore opportunities for the City to recognize historical BIPOC connections to the land, especially indigenous connections, and explore ways to support BIPOC-led efforts around land	SLCP	\$	●	●	●

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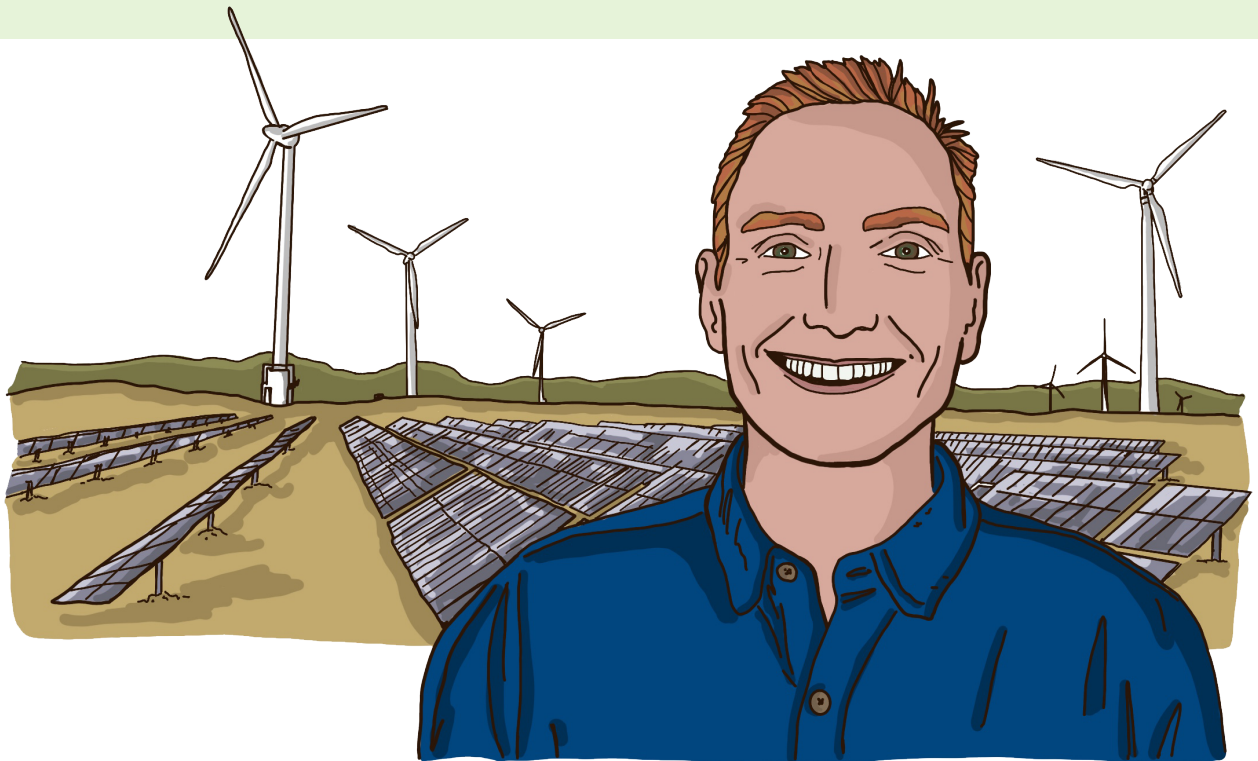
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“ Electricity is another major source of GHG emissions in Ft. Collins and elsewhere. I’m most concerned about meeting our 2030 goal to set an example for the rest of the state, country, and world. ”

BIG MOVE 12

100% RENEWABLE ENERGY

Everyone in the community receives affordable and reliable 100% renewable electricity, including from local sources.



JOHN connected with youth and young students.

“Renewable energy makes economic as well as ecological sense. Now is the time to transition to clean, green energy sources.”

Electricity powers our lives, local economy, homes, and businesses and comprises nearly 50% of current community carbon emissions.³¹ This Big Move envisions a future electric system very different from the legacy systems in use for nearly 100 years. Solar panels, wind turbines, batteries will support an interconnected system across many states. Individual homes and businesses will be able to choose to provide some of their energy directly. Our buildings and electric vehicles will become part of the system, adjusting use up or down to help align the demand with the supply. This is one area of action that will include substantial technological innovation while also being paired with meeting daily needs.

Critically, this evolution needs to ensure that electricity remains an affordable and accessible to everyone in Fort Collins. This new electric system also needs to remain reliable as it relies on dynamic sources and the likelihood of more frequent weather-driven extreme events due to climate change.

Fort Collins has traditionally been served by coal power plants and long-established hydro-electric sources. Fort Collins Utilities is a municipally-owned electric utility and a part owner with three other cities of Platte River Power Authority, giving us substantial influence and control over electricity supply options. Currently, non-fossil resources account for over 50% of our electricity sources, resulting in a sharp decrease in emissions from previous years.

In October 2018, City Council adopted a goal of 100% Renewable Electricity by 2030. Months later, Platte River Power Authority adopted a Resource Diversification Policy which includes a target of 100% non-carbon resources by 2030.

Looking out towards electricity emissions in 2030, Platte River has announced a new 150-megawatt solar project to be online by 2024, that Rawhide Unit 1 coal generator will be closed by 2030 and their Integrated Resources Plan calls for 90% non-carbon sources by 2030. Since electricity makes up about half of Fort Collin' community inventory, these commitments will have an immense contribution towards reducing emissions. **You can get started by learning more about renewable energy options from City of Fort Collins Utilities, including a subscription to 100% renewable energy, purchase renewable energy to power your business, or explore generating your own electricity (i.e. adding solar panels to your roof). Check out other actions listed in the Our Climate Future Action Guide.**

The 100% renewable electricity big move means:

- Working with Platte River to increase utility scale renewable electricity sources;
- Continuing to expand the capacity of local solar and battery storage, and
- Deploying new capabilities and strategies to support variable renewable energy resources with responsive homes, businesses, and electric vehicles.

Tracking progress on this Big Move:³²

- Annual percentage of renewable electricity;
- Annual percentage of local renewable electricity;
- Annual reliability metrics, and
- Electricity cost burden (in development)

31 Source: Fort Collins 2019 Community Carbon Inventory.

32 **What does that mean?** City staff will track the percent of our community's electricity use that is from renewable sources (e.g., solar and wind) and will specifically pull out the percent that is generated from sources within Fort Collins (e.g., rooftop solar). The reliability metrics are tracking on an ongoing rolling basis by the Light & Power Utility and regularly reported to the Energy Board and Senior Management.

BIG MOVE 12 RENEWABLE ELECTRICITY

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
RE1 *	Explore new community solar options	CRC	\$\$\$	●	◎	◎
RE2 *	Increase utility scale renewable generation by Platte River Power Authority	CRC	\$\$\$	◎	◎◎	◎
RE3	Continue to implement battery storage programs	EEFB	\$\$\$	●	●	◎◎
RE4 *	Continue to implement distributed solar programs	EEFB	\$\$\$	●	◎	◎◎
RE5	Develop systems to implement shared solar solutions	EEFB	\$	◎	●	◎◎
RE6 *	Explore options for renewable energy for low-income households	HAH	\$\$	◎◎	●	◎
RE7	Include distributed energy resources in the next Integrated Resources Plan with Platte River	CRC	\$	●	●	◎◎

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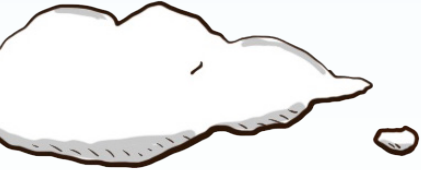
ELECTRICITY PRICING

The pricing of electrical energy should strive to balance the following principles:

- Reflect the short-term and long-term costs, both direct and indirect, of generating and delivering electricity
- Demonstrate equity and fairness by distributing costs over the customer base in proportion to the cost of service
- Consider both per unit costs (rates) and total bills in comparisons of competitiveness and affordability
- Promote efficiency and conservation with meaningful price signals
- Set a clear, transparent, long-term direction for electric rates with gradual changes
- Develop rates in the context of long-term asset planning, fixed cost recovery and financial stability



“Cleaner air will improve my health. Fewer carbon emissions will improve prospects for my children’s future.”



BIG MOVE 13

ELECTRIC CARS AND FLEETS

Residents can afford and use electric cars, including shared electric cars, and conventional fleets are converted to electric.

Though Our Climate Future imagines a future with less dependence on cars, single occupancy vehicles and cars will undoubtedly still play a role in getting us around, such as in times of emergencies. In line with market shifts and our priorities of equity and climate action, over the next several years, those cars will continue to transition to be electric, rely on renewable electricity, and be easy to connect to community charging infrastructure. Electric cars can be made more affordable for private purchase through business, City, State, or Federal incentives. Car use can also become a more frequently shared experience, such as through carpools or a shared neighborhood electric car. This will be even more possible when most of our daily transportation needs can be met through transit, biking, or walking. Commercial and municipal fleets, such as trucks, buses, and business-related vehicles, will also continue a transition to electric, improving local air quality, reducing noise, and improving our health. **To get started, consider replacing your existing gas or diesel vehicle with an electric car at your home or business or consider an electric vehicle car sharing option. Check out other actions listed in the Our Climate Future Action Guide.**

Tracking progress on this Big Move:³³

- Percent of community (residents and business) fleet that is emissions free
- Miles per gallon equivalence (MPGe) efficiency

³³ **What do these mean?** Our community fleet, made up of personal and businesses vehicles, can be broken out by type, so we can track what percent of personal and business vehicles are electric. An interim step in transitioning to electric vehicles is increased miles per gallon efficiency, meaning cars can travel farther on the same amount of gas and therefore create less emissions.

BIG MOVE 13 **ELECTRIC CARS AND FLEETS**

NM#	NEXT MOVES	CONNECTIONS	INVESTMENT	EQUITY	MITIGATION	RESILIENCE
ECF1 *	Assess community needs for electric vehicle infrastructure programs	RE	\$	●	●	◎
ECF2	Transition to emissions-free public transit	CTC	\$\$	●	●	◎
ECF3	Support market driven adoption of electric cars	CRC	\$\$\$	●	◎◎	◎
ECF4 *	Encourage EVs for ride-hailing	CTC	\$	◎◎	●	◎
ECF5 *	Encourage EV car shares supporting low-income ares	LWPN	\$\$\$	◎◎	●	◎

GHG IMPACT

Shaded items are included in the Tactical Plan 2021/2022 and are currently being implemented.

* = Inspired by the community

◎ = HIGH ◎ = MED ● = LOW

OZONE NON-ATTAINMENT

Ozone levels measured in Fort Collins, and along much of the northern Front Range, are higher than federal health-based standards set by the Environmental Protection Agency. Locally, transportation sources are one of the largest contributors to ozone causing pollutants. Reductions in transportation emissions can both lower greenhouse gas emissions and improve ozone.