

AGENDA

CITY OF FORT COLLINS • BOARDS AND COMMISSIONS



ENERGY BOARD

REGULAR MEETING

February 9, 2023 – 5:30 pm
222 Laporte Ave – Colorado Room
Zoom – See Link Below

Participation for this Energy Board Meeting will be in person in the Colorado Room at 222 Laporte Ave.

You may also join online via Zoom, using this link: <https://fcgov.zoom.us/j/96707441862>

Online Public Participation:

The meeting will be available to join beginning at **5:15 pm, February 9, 2023**. Participants should try to sign in prior to the 5:30 pm meeting start time, if possible. For public comments, the Chair will ask participants to click the “Raise Hand” button to indicate you would like to speak at that time. Staff will moderate the Zoom session to ensure all participants have an opportunity to address the Board or Commission.

To participate:

- Use a laptop, computer, or internet-enabled smartphone. (Using earphones with a microphone will greatly improve your audio).
- You need to have access to the internet.
- **Keep yourself on muted status.**

Masks Strongly Recommended in Indoor Public Spaces

While there are currently no public health orders in place, Larimer County Public Health officials strongly recommend that well-fitting, high-quality masks are worn in crowded indoor spaces. For more information, please visit fcgov.com/covid

1. **[5:30] CALL MEETING TO ORDER**
2. **[5:30] PUBLIC COMMENT**
3. **[5:35] APPROVAL OF JANUARY 12, 2023 MINUTES**
4. **[5:45] STAFF REPORTS** (Discussion, 45 min)
 - Executive Director’s Update
Kendall Minor, Utilities Executive Director
 - Light & Power Operational Update
Phillip Amaya, Deputy Director, Utilities Light & Power
 - Energy Services Operational Update
Brian Tholl, Energy Services Supervisor
5. **[6:30] OUR CLIMATE FUTURE 2023/24 NEXT MOVES PLAN** (Discussion, 45 min.)
Brian Tholl, Energy Services Supervisor

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ENERGY BOARD

REGULAR MEETING

6. **[7:15]** BOARD MEMBER REPORTS (5 min.)
7. **[7:20]** FUTURE AGENDA REVIEW (5 min.)
8. **[7:25]** ADJOURNMENT

MINUTES

CITY OF FORT COLLINS • BOARDS AND COMMISSIONS



ENERGY BOARD

January 12, 2023 – 5:30 pm
222 Laporte Ave – Colorado Room

ROLL CALL

Board Members Present: Alan Braslau, Steve Tenbrink, Bill Althouse, Marge Moore, Jeremy Giovando, Bill Becker, Vanessa Paul, Brian Smith, Thomas Loran

Board Members Absent:

OTHERS PRESENT

Staff Members Present: Christie Fredrickson, John Phelan, Phillip Amaya, Rhonda Gatzke, Cyril Vidergar, Leland Keller, Rhonda Gatzke

Members of the Public:

MEETING CALLED TO ORDER

Chairperson Tenbrink called the meeting to order at 5:30 pm.

ANNOUNCEMENTS & AGENDA CHANGES

None.

PUBLIC COMMENT

None.

APPROVAL OF MINUTES

In preparation for the meeting, board members submitted amendments via email for the December 8, 2022, minutes. The minutes were approved as amended.

INTRODUCTION TO PHILLIP AMAYA

Phillip Amaya, Deputy Director, Utilities Light & Power

Mr. Amaya comes to the City with over 20 years of experience with Magic Valley Electric Cooperative in Mercedes, Texas. MVEC is the third largest Electrical Distribution Cooperative in Texas with 135,000 customers; Mr. Amaya served as the Technical Services Division Manager since 2002. While at MVEC, he was responsible for Power Systems Engineering functions including system studies, Grid Modernization, ADMS, and interconnected software systems & programs. During his career, he led and developed teams of power systems managers, engineers, & technicians, as well as system operators, lineworkers, and staking personnel. Prior to his career with MVEC, Mr. Amaya spent time in the United States Army, and received his electrical engineering degree from the University of Texas Rio Grande Valley.

Chairperson Tenbrink asked what Mr. Amaya what he sees as the biggest challenge in Fort Collins, from a technology perspective. Mr. Amaya said it's amazing where the City already is within the realm of technology; the Utility is already upgrading systems that many utilities are only just now installing. Much of the Utility's infrastructure is aging, so he would like to start prioritizing how, where, and when to begin replacing that aging infrastructure with new tools, such as partial discharge testers and Energy Services style-technology (data management systems).

MINUTES

CITY OF FORT COLLINS • BOARDS AND COMMISSIONS



ENERGY BOARD

REGULAR MEETING

Board member Braslau asked Mr. Amaya what he sees the biggest challenge as organizationally. Mr. Amaya said he likes to spend time evaluating what might be missing before he can decide what to do, but he is focused on implementing new technologies that serve the Utility's staff and customers.

Vice Chairperson Becker said the Utility has many systems in place, but the Utility's challenge is turning that into value, even though the pieces are there. Mr. Amaya said every day we are adding more electrification pressures to the grid, but the challenge will be setting the financial and infrastructure forecast, but all we know is what we know today, so that will be a challenge and an opportunity.

REVIEW 2023 PLANNING CALENDAR

Board members reviewed their draft 2023 Planning Calendar. Returning Board members and staff explained basic meeting structure to the Board's new members and indicated that the planning calendar is always evolving based on the Board's interests and staff's deadlines.

NEW BOARD MEMBER INTRODUCTIONS

Board members went around the room and briefly shared their backgrounds and expertise, as well as why they joined the Energy Board.

APPROVE 2022 ANNUAL REPORT

(attachments available upon request)

Board member Moore moved to approve the Energy Board's 2022 Annual Report as presented. Board member Giovando seconded the motion.

Discussion:

None.

Vote on the motion: It passed unanimously, 9-0

OFFICER ELECTIONS

(attachments available upon request)

Chairperson Tenbrink nominated Board member Becker as the 2023 Vice Chairperson.

Vice Chairperson Becker nominated Chairperson Tenbrink as the 2023 Chairperson.

Nominees for the Chair and Vice Chairperson roles consented. There are no further nominations. Nominations are now closed.

Board member Braslau moved to select Board member Tenbrink as the 2023 Chairperson and Board member Becker as the 2023 Vice Chairperson. Board member Moore seconded the motion.

Discussion:

None.

MINUTES

CITY OF FORT COLLINS • BOARDS AND COMMISSIONS



ENERGY BOARD

REGULAR MEETING

Vote on the motion: It passed unanimously, 9-0.

BOARD MEMBER REPORTS

Board member Moore has been part of a leadership program, “Living in the Gap”, founded and hosted by Dr. Eric Holsapple. She said she is learning so much about remaining present, mindful, and focused, and she feels like it is improving her productivity.

Board member Loran said the Tesla Powerwall software was recently changed so he’s now able to charge the Powerwall during low peak hours, and this will eventually have an impact on the distribution curve.

Board member Braslau said his daughter lives here and he has been trying to help her family make efficiency upgrades where they are able. He noted that affordability for many of these changes is not within range for many people, and it is likely much harder than the board may realize. Board member Smith added that there are new payback models that are working in other states, upgrades are paid back as users save, so there is no net difference in monthly cost.

Board member Paul noted that the biggest hurdle to sustainability is convenience and asked the Board and staff to consider how we can encourage convenience for all users.

Board member Althouse has a nonprofit and he started working with Chamber of Commerce to help members deploy distributed resources; he will help them procure all tax credits and rebates.

FUTURE AGENDA REVIEW

No additional discussion.

ADJOURNMENT

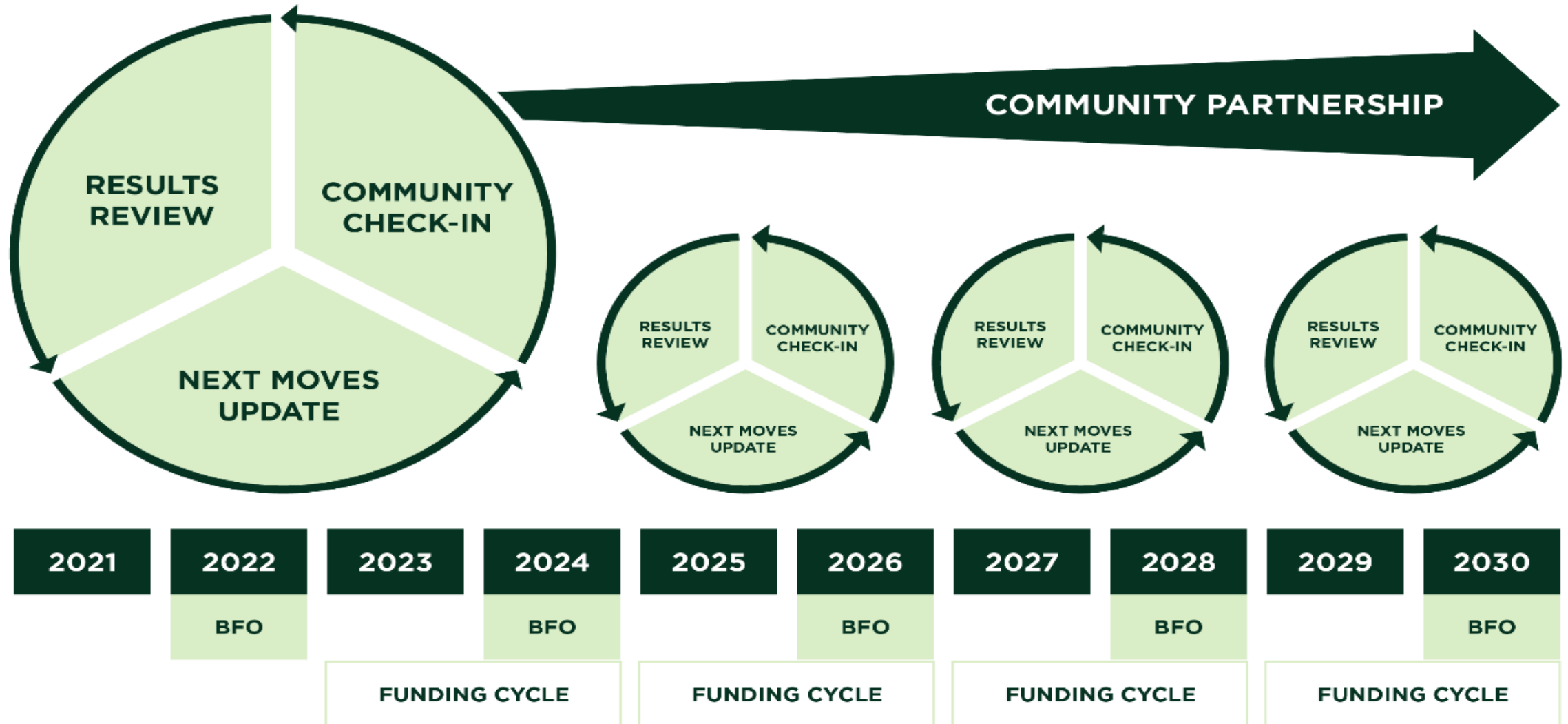
The Energy Board adjourned at 7:25 pm.



2023 Our Climate Future Next Moves Plan

Brian Tholl

TWO-YEAR CALIBRATION AND REVIEW CYCLE



City-led

- Council’s current work and priorities advance Our Climate Future
 - infrastructure & policy (e.g., bike lanes, building codes, land use, etc.)
- Partnerships
- State and Federal legislation
- Leadership at every level



Co-led



- Many existing community partnerships, e.g., Larimer County Conservation Corps, Bike Fort Collins
- 2023-2024 Budget
 - 32.9 Disposable Bag Implementation
 - 32.16 Sustainable Business Program
 - 32.17 Increasing Community Leadership for OCF
 - Many examples from ongoing offers

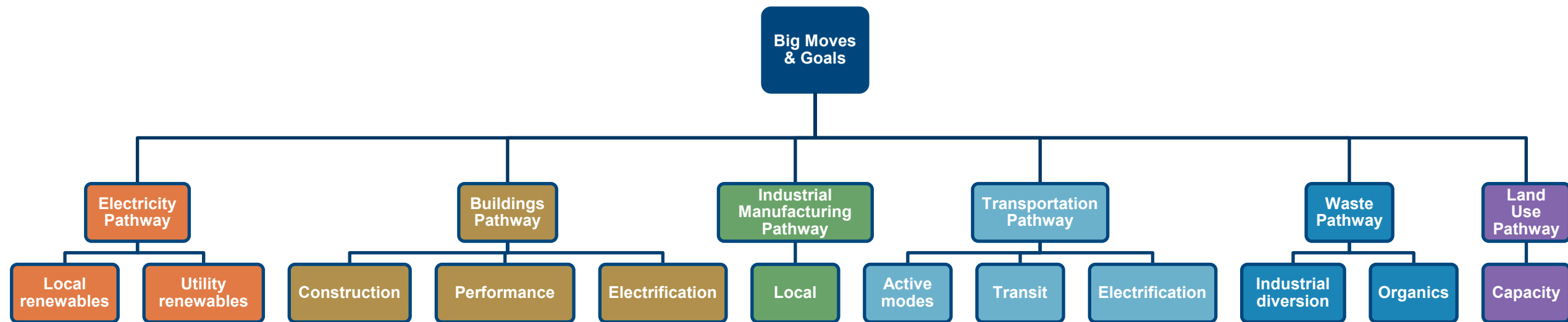
Community-led

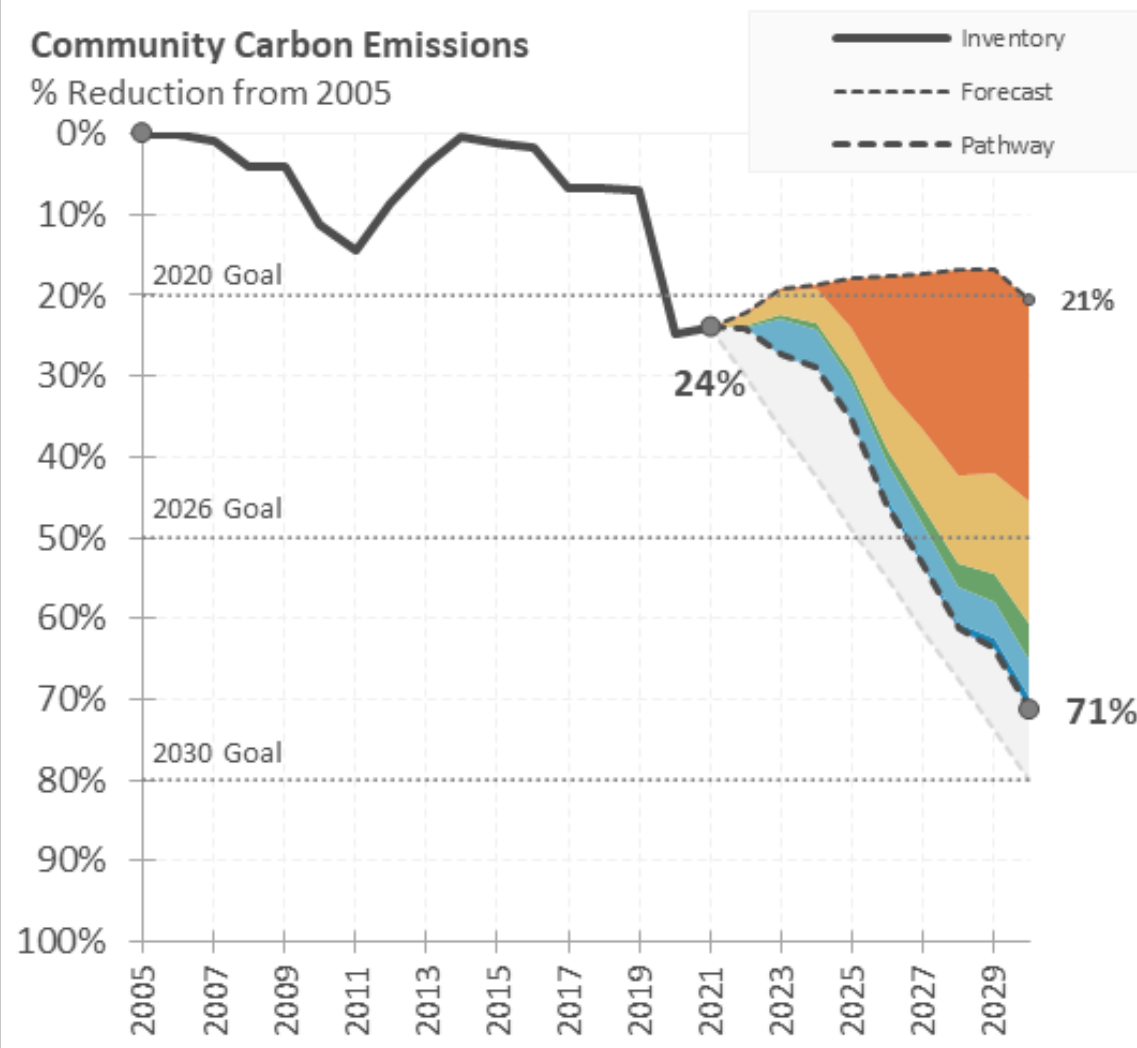
- Many businesses, organizations and community members in Fort Collins leading the way
- 10 businesses certified as B Corps
- Glass Recycling Coalition co-founded by New Belgium
- Poudre Food Partnership



Based on Next Moves (active or pending)

- Grouped by sector strategy
- Quantifiable reductions for GHG and/or waste between now and 2030
- Defined implementation mechanisms and City roles





Pathways

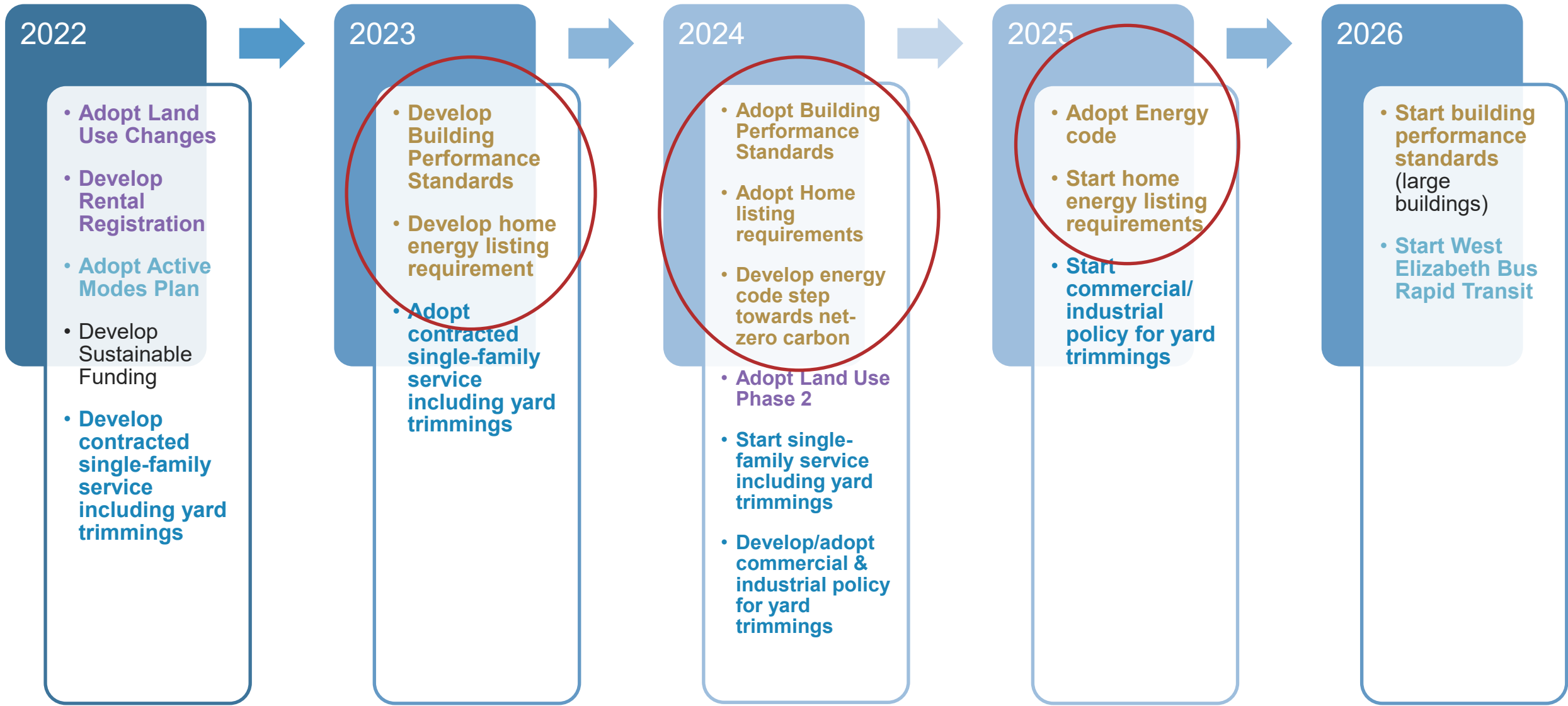
2030

Electricity	25.0%
Buildings	15.1%
Transportation	4.6%
Industry	4.5%
Waste	1.7%
Land Use	0.1%
Undetermined to Goal	9%

Last ~10% requires additional community leadership action

Pathway Summary Table

Pathway	Next Move	Implementation Mechanism	City's Role in Implementation	Leadership Type	Progress Status	Community Emissions Avoided in 2030 (MTCO2e)
Buildings						350,796
Construction	0043: Develop and Implement an energy performance path for new construction to zero carbon building by 2030	Regulatory	Direct	City-led	On Track	7,889
Electrification	0045: Continue to provide and expand on programs for electrification of space and water heating	Economic	Incentivize	City-led	On Track	6,471
Performance	0044: Continue to provide and expand home and business efficiency programs	Economic	Incentivize	City-led	On Track	237,531
	0077: Add performance standards to Building Energy and Water Scoring program	Regulatory	Direct	City-led	On Track	81,752
	0088: Implement residential Home Energy Score point of listing requirement	Regulatory	Direct	Undetermined	On Track	4,017
	0091: Implement a rental licensing or registry with minimum standards for health, safety, stability, and efficiency	Regulatory	Direct	City-led	At Risk	13,136
Electricity						579,944
Local Renewables	0015: Continue to implement and expand distributed solar programs	Economic	Incentivize	City-led	On Track	34,476
Utility Renewables	0012: Add utility-scale renewables to increase non-carbon generation	Infrastructure	Influence	Co-led	On Track	545,468
Land Use						1,256
Capacity	0040: Evaluate and implement land use opportunities that encourage "15 minute neighborhoods"	Planning	Direct	City-led	On Track	1,256
Transportation						106,237
Active Modes	0035: Continue to build bicycle facilities as identified in the Bicycle Master Plan	Infrastructure	Direct	City-led	On Track	38,146
	0468: Implement a Transportation Demand Management (TDM) program	Infrastructure	Influence	Co-led	On Track	2,576
Electrification	0019: Transition to emissions-free public transit	Infrastructure	Direct	City-led	On Track	1,481
	0020: Support market driven adoption of electric cars	Infrastructure	Inform	City-led	On Track	58,761
Transit	0037: Expand local public transit coverage and frequency	Infrastructure	Direct	City-led	On Track	5,273



Big Move 6: Efficient, Emissions Free Buildings

- Enhance ongoing Efficiency and Conservation programs
- Develop building performance standards (BPS)
- Develop Performance Path to Zero Carbon building code
- Re-launch Epic Homes with heat pump / electrification focus
- Plan and implement mobile home efficiency demonstration
- Sustainable business program RFP and relaunch
- Federal funding deployment strategies

Big Move 12: 100% Renewable Energy and Grid Flexibility

- Enhance ongoing solar, storage, grid flexibility programs
 - Distributed Energy Resources Management system (DERMs) RFP
 - IEEE 2030.5 implementation and associated program planning
- DER Planning and Programs with Platte River and other cities

Big Move 13: Electric Cars and Fleets

- Launch EV demonstration with Rolling Energy Resources (RER)
- Further define and develop Utilities EV policies



City of
Fort Collins

Discussion