

Council Priority Update: Reduce Climate and Air Pollution Through Best Practices, Emphasizing Electrification

Honore Depew

Climate Program Manager

Brian Tholl

Energy Services Director





Council Priority

Reduce Climate and Air Pollution Through Best Practices, Emphasizing Electrification



Our Climate Future

80% greenhouse gas emissions reduction by 2030

100% renewable electricity



City Plan

Principle ENV 2: Become a carbon neutral community by 2050 and improve the community's resilience to prepare for and adapt to the impacts of climate change.



Strategic Plan

Environmental Health 1: Implement the Our Climate Future Plan to advance the City's greenhouse gas, energy and waste goals; reduce air pollution; and improve community resilience.

1. What questions do Councilmembers have about the elements underway in this Council Priority?
2. Does the OCF approach align with Councilmember expectations for this priority area?



1) OCF Context

2) Current Efforts

3) Building to the Future



Our Climate Future Context

Our Climate Future – Big Moves

BETTER TOGETHER

- Shared Leadership and Community Partnership
- Zero Waste Neighborhoods
- Climate Resilient Community

LIVE BETTER

- Convenient Transportation Choices
- Live, Work, and Play Nearby
- Efficient, Emissions Free Buildings
- Healthy Affordable Housing
- Local, Affordable and Healthy Food

RESOURCE BETTER

- Healthy Local Economy and Jobs
- Zero Waste Economy

BREATHE BETTER

- Healthy Natural Spaces
- 100% Renewable Electricity
- Electric Cars and Fleets

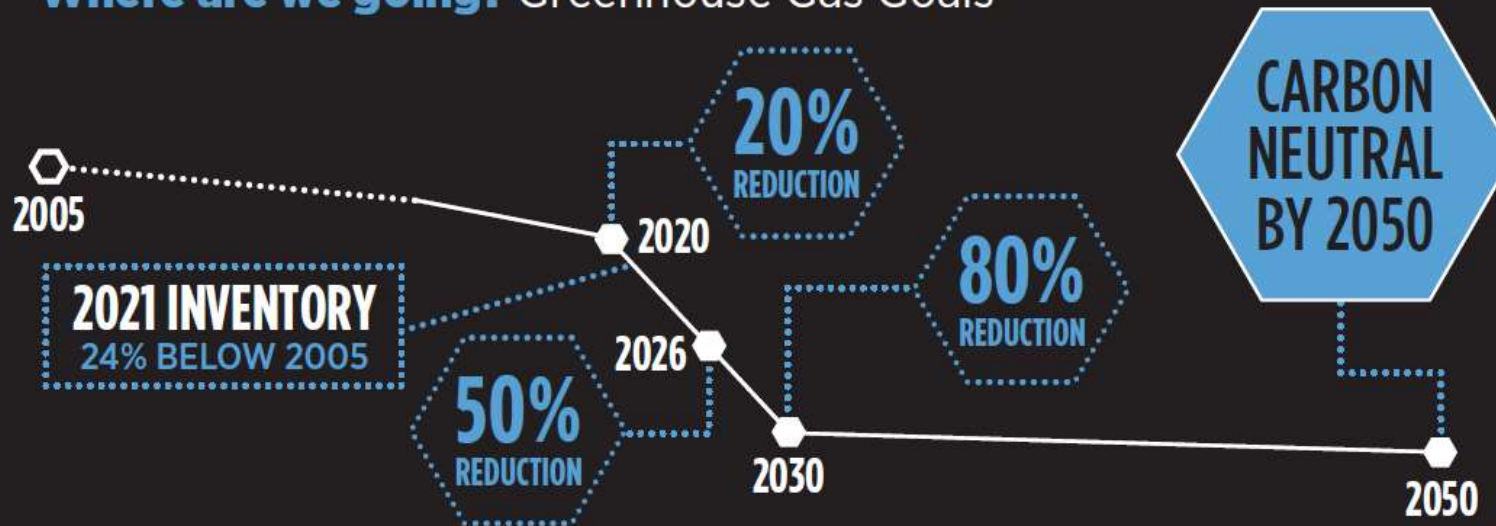
Equity – Resilience – Mitigation

Community-wide OCF Goals

- Greenhouse Gas Emissions Reduction
 - 50% below 2005 baseline by 2026
 - 80% below 2005 baseline by 2030
 - Carbon Neutral by 2050
- 100% renewable electricity by 2030
- Zero waste, or 100% landfill diversion, by 2030



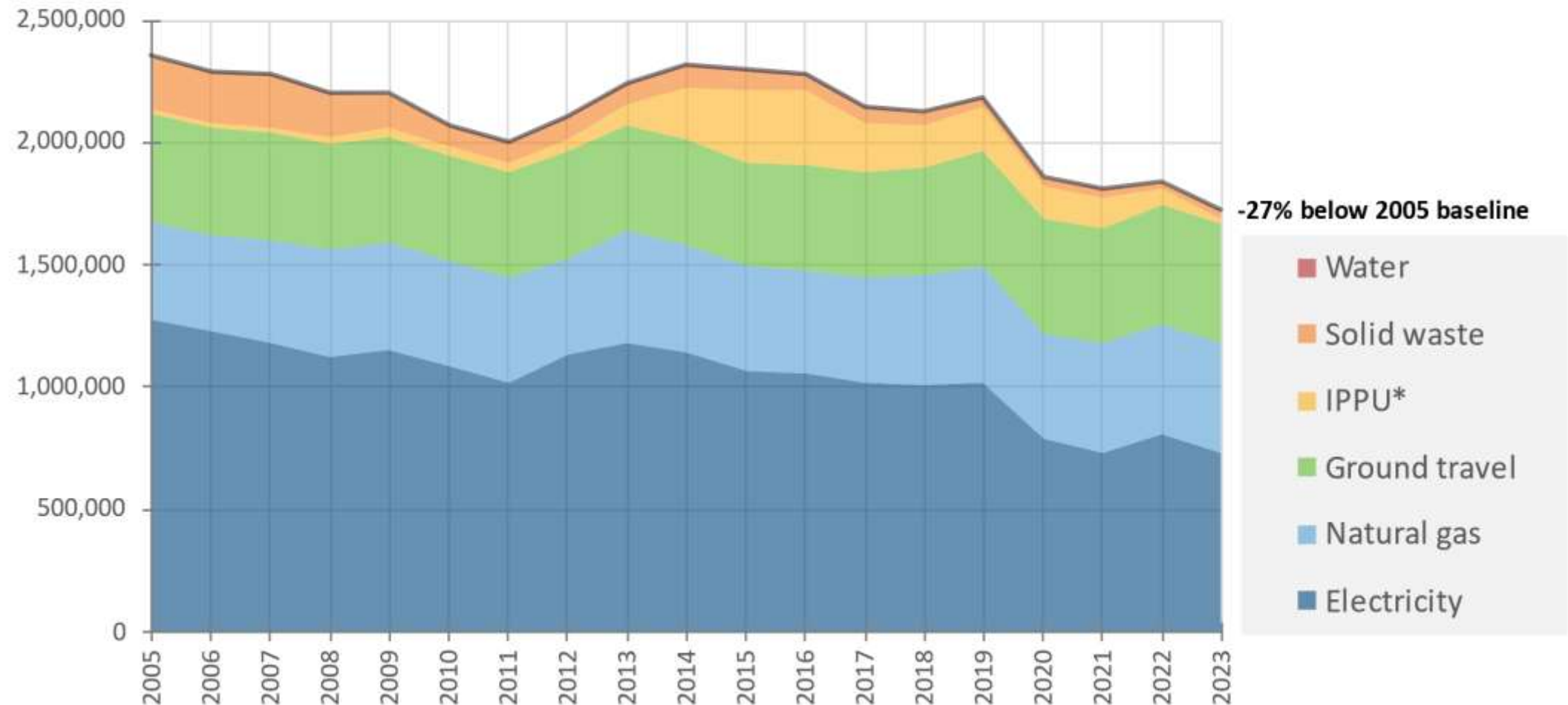
Where are we going? Greenhouse Gas Goals



Community Greenhouse Gas (GHG) Inventory

Community GHG Emissions

Annual MTCO₂e

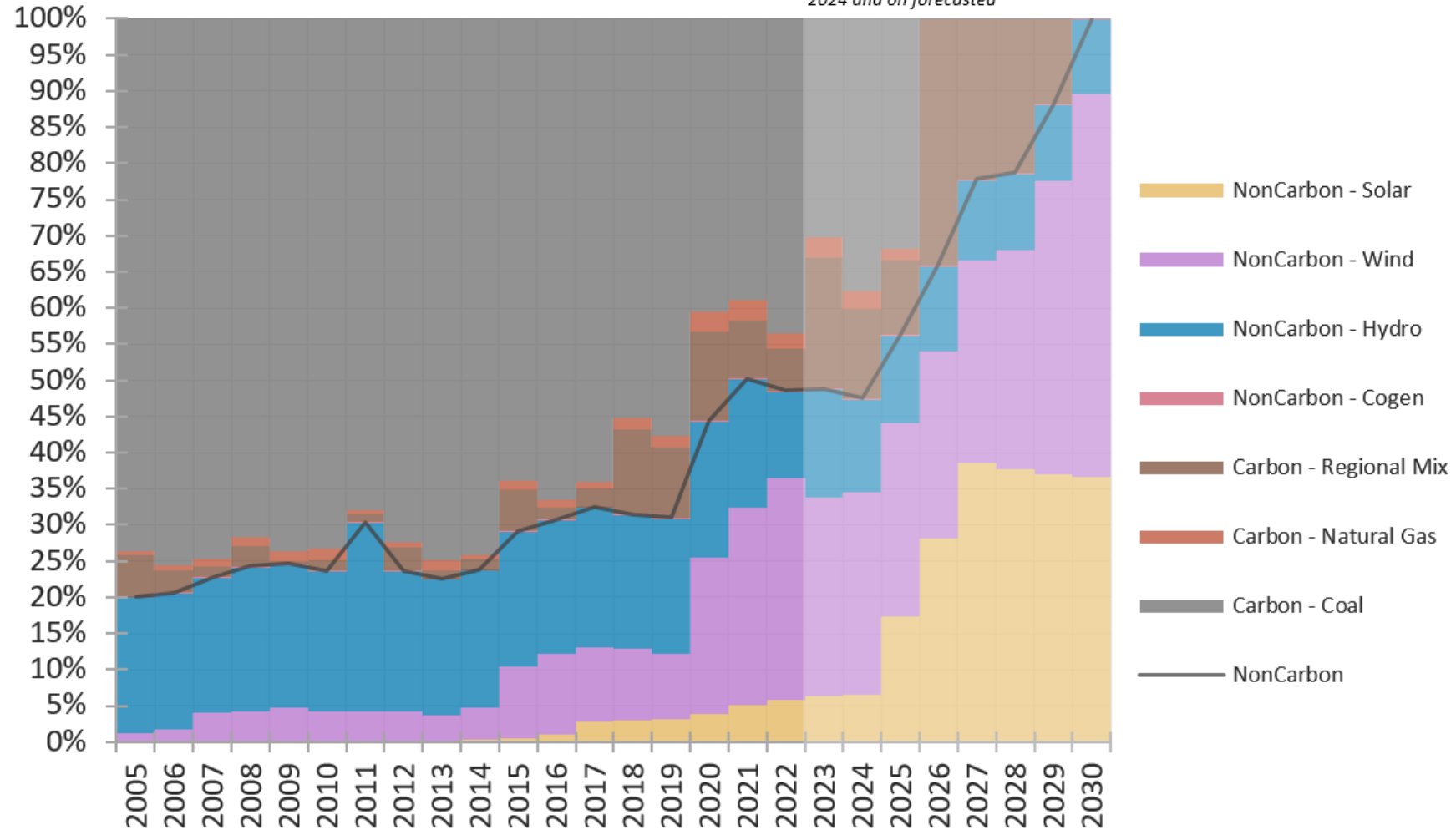


*IPPU: Industrial Process and Product Use – non-energy emissions that are used as an input or created as a byproduct from industrial activities

Pathways to Progress (2030 OCF Renewable Electricity Goal)

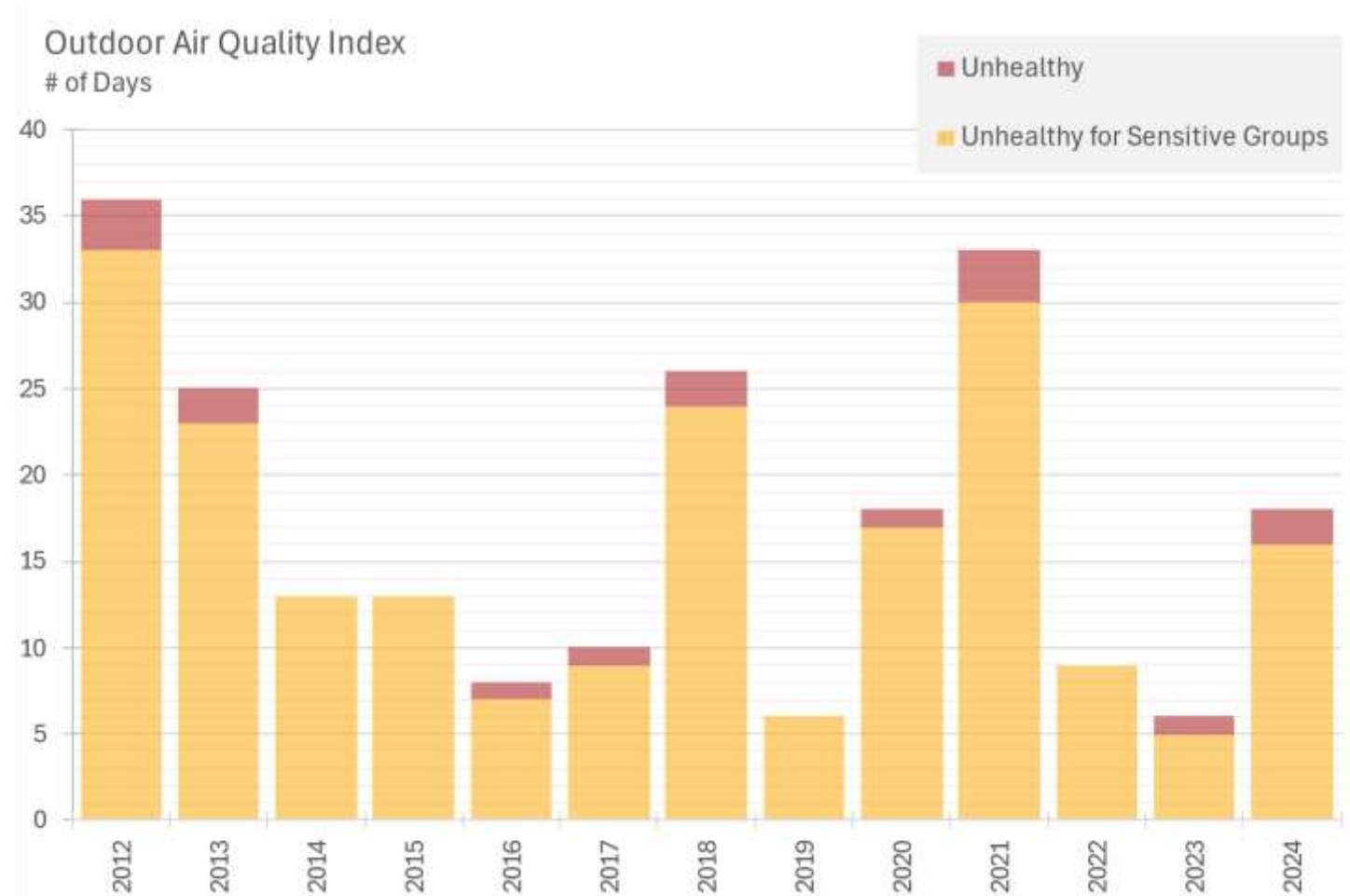
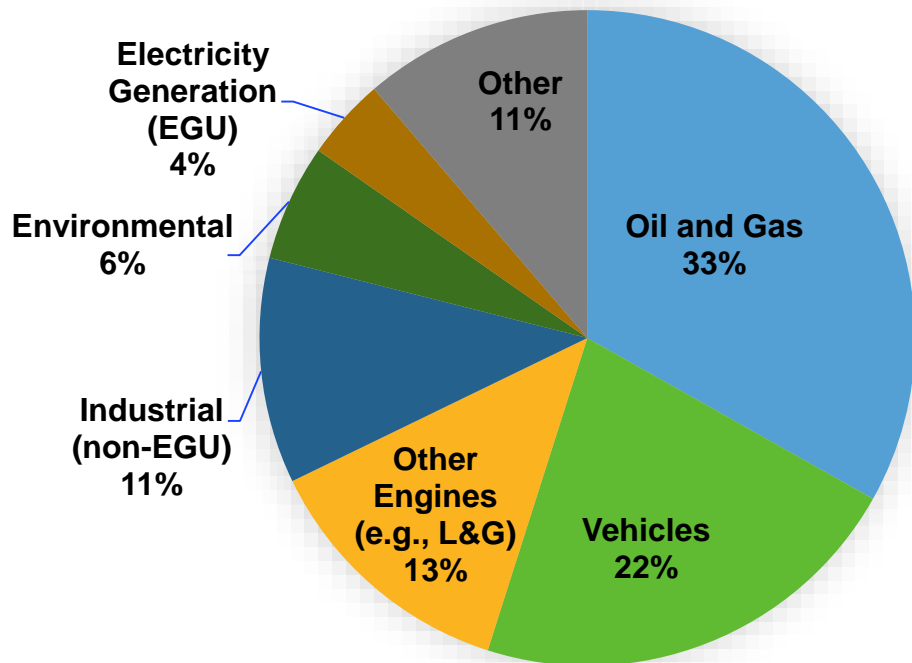
Community Electricity Consumption by Resource

Percent of Total Consumption



Drivers of poor air quality:

- Environmental sources (e.g., wildfires)
- Regional sources (e.g., oil & gas extraction, transportation)
- Local sources (e.g., transportation, industry, small engines)
- Indoor sources (e.g., cleaning products)



AQ Index: Monitor ozone (O₃) and particulate matter (PM_{2.5}), plus special studies for Hazardous Air Pollutants (HAPS, such as benzene)

\$4M funded 16 projects
across 8 OCF Big Moves

Focus on **transportation, buildings and electricity**
(primary contributors to air & climate pollution)
and improving community
resilience, safety and accessibility

Leading by Example:
City efficiency,
renewables and
electrification

- **75** direct home upgrades and **31** loans for residential energy efficiency, comfort and safety
- **60** residential indoor air quality assessments
- **27** sustainability workforce scholarships
- **16** grants to local food service businesses to reduce single-use plastics
- **7** electric utility carts to replace gas carts
- **3** major Active Modes infrastructure improvements for safety, connectivity and accessibility
- **3** comprehensive lighting upgrades to community centers
- Support for **140** affordable homes to go above-and-beyond code for sustainability
- Repair of community solar project, supporting **500 kW** of local solar generation



Current Efforts



Areas of Influence

- Economic Drivers
- Regulations & Policy
- Infrastructure Investments
- Behavior Change (Education)

The City of Fort Collins has four key tools to drive community progress to electrification and decarbonization.

A balanced and strategic approach supports:

- Customer service
- Achievement of goals
- Triple-bottom line benefits

Council Priority:

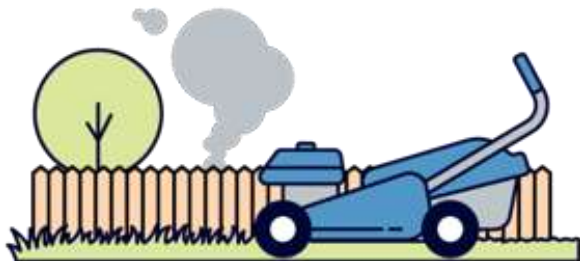
Reduce Climate and Air Pollution Through Best Practices, Emphasizing Electrification



Electrification of Buildings



Electrification of Transportation/Fleet Vehicles



Electrification of Small Engine Equipment

Current Building Efforts



Economic & Behavioral

Enhance incentive and educational initiatives for efficiency, electrification and grid Flexibility efforts

- \$4.4M incentive based programs framework in '24

Evaluate rates and fees framework to eliminate barriers

- Time of Day Utility rates and electric capacity fee evaluation

Regulation & Policy

Development of Building Performance Standards framework

- Pilot underway supporting policy development

Zero carbon building code framework, new construction

- 2025 work session and/or adoption

Infrastructure Investments

Investments in Virtual Power Plant (VPP) efforts

- \$ Incentive based programs framework
- Operational technology enhancements

Distribution planning enhancements

- Support electrification through asset management

Current Transportation/Fleet Efforts



Economic & Behavioral

Supporting community education and awareness on electric transportation options

- Supporting alternative electric transportation options
- EV ownership and charging availability
- EV Readiness Roadmap Update to be published soon

Regulation & Policy

Evaluation of EV infrastructure in Building code

- Optimize EV infrastructure requirements in new development

Infrastructure Investments

Electrification of fleet vehicles

- 74 out of 989 Vehicles are EV or Hybrid
- SMART Grant implementation

Electrification of Transit Vehicles

- 6 Electric Buses in Service
- 5 Additional expected delivery by Early 2026

Current Small Engine Equipment Efforts



Economic & Behavioral

Promoting clean air benefits within municipal operations

- Regional rebates for electric lawn and garden equipment

Regulation & Policy

Compliance with CDPHE Regulation 29

- Municipal operations on track for compliance, Summer 2025
- Electrification underway for all relevant departments

Infrastructure Investments

Electrification of gas-powered landscape equipment

- Natural Areas: 80%
- Parks: 91%
- Other Departments actively converting and cataloguing

Electrification of Utility task vehicles

- 7 utility carts replaced
- 2050 Tax supported



Building Electrification

- Continue incentive development using enterprise and 2050 Tax
- Implement 2028 and 2031 Building Energy code implementation

Lead by Example:

- Continue to seek grant funds for municipal operations

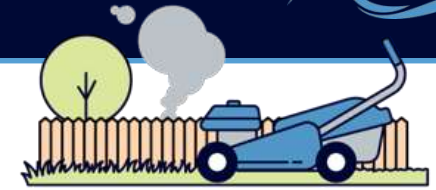


Transportation/Fleet

- Publish and begin implementation for EV Readiness Roadmap
- Revisit LUC/building code requirements for EV infrastructure; evaluate alignment with State

Lead by Example:

- Implement and operationalize SMART grant



Small Engines

- Continued Engagement with relevant City Departments to prepare for compliance

Lead by Example:

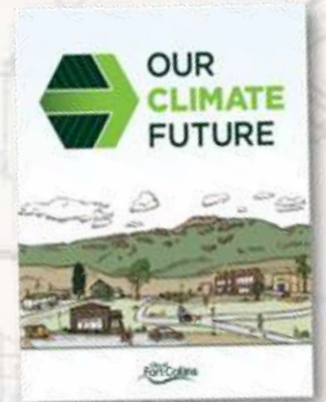
- Compliance with Regulation 29



Building to the Future

Our Climate Future Strategic Alignment

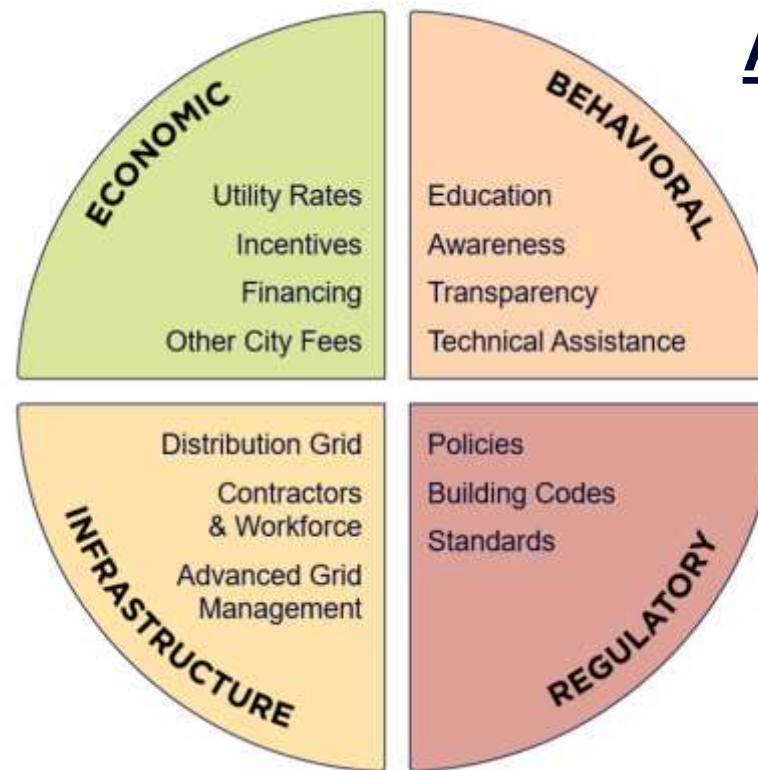
Strategic Objective ENV 1: Implement the Our Climate Future Plan to advance the City's greenhouse gas, energy and waste goals; reduce air pollution; and improve community resilience.



*How do we achieve **medium- and long-term goals** for our community when commitments to **transformational change** can be **in tension with near-term priorities and resource constraints** of two-/four-year budget and election cycles?*

Our Climate Future as Strategic Framework:

Goals, Vision & Implementation



Areas of Influence

- Economic Drivers
- Regulations & Policy
- Infrastructure Investments
- Behavior Change (Education)

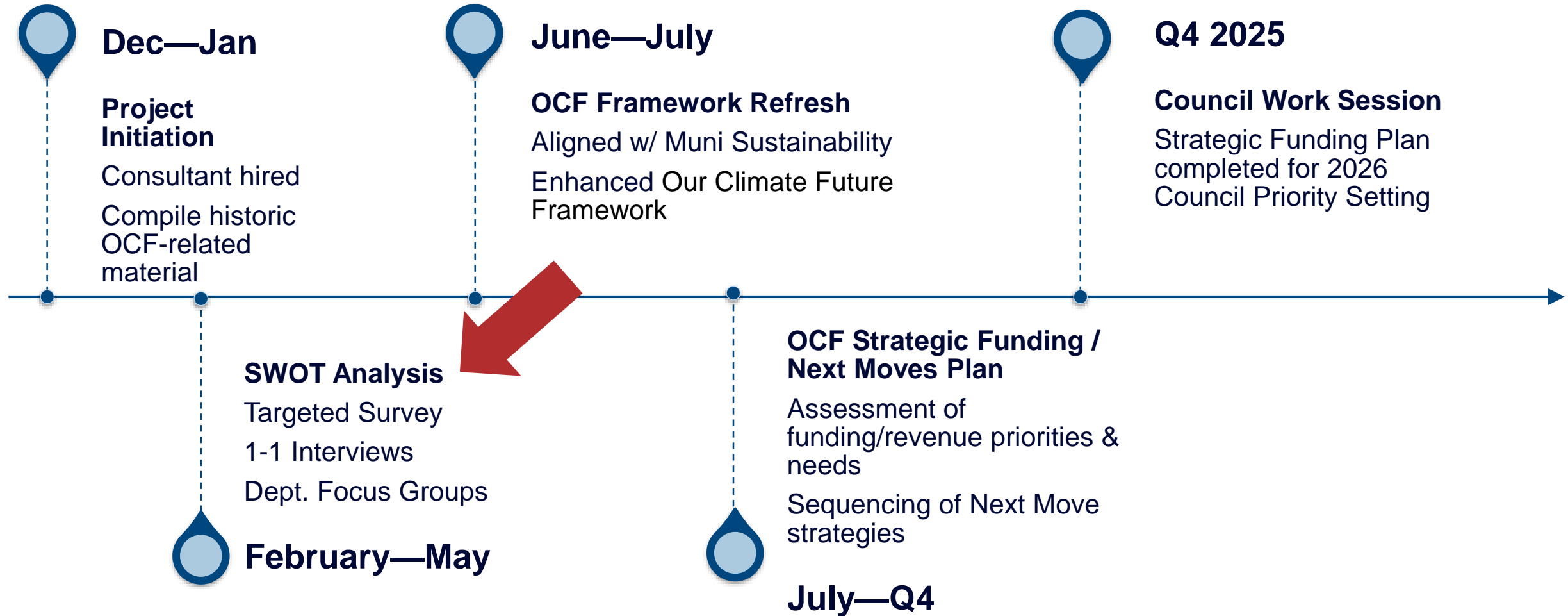
Process

- Gaps assessment to better understand organizational needs; peer city research
- Assessment of current revenue streams, funding priorities, and sequencing

Outcomes

- Enhanced Our Climate Future Framework
 - More **effective and inclusive** of the City's sustainability efforts (e.g., air quality)
 - Aligned & integrated with **municipal sustainability & adaptation** efforts
 - Coordinated planning, implementation, and storytelling
- Strategic Funding Plan
 - Strategy and guidance document with 25-year time horizon (to 2050)
 - High-level vision and **guidance in the med/long term**
 - Clarity and focus for **implementation strategy in the near term**

OCF Strategic Refresh & Funding Plan: Project Timeline



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