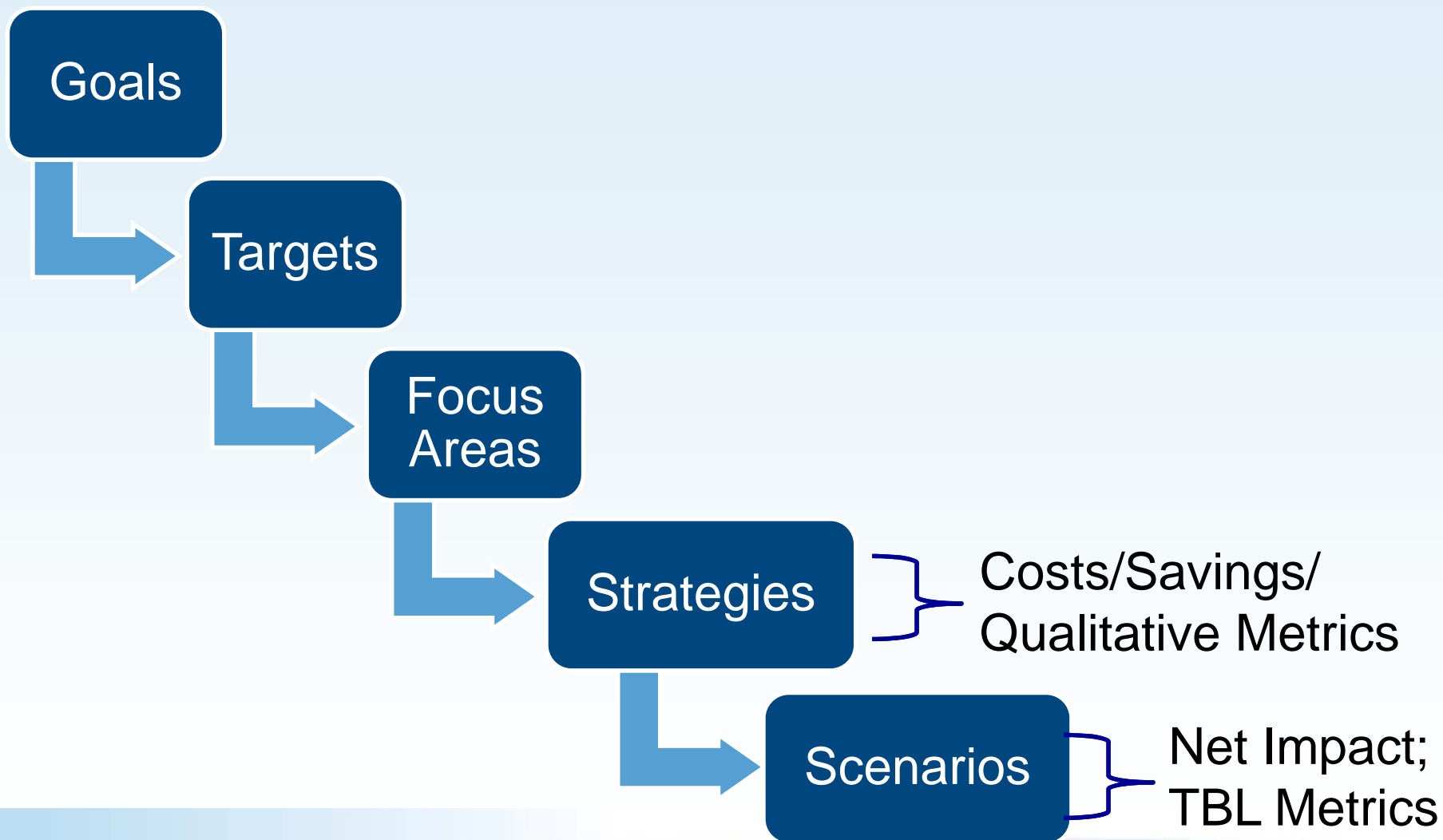


# Fort Collins Climate Action Plan Update



**Citizen Advisory Committee meeting  
August 27, 2014**

# CAP Analysis Framework



# Looping Approach - General

**Looping Approach** – will introduce/preview the upcoming topic in the current meeting

**Topic 1:** Guiding Principles, Framework & Organization, Schedule, Baseline & Forecast, Key Assumptions

**Topic 2:** Metrics, Strategy Characterization

**Topic 3:** Strategy List

**Topic 4:** Narrative Concepts, Metrics Targets

**Topic 5:** Wedge Analysis, Scenario Outlines & Definitions

**Topic 6:** Scenario Analysis, TBL Analysis

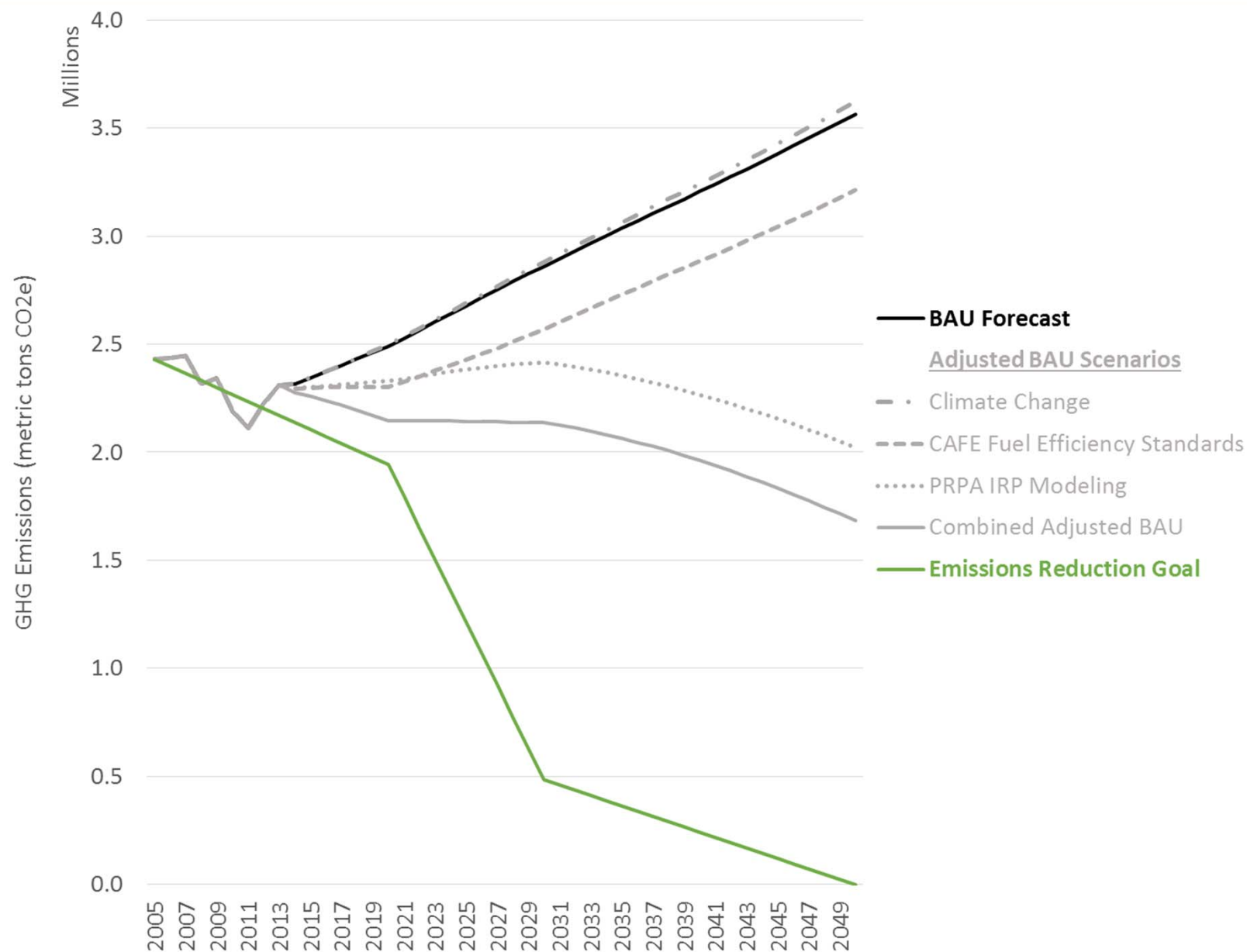
**Topic 7:** Review draft plan

**Topic 8:** Final recommendations on draft plan

# CAC Schedule (subject to change)

Topic	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Guiding Principles	CAC	CAC	CAC						
Framework		CAC							
Baseline and Forecast		CAC							
Metrics	CAC		CAC	CAC					
Strategy Characterization/List		CAC	CAC						
Narrative Concepts			CAC						
Tactics			CAC	CAC					
Strategy /Wedge Analysis			CAC	CAC	CAC				
Scenario Outlines				CAC	CAC				
Scenario Analysis/TBL Analysis						CAC			
Preferred scenario(s)						CAC	CAC		
Draft plan recommendation								CAC	
Council Advisory Boards input									
Public Input						X		X	
Council		WS			WS		WS		Feb 17 tentative

# Adjusted BAU Forecast



# Preview Analytical Tool

- Translated wireframe into tool framework
- Next step is to populate with draft strategies and preliminary assumptions
- Analysis at the strategy level, informed by identified tactics
- Strategies 'tagged' based on focus area(s) and emission source(s) addressed as well as players involved
- Strategies packaged into scenarios by 'dialing' assumptions – scenario results exported to allow for easy comparison
- Metrics developed at the strategy and scenario level
- Goals and targets inform contribution of sources and sectors

# GHG Reduction Strategy Discussion

- 19 Strategies – ‘**working list**’, through analysis/iterations strategies may be refined and reorganized
- 4 Overarching Approaches
  - Curb Emissions Growth
  - Reduce Energy Use and Waste
  - Switch to Lower Carbon Fuels
  - Cross-Cutting & Integration

# Metrics Approach

- Quantitative Analysis at Strategy Level
  - Emissions Reduction
  - Cost/Benefit Analysis
  - Who Pays and Who Saves (End User, City, Utility, External)
- Semi-quantitative Analysis at Scenario Level
  - Sustainability Assessment of each Scenario
  - Economic and Social Impact Summary of Preferred Scenario
    - Job Creation Potential (potential economic metric)
    - Housing & Transportation Affordability (potential social metric)

\*\* Scenarios will also include an aggregation of the strategy quantitative analysis and an evaluation of financing strategies that may apply across a package of strategies



# Targets Discussion

- Preliminary Targets – 80x30 for each emission sector

## Required Reductions by Sector by Decade from BAU Forecast (MT CO<sub>2</sub>e)

Sector	2020	2030	2040	2050
Electricity	330,000	1,300,000	1,600,000	2,000,000
Natural Gas	120,000	380,000	460,000	540,000
Ground Travel	150,000	540,000	660,000	790,000
Air Travel	30,000	100,000	120,000	150,000
Solid Waste	(80,000)	50,000	80,000	110,000
<b>TOTAL</b>	<b>550,000</b>	<b>2,370,000</b>	<b>2,920,000</b>	<b>3,590,000</b>