

South Burlington Climate Action Plan Transportation Sector Implementation Plan

Advisory Group Meeting #1
January 19th, 2023



Meeting Agenda

1. Welcome and Introductions (20 minutes)
 - Discussion of Perspectives
2. Climate Action Plan Process and Timeline (10 minutes)
3. Overview of Principal Climate Action Plan (10 minutes)
4. Overview of Transportation Sector Implementation Targets and Work Plan (15 minutes)
 - Community Engagement and Focus Groups
5. Role of the Advisory Group (20 minutes)
 - Member Questions and Answers
6. Taking Stock of Relevant Plans and Policies (20 minutes)
7. Next Steps (10 minutes)
8. Open Discussion (15 minutes)



Welcome & Introductions












Welcome and Introductions

- Project Leads: City Public Works and City Planning & Zoning
- Project Support: Chittenden County RPC
- Transportation and Sustainability Expert: VHB



Introduce Yourself, Your Organization, and Your Organization's Mission

LOCAL POLICY	TECHNICAL	EDUCATIONAL	ADVOCACY
 <ul style="list-style-type: none"> • Planning Commission • Energy Committee • Bike/Ped Committee • Economic Development Committee 	   	 	 

Climate Action Plan Process and Timeline

2021

- City Council Climate Change Resolution (Reaffirms 2017 Resolution)
- Climate Action Plan Task Force Charter | August 17th
- Climate Action Plan Task Force Meeting | November 29th

2022

- Climate Action Plan Task Force Met **16** times throughout CY 2022
- 1st Draft | July 15th
- 2nd Draft | August 26th
- 3rd Draft | September 6th
- Draft approved by the Climate Action Task Force and submitted to City Council | September 8th
- Implementation Plans and Advisory Group Structure Presented to City Council | September 19th
- **SB Climate Action Plan Adopted | October 3rd**

2023

- Climate Action Plan Transportation Sector Implementation Plan Underway



Overview of Principal Climate Action Plan

- South Burlington's Climate Action Plan provides an inventory of the City's greenhouse gas (GHG) emissions and a framework for reducing them, as well as preparing for/adapting to the potential impacts of climate change.
- It includes an **inventory of existing emissions, reduction goals or targets, and prioritized reduction actions.**

Equity in Addressing Climate Change

Climate Action by Sector

- Buildings and Thermal
- Transportation
- Renewable Energy Generation
- Natural Area, Adaptation, and Resilience
- Government Operations
- Other

GHG Emissions Modeling

- 2019 GHG Emissions Inventory
- 2030 Business-As-Usual Forecast
- 2030 Science Based Target Scenario

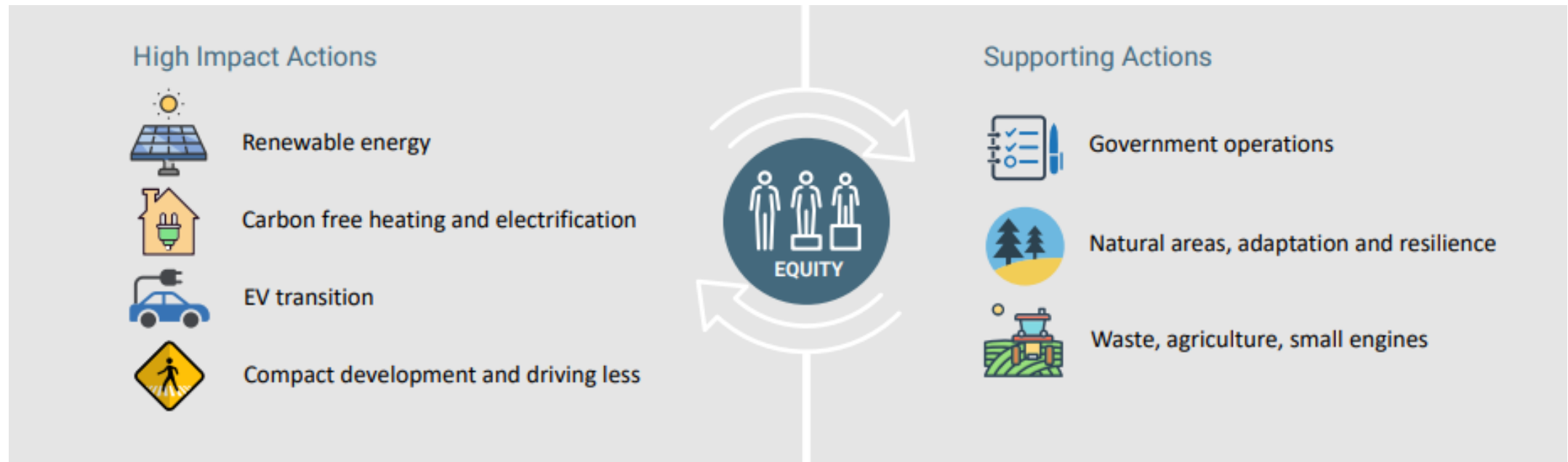
Community Profile

Annual Tracking and Monitoring

Implementation of Actions

High Impact and Supporting Actions

The CAP identified high impact actions to significantly reduce South Burlington's share of Vermont's GHG emissions (in line with the Paris International Treaty on Climate Change and Vermont's Global Warming Solutions Act).



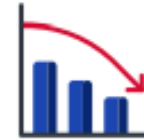
Transportation Sector Targets and Work Plan

- Transportation accounts for about **65%** of South Burlington's GHG emissions
 - Transportation accounts for about **40%** of Vermont's GHG emissions*
- Principal CAP set 2030 targets for reducing transportation emissions to meet the City's reduction goals
- The Transportation Implementation Plan will develop a roadmap to achieve the targets principally through identified high impact and cost-effective actions

2030 Targets



Replace **75%** of gas vehicles with all electric vehicles (EVs) and plug-in hybrid vehicles to reduce emissions by **42%**



Reduce vehicle miles traveled by **2.5%** annually to reduce emissions by **19%**



Plan for compact high-density (greater than 12.5 dwelling units per acre) new housing development to reduce emissions by **4%**

* Source: <https://climatechange.vermont.gov/vermont-today>

Transportation Implementation Work Plan

- **Task 1 – Project Meetings**
 - Up to Four Transportation Implementation Plan Advisory Group Meetings
- **Task 2 – Document Review**
 - Review Past Documentation and Current Plans
- **Task 3 – Draft Climate Mitigation Actions**
 - Refine Actions Related to CAP Targets and Expand List Based on Best Practices
 - Provide Guidance on Density and Dimensional Standards Related to the Target of Emission Reduction through Compact Housing Development



Transportation Implementation Work Plan (continued)

- **Task 4 – Community Engagement and Impacted Community Outreach**
 - Two Focus Group Meetings with Impacted Communities (e.g., Low-income Populations, Communities of Color)
 - Senior Community, Service And Hospitality Industry, Investigating Other Groups
 - Administer an Online Community-wide Survey to Obtain Broader Public Feedback
 - A Presentation to the City Council and One Public Meeting to Obtain Feedback on the CAP Actions and their Implementation Considerations
- **Task 5 – Implementation Plan**
 - Implementation Steps and Considerations, along with Case Studies, Example Ordinances, and Density and Dimensional Standards



Transportation Implementation Plan Schedule

Task	Nov 2022	Dec 2022	Jan 2023	Feb 2023	March 2023	April 2023	May 2023	June 2023
Task 1	V		W		W		W	
Task 2								
Task 3								
Task 4				X	X		Y	Z
Task 5								

V – Project Kick-Off, W – Advisory Group Meeting, X – Focus Group Meeting, Y – Public Meeting, Z – City Council



Survey Topics

The survey will ask how each high-level transportation action will impact residents and how negative impacts can be mitigated.

This draft flyer will be further designed.

See draft survey here:

[South Burlington Climate Action Plan: Transportation Implementation \(office.com\)](https://southburlingtonclimateactionplan.com/transportation-implementation)



Transportation Implementation Plan Community Survey

How do you think we should meet our 2030 goals?

We want to hear from you!



Goal #1:
More Electric Vehicles



Goal #2:
More trips by walking, biking, transit



Goal #3:
Compact Development

QR
Code

**Scan here to
take the
survey!**

Contact Erica Quallen with any questions at equallen@southburlingtonvt.gov



Role of Advisory Group

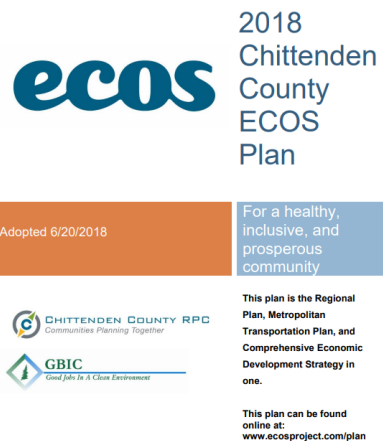
- Selected by the City Manager to provide a cross-section of expertise to provide feedback at key points throughout the preparation of the Implementation Plan
- Serves as advisors to the City Manager, City Council, and City Staff, by providing input on existing initiatives, lessons learned, and other feedback concerning the implementation of identified actions from a range of representative perspectives
- The group will meet up to four times virtually between January and July of 2023

Q+A's 



Relevant Plans and Policies

- The Project Team reviewed **over 40** relevant local and regional documents to inform the Climate Action Plan's strategies and promote planning alignment within South Burlington and across jurisdictions.



SB Pedestrian & Bicycle Feasibility Study

Williston Road Transportation Study Phase II

Dorset Street Signal Optimization

CCRPC Active Transportation Plan

I-89 Exit 14 Alternative Transportation Crossing Study

Exit 14 Signal Systems Assessment Study

CCRPC ECOS Plan

SB City Fleet Vehicle Efficiency Research

Concepts for Crossings on Williston Road & Kennedy Drive

Net Zero Energy Road Map

CCRPC Shared Mobility Regional Analysis

VT 116/ Kimball Ave/ Tilley Drive Area Land Use & Transportation Plan

City Center Parking and Movement Plan

SB Land Development Regulations

FY 2020-2029 Capital Improvement Program

SB Multi-Site Pedestrian Crossing/ Bicycle Access Scoping

Swift & Spear Intersection Feasibility Study

Guiding Principles for a Just Transition

Green Mountain Power Annual Energy Mix

Potash Brook Path Crossing Feasibility Study

Queen City Park- Austin Drive Bicycle Pedestrian Connections Scoping Study

I-89 2050 Study

CCRPC MTP Plan Update

CCRPC Park & Ride Plan

Greenlining Shared Electric Mobility UPWP 22 Final Report

VT EVSE Deployment Plan

VT Residential Building Energy Standards

Right To Charge

2016 South Burlington Comprehensive Plan

Next Steps



Next Steps

- **Action Review and Refinement** | January and February 2023
- **Administration of the Community Survey** | February 2023
- **Focus Group Meetings** | March 2023
- **Advisory Group Meeting #2** | March 2023



Open Discussion

