



SCV
WATER

Sustainability and Climate Action Plan

Water Resources and Watershed Committee

January 12, 2022

Item 6.2

Agenda

1. Introduction
2. Climate and Sustainability Plan
 1. Overview
 2. Benefits
 3. Preliminary results
3. Project Deliverables
4. Project Schedule



Introductions



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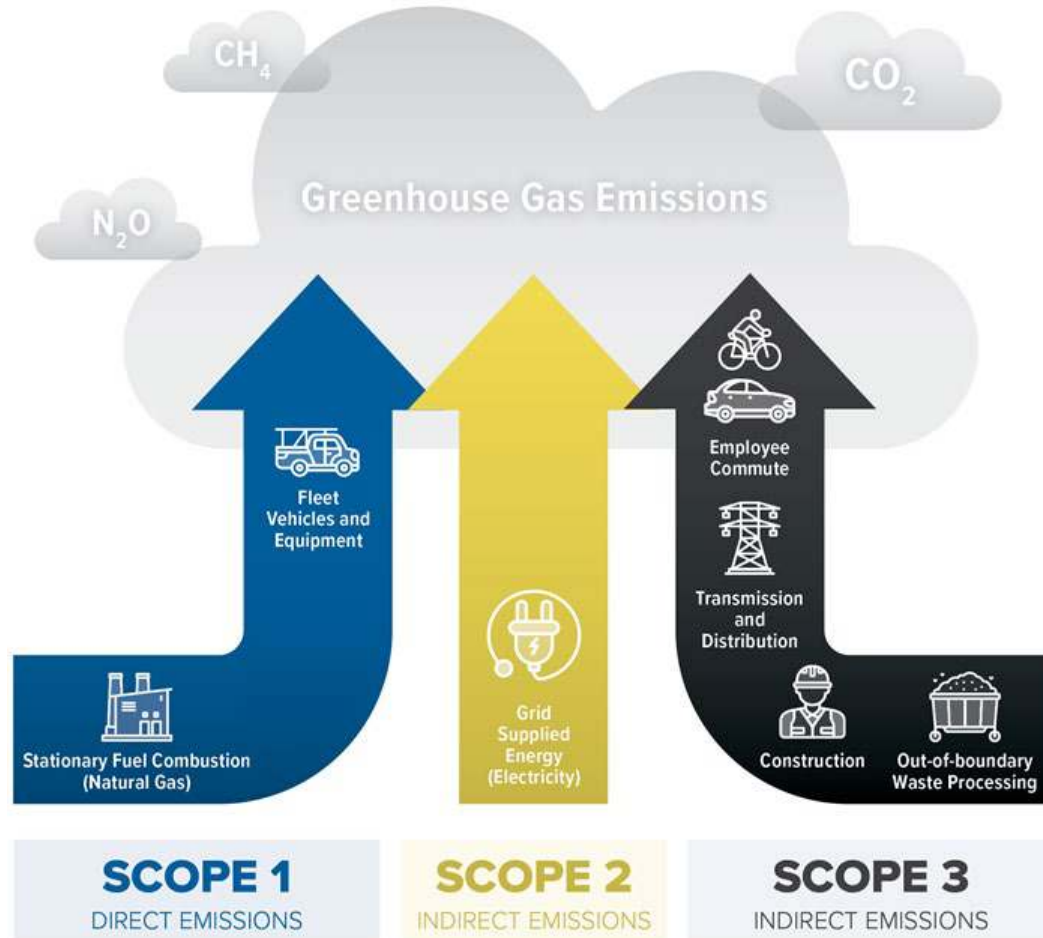
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Additional Support:

SCV Water Staff

- Sustainability
- Water Resources
- Operations
- Engineering
- Administration
- IT

SCVWA Sustainability & Climate Action Plan Overview



- Establish inventory of baseline greenhouse gas (GHG) emissions
- Forecast future emissions
- Develop roadmap for reducing GHG emissions in alignment with State goals

About Climate Action Planning

- AB 32 codified the statewide goal to reduce GHG emissions to 1990 levels by 2020
- SB 32 requires the state of California to achieve a statewide reduction of GHG emissions by 40% below 1990 level by 2030
- EO B-55-18 establishes statewide goal of carbon neutrality by 2045
- State recognizes water agencies as large energy emission contributor and consider water agencies important partners in achieving these statewide goals
- Climate action planning has a role in water agencies long-term planning
 - Integrated Regional Water Management
 - Hazard Mitigation Planning
 - Water Supply Reliability Plan
 - Water Conservation Programs

SCVWA Sustainability & Climate Action Planning Benefits

Grant Funding

Improves scoring for grant funding opportunities

Cost
Savings/Process
Efficiencies

Identifies energy efficiencies and savings potential

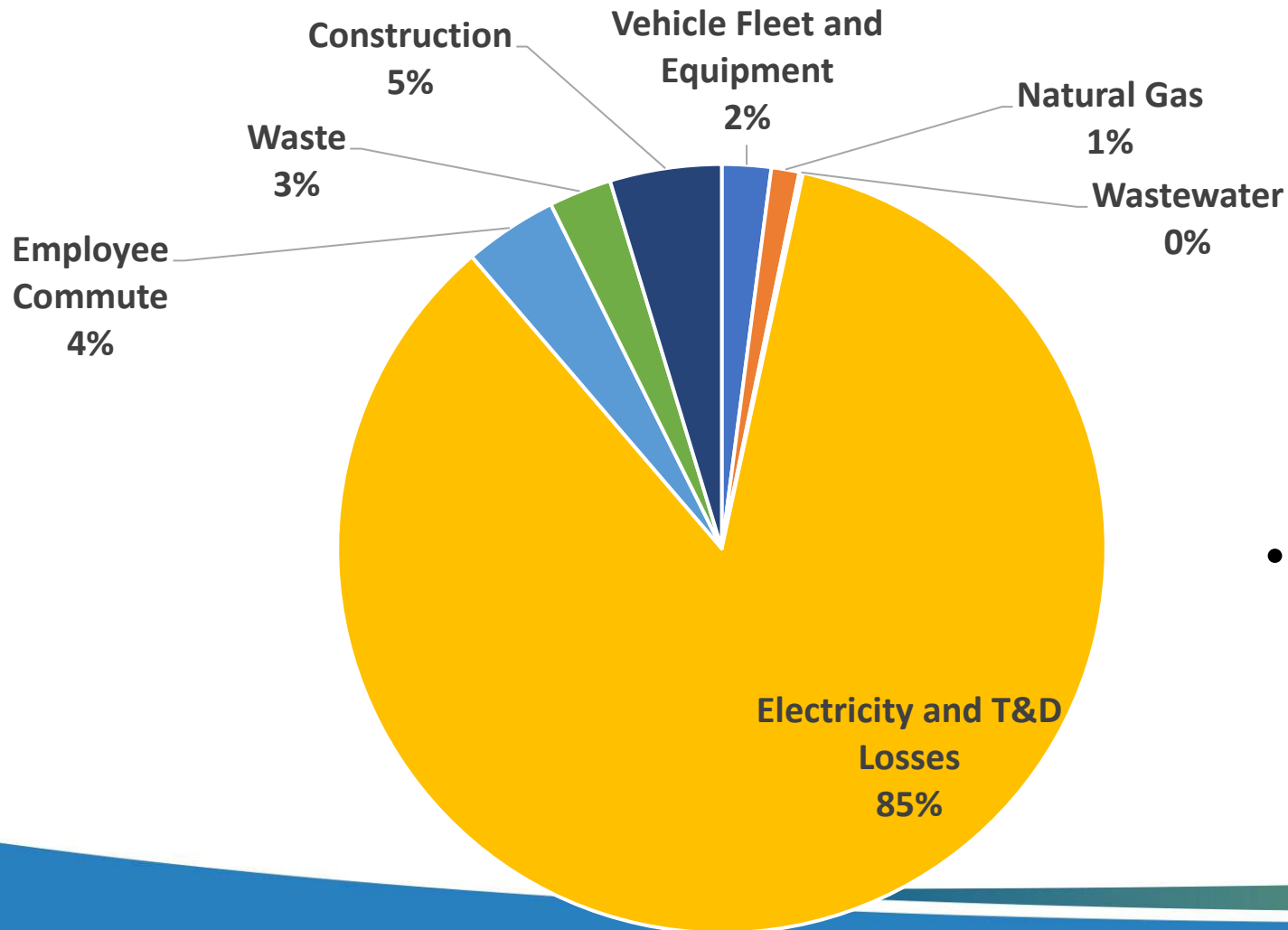
Future CEQA
Streamlining

First step in developing a CEQA qualified GHG reduction plan for CEQA streamlining

Enhance
Sustainability of
Operations

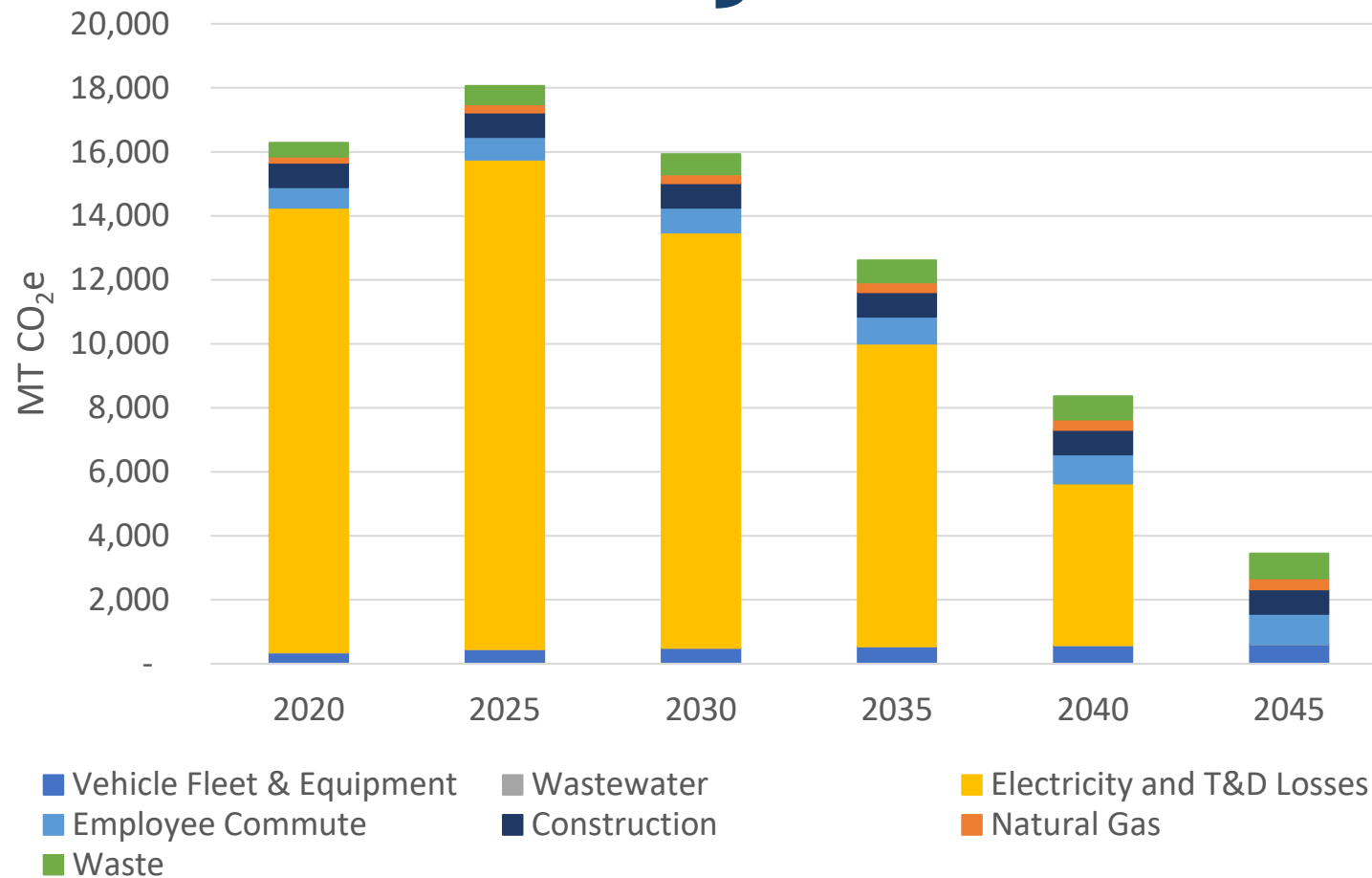
Supports 2020 Sustainability Action Plan objectives and implementation of existing and potential GHG reduction measures

Prelim Results: SCVWA GHG Inventory



- Majority of emissions associated with electricity usage

Prelim Results: SCVWA GHG Legislative Adjusted Forecast

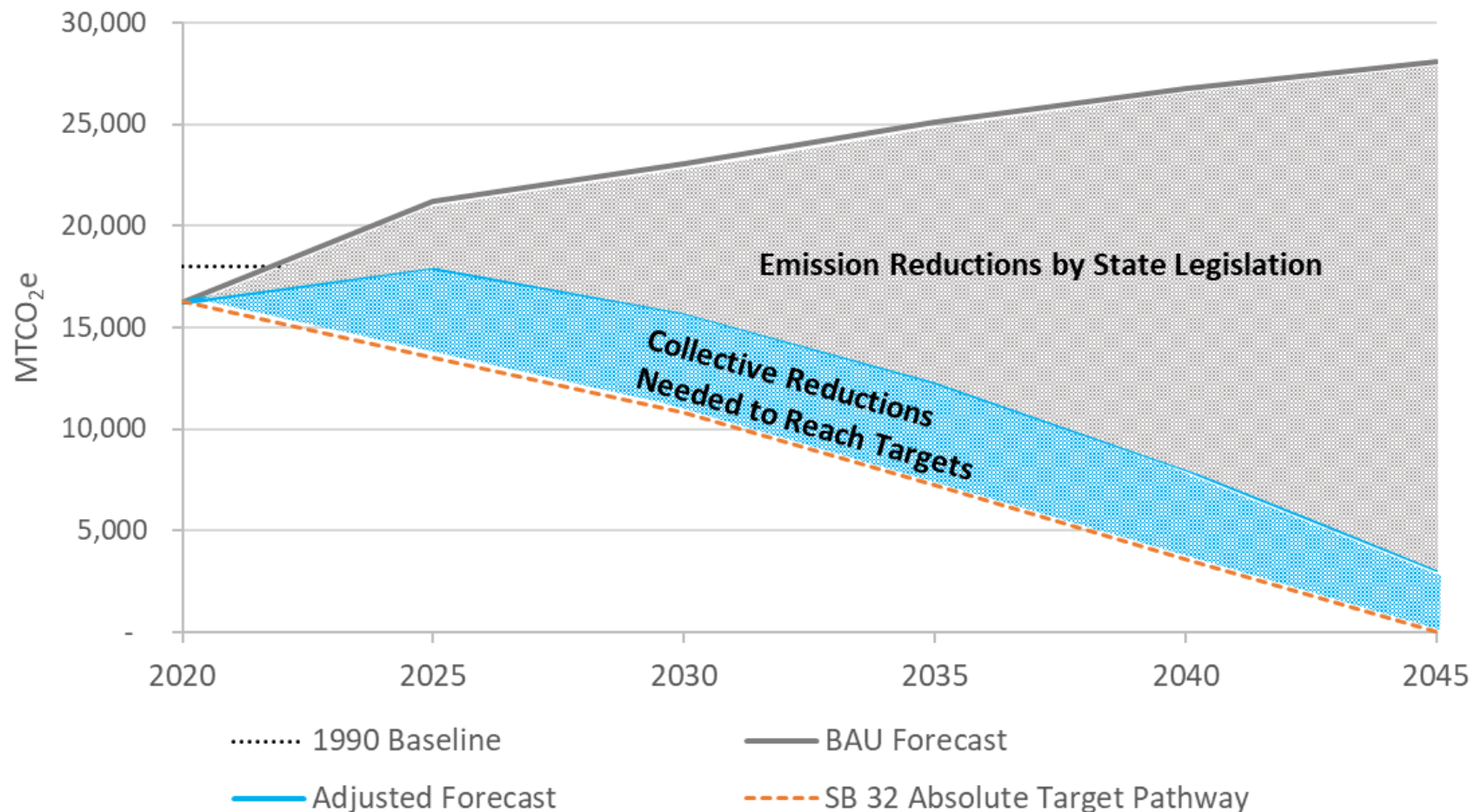


- Increase in emissions forecasted between 2019 and 2025 due to expected increase in services and associated operation
- Electricity increases with operational increase, however electricity emissions decline from 2025 and beyond due to the California Renewable Portfolio Program
- Post 2045 electricity will be carbon neutral per Senate Bill 100

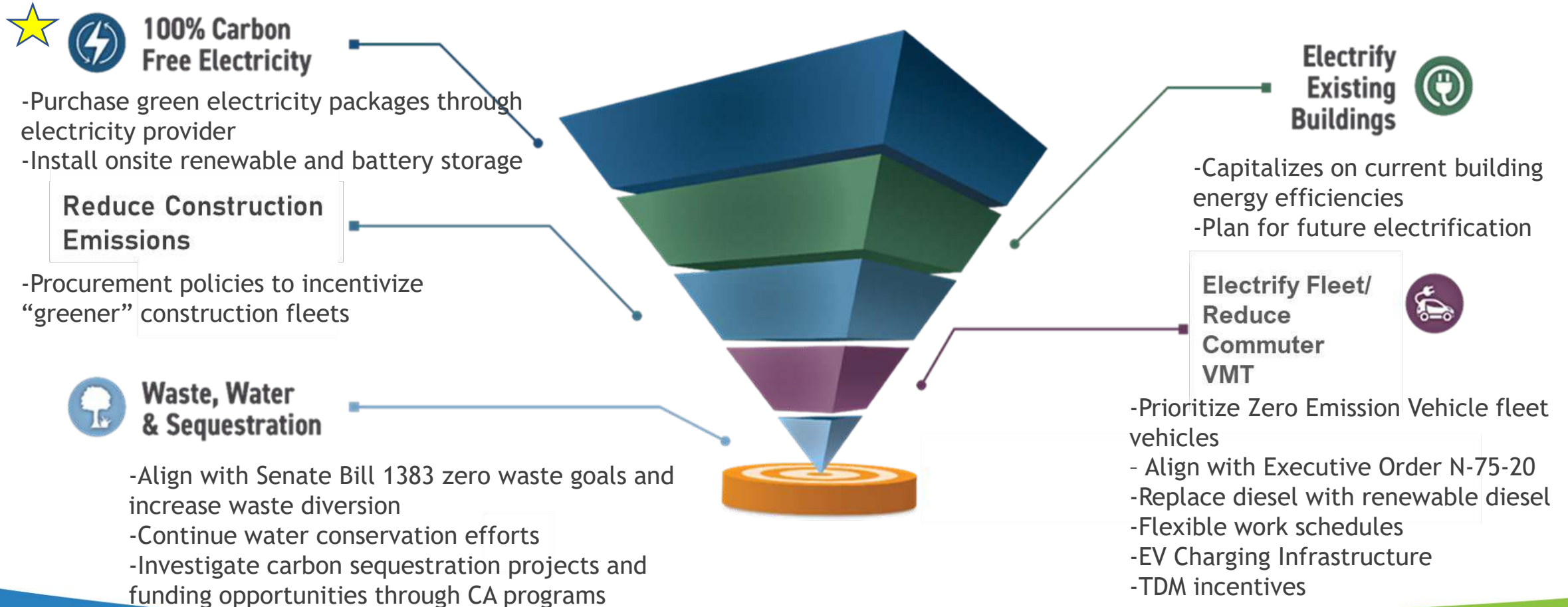
Setting Climate Action Targets

State Legislative Targets

- ★ Senate Bill 32: 40% below 1990 levels by 2030
- Executive Order B-55-18: carbon neutral by 2045



Types of GHG Emissions Reduction Strategies



Strategy Development

- Internal Collaboration and Buy in
 - Work with small internal work groups to develop measures
 - Stakeholder engagement and ensure stakeholder buy in
- Criteria considered
 - Feasibility/cost
 - Implementable
 - Alignment with SCVWA Values
- Build on existing successes, measures, and plans

Project Schedule - Technical



*Plan adoption goal: July 2022

Steps to Completion - Technical



Internal working group works together to develop and refine new GHG reduction measures that align with SCVWA goals



Quantify GHG reductions achievable through measure implementation to demonstrate SCVWA can achieve target levels

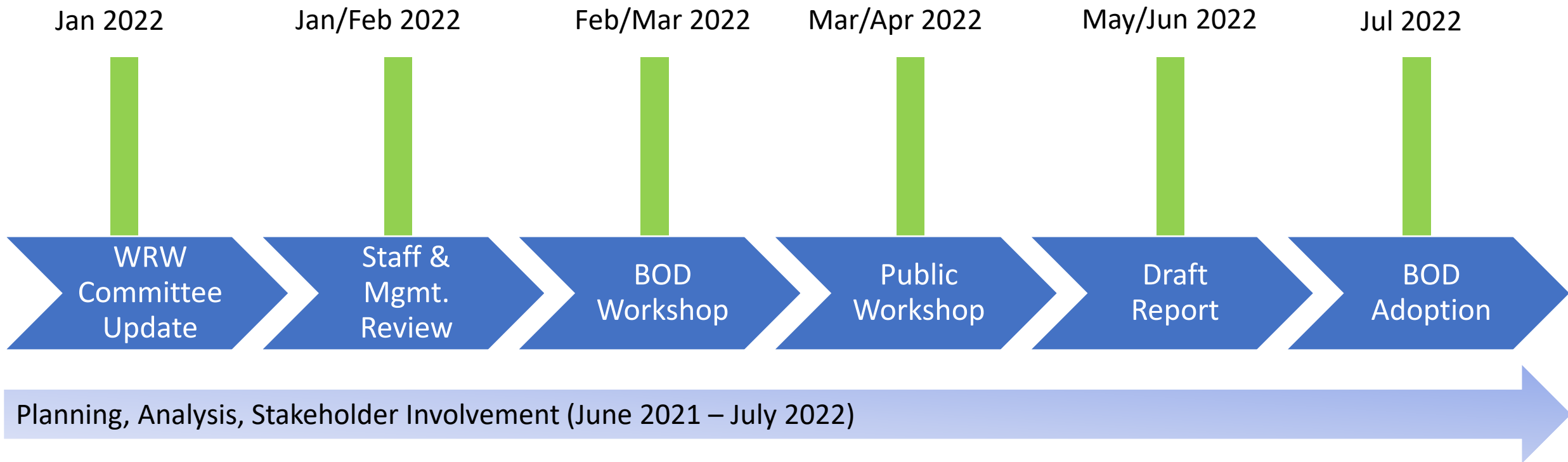


Draft Sustainability Plan, Board review and Finalize Plan document



Use of CAPDash and Annual Report to track progress of GHG measure implementation

Steps to Completion - Engagement





Questions & Comments

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