



Pasadena Climate Action Plan 2018 ANNUAL REPORT

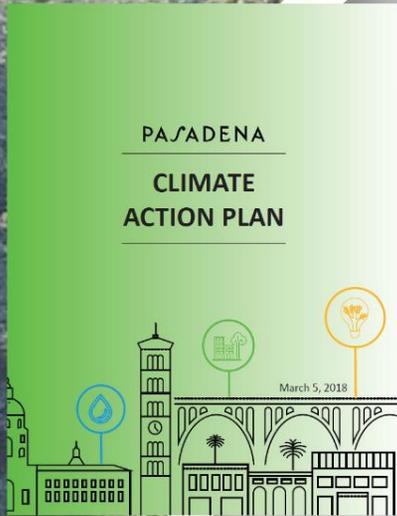
City Council | September 16, 2019

PURPOSE

BACKGROUND

**2018
ANNUAL
REPORT**

**NEXT
STEPS**



PURPOSE

Council adopted the Pasadena Climate Action Plan (CAP) on March 5, 2018

Long term plan to reduce the City's GHG emissions

To evaluate CAP's effectiveness, council directed Planning staff-

1.
Annual Monitoring

2.
GHG Inventory

3.
Role of EAC

Annual Report

Snapshot of CAP's progress for the calendar year

Provide the year's metrics on measurable performance indicators

Include status of implementation actions

Greenhouse Gas (GHG) Inventory

Comprehensive assessment of
City's GHG emissions levels

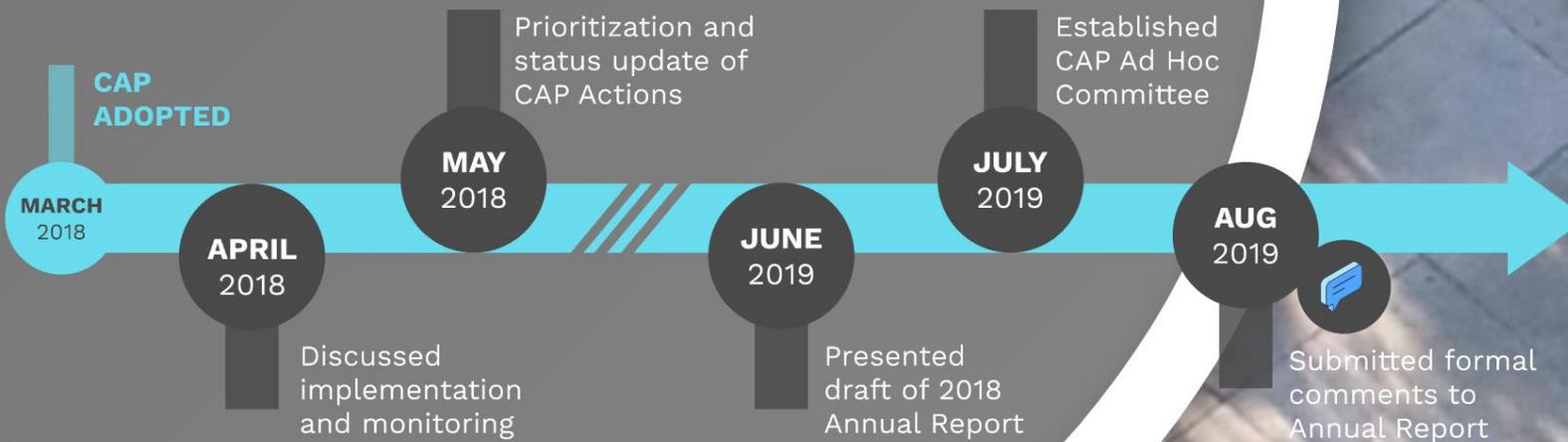
Determine City's progress towards
CAP's reduction goals

Conduct an inventory every five
years, starting with the year 2020

Environmental Advisory Commission (EAC)

Charged with monitoring and advising Council on CAP related matters

EAC Meetings



Commission Comments



- Cater report to a wider audience
- Incorporate progress notes for CAP actions (Appendix A)
- Provide resources such as CAP website
- Graphic recommendations

Background

Pasadena's strategic framework for **measuring, planning, and reducing** the City's share of greenhouse (GHG) emissions

2035 Horizon Year

Demonstrates commitment towards achieving statewide GHG reduction targets

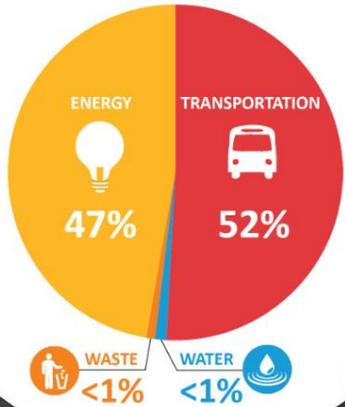


GHG
Emissions &
Reduction
Targets

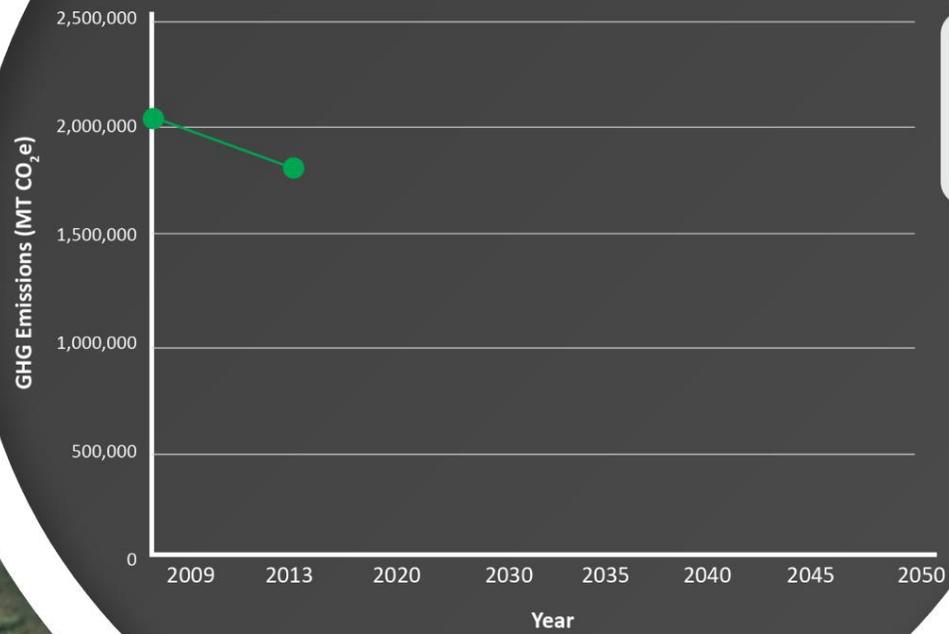
Reduction
Strategy

Monitoring &
Implementation

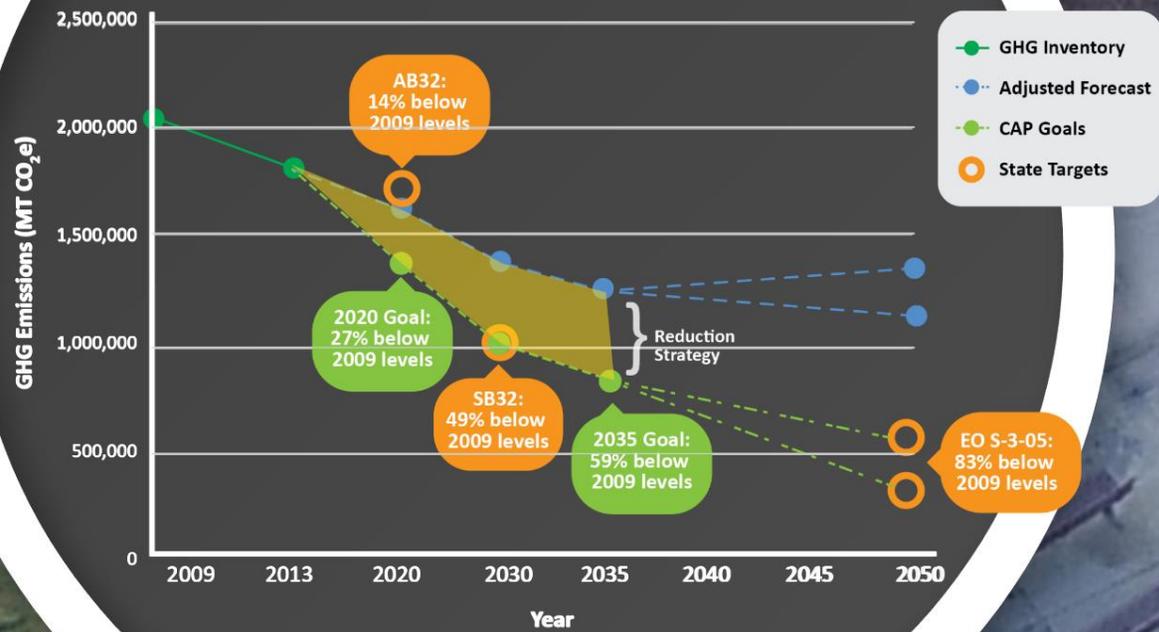
2009 GHG Inventory (Baseline Inventory)

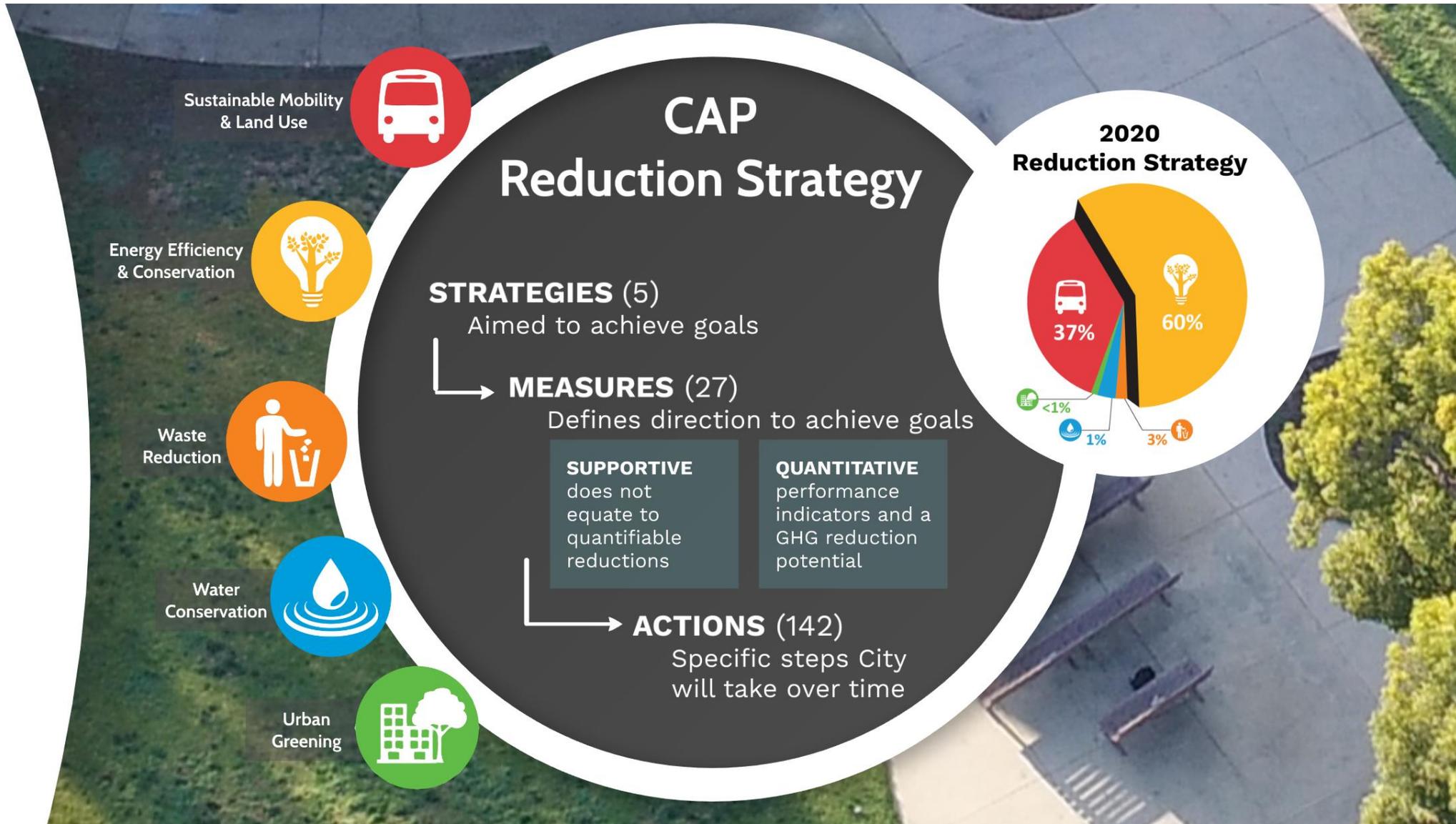


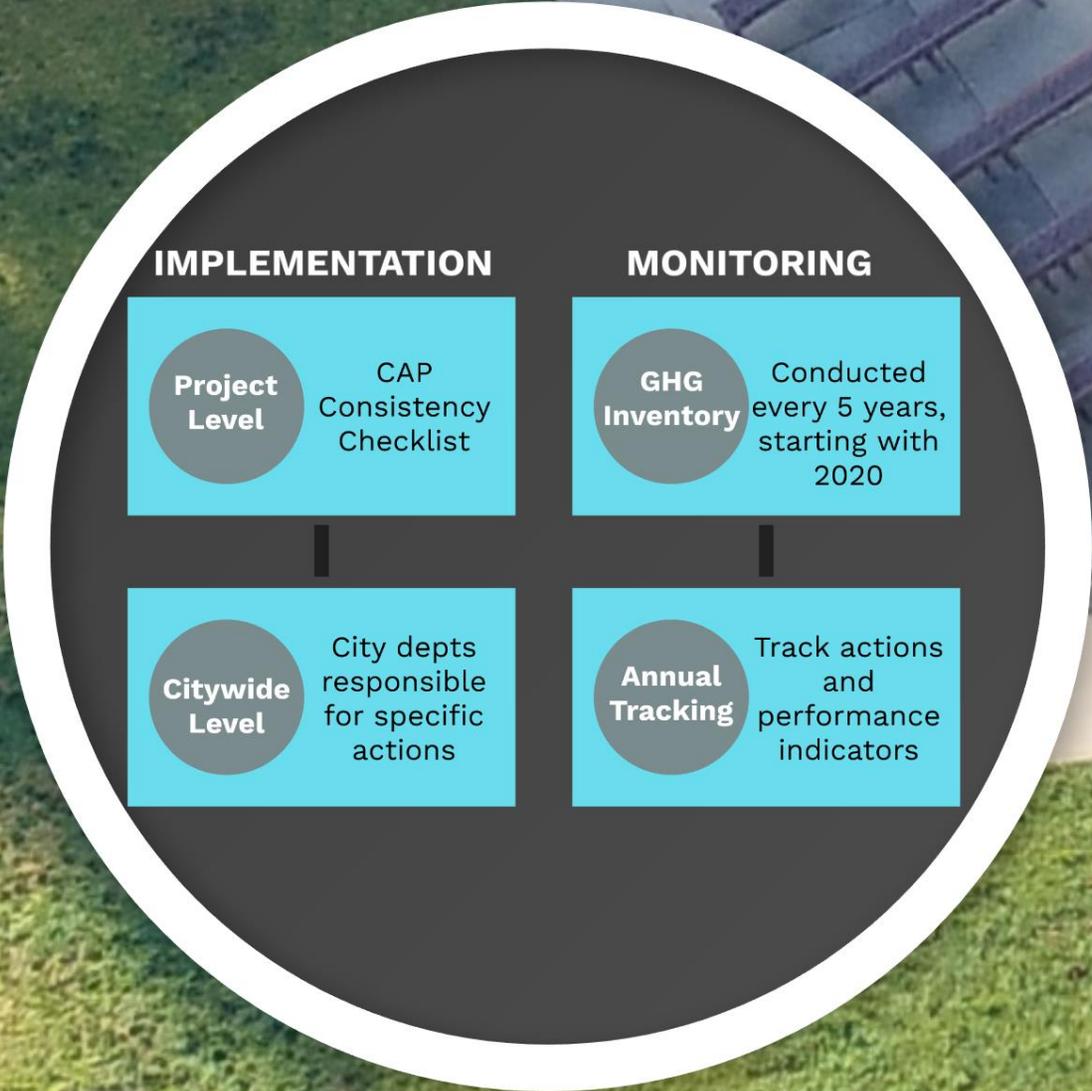
Anticipated GHG Emissions and Reduction Goals



Anticipated GHG Emissions and Reduction Goals







Annual Tracking Database

CAP's Timeframe
(relative to 2020 and 2035 goals)

NEAR TERM

MID TERM

LONG TERM

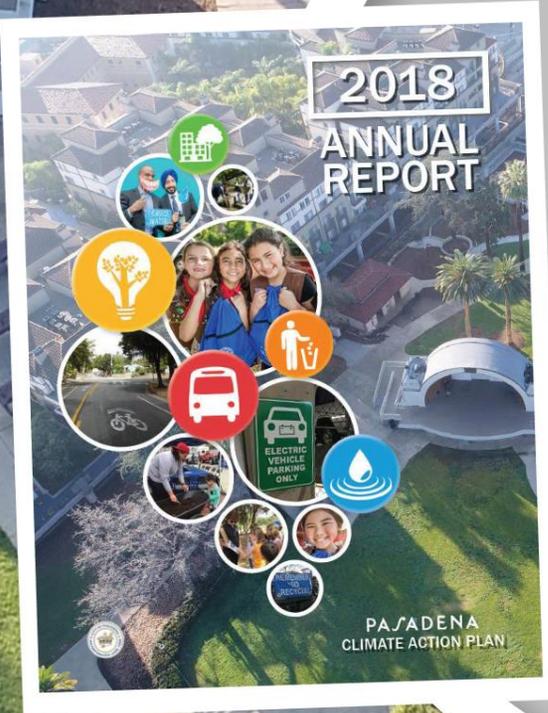
City Departments provide information on:

■ **Metrics on Performance Indicators**
(i.e. Plant 500 new trees by 2020)

■ **Priority and Status of Actions**
Based on each department's work program and existing priorities

- 1 Tier I:** Ongoing or will begin within one year
- 2 Tier II:** Begin within 2-5 years or revisited
- 3 Tier III:** Requires additional funding and/or resources

2018 Annual Report



Provides a **snapshot of 2018** and the progress made towards achieving the CAP's 2020 goals

Does not provide data on current level of GHG emissions

Coordination with City Departments- Water & Power, Transportation, Public Works

1

Report Card

2

CAP Measure Highlights

Report Card (page 4)

Status of 13 performance indicators
(quantitative CAP Measures)

2

ACHIEVED

Stated goals have been met

8

LIKELY

Anticipated to be achieved by target year

3

UNDETERMINED

Missing data, reports, or parameters to make a determination

2

ACHIEVED

CAP Measure	2020 Goal	2018 Metrics
E-4 Residential & Commercial Carbon-Neutral Energy	Replace 950,000 kWh of electricity use with carbon-free energy	54,822,457 kWh reductions in fossil-fueled energy supply
WC- 1 Potable Water	0% reduction in water consumption per capita (Comply with SBX7-7)	6.4% reduction in water consumption per capita (exceeds requirements set forth by SBX7-7)

8

LIKELY

1

T-2 Public Transit

2

T-3 Transportation Demand Management

3

T-4 Alternative Fuel Vehicles

4

E-2 Energy Retrofits of Existing Buildings

5

E-3 Municipal Operations

6

E-5 City's Energy Portfolio

7

UG-1 Green Space

8

UG-2 Urban Forest

3

UNDETERMINED

1

T-1 Walking and Bicycling

DOT to evaluate alternatives of employing bike share vendors from the private sector

2

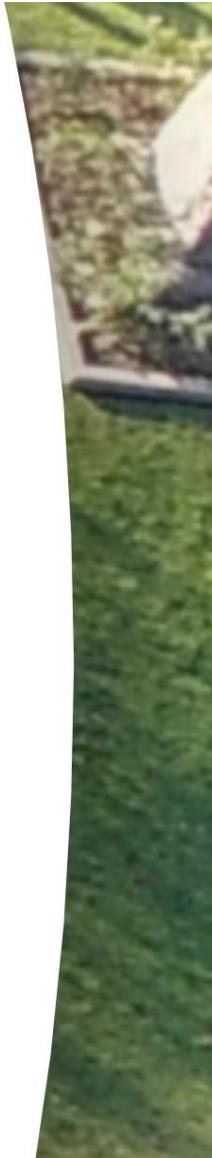
WR-1 Solid Waste

Changes to the recycling market may impact likelihood of meeting the 75% diversion rate

3

WR-3 Organic Waste

Per SB 1383, State to provide guidance on determining % for organic waste



Measure Highlights (Pages 5-9)



Highlights key implementation actions implemented by City departments

No quantifiable GHG reductions but support each strategy's overall goal

Appendix A provides status of all near-term implementation actions

Key Highlights



2020 reduction strategy focuses on the **Energy Sector**

Updated the Power Integrated Resource Plan (IRP)

Achieve 60% Renewable Portfolio Standard (RPS) by 2030, consistent with SB 350 and SB 100
Achieve at least a 75% GHG reduction by 2030
No new long-term commitments for fossil fueled resources for energy needs
Long term goal of a 100% carbon-neutral portfolio

Termination of natural gas contract with the Intermountain Power Plant

Incorporate the Green Building Code 2019

Requires new residential to be Zero Net Energy (ZNE) by 2020 and new commercial by 2030

An aerial photograph of a park area with a large grey circle overlay in the center. The circle contains the text 'Next Steps' and a numbered list item. The background shows a green lawn, a paved path, a flagpole with an American flag, and some trees.

Next Steps

- 1 Recommend that no changes be made to the CAP and its implementation until a GHG inventory is conducted