



# Climate Change Action Plan

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*July 13, 2021*

Adopt the Climate Change Action Plan and Direct Development of the Implementation Program

# Climate Change Action Plan (CCAP)

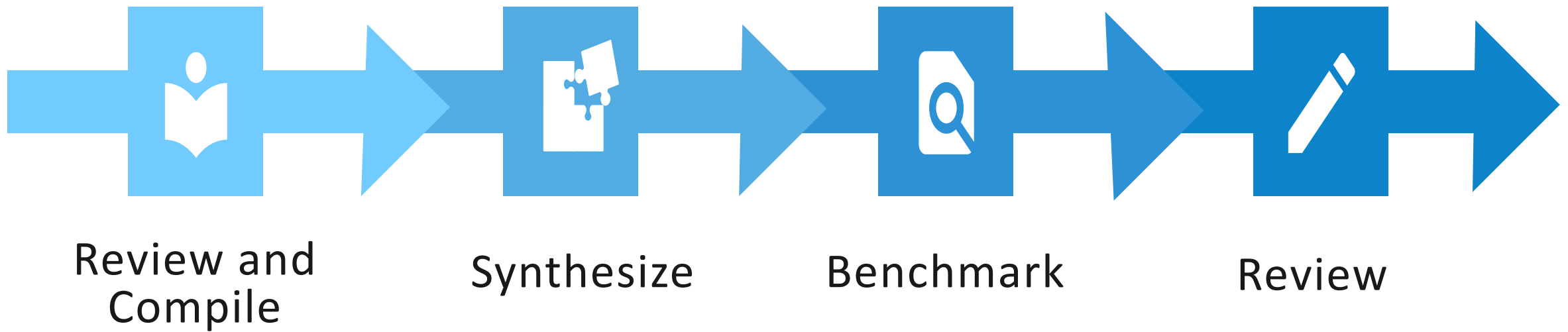
## Valley Water's framework for climate change response

- Identifies **vulnerabilities** and assesses **risk** to water supply, flood protection, and stewardship objectives
- Presents climate change mitigation and adaptation **strategies and possible actions**
- Proposes an implementation program to **measure and report progress**

# Timeline



# Development Process



# — CCAP Overview



History of Valley Water's climate actions



Climate Change Projections and Impacts to Valley Water



Vulnerability and Risk Assessment



Goals, Strategies, and Possible Actions



Next Steps

# CLIMATE CHANGE IMPACTS TO VALLEY WATER

Increase of 2 degrees Fahrenheit by 2050 and extreme heat events



**Temperature**

Potential increase in precipitation volume and extreme events



**Precipitation**

Decline in snowpack



**Drought and Snowpack**

Risk of wildfire



**Wildfire**

Increase in sea level



**Sea Level Rise**



# Vulnerability and Risk Assessment



## Water Supply Vulnerability

Drought, Water Quality, Storm Damage to Assets



## Flood Protection Vulnerability

Coastal Assets, Access to Facilities, Supply Chain Disruption



## Ecosystem Stewardship Vulnerability

Wildfire, Habitat Fragmentation, Water Quality



# CCAP Mitigation Goals

GOAL 1

Reduce Direct  
Emissions

GOAL 2

Improve Energy  
Efficiency

GOAL 3

Reduce Indirect  
Emissions

# CCAP Adaptation Goals

GOAL 4

Water Supply  
Adaptation

GOAL 5

Flood Protection  
Adaptation

GOAL 6

Ecosystem  
Adaptation

GOAL 7

Emergency  
Preparedness

# CCAP External Outreach Strategy

## Awareness

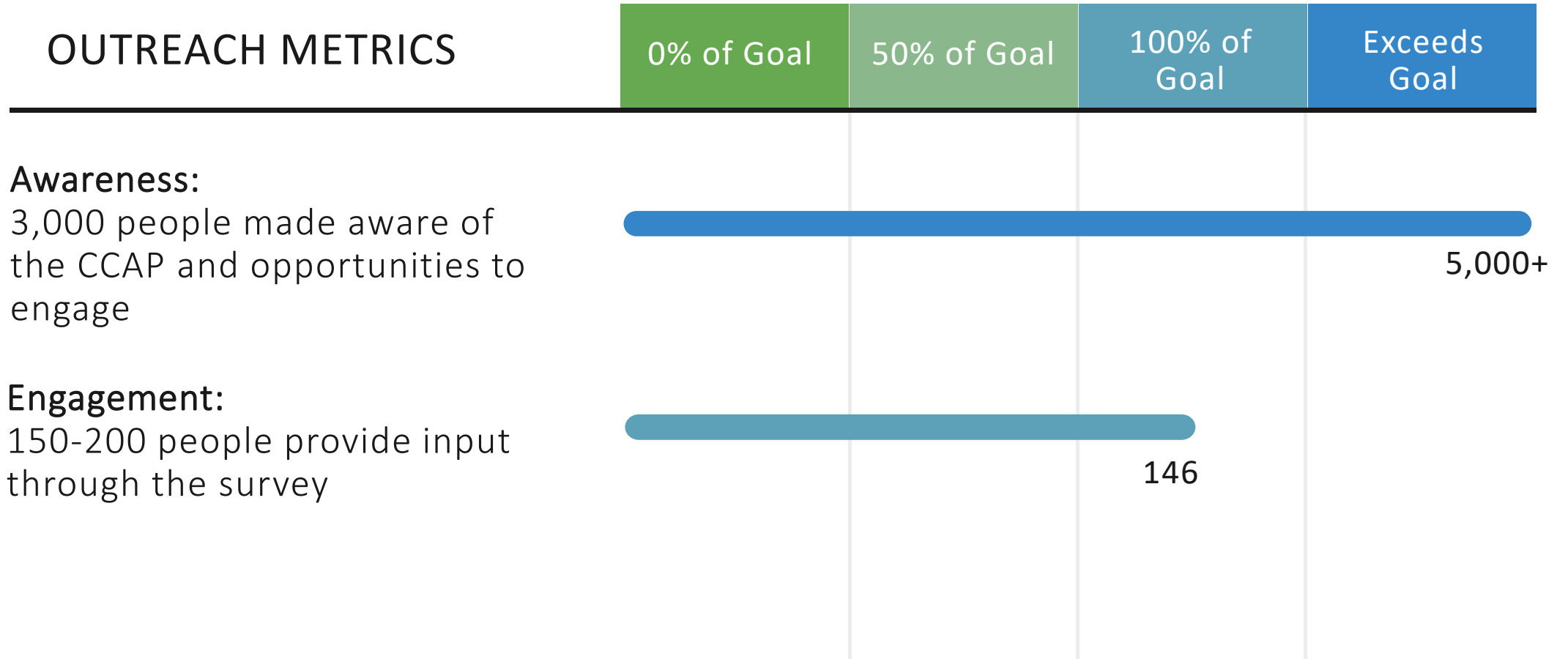
- Social Media Video
- Website Update
- Summary Document

## Stakeholder Input

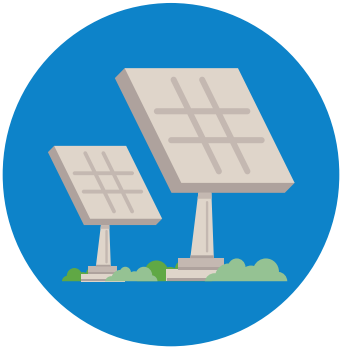
- Survey
  - Review of goals and strategies
  - Additional action ideas
  - Prioritization of Goals

# Outreach Metrics

Measuring Success



# Common Topics of Comments



**Solar & Renewables**



**Reduction Targets**



**Teleworking**



**Green Infrastructure**



**Environmental Justice**



**Water Conservation**

## Implementation Program

- 1 Prioritize Actions**  
Possible criteria include cost, co-benefits, effectiveness, and survey feedback.
- 2 Measure Progress**  
Define metrics at the strategy level, including an updated greenhouse gas reduction goal.
- 3 Reporting and Outreach**  
Continue to collaborate with internal and external stakeholders. Track progress publicly such as through a public dashboard.



# Valley Water

Clean Water • Healthy Environment • Flood Protection



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