First Annual Climate Action Plan (CAP) Monitoring Report

City Council
Item No. 7
April 6, 2022
Request

• Review and Receive the Climate Action Plan annual monitoring report for the 2021 year

• Recommend implementation milestones for 2022-23 year
Background

• Climate Action Plan (CAP) originally adopted in 2013
  • An update to the 2013 CAP adopted in March 2021

• CAP greenhouse gas (GHG) reduction targets:
  • 42% below 2012 levels by 2030
  • 52% below 2012 levels by 2035

• CAP Strategies
  • 9 implementation strategies with performance metrics
  • 2 resiliency strategies with adaptation actions
  • 4 overarching strategies

• 2021-22 first annual monitoring report
CAP Strategies

1. Increase Use of Zero-Emission or Alternative Fuel Vehicles
2. Reduce Fossil Fuel Use
3. Reduce Vehicle Miles Traveled
4. Increase Building Energy Efficiency
5. Increase Renewable and Zero Carbon Energy

- Annual Monitoring
- Full-time sustainability/climate coordinator

6. Increase Water Efficiency
7. Diversify Local Water Supply
8. Reduce and Recycle Solid Waste
9. Carbon Sequestration
10. Become A “Client Smart” Leader
11. Build Thriving and Resilient Neighborhoods

- Updated GHG inventory from SANDAG
- Climate Commission

CAP strategies in BOLD contain measures with implementation started/ongoing
**Strategies**

- **Ex:** Strategy 1: *Increase use of Zero-Emission or Alternative Fuel Vehicles*
- **Ex:** Strategy A-1: *Become a “Climate Smart” Leader*

**Numbered Measures**

- **Ex:** Strategy 1: *Increase use of Zero-Emission or Alternative Fuel Vehicles*
  - T-1.1: Transition to Clean and More Fuel-Efficient Municipal Vehicle Fleet

- **Ex:** Strategy A-1: *Become a “Climate Smart” Leader*
  - A-1.1: Fully anticipate, plan for, and mitigate the risks of climate change and seize the opportunities associated with the social and environmental change.

**Performance Metrics/Adaptation Actions**

- **Ex:** Strategy 1: *Increase use of Zero-Emission or Alternative Fuel Vehicles*
  - T-1.1: Transition to Clean and More Fuel-Efficient Municipal Vehicle Fleet
  - Add 11 new EVs and PHEVs to the City fleet by 2030

- **Ex:** Strategy A-1: *Become a “Climate Smart” Leader*
  - A-1.1: Fully anticipate, plan for, and mitigate the risks of climate change and seize the opportunities associated with the social and environmental change.

  *Update the “2020 Escondido Climate Adaptation Study.”*
## 2021 Reporting

<table>
<thead>
<tr>
<th>Status</th>
<th>Measure</th>
<th>Title</th>
<th>GHG Reduction Potential (MtCO₂e)</th>
<th>Responsible Department</th>
<th>Implementation Timeframe</th>
<th>CAP Implementation Date</th>
<th>Staff Implementation Costs</th>
<th>Ease of Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completed for 2021</td>
<td>Annual monitoring report to Planning Commission and City Council, identifying CAP implementation efforts to date, CAP's performance in achieving targets, and set implementation milestones for the following year.</td>
<td>--</td>
<td>--</td>
<td>CD</td>
<td>--</td>
<td>March 2022</td>
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<tr>
<td>Not yet implemented</td>
<td>Establish Climate Commission; formal advisory group to help provide ongoing program support and guidance.</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Short-Term</td>
<td>2021</td>
<td>--</td>
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<tr>
<td>Not yet received</td>
<td>Receive updated GHG inventory from SANDAG; if no data is received then the City will need to develop an updated emissions inventory by 2022.</td>
<td>--</td>
<td>--</td>
<td>CD</td>
<td>Short-Term</td>
<td>2021</td>
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<tr>
<td>Completed.</td>
<td>The planning division recently hired a senior planner (end of 2021) to work on CAP implementation</td>
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<tr>
<td>Not yet implemented</td>
<td>Hire a full-time sustainability or climate coordinator.</td>
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### Strategy 1: Increase Use of Zero-Emission or Alternative Fuel Vehicles

<table>
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<tr>
<th>Measure</th>
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</thead>
<tbody>
<tr>
<td>T-1.1</td>
<td>Transition to a Clean and More Fuel-Efficient Municipal Vehicle Fleet.</td>
<td>--</td>
<td>PW</td>
<td>Mid-Term</td>
<td>--</td>
<td>Low</td>
<td>Low</td>
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<tr>
<td></td>
<td>Adopt a procurement policy for converting all municipal vehicle fleet to EVs and PHEVs.</td>
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<td>--</td>
<td>Short-Term</td>
<td>2021</td>
<td>--</td>
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<tr>
<td></td>
<td>Add 11 new EVs and PHEVs to the City fleet by 2030.</td>
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<td>--</td>
<td>Mid-Term</td>
<td>2030</td>
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<td></td>
<td>Maintain 30 EV charging stations and 11 EVs and PHEVs in the municipal fleet by 2035.</td>
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<td>Long-Term</td>
<td>2035</td>
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<td>Establish EV Charging stations at the Police and Fire Headquarters by 2030.</td>
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<td>Mid-Term</td>
<td>2030</td>
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*Note: The City added 6 zero-emissions vehicles*
Performance Metrics/Adaptation Actions

Ex: Strategy 1: Increase use of Zero-Emission or Alternative Fuel Vehicles
T-1.1: Transition to Clean and More Fuel-Efficient Municipal Vehicle Fleet
Add 11 new EVs and PHEVs to the City fleet by 2030
Achievements

• Community Choice Energy - Clean Energy Alliance member (Oct. 2021)

• Adopted Organic Waste & Recycling Ordinance (Dec. 2021)

• Retrofit over 1,000 Streetlights

Total GHG reduction implemented in 2020-21: 6 MTCO$_2$e
2022 Actions

Status

- Complete/Underway: 7
- Not Yet Implemented: 2

Legend:
- Orange: Complete/Underway
- Brown: Not Yet Implemented