Project Description

- Climate Action Plan (CAP)
  - A comprehensive plan outlining eight strategies intended to reduce pollution, improve community resiliency, better manage natural resources, create community-wide change, and reduce Greenhouse Gas (GHG) emissions

- Program Environmental Impact Report (EIR)
  - Analyzes any significant potential impacts from the adoption of the CAP
What is a Climate Action Plan?

City Plan to reduce Greenhouse Gas Emissions (GHG)

- Inventory of existing GHG Emissions
- Project Future Emissions
- City Strategies to reduce emissions
Why should El Cajon have a Climate Action Plan?

- Plan to Manage Resources and Improve Efficiencies
- CEQA Streamlining
- Grant Funding
- Co-benefits
- State policy guidance

The City is not required to have a Climate Action Plan.
Public Outreach

- Project Webpage
- Press Releases on Sustainable Strategies
- Public Workshop
  - May 22, 2019
- Community Events
- Stakeholder meetings
- Newcomers in Action
- Community Survey
GHG Metrics

**How much is 685,000 metric tons of greenhouse gases?**

- **750 million pounds** of coal burned
- **1.7 billion miles** driven by a single car
- **23 million light bulbs** switched to LEDs
- **77 million gallons** of gasoline consumed
- **A year's worth of carbon sequestration from 810 thousand acres** of U.S. forests
- **Driving to the moon and back 3,558 times**
- **34 thousand garbage trucks** of waste recycled instead of landfilled

*Source: Ascent Environmental 2019*
GHG Inventory

Source: EPIC 2018

Figure 2-1: GHG Emissions Inventory for the City of El Cajon in 2012 by Emissions Sector
Projections & Targets

- 2020
  - City will meet target without further action

- 2030
  - City will not meet target without further action
  - 33,000 metric ton gap
CAP Strategies

1. Increase use of zero-emission/alternative fuel vehicles
2. Reduce fuel use
3. Reduce vehicle miles traveled
4. Increase building energy efficiency
5. Increase renewable and zero-carbon energy
6. Increase water efficiency
7. Reduce and recycle solid waste
8. Carbon sequestration
## Strategy #1 Increase Use of Zero-Emission/Alternative Fuel Vehicles

<table>
<thead>
<tr>
<th>T-1.1</th>
<th>Develop a fleet management program</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-2.1</td>
<td>Install municipal electric vehicle charging stations</td>
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<tr>
<td>T-2.2</td>
<td>Incentivize installation of electric vehicle charging stations</td>
</tr>
<tr>
<td>T-2.3</td>
<td>Increase clean air vehicle preferential parking spaces</td>
</tr>
<tr>
<td>T-2.4</td>
<td>Convert school bus fleet to electric</td>
</tr>
</tbody>
</table>

Increase the use of Zero-Emission Vehicles
Electric Vehicle Charging Stations
## Strategy #2 Reduce Fuel Use

<table>
<thead>
<tr>
<th>City Actions</th>
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</thead>
<tbody>
<tr>
<td><strong>T-3.1</strong> Synchronize traffic lights</td>
</tr>
<tr>
<td><strong>T-3.2</strong> Install roundabouts</td>
</tr>
<tr>
<td><strong>T-4.1</strong> Increase renewable and alternative fuel use in construction equipment</td>
</tr>
</tbody>
</table>

Synchronized traffic lights
### Strategy #3 Reduce Vehicle Miles Traveled

<table>
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<tr>
<td><strong>T-5.1</strong> Increase alternative modes of travel through Transportation Demand Management</td>
</tr>
<tr>
<td><strong>T-6.1</strong> Complete Active Transportation Plan</td>
</tr>
<tr>
<td><strong>T-7.1</strong> Increase residential dwelling units in Transit Oriented Development areas</td>
</tr>
<tr>
<td><strong>T-7.2</strong> Encourage development in mixed-use residential overlay areas</td>
</tr>
</tbody>
</table>

Complete an Active Transportation Plan
Plan for new infrastructure to promote walking and biking
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>BE-1.1 Require energy audits for additions to existing residential units</td>
</tr>
<tr>
<td>BE-1.2 Continue the Critical Home Repair Program and Home Rehabilitation Loans</td>
</tr>
<tr>
<td>BE-2.1 Require energy audits of non-residential additions and improvements</td>
</tr>
<tr>
<td>BE-3.1 Continue energy efficiency projects in municipal facilities</td>
</tr>
<tr>
<td>BE-3.2 Retrofit high pressure sodium street lights</td>
</tr>
</tbody>
</table>
# Strategy #5 Increase Renewable & Zero-Carbon Energy

<table>
<thead>
<tr>
<th>City Actions</th>
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<tbody>
<tr>
<td>RE-1.1  Incentivize photovoltaic installation on commercial buildings</td>
</tr>
<tr>
<td>RE-1.2  Install photovoltaic systems at school sites</td>
</tr>
<tr>
<td>RE-2.1  Connect research and present City Council options to increase renewable and zero-carbon electricity</td>
</tr>
</tbody>
</table>
Strategy #6 Increase Water Efficiency

<table>
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<tr>
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<tbody>
<tr>
<td>WE-1.1 Require covers on new pools</td>
</tr>
<tr>
<td>WE-1.2 Require weather-based irrigation systems</td>
</tr>
</tbody>
</table>

Increase Water Efficiency
Drought-tolerant landscaping
Strategy #7 Reduce & Recycle Solid Waste

City Actions

| SW-1.1 | Implement solid waste reduction and recycling targets |

Reduce Solid Waste
Recycling organic waste
## Strategy #8 Carbon Sequestration

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<thead>
<tr>
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<tbody>
<tr>
<td>CS-1.1</td>
<td>Increase shaded landscape area</td>
</tr>
<tr>
<td>CS-1.2</td>
<td>Increase tree shade in surface parking lots</td>
</tr>
<tr>
<td>CS-1.3</td>
<td>Increase street trees</td>
</tr>
</tbody>
</table>

Sequester Carbon
Plant more trees
CAP Implementation

Climate Action Planning

1. Develop and maintain CAP
   - baseline GHG inventory
   - GHG projections
   - targets
   - reduction measures

2. Implement CAP
   - Implementation Plan
   - local and collaborative actions

3. Monitor and report progress
   - GHG inventory updates
   - performance indicators
   - evaluate progress

Considered throughout:
- stakeholder engagement
- benefits and costs
- California Environmental Quality Act

SANDAG 2018
CEQA

- Program EIR
- No potential significant impacts

- Scoping Meeting - March 18, 2019
- Public Review - April 17, 2019 through May 31, 2019
- Two comment letters were received
Qualified Climate Action Plan
CEQA Guidelines 15183.5

- Mitigate Greenhouse Gases in a plan
- Later projects may tier from the EIR

Requirements

- Quantify GHG emissions
- Establish target levels
- Identify projected GHG emissions
- Specify measures including performance standards
- Establish a mechanism to monitor the plan
- Adopt during a public review process
Planning Commission Recommendation

- Planning Commission unanimously recommended (vote 4-0-0) City Council approval.
  - Included an action to develop a tree preservation and replanting policy
Recommendation

- That the City Council:
  - Certify the Environmental Impact Report No. 91 and;
  - Approve the Climate Action Plan
City Council Discussion