



Town Council Agenda Report

Date: June 8, 2021

To: Honorable Mayor and Town Council

Subject: 2019 CLIMATE ACTION PLAN UPDATE

From: Douglas Robertson, Town Manager

Submitted by: Daniel Alcayaga, Planning Manager
Planning

Budgeted Item: ☐ Yes ☐ No ☒ N/A

RECOMMENDED ACTION

Adopt Town Council Resolution No. 2021-16, approving the Town of Apple Valley 2019 Climate Action Plan Update.

SUMMARY

In accordance with the adopted Climate Action Plan (CAP), staff conducted the Plan's three (3) year review of the Greenhouse Gas Reduction measures to determine if the targets were being reached. This update is the third three (3) year update since the Plans adoption in 2010. Based on the review, minor implementation changes are proposed to the 2019 Measures to reflect the evolving needs and successes of Apple Valley's carbon dioxide (CO₂e) reduction efforts over the past three (3) years.

ANALYSIS:

The Climate Action Plan was adopted by the Town Council on July 13, 2010, and subsequently amended on December 14, 2010. The Plan was designed to be updated every three (3) years to respond to advances in technology, emerging policy reforms, and the Town's efforts to reduce greenhouse gas emissions. This update identifies the next steps for the reduction plan based on the progress of the past three (3) years. The updated Plan identifies which actions will continue, which will be dropped, as well as proposing new actions to be added.

The 2019 CAP update includes general information about greenhouse gases and climate change, a comparison of the 2010 and 2019 inventories, the 2030 emissions forecast under business-as-usual conditions, and updates to the proposed reduction measures

that will enable the Town to achieve the targeted reduction level, thereby doing its part to limit statewide greenhouse gas emissions that contribute to climate change.

Two greenhouse gas inventories were prepared as part of the CAP update: A Community Inventory and a Municipal Inventory. The intent of identifying Municipal GHG sources separately is to allow the Town to estimate and track GHGs resulting directly from municipal operations. “Town-wide” emissions are the combined total of Community and Municipal emissions and is the emission level assessed for compliance with State targets. The CAP focuses on two State reduction targets:

- 2020: 15% below 2005 CO₂e emission levels per Assembly Bill 32, the Global Warming Solutions Act (AB 32, 2006), and
- 2030: 40% below 2005 CO₂e emission levels per Senate Bill 32 (SB 32, 2016)

Based on the best currently available data from 2019, community-wide gas emissions illustrated a reduction, while municipal gas emissions increased. Overall, Town-wide emissions were reduced by 20% since the baseline inventory (2005) despite the population increasing by 16% and economic growth. This achievement is largely due to advancements in clean technology, vehicle emissions standards, and increased efficiencies in SCE electricity production.

The following table summarizes the Town’s reduction targets, including past, present and future GHG emission projections. As demonstrated below, the Town has exceeded the 2020 target of 15% below 2005 MTCO₂e emissions levels by 38,894 MTCO₂e. The next three (3) year review will be in 2022, which will again provide comparisons of data to determine if the Town is achieving the 2030 reduction targets.

Apple Valley CAP Reduction Targets
Tons CO₂e

Target/Scenario	Community	Municipal	Town-Wide	Population	Per Capita
2005 Baseline	746,774	2,138	748,912	63,754	11.75
2020: 15% Below Baseline Target	≈634,758	≈1,817	636,575	74,140	8.59
2020: 2019 GHG Inventory	594,395	3,407	597,681	74,140	8.06
2030: 40% Below Baseline Target	≈448,064	≈1,283	449,347	84,535	5.32
2030: 40% Below, Forecast BAU	≈530,203	≈2,900	533,103	84,535	6.31
2030: 40% Below, Forecast w/ CAP Measures	≈408,752	≈2,170	410,922	84,535	4.86

Based on the Climate Action Plan's review, minor implementation changes are proposed to the 2019 Measures to reflect the evolving needs and successes of Apple Valley's carbon dioxide (CO₂e) reduction efforts the past three (3) years. The 2019 CAP update complies with the California Air Resources Board (CARB) recommended reduction target.

Environmental Assessment:

Pursuant to the State Guidelines to Implement the California Environmental Quality Act (CEQA), the project is Exempt from further environmental review.

ATTACHMENTS:

Resolution No. 2021-16
2019 Climate Action Plan Update

RESOLUTION NO. 2021-16

**A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN
OF APPLE VALLEY, CALIFORNIA ADOPTING THE TOWN
OF APPLE VALLEY 2019 CLIMATE ACTION PLAN
UPDATE.**

WHEREAS, the Town of Apple Valley adopted its General Plan on August 11, 2009; and

WHEREAS, the Town of Apple Valley certified the General Plan Environmental Impact Report (SCH #2008091077) on August 11, 2009; and

WHEREAS, the Town of Apple Valley adopted the Climate Action Plan on July 13, 2010, and subsequently amended on December 14, 2010, and

WHEREAS, in accordance with the adopted Climate Action Plan, an update was prepared for the Plan's ninth (9) year review; and

WHEREAS, the General Plan Air Quality Element, Program 1.A.1 requires that the Town "adhere to existing and future greenhouse gas and global warming rules, regulations and requirements",

NOW, THEREFORE, BE IT RESOLVED, that in consideration of the evidence received and for the reasons discussed by the Town Council at said hearing, the Town Council of the Town of Apple Valley, California orders, determines and resolves as follows:

Section 1. The Town Council hereby approves and adopts the Town of Apple Valley 2019 Climate Action Plan update, appended to this Resolution as Exhibit A.

Approved and Adopted by the Town Council and signed by the Mayor and attested to by the Town Clerk this 8th day of June, 2021.

Honorable Curt Emick, Mayor

ATTEST:

Ms. La Vonda M. Pearson, Town Clerk