

**TOWN OF  
APPLE VALLEY, CALIFORNIA  
AGENDA MATTER**

**Subject Item:**

**TOWN OF APPLE VALLEY CLIMATE ACTION PLAN: A REQUEST TO ADD AN IMPLEMENTATION PLAN TO THE TOWN'S ADOPTED CLIMATE ACTION PLAN.**

**Summary Statement:**

On July 13, 2010, the Town Council adopted the Town's Climate Action Plan. The Plan did not include, at that time, an implementation program. The implementation program has been prepared, and is now ready for the Town Council's consideration.

**Background and Introduction**

The Town Council adopted the Apple Valley Climate Action Plan (CAP) on July 13, 2010. The CAP was required as a mitigation measure in the General Plan Environmental Impact Report (EIR), and was prepared and completed to be entirely consistent with the requirements of the mitigation measure. The CAP provides the Town with a "blueprint" to reduce greenhouse gases emitted by new and existing development, as well as by Town vehicles, buildings and facilities. The CAP is structured to meet the requirements of AB 32 and reduce greenhouse gas emissions in Apple Valley by at least 15% by 2020.

The Implementation Plan provides a detailed description of what the Town will be required to do to monitor its progress in reaching its greenhouse gas reduction targets. Most of the activities will involve tabulation of data which is already tracked for other purposes (particularly building permit data). These tabulations will be consolidated on an annual basis for both municipal activities and community activities. Every three years, starting in 2013, Town staff will conduct an update of the computer program, which quantifies the reductions in the CAP, to determine if the Town is on track to meet its reduction targets. Such updates will also give the Town the opportunity to change the priority of the reduction measures as suggested by the data collected.

(Continued on next page)

**Recommended Action:**

**Adopt** Town Council Resolution No. 2010-54, adding an Implementation Plan to the Town of Apple Valley Climate Action Plan.

**Proposed by:**           Planning Division           **Item Number** \_\_\_\_\_

**Town Manager Approval:** \_\_\_\_\_ **Budget Item**  Yes  No  N/A

**Summary Statement**  
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The Implementation Plan also provides for minor modifications to be made at the staff level, and major changes to be reviewed and approved by the Council.

The addition of the Implementation Plan will complete the Climate Action Plan process and allow the Town to implement reductions which will assist in meeting the Town's obligations for its share of the State-wide greenhouse gas reductions.

The Implementation Plan is attached to the Resolution for the Town Council's review. If approved by the Council, this section will be added to the approved Climate Action Plan.

Environmental Review

The Town reviewed this modification to the Climate Action Plan under the requirements of CEQA and determined that the Implementation Plan, as a component of a mitigation measure of the General Plan EIR, has been considered in that document, and represents a beneficial impact on the environment. No additional environmental review under CEQA is required.

**Attachments:**

1. Town Council Resolution No.

**TOWN COUNCIL RESOLUTION No. 2010- 54**

**A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF APPLE VALLEY, CALIFORNIA, ADDING AN IMPLEMENTATION PLAN TO THE TOWN OF APPLE VALLEY CLIMATE ACTION PLAN**

**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 Council directed that a Climate Action Plan be prepared to conform to the requirements of the General Plan EIR and California law; and

**WHEREAS**, on June 11, 2010, the Town Council public hearing for the adoption of the Town of Apple Valley Climate Action Plan was duly noticed in the Apple Valley News, a newspaper of general circulation within the Town of Apple Valley; and

**WHEREAS**, the Climate Action Plan is consistent with the General Plan, insofar as it implements its policies and programs relating to the reduction of greenhouse gas emissions; 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”; and

**WHEREAS**, The Town Council conducted duly noticed public hearings on June 22 and July 13, 2010, heard all testimony of any person wishing to speak on the issue, and adopted Resolution 2010-30, approving the Climate Action Plan; and

**WHEREAS**, on December 14, 2010, the Town Council considered the addition of an Implementation Plan for the Town of Apple Valley Climate Action Plan.

**NOW, THEREFORE, BE IT RESOLVED** that, in consideration of the evidence received at the public hearing, 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 Implementation Plan for the Town of Apple Valley Climate Action Plan appended to this Resolution as Exhibit A.

**Section 2.** Effective Date. This Resolution shall become effective immediately upon adoption by the Town Council of the Town of Apple Valley.

Adopted by the Town Council and signed by the Mayor and attested to by the Town Clerk this 14<sup>th</sup> day of December, 2010.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
Ms. La Vonda M. Pearson, Town Clerk

**Exhibit A**  
**Implementation for the Apple Valley Climate Action Plan**

**V. IMPLEMENTATION AND ADMINISTRATION**

**A. Introduction**

This section addresses the steps required by the Town to maintain and update the Climate Action Plan over time. The estimates of potential CO<sub>2</sub>e savings provided in Section IV will need to be tracked to assure that the Town is meeting its targeted reductions. Since this document assumes certain growth and participation factors which may, or may not, prove to be accurate, the activities described below will enable the Town to record the actual progress made in achieving reduction targets.

As with the reduction measures, implementation and administration activities associated with the tracking of the Town's progress will be divided between municipal activities and community activities. The Town has greatest control over those measures it can implement itself. Those are also the measures which will be easiest to track. Community activities can be tracked by establishing an information gathering network with local businesses, agencies, and utility providers. A wide range of monitoring options are described below.

**B. Implementation and Administration**

**Annual Activities**

Implementation of this CAP will occur at many levels. Monitoring the Town's CO<sub>2</sub>e reductions will require annual reporting. The activities required to accomplish this reporting effort are detailed below. The annual reports from all departments are to be forwarded to the Planning Division of the Economic and Community Development Department, which will be responsible for the maintenance of the Town's database for this effort.

Municipal Activities

1. Tabulate the number of new trees planted, and existing trees removed in Town parks, parkways and other open space (Parks and Recreation Department).
2. Establish a liaison with School District to accomplish the following:
  - a. Implement an "adopt a tree" program in Town (Apple Valley Unified School District) schools for the planting and maintenance of trees on school grounds and in Town parks. Tabulate number of trees planted as a result.
  - b. Tabulate the use of CNG or other alternative fuel school buses used by the Apple Valley Unified School District.  
(Town Manager's Office)
3. Establish and implement a quarterly Greenhouse Gas Reduction class for Town residents and businesses (Parks and Recreation Department).

4. Tabulate the number of intersections at which traffic signals have been synchronized (Engineering Division).
5. Tabulate the new trails, bikeways and sidewalks constructed in linear miles (Engineering Division).
6. Tabulate the number of gasoline and diesel vehicles removed, and the hybrid or electric vehicles added to the Town's vehicle fleet. A minimum of 50% of the Town's new vehicle purchases shall be hybrid or alternative fuel vehicles, beginning in 2011 (Finance Department).
7. Should Victor Valley Transit purchase CNG or other alternative fuel buses and vans, maintain an inventory of those vehicles used in Apple Valley (Environmental Regulatory Compliance Manager).
8. Require reporting of carpool, vanpool and other Transportation Demand Management activities from all businesses subject to the Transportation Demand Management Ordinance in vehicle trips reduced (Planning Division).
9. Tabulate the carpooling, vanpooling and other activities of Town employee programs in vehicle trips reduced (Planning Division).
10. Tabulate the new Energy Star rated appliances, and CFL or LED light bulbs installed at Town facilities (Building and Safety Division).
11. Tabulate water use at Town facilities (Finance Department).
12. Tabulate electric usage at Town facilities (Finance Department).
13. Tabulate natural gas usage at Town facilities (Finance Department).
14. Tabulate propane usage (if any) for Town equipment or facilities (Finance Department).

#### Community Activities

1. Tabulate the number of new units constructed at a density of 15 units or more per acre (Building and Safety Division).
2. Tabulate the number of new units constructed on infill lots on Bear Valley Road and Highway 18 (Building and Safety Division).
3. Tabulate the number of new residential units by type (single family, multi-family), and the square footage of commercial and industrial development constructed (Building and Safety Division).
4. Tabulate the number of Energy Star appliances, high efficiency water heaters, pool pumps and pool heaters installed in new residential units (Building and Safety Division).
5. Tabulate all alternative energy installations on residential, commercial or industrial buildings (new or additions) (Building and Safety Division).
6. Establish a liaison with Southern California Edison and Southwest Gas to:
  - a. Collect data on Energy Star appliances, high efficiency pool pumps and other appliances and fixtures replaced in Apple Valley under a rebate or other incentive program (Planning Division).
7. Tabulate any and all Energy Star appliances installed through a Town-operated rebate program (Town Manager's Office).
8. Establish a liaison with the Department of Motor Vehicles to:
  - a. Collect data on the number of hybrid or alternative fuel vehicles registered in Town. (Planning Division)

9. Establish a liaison with Town home improvement stores (Home Depot, Lowe's, True Value and others) to:
  - a. Collect data on the number of Energy Star or high efficiency appliances, water heaters, pool pumps and heaters, or solar heating systems purchased by residents and businesses (Planning Division).
10. Track buildings constructed that exceed Title 24 Building Code standards, include percentage exceeded (Building and Safety Division).
11. Track buildings constructed to LEED, by certification level (Building and Safety Division).
12. Track homes constructed to Green Building standards (Building and Safety Division).
13. Track solid waste and recycling tonnage generated by Town residents and businesses (Environmental Regulatory Compliance Manager).
14. Track the use of B20 or other biodiesel fuel in construction equipment (Engineering Division, Planning Division).

The annual reports prepared by Town departments and division will be the basis for the Town's GHG Reduction Database. This database will cumulatively record the annual reports.

This database must also include an annual reporting of new units constructed increases/decreases to the and Town population (Department of Finance annual report). The database will calculate the actual growth in Town, to be used to compare to the growth assumptions used in this document. As less growth will result in lower greenhouse gas emissions, population growth is an important component of the implementation program.

### **Activities Conducted Every Three Years**

Every three years, starting in 2013, the Town will run its Greenhouse Gas Reduction Measures through the program prepared for this document, to determine if its targets are being reached. After each run of the program, Town staff will determine which measures, if any must be modified to reach the Town's reduction targets. The first update will also be an opportunity for refinement of the baseline analysis if new information is gathered regarding current conditions (see discussion of potential refinements to the data below).

The analysis for each update must be conducted based on known actual activities and known actual growth rates to be effective. This document assumes a steady annual rate of growth over the life of the program. In the last three years, however, growth in Town has been significantly less than anticipated due to economic and market conditions. A lower growth rate will be reflected in greenhouse gas emissions which are less than those anticipated in the model. Conversely, should the Town experience an economic boom in the future, that increased growth should be reflected in the CAP update undertaken at that time. By establishing and maintaining an annual reporting program, the Town can be assured that the data required to conduct the update is available at the time it is needed and in one database (as described above).

This effort will also require the preparation of a GHG inventory, similar to the one provided in this report, but for the reporting year. The components of the inventory, and the information needed to complete it, are detailed below.

### *Municipal Activities and Accounts*

#### Electricity

The Town should maintain a list for easy reference of all existing account numbers and account types currently held with SCE that can be updated when new accounts are opened or when existing accounts are closed. This will be implemented through the tracking of usage for Town facilities described above.

#### Natural Gas

The Town should maintain a list for easy reference of all existing account numbers and account types currently held with Southwest Gas that can be updated periodically when new accounts are opened or when existing accounts are closed. This will be implemented through the tracking of usage for Town facilities described above.

#### Propane

The Town should maintain a list, for easy reference, of all quantities of propane purchased for municipal use. This will be implemented through the tracking of usage for Town facilities described above.

#### Transportation

To be consistent with the Community-wide analysis, it was assumed that, on average, Town employees travel 23 miles to work. A polling of employees during reporting years should be conducted to establish the actual commute trip length and vehicle type utilized at the time of each inventory update. The actual number should be input into the model when updates are conducted.

#### Solid Waste

For purposes of the CAP, it was assumed that Municipal waste generation was consistent with the Community-wide waste generation rate on a per person basis. That is, each employee generates an equivalent amount of waste as a resident. The Town's actual solid waste contribution should be surveyed for total tonnage as well as waste type. Town staff should coordinate with the Town's solid waste hauler to develop a tracking system for annual reporting.

### *Community Based Activities and Accounts*

#### Electricity

Southern California Edison (SCE) provided annual electricity usage per rate group, including the number of accounts for the inventory in this document. SCE's rate groups are independently defined -- that is there is no direct nexus between residential, commercial, and industrial as defined by SCE, Apple Valley's General Plan, and other utilities. SCE's Business Customer Division Rate & Data Analysis, has indicated that SCE is working to redefine rate groups in

order to be able to provide electricity usage reports by sector. A coordinated effort to similarly define rate groups and sectors would assure that similar users are properly grouped together for future inventories.

#### Natural Gas

While Southwest Gas provided customer categories that include residential, commercial, and industrial sectors, more specific information on account type -- such as defining customer categories -- would confirm consistency with the General Plan's and other utilities' definitions of these sectors.

#### Propane

For the purpose of the original inventory, propane usage was estimated by taking the difference between the total number of households, (22,455 as reported by DOF) and the average number of residential customer accounts, (22,527 as reported by Southwest Gas). More refined propane usage could be obtained by surveying local and regional propane suppliers. The same tabulation will be required in subsequent inventory years.

#### Transportation

The CAP uses the General Plan's traffic analysis for community wide traffic count data. Some mobile sources, such as Victor Valley Transit, AV Unified School District and others, can be refined with actual vehicle miles traveled, vehicle type, and fuel use. For future inventory years, base year traffic will be increased by actual growth data, to reflect an accurate growth in vehicle trips. This estimate should be compared to Town Engineer trip counts to assure consistency.

#### Solid Waste

Actual tonnage by type of waste for the following categories would yield more precise data and would determine which types of waste reduction programs would be most effective: Paper products, plant debris, food waste, wood/textiles. Should this data not be available for future inventories, tonnage provided by the Town's waste hauler will be required.

### **Modification of the CAP**

If the analysis during any given update cycle shows that the reduction measures must be amended to achieve the stated targets, such an amendment shall be completed by staff during the same year as the update was undertaken. The amended reduction measure assumptions shall be appended to this document, and disseminated to Town staff for implementation. If the amended measures result in an increase of less than 20% in activity (percentage increase over the reduction measure in this document), the change shall not require adoption by the Town Council. If, however, a reduction strategy requires an increase of 21% or more in a reduction strategy, the amended CAP shall be considered by the Town Council and adopted by Resolution.