

<i>SUSTAINABLE FLEET</i>	POLICY	
	Document Number:	CMA-EV-PL-7130
	Version Number:	02

1.0 Purpose:

To document the process of purchasing and maintaining VTA's vehicle fleets, which consists of both revenue and non-revenue vehicles, in a manner that reduces fuel consumption, minimizes air pollutants, decreases greenhouse gas emissions, and considers life-cycle economics.

2.0 Scope:

This policy applies to VTA revenue and non-revenue vehicles, excluding light rail vehicles and specialized service vehicles. Exempt specialized service vehicles shall be identified in the vehicle inventory.

3.0 Responsibilities:

VTA shall make every effort to purchase vehicles with the lowest fuel consumption and emissions possible, while taking into account the vehicle's life-cycle costs and the ability to support VTA operations and services.

The Operations Manager for Engineering Maintenance Support Services and the Procurement, Contracts & Materials Manager are responsible to ensure that all vehicles purchased meet minimum miles per gallon equivalent (MPGe) ratings when possible.

The Green Fleet Team is responsible for establishing realistic sustainability goals for VTA revenue, non-revenue and paratransit vehicles. See Green Team for the recommended composition of the Green Team.

Minimum ratings are listed below, and should be exceeded when possible. Minimum MPGe ratings must be revisited by the Green Fleet Team every three years, beginning in spring 2018.

Goals for the zero emission vehicle (ZEV) portion of the VTA fleet are below. Hybrid electric vehicles count at half credit towards the ZEV goal.

Goal	Revenue Fleet	Non-revenue Fleet	Paratransit Fleet
Minimum MPGe	5.5 ¹	45 ²	N/A
ZEV % of fleet by 2025	50% ³	35%	35%
Approx. # of Vehicles that need to be replaced (ZEV/Hybrid)	44/88	81/162	58/117
¹ Applicable primarily to 40 ft standard buses, and not to articulated buses. Current diesel-hybrid buses in the fleet average 5.5 MPGe. ² Excludes service trucks used by VTA Maintenance crews. ³ ZEVs in the revenue fleet do not need to meet California Air Resources Board definition of ZEV.			

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The above MPGe ratings shall be evaluated using information published by the Environmental Protection Agency, National Highway Traffic Safety Administration, and the U.S. Department of Energy, or from the manufacturer. Hybrid and alternative-fuel options must be considered for all vehicle purchases. Requirements published by the California Air Resources Board (CARB) should be considered, when applicable (<http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>).

Fleet Maintenance

Maintenance responsibilities shall include the following.

- All vehicles shall be inspected and emissions tested consistent with State of California guidelines. If the vehicle fails to pass inspection, the necessary emission related repairs shall be made to make the vehicle/equipment compliant. Should a vehicle not comply with its certified emission standard, it shall be removed from the fleet.
- Ecologically sound products, such as coolants and re-refined oils, shall be used when available, cost effective, and if they meet manufacturer requirements and do not void the manufacturer's warranty. The products shall meet all applicable regulations.
- Re-treaded tires shall be purchased for large-wheeled or slow-moving vehicles, when applicable and only when safe to use for the application.

Green Fleet Team

The Green Fleet Team shall include representation from Engineering Maintenance Support Services, Facilities Maintenance, Regional Transportation Services, Safety & Security, Procurement, Contracts & Materials, Grants, Fiscal Resources, and Environmental Programs. The function of this Team shall be to develop and monitor policies and procedures related to the purchase of VTA vehicles and sustainable maintenance products and services to achieve the goals and objectives of this policy. The Team shall report findings and progress annually to the Chief Operating Officer, beginning in the fall of 2016.

Funding

A life-cycle cost analysis shall be performed prior to purchasing fleet replacements or additions. It will include fuel, maintenance, and operation costs over the projected life of a vehicle. Funding from outside sources such as Regional, State, and Federal grants should also be pursued to assist in the offset of the incremental costs of "green" vehicles.

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Fleet Inventory

VTa shall establish and maintain a complete inventory of the vehicles in its fleet for the purposes of this Policy. This inventory shall include number of fleet vehicles by make, model, and year. This inventory is critical if goals are to be set and success is to be measured for the fleet.

The baseline year for the inventory and for the Green Fleet Policy is Calendar Year 2011. The Green Fleet Team shall develop this baseline inventory. Operations shall thereafter provide updated inventory information on an annual basis, in a reliable and verifiable manner, to the Green Fleet Team.

The baseline inventory metrics shall include for each vehicle class and fuel or energy type the following information:

1. Number of vehicles by make, model, and year
2. Vehicle type (passenger, service truck, van, community bus, standard bus, express bus, articulated bus)
3. Mileage for calendar year
4. Fuel consumption (available for revenue fleet only)
5. Fuel type (diesel, biodiesel, gasoline, electric)
6. Emissions Status (ZEV, hybrid, none)

The inventory shall include total mileage, fuel consumption, criteria air pollutant and greenhouse gas emissions for the year.

4.0 Policy:

This policy serves as written communication of VTA's intent to implement environmentally sustainable vehicle-purchasing and maintenance decisions to reduce the production of greenhouse gases and criteria air pollutants. Through implementation of this policy, VTA shall aim to decrease fuel consumption by 2% and greenhouse gases by 2% by 2020, when compared to 2011, to meet VTA's sustainability goals and its APTA Sustainability Commitment. Current

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and future emissions targets will be developed and evaluated within the context of VTA's overall greenhouse gas reduction strategies.

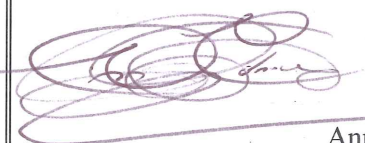


5.0 Definitions:

For the purposes of this policy, *sustainable* refers to the ability to meet the needs of the present without compromising the ability of future generations to meet their own needs. *Criteria air pollutants* refer to ozone, carbon monoxide, sulfur dioxide, nitrogen oxides, particulate matter, and lead. *ZEV* refers to a vehicle that emits no tailpipe pollutants from the onboard source of power. Examples include battery electric vehicles and fuel cell vehicles powered by hydrogen. *Green vehicle* refers to any vehicle that meets the goals and requirements outlined in this policy.

6.0 Summary of Changes:

Revision of minimum MPGe requirements, addition of ZEV goals for revenue and paratransit fleet, revision of baseline reporting year, revision of fleet inventory metrics, and addition of definitions.

7.0 Approval Information:

<i>Prepared by</i>	<i>Reviewed by</i>	<i>Approved by</i>
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Date Approved: 9/21/16