



2013 - 2014

ANNUAL REPORT



ALAMEDA COUNTY TRANSPORTATION SERVICES

Transportation Services Annual Report – FY 2013/14

Welcome to Alameda County, Transportation Services second annual sustainability report. This report continues our commitment to environmental stewardship, transparency, and metrics oriented planning, while communicating progress to our Climate Action goals.

Over the past year, we have modernized our facilities to accommodate increased bicycle usage by employees and visitors to our offices. Many buildings lacked adequate bicycle racks. As a result, we added over 70 bicycle racks at 12 buildings and added the first fully-equipped and secured **bicycle parking** location for employee commuters. We also started an internal bike share for employee on-the-job travel, which we will be expanding in the next year.

We continued to lead regional collaborative fleet management initiatives. We made significant progress in the **Local Government EV Fleet Demonstration Project**, procuring 90 all-electric vehicles for 10 Bay Area public agencies in an effort led by Alameda County. We are also participating in a collaborative fuel procurement, which includes alternatives fuels such as biodiesel blends.

Thank you for your interest in our efforts to improve the environmental footprint of our fleet and to provide our employees and visitors with sustainable mobility options. We look forward to learning from you and other partners as we share our experiences.



A stylized, handwritten signature in black ink that reads "Doug Bond".

Doug Bond, Transportation Services Manager
Alameda County General Services Agency



A handwritten signature in black ink that reads "Phillip Kobernick".

Phillip Kobernick, Sustainability Project Manager
Alameda County General Services Agency

Lead Author: Phillip Kobernick
Design: Erica Tan

TRANSPORTATION SERVICES OVERVIEW

MOTOR VEHICLE DIVISION

The Motor Vehicle Division operates the County's fleet, the main mechanism for business travel. The fleet includes shared pool vehicles that are available to employees and agency-specific vehicles that are utilized to provide social services, health inspections, and law enforcement.



Vy Le and Kevin Barbaro, mechanics at the Dublin Motor Shop.

FLEET FACTS:

1,100

FLEET VEHICLES,

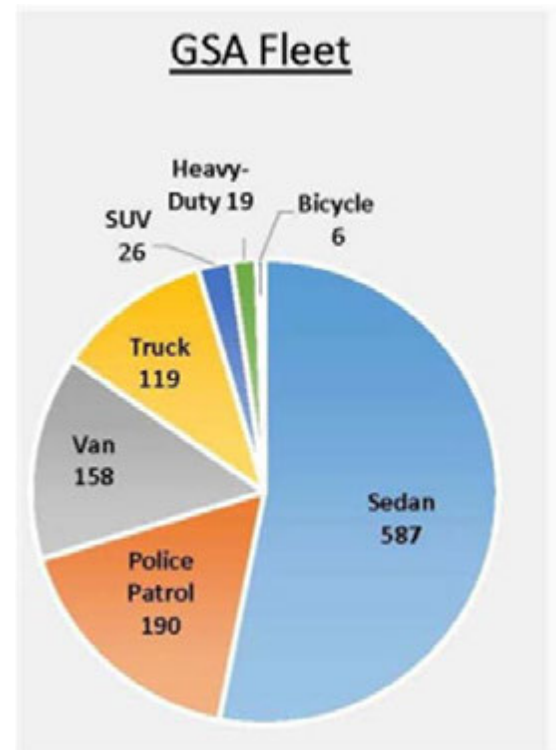
PRIMARILY LIGHT-DUTY SEDANS AND LAW-

ENFORCEMENT

26%

FLEET VEHICLES THAT ARE GREEN,

OF ALL NON-POLICE PURSUIT FLEET



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BUSINESS TRAVEL ALTERNATIVES

To reduce the County’s transportation impact, Transportation Services, in a collaborative project with the Auditor-Controller office, is leading the County’s business travel alternative initiative. This initiative produced a streamlined way for employees to check out Clipper Cards, the local inter-agency transit card, to encourage public transportation use for business travel and reduce the use of vehicles.

CLEAN COMMUTE PROGRAM



To address the County’s largest climate impact, employee commutes, Transportation Services launched the Clean Commute Program to encourage employees to try alternative transit modes rather than driving alone to work. Employees can now find carpools via an online carpool matching service and are now connected to regional transit through County-operated shuttles.



GSA staff promoting carpooling.



All-electric truck used by Messenger Services.

PARKING DIVISION

Another important division within Transportation Services is the Parking Division, which oversees 15 County-owned parking garages and lots and provides free parking to carpoolers of two or more to promote clean commuting.

MESSENGER SERVICES

GSA Transportation Services also operates the Messenger Service, an intra-County mail delivery system. The Messenger Service delivers most mail to County locations the same or next day. They also collect and transport batteries for proper recycling.

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KEY FOCUS AREAS

COMMUTING

Transportation Services is committed to advancing the goals of Alameda County’s Climate Action Plan for Government Services and Operations (CAP). The slideshow below highlights the department’s sustainability strategies, as well past and future actions related to the Climate Action Plan. To read the full CAP, visit <http://www.acgov.org/sustain/next/plan.htm>.

- Significant progress taken/on target for goals
- Opportunity for improvement
- Significant work still needed

Strategy	Actions Taken	Upcoming Actions	CAP Item
Increase the infrastructure available to facilitate biking and walking as viable options for accessing County facilities	Created new secure parking for bike commuters (“AlcoBike”) and installed over 60 bike racks for visitors at 12+ County locations	Adding additional secure bike parking options for commuters at Hayward offices	T-2
Develop comprehensive employee education and outreach strategy on commute alternatives	Carpool matching service provided through Zimride; Clean Commute Fairs organized for employees; Commuter of the Month recognition; regular competitions and incentives for clean commuting; internal “Clean Commute Champs” network of employees to assist in outreach	Ongoing events and engagement around clean commuting	T-3, T-4, T-8
Develop and promote shuttles to connect major County facilities with transit systems	Three shuttles connect County facilities in Oakland, San Leandro, and Hayward to nearby BART stations	Expansion of shuttle service to Embarcadero Cove offices in Oakland in 2015	T-6
Promote bicycling/walking as alternatives to single-occupancy vehicle travel to/from County facilities	Launched new bicycle fleet checkout for employees to use for work travel, annual participation in Bike to Work Day	Expanding bike fleet options to other County offices	T-1
Adjust parking policies to de-emphasize single-occupancy vehicle commutes	Free parking provided for carpools of two or more people in multiple locations	Preferential carpool parking integrated into new buildings	T-7
Implement and promote a comprehensive Countywide flexible work program to achieve 20% employee participation within 5 years	Draft Alternative Work Arrangement Guidelines and training videos created by Cross-Agency Climate Team	Flex work components such as “hoteling” are being integrated into future County buildings	T-5, T-10, T-12
Develop a fee-based car-share program that allows personal use of County fleet vehicles for errands or carpooling	Discounted Zipcar membership available to employees	Vanpool pilot planned for 2015 that will use County vehicles for commuting with employee contribution	T-11

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KEY FOCUS AREAS

GREEN FLEET

- Significant progress taken/on target for goals
- Opportunity for improvement
- Significant work still needed

Strategy	Actions Taken	Upcoming Actions	CAP Item
Utilize "right-sizing" to promote efficiencies and minimize emissions	Minimum utilization levels set and larger vehicles (SUV, etc.) need justification to be purchased	Ongoing effort when vehicles are replaced annually	T-13
Implement advanced fleet management technologies to measure and improve fleet efficiency	New fuel system and GPS improve data collection ability; online vehicle reservations promote better vehicle utilization	Additional GPS units are being phased in until all fleet vehicles are equipped; expansion of online vehicle reservations in 2015	T-14
Adopt operational maintenance best practices to promote vehicle efficiency	The Motor Vehicle Department conducts regular preventive maintenance to keep vehicles running safely and efficiently; all motor shops are Blue Seal certified	Transportation Services is testing reusable oil filters to reduce waste	T-17
Promote alternative modes for business travel	Employees can now check out transit cards for business travel; web conferencing is being rolled out	Expansion and improvement of transit card pilot	T-15
Expand the use of high-efficiency and advanced-fuel vehicles in all County fleets	Over 25 new all-electric vehicles incorporated into County fleet in the last year	Conventional vehicles continuously phased out each year for hybrids, EVs, etc.	T-16
Reduce emissions from idling	County policy dictates no idling unless necessary; pilot project with Sheriff's office tested anti-idle battery equipment	Expansion and improvement of anti-idle technology for law enforcement	T-18
Minimize use of personal vehicles for County business	The County is now tracking miles travelled in personal vehicles and have included it as a key performance indicator	Expansion of online vehicle reservations will improve accessibility of fleet vehicles and minimize need for personal vehicles	T-19, T-15-16
Develop enhanced driver training classes on safety, efficiency, and advanced-fuel vehicles	Conducted additional EV ride/drive trainings to introduce fleet EVs to employees; tested "eco-meters" to promote efficient driving	Additional trainings on maximizing fuel efficiency when driving conventional and EVs planned	T-20

DRIVING SUSTAINABILITY IN FY 2013/14

Embracing Electric Vehicles -Alameda County is leading the Local Government EV Fleet Demonstration project, a collaboration of 10 Bay Area public agencies and the Bay Area Climate Collaborative, to purchase 90 EVs and charging stations for local fleets. The County led the largest municipal purchase of EVs in the County, achieving competitive pricing for the Nissan Leaf, Ford Focus EV, and Zenith electric cargo van.



Improving Bicycle Infrastructure - Making County facilities more conducive for bicyclists was a major focus in the past year. Through funding from the Air District, we added over 75 bicycle racks at a dozen County facilities, including 6 libraries. To address shortages of secure parking options for bicycles, GSA, in collaboration with the Alameda County Arts Commission, converted an unused area of a parking garage into a secure location for employee bicycle commuters (called "[AlcoBike](#)").



Creating a New Bicycle Fleet - The last year saw the newest addition into the County fleet, bicycles. Six new bicycles were added to the County vehicle pool for employees to use for on the job travel and plans are underway for internal expansion.



Clean Commute Champions - To help spread the word on clean commuting, GSA created a new network of Clean Commute Champions, who serve as a resource for their colleagues and encourage the use of alternative commute modes. The "Champs" helped on-board new employees and promote the County's participation in the [Great Race for Clean Air](#).

Great Race for Clean Air - Last year, Alameda County participated in the [Great Race for Clean Air](#), a regional competition among Bay Area employers, organized by [511](#) and the [Bay Area Air Quality Management District](#). Hundreds of employees participated and the County [earned 1st place](#) in overall CO2 emissions reductions.



THE HORIZON



Reducing Grid Pressure From EVs

With the expansion of EVs in Alameda County’s fleet to over 50 vehicles, the AlcoPark operations center has doubled in energy demand. To mitigate the expense of additional electrical loads, the County is exploring options that reduce demand from charging stations and exploring the use of battery systems that store energy and reduce stress on the grid.

Expanding Online Vehicle Reservations

Transportation Services is making it easier for County employees to access fleet vehicles by expanding online vehicle reservations for County departments and agencies. Reducing the need for personal vehicle use saves the County from reimbursement processing and also supports clean commuting.

Expanding Commuter Engagement

The Clean Commute Champions campaign was a successful utilization of highly motivated employees to help spread the word on clean commuting resources and initiatives to their colleagues. The program will be expanded to more departments and agencies in the coming year.

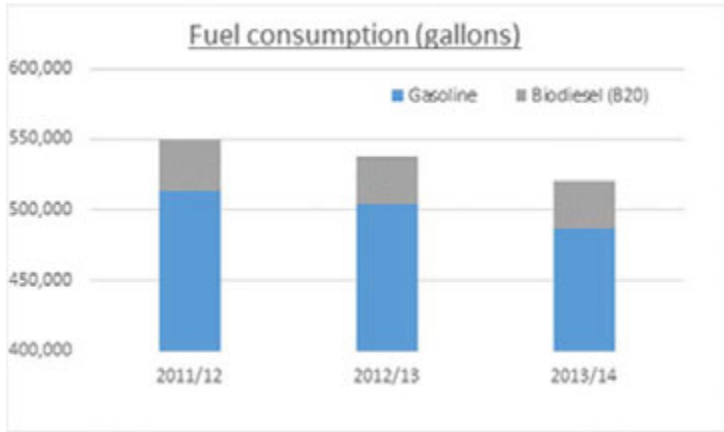
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TRACKING PROGRESS

Making progress begins with measurement and tracking. Below is a summary of the key performance indicators that we use to track progress.

37,000. Gallons of gasoline saved over the past two years through efficient and electric vehicles.

22 MPG. The average fuel efficiency of all vehicles, excluding law-enforcement.



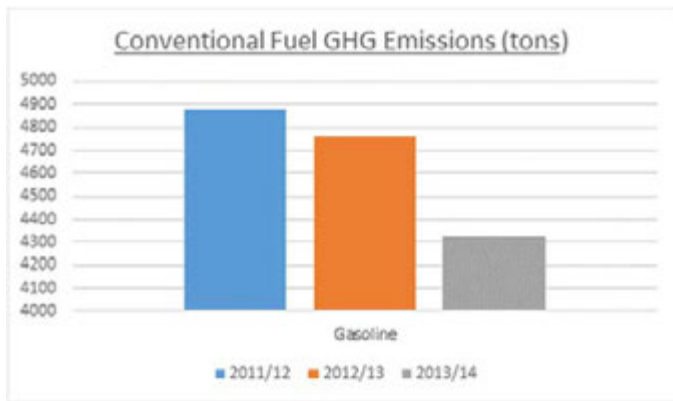
	<u>FY 2011/2012</u>	<u>FY 2012/2013</u>	<u>FY 2013/14</u>
Gasoline	513,346	503,823	486,659
Biodiesel (B20)	36,19	33,823	34,279



FY 2012/13 **FYI 2013/14**

Fleet Vehicles	8,595,158	8,398,571
Personal Vehicles	2,034,036†	1,938,484

† Estimated. Alameda County began tracking this specific metric in January 2013.



GHG emissions (tons) **FY 2013/14**
4,326**

** Based on total gasoline consumption and EPA's Simplified GHG Emissions Calculator. Future years will incorporate additional fuels such as electricity.



	<u>FY 2011/12</u>	<u>FY 2012/13</u>	<u>FY 2013/14</u>
Tires	495	418	453
Vehicle Batteries	103	104	108
Motor Oil (gallons)	1430	1451	1564

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ACHIEVEMENTS

2014

BAY AREA ELECTRIC VEHICLE READINESS AWARD,
Large Community, Bay Area Climate Collaborative and Silicon Valley
Leadership Group

2014

100 BEST FLEETS IN NORTH AMERICA,
Governing Magazine

2013/2012/2011/2010/2009

100 BEST FLEETS IN NORTH AMERICA,
Government Fleet Magazine

2014/2013/2012/2011/2010/2009

TOP 40 GOVERNMENT GREEN FLEET,
Green Fleet Magazine

2014/2013/2012/2011

SUSTAINABILITY ALL-STAR,
Green Fleet Magazine
Transportation Services Manager, Doug Bond

2014 1ST PLACE OVERALL CO2 EMISSIONS REDUCTIONS,
Great Race for Clean Air

HAVE A QUESTION OR SUGGESTION? CONTACT US!

Sustainable.transportation@acgov.org