

Executive Summary

SamTrans' first sustainability report was released in 2017, since then SamTrans has continued to make significant strides toward fulfilling its vision to be a sustainable, equitable mobility leader. SamTrans' Sustainability Report is an evaluation of the agency's sustainability performance across all resource use. Table 1 summarizes SamTrans' performance since the last report. **SamTrans' commitment to sustainability and adopting best practices in resource management has enabled the agency to reduce generated greenhouse gas (GHG) emissions by 9% over the last two years.**

SamTrans has steadily improved environmental sustainability performance through a number of initiatives. First, in 2016, SamTrans enrolled in California's Community Choice Energy (CCE) program and, in 2017, voted to source 100% of the District's energy from renewable sources through the CCE program. Second, SamTrans continues to increase the efficiency of light fixtures and other electric appliances at all facilities and has **reduced electricity usage by approximately 5% across all facilities.**

Diesel use by revenue and non-revenue vehicles has also decreased over the last two years. Since 2016, the District has reduced diesel usage by 6.5%. This reduction, which exceeds a slight reduction in the agency's total vehicle miles (VM) over the same period, has helped **the agency achieve a 14% reduction in generated criteria air pollutants (CAPs) over the last two years.**

SamTrans introduced composting service at the Central office in 2015, and in 2017 introduced the program to the North Base, South Base and Brewster facilities. At the same time, SamTrans upgraded waste bins and signage. **The initiative has helped to increase SamTrans' diversion rate by more than 20 percentage points.**

SamTrans Vision: The District is a mobility leader, providing transportation choices and a sustainable future that meets the needs of our diverse communities.

However, as with most other transit agencies in the United States today, SamTrans has struggled with declining ridership due to various factors. This has resulted in nearly a 27% reduction in displaced GHG emissions. Recently launched initiatives like *Reimagine SamTrans*, a Comprehensive Operational Analysis (COA) funded through Measure W, will help the agency to meet the challenges presented by a new mobility landscape.

In April of 2018, the District's continued achievements in sustainability were recognized with Silver level recognition by the American Public Transportation Association.



Table 1: SamTrans Sustainability Performance Summary FY2016 to FY2018

Indicator	Unit	2016	2017	2018	FY16 to FY18 Change
Greenhouse Gas Emissions					
Generated	MTCO ₂ e	31,015	30,904	28,231	-9.0%
Displaced/Avoided	MTCO ₂ e	-9,328	-7,593	-6,854	-26.5%
Net Total ¹	MTCO ₂ e	21,687	23,310	21,377	-1.4%
Criteria Air Pollutant Emissions					
Generated	Tons	278	270	239	-14.0%
Displaced/Avoided	Tons	-53	-40	-33	-38.3%
Net Total	Tons	224	230	206	-8.2%
Facility Energy Use					
Electricity	kWh	4,852,145	4,737,782	4,611,709	-5.0%
Natural Gas	Therms	53,774	104,146	106,880	98.8%
Total Facility Energy Use	kBTU	21,932,295	26,578,096	26,421,252	20.5%
Revenue and Non-Revenue Fleet Vehicle Energy Use					
Diesel	Gallons	2,377,099	2,444,632	2,223,337	-6.5%
Gasoline	Gallons	312,435	313,628	321,482	2.9%
CNG	GGE	0	1,062	4,039	-
Biodiesel	Gallons	0	2,572	6,391	-
Non-Revenue Fleet Energy Use	kBTU	3,586,612	2,881,818	4,541,876	26.6%
Total Vehicle Energy Use	kBTU	367,320,427	377,231,174	348,439,963	-5.1%
Revenue Fleet Operations²					
Vehicle Miles	Miles	12,084,554	11,949,953	11,662,722	-3.5%
Vehicle Revenue Miles	Miles	8,873,571	8,843,046	8,723,007	-1.7%
Ridership					
Service Population	People	737,100	737,100	777,905	1.3%
Passenger Miles Traveled	Miles	64,091,394	53,538,672	49,520,038	-22.7%
Boardings	Trips	13,440,131	12,449,750	11,716,602	-12.8%
Employee Commute					
Vehicle Miles Traveled	Miles	4,842,125	3,415,751	3,404,480	-29.7%
Waste and Recycling					
Generated	Tons	977	1,189	1,189	21.8%
Diverted	Percent or Percentage Points	31%	52%	52%	21 p.p. ³
Water					
Consumed	Gallons	5,564,372	6,008,690	6,895,812	23.9%

Notes: Totals may not sum due to rounding.

¹Net GHG emissions equal SamTrans' generated emissions minus emissions displaced by SamTrans

²Vehicle Miles, Vehicle Revenue Miles, Passenger Miles Traveled and Boardings exclude taxi/purchased demand services, which are not under SamTrans' operational control

³p.p. = percentage points