

Street Sweeper Purchase

Project Number	01.01.01.0169		
Action Priority	Reduce Stormwater Pollution From: Roads and Highways, Forest Roads, Public and Private Parcels		
Implementers	City of South Lake Tahoe		
Supporting Agencies	Unknown or unspecified		
Primary Contact	Stephen Anderjack (sanderjack@cityofslt.us)		
Stage	Terminated	Duration	2015 - 2017
Total Project Cost	\$596,000	Funding Request	\$0

Stormwater Management Program > Reduce Stormwater Pollution From: Roads and Highways, Forest Roads, Public and Private Parcels

Purchase two (2) new Elgin Eagle PM-10 Sweepers to replace two (2) existing Tymco Sweepers that were purchased in 2008 and have exceeded Lifespan. The City of South Lake Tahoe utilizes three (3) street sweepers to remove sediment and debris from approx 259 lane miles of City roads and trails. The City purchased two Tymco PM-10 sweepers in 2008 through a combination of TRPA AQ & WQ Mitigation funds and City General Funds. The Tymco's have reached the end of usable life span (Typically 5-7 years for most agencies). The wear on internal operating parts has become severe and repair costs in both parts and labor dictate replacement is warranted.

No Key Photo provided for this Project

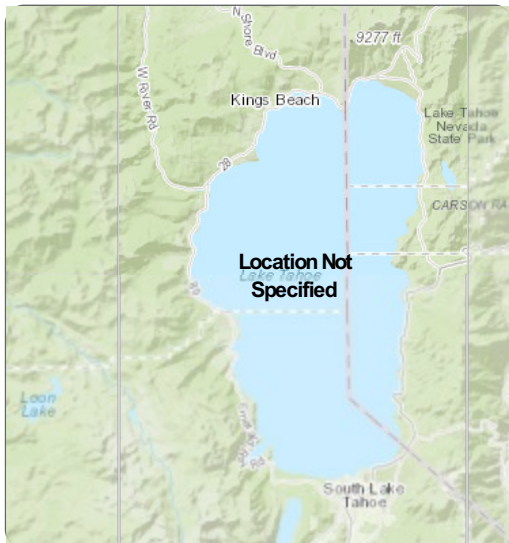
Targeted Performance Measures

- Miles of Street Sweeping

Threshold Categories

- Air Quality
- Water Quality

Location



Targeted Funding

■ Secured Funding: Unknown or Unassigned, \$596,000

Photos

Before

CALCULATIONS FOR CLEANER STREET SWEEPER PURCHASES (2)				
City of South Lake Tahoe - CTRB - 220-0000-0129				
PROJECT COST \$ 997,000				
PROJECT INPUTS				units
FURNISHING REQUESTED (F)	\$ 440,000			1
EFFICIENCY PERCENTAGE				10 percent
ANNUAL GAL FUEL - MAIN ENG. (MNF)			1400	gals.
ANNUAL GAL FUEL - AUX ENR. (AUXF)			2000	gals.
ANNUAL MILE SWEEP (MS)			10000	miles
EMISSION FACTOR TABLES				
MAIN ENR	BEFORE	AFTER	units	B/A
NOX FACTORS	N/A	N/A	g/Dep.hr	-
CO2 FACTORS				
NOX FACTORS	4.00	2.50	"	13
PM10 FACTORS	0.10	0.10	"	0
AUX ENR				
OFF ON	OFF ON			
NOX FACTORS	N/A	N/A	N/A	"
CO2 FACTORS				
NOX FACTORS	6.0	4	4.0	2.5
PM10 FACTORS	0.0	0.1	0.25	0.1
ANNUAL RESULTS				
NOX REDUCED			0.000	lb/yr
CO2 REDUCED			0.000	lb/yr
NOX REDUCED			238.381	lb/yr
PM10 REDUCED			0.000	lb/yr
PM 2.5 REDUCED			0.000	lb/yr
EMISSIONS REDUCED (ER)			238.381	lb/yr
Rule 1186				
NOX PM10 REDUCED (BR)			750.000	lb/yr
ADD PM 2.5 REDUCED (BR)			690.000	lb/yr
TOTAL ANN. REDUCTION			1,670.381	lb/yr
CSP From Rule 9			0.130	
COST EFFECTIVENESS			34.066	\$/lb
FOR MAIN PROJECTS				
CONVERSION CALC			2.000	kg/day
COST EFFECTIVENESS			74.971	\$/kg/day

NOTES:
 See pages 10-14 of ARB Handbook
 Numbers in tables are default values
 Rule 1186 identifies additional PM10 reduction factor as 0.05
 The energy consumption factor for Engine Reductions is 18.5

AQ Calc's_Elgin Sweepers

Project Fact Sheet Data as of 06/12/2026