

**Pasha Automotive Services**  
**Electric Fleet**  
**Environmental Fund Project**



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***Description:***

Replace aging six gasoline-powered vehicles and 2 propane-powered forklifts with electric-powered Segways and forklifts.

***Project Manager:***

Christina Magee 619-419-1071

***Grant Funding Request:***

\$52,800

***Cost:***

\$94,292

***Timeline:***

May to December 2009

***Benefit:***

Carbon emissions reduced 153,571 pounds annually at the National City Marine Terminal alongside San Diego Bay.

***Matching Funds:***

Pasha Automotive Services will provide 40% of funds.

**Pasha Automotive Services  
Electric Fleet**

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Table of Contents

I. Introduction.....	1
II. Project Narrative.....	2
III. Qualifying Experience .....	2
IV. Objectives of Grant Proposal.....	2
V. Cost Proposal.....	2
VI. Personnel .....	3
VII. Sub Consultants .....	3
VIII. Non-Profit Status .....	3
IX. Applicant Disclosure .....	3
X. Agreement.....	4
XI. Conflict of Interest .....	4
XII. Additional Information.....	4
Appendix: Tables .....	5

## I. Introduction

Pasha Automotive Services (PAS) has occupied the National City Marine Terminal since 1990. As a port processor for import and export vehicles, each PAS company vehicle will travel 12,000 miles each year along the San Diego Bay.

The Electric Fleet Project will remove gasoline and propane-powered vehicles from service by replacing them with electric vehicles. PAS estimates that this project will reduce carbon emissions by 153,571 pounds along the Bay, thereby increasing air quality. This reduction derives from a decrease in gasoline fuel consumption of 7,069 gallons annually and a decrease in propane fuel consumption of 960 gallons annually. By replacing gasoline and propane-powered vehicles with electric vehicles, this portion of the PAS fleet will have zero carbon emissions.

The electric fleet will consist of 6 Segway electric vehicles and two electric forklifts. A total of 8 vehicles will be replaced. (Table 1 and Table 2 of the Appendix list the vehicles to be replaced and their carbon emissions.)

Over the course of the remainder of the year, PAS will purchase the electric vehicles and train employees. Special training on usage, safety and visibility will be conducted for personnel who will use the Segway vehicles.

[Assumptions for carbon emissions are: 1) each gasoline-powered vehicle is driven 12,000 miles annually and one gallon of gasoline consumed equates to 20 pounds of carbon emitted. Fuel economy data was retrieved from the US Department of Energy-maintained website at <http://www.fueleconomy.gov>. 2) each propane-powered vehicle consumes 40 gallons of propane each month and one gallon of propane consumed equates to 12.7 pounds of carbon emitted. Propane data retrieved from the An Inconvenient Truth website at <http://www.climatecrisis.net>.]

## II. Project Narrative

This project will be implemented by purchasing the electric vehicles from local and regional suppliers. Our operations personnel will track the use of the Segways and forklifts to measure the benefits of carbon reductions.

This grant will fund the purchase of electric vehicles over the period of May through December 2009.

This project is important for its impact on air quality along the San Diego Bay due to reduced carbon emissions.

No partnerships are needed to complete this project.

## III. Qualifying Experience

Purchasing ability is the only qualifying experience this project requires.

## IV. Objectives of Grant Proposal

With this grant PAS will purchase 8 electric vehicles before December 2009. The goal is to reduce carbon emissions by 153,000 pounds annually.

## V. Cost Proposal

The total cost of this proposal is \$94,292. Itemized below are the costs of 8 electric vehicles. There are no personnel costs for this proposal.

	<b>Qty</b>	<b>Cost</b>	<b>Total Costs</b>
Segway	6	\$ 6,417	\$38,502
Electric Forklift	2	27,895	55,790
<i>Totals</i>	8		\$94,292

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Electric Fleet

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This proposal requests environmental funds of \$52,800 (\$24,000 each for the Forklifts, which is the variance between purchase prices of comparable propane-powered and electric-powered forklifts; and 75% of the cost of the Segway vehicles).

	<b>Total Fleet Costs</b>	<b>% Funding</b>
Pasha	\$41,492	44.0%
Environmental Fund award	52,800	56.0%
<i>Total Project Cost</i>	\$94,292	100%

**VI. Personnel**

The vehicles will be purchased from local Segway supplier and regional forklift supplier. The Project Manager for the Electric Fleet project is:

Christina Magee

Finance Manager, Pasha Automotive Services

Phone 619-419-1071

The PAS Operations Manager, Alex Lontayo, and Parts Manager, Ken Wilkins, will facilitate the purchase of the vehicles.

**VII. Sub Consultants**

This project requires no sub consultants.

**VIII. Non-Profit Status**

Not applicable.

**IX. Applicant Disclosure**

This statement certifies that no environmental citations have been issued to PAS within the last five years.

**X. Agreement**

Pasha Automotive Services (PAS) accepts the agreement with the San Diego Unified Port District following the guidelines of the Environmental Services Department for the "Environmental Projects Benefiting San Diego Bay". PAS also accepts the terms of the insurance and indemnification clauses provided by the Port.

**XI. Conflict of Interest**

PAS is not currently performing services of any kind that would conflict with the services to be provided to the Port under this RFP. Further, PAS will not perform services which would conflict with the services to be provided under this RFP.

**XII. Additional Information**

None.

Pasha Automotive Services  
Electric Fleet

**Appendix: Tables**

*Table I – Gasoline Fleet to be Retired*

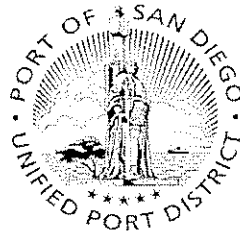
Model Year	Make - Description	MPG	Carbon Per Mile	Carbon Produced (lbs)	Consumption (Gallons)
1983	Chev PU	11.7	1.71	20512.82	1025.64
1985	Chev Van	12.6	1.59	19047.62	952.38
1986	Dodge Van	9.9	2.02	24242.42	1212.12
1986	Dodge Van	9.9	2.02	24242.42	1212.12
1987	Ford Club van	9	2.22	26666.67	1333.33
1989	Ford Van	9	2.22	26666.67	1333.33
<i>Averages/Totals</i>		10.35	1.96	141,379	7,069

*Table 2 – Propane Fleet to be Retired*

Make	Model	Carbon Per Gallon	Carbon Produced (lbs)	Consumption (Gallons)
Catepillar	TC 600	12.7	6096	480
Catepillar	GC25	12.7	6096	480
<i>Averages/Totals</i>		12.7	12,192	960

**ATTACHMENT A**

**Proposer's Equal Opportunity Program  
San Diego Unified Port District**



**Submitted to:  
San Diego Unified Port District**

**Submitted by:** Pasha Automotive Services

**Request for Proposal  
Environmental Projects Benefiting San Diego Bay**

**Date:** May 1, 2009

**RESPONDENT'S EQUAL OPPORTUNITY PROGRAM**

Report all permanent full-time or part-time employees. Refer to Section D for instructions to complete this Section. In Section E, identify the working titles found within each job group.

<b>A: Corporate Work Force Location:</b>											
Job Group	Total	Male					Female				
		WH	BL	HI	AP	AI	WH	BL	HI	AP	AI
Officials/Managers	43	17	0	0	4	0	18	0	2	2	0
Professionals	24	10	0	1	6	0	5	0	0	2	0
Technicians	5	1	0	0	1	0	3	1	0	0	0
Sales Workers	1	1	0	0	0	0	0	0	0	0	0
Admin Support	53	11	1	1	2	0	24	2	4	0	0
Craft Workers	0	0	0	0	0	0	0	0	0	0	0
Operators	0	0	0	0	0	0	0	0	0	0	0
Laborers	4	2	0	1	1	0	0	0	0	0	0
Service Workers	1	0	0	0	0	0	0	0	0	0	0
<b>Total:</b>	<b>131</b>	<b>42</b>	<b>1</b>	<b>3</b>	<b>14</b>	<b>0</b>	<b>50</b>	<b>3</b>	<b>6</b>	<b>12</b>	<b>0</b>
<b>B: San Diego Work Force</b>											
Job Group	Total	Male					Female				
		WH	BL	HI	AP	AI	WH	BL	HI	AP	AI
Officials/Managers	8	5	1	1	0	0	1	0	0	0	0
Professionals	2	2	0	0	0	0	0	0	0	0	0
Technicians	0	0	0	0	0	0	0	0	0	0	0
Sales Workers	0	0	0	0	0	0	0	0	0	0	0
Admin Support	21	3	1	7	0	0	5	3	2	0	0
Craft Workers	1	0	0	1	0	0	0	0	0	0	0
Operators	47	3	1	40	2	0	0	0	1	0	0
Laborers	138	6	1	112	5	0	0	0	14	0	0
Service Workers	0	0	0	0	0	0	0	0	0	0	0
<b>Total:</b>	<b>217</b>	<b>19</b>	<b>4</b>	<b>161</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>17</b>	<b>0</b>	<b>0</b>
<b>C: Project Work Force</b>											
Job Group	Total	Male					Female				
		WH	BL	HI	AP	AI	WH	BL	HI	AP	AI
Officials/Managers	3	0	1	1	0	0	1	0	0	0	0
Professionals											
Technicians											
Sales Workers											
Admin Support											
Craft Workers											
Operators											
Laborers											
Service Workers											
<b>Total:</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Contact Person: DAN DOSS  
 Signature: [Signature]  
 Title: HUMAN RESOURCES

Phone: 415-927-6453  
 Date: 4-30-09  
 Company Name: PISHA

**E. Working Titles**

List the working titles of all employees by category, e.g., Professionals: Civil Engineer, Structural Engineer; and Technicians: Drafter, Computer Programmer, Surveyor.

Officials/Managers	Professionals	Technicians
VP.	MGR, LABOR REL. SAFETY TRAIN	TECHNICAL SUPPORT SPEC
S. VP + GENERAL MGR	ADMIN. LABOR SAFETY TRAIN	FIN. SYSTEMS SUPPORT
GENERAL MANAGER	HUMAN RESOURCE PROGRAM.	PURCHASING CLERK
OPERATIONS MANAGER	APPLICATION DEVELOPER	
MGR. CLIENT SERVICES	SR. ACCOUNTANT	
QUAL. DESIGN PROCS MGR	EDI ANALYST	
PATENTS MGR		
FINANCE MGR		
Sales Workers	Office/Clerical	Craft Workers
SALES EXECUTIVE	BILLING COORD.	
	AP/R COORD	
	OPERATIONS COORD	
	ACCOUNT EXPEDITOR	
	INVENTORY CONTROL	
	RECEPTIONIST	
	EXECUTIVE ASSIST.	
	TRANSPORTATION COORD.	
	CUST. SERV. REP	
	PAYROLL TECHNICIAN	
Operatives	Laborers	Service Workers
	LEADMAN	VALET
FOREMAN	PROCESSOR	
DRIVER	GROUNDKEEPER	
ASSEMBLY	MAINTENANCE TECHNICIAN	

Statement of Compliance

EQUAL EMPLOYMENT OPPORTUNITY

THE FOLLOWING CERTIFICATE SHALL BE SIGNED BY THE CHIEF EXECUTIVE OFFICER OF THE SERVICE PROVIDER AND SUBMITTED WITH SERVICE PROVIDER'S REQUIRED EQUAL EMPLOYMENT OPPORTUNITY PROGRAM.

Agreement Description: **Environmental Projects Benefiting San Diego Bay**

Service Provider/Lessee: Pasha Automotive Services

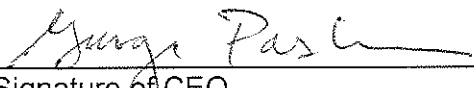
Address: 1309 Bay Marina Drive

City, State, Zip Code: National City, CA 91950

Telephone Number: 619-477-3948

The Service Provider shall not discriminate against any employee or applicant for any employment action because of race, color, religion, sex, national origin, ancestry, physical or mental disability, veteran status, medical condition, marital status, age (40 years and older), sexual orientation or pregnancy.

Service Provider shall certify that Service Provider is in compliance with and throughout the term of the contract or lease will comply with: Title VII of the Civil Rights Act of 1964, as amended; the Civil Rights Act of 1991; the California Fair Employment Practices Act; and any other applicable Federal, State, and local law, regulation and policy including without limitation, those adopted by the District relating to equal employment opportunity, including any such law, regulation, and policy hereinafter enacted.

  
\_\_\_\_\_  
Signature of CEO

George W. Pasha IV  
Printed Name

April 29, 2009  
Date