STATE OF CALIFORNIA

GRANT/LOAN AMENDMENT

CEC-140 (Revised 9/11)

CALIFORNIA ENERGY COMMISSION

☒ Check here if additional pages are attached. 56 Pages

AGREEMENT NUMBER:	AMENDMENT NUMBER:
ARV-15-069	1

1. This Agreement is entered into between the State Agency and the Recipient named below:

STATE AGENCY'S NAME
State Energy Resources Conservation and Development Commission

RECIPIENT'S NAME
City of Los Angeles Harbor Department

2. The term of this Agreement: From: 06/30/2016 To: 4/30/2021

3. The maximum amount of this Agreement after this amendment is: $ 5,833,000 ($0 Amendment)

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

The purpose of this amendment is a budget reallocation.

- Exhibit B, Budget (56 pages) is attached and replaces the previously approved Exhibit B, Budget (48 pages) in its entirety.

APPROVED AS TO FORM AND LEGALITY
September 20 20 18
MICHAEL N. FEUER, City Attorney
By [signature]
Deputy City Attorney

RECIPIENT

RECIPIENT'S NAME *(If other than an individual, state whether a corporation, partnership, etc)*
City of Los Angeles Harbor Department

BY *(Authorized Signature)* ✍

DATE SIGNED *(Do not type)* ✍

NAME AND TITLE OF PERSON SIGNING

ADDRESS
425 S. Palos Verdes Street
San Pedro, CA 90731

STATE OF CALIFORNIA

AGENCY NAME
State Energy Resources Conservation and Development Commission

BY *(Authorized Signature)* ✍

DATE SIGNED *(Do not type)* ✍

NAME AND TITLE OF PERSON SIGNING
Michael Poe, Contracts, Grants and Loans Acting Office Manager

ADDRESS
1516 Ninth Street
Sacramento, CA 95814-5512

TRANSMITTAL 1

Exhibit B

Category Budget

Name of Organization	City of Los Angeles Harbor Department

☑ Contractor/Recipient ☐ Subcontractor ☐ Micro Business ☐ Small Business ☐ Disabled Veteran Business Enterprise

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ -	$ -	$ -
Fringe Benefits	$ -	$ -	$ -
Total Labor:	**$ -**	**$ -**	**$ -**
Travel	$ -	$ -	$ -
Equipment	$ -	$ -	$ -
Materials/Miscellaneous	$ -	$ -	$ -
Subcontractors	$ 5,833,000	$ 2,808,007	$ **8,641,007**
Total Other Direct Costs:	**$ 5,833,000**	**$ 2,808,007**	**$ 8,641,007**
Indirect Costs	$ -	$ -	$ -
Profit (not allowed for grant recipients)	$ -	$ -	$ -
Total Indirect Costs and Profit:	**$ -**	**$ -**	**$ -**
Grand Totals:	**$ 5,833,000**	**$ 2,808,007**	**$ 8,641,007**

Direct Labor (Unloaded)

City of Los Angeles Harbor Department

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
				Hourly Direct Labor Totals: $ -	$ -	$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
				Monthly Direct Labor Totals: $ -	$ -	$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals:	$ -	$ -	$ -

Fringe Benefits

City of Los Angeles Harbor Department

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
Fringe Benefit Totals:			**$ -**	**$ -**	**$ -**

Exhibit B

Travel

City of Los Angeles Harbor Department						
Task No.	**Traveler's Name and/or Classification**	**Departure and Destination**	**Trip Purpose**	**Energy Commission Funds**	**Match Share**	**Total**
				$ -	$ -	$ -
			Totals:	$ -	$ -	$ -

Exhibit B

Equipment

City of Los Angeles Harbor Department

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
					$ -	$ -	$ -
				Totals:	$ -	$ -	$ -

Materials & Miscellaneous

City of Los Angeles Harbor Department

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
					$ -	$ -	$ -
				Totals:	$ -	$ -	$ -

Subcontracts

City of Los Angeles Harbor Department

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
2, 4	BYD Motors, Inc.	To build and demonstrate yard tractors		$ 1,500,000	$ -	$ 1,500,000
2, 4	Rev Group, Inc. dba Capacity Trucks	To build and demonstrate yard tractors		$ 3,363,000	$ -	$ 3,363,000
3, 4	Productivity Apex, Inc.	To design, build, integrate, and demonstrate intelligent transportation system	SB	$ 970,000	$ 434,007	$ 1,404,007
2, 4	Clean Energy Fuels Corp.	To purchase and install HD EVSE and CNG infrastructure			$ 499,000	$ 499,000
2, 4	Everport Terminal Services, Inc.	To operate demonstration vehicles			$ 1,875,000	$ 1,875,000
~~3, 4~~	~~University of California at Riverside~~	~~To design, build, integrate, and demonstrate intelligent transportation system~~		$ -	$ -	$ -
~~3, 4~~	~~InfoMagnus~~	~~To design, build, integrate, and demonstrate intelligent transportation system~~	~~SB~~	$ -	$ -	$ -
			Totals:	**$ 5,833,000**	**$ 2,808,007**	**$ 8,641,007**

Indirect Costs and Profit

City of Los Angeles Harbor Department

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
-	-	-	$ -	$ -	$ -	$ -
			Totals:	$ -	$ -	$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
		Totals:	$ -	$ -	$ -

Category Budget

Name of Organization: BYD Motors, Inc.

☐ Contractor/Recipient ☑ Subcontractor

☐ Small Business ☐ Micro Business ☐ Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ -	$ -	$ -
Fringe Benefits	$ -	$ -	$ -
Total Labor	**$ -**	**$ -**	**$ -**
Travel	$ -	$ -	$ -
Equipment	$ 1,500,000	$ -	$ 1,500,000
Materials/Miscellaneous	$ -	$ -	$ -
Subcontractors	$ -	$ -	$ -
Total Other Direct Costs	**$ 1,500,000**	**$ -**	**$ 1,500,000**
Indirect Costs	$ -	$ -	$ -
Profit (not allowed for grant recipients)	$ -	$ -	$ -
Total Indirect and Profit	**$ -**	**$ -**	**$ -**
Grand Totals	**$ 1,500,000**	**$ -**	**$ 1,500,000**

Direct Labor (Unloaded)

BYD Motors, Inc.

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Hourly Direct Labor Totals	$ -	$ -	$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Monthly Direct Labor Totals	$ -	$ -	$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	$ -	$ -	$ -

Fringe Benefits

BYD Motors, Inc.

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
Fringe Benefit Totals		$ -	$ -	$ -	$ -

Travel

BYD Motors, Inc.						
Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Equipment

BYD Motors, Inc.

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
2	Battery Powered Yard Tractors	To design build, and demonstrate yard tractors	5	$ 300,000	$ 1,500,000	$ -	**$ 1,500,000**
				Total:	**$ 1,500,000**	**$ -**	**$ 1,500,000**

Materials & Miscellaneous

BYD Motors, Inc.

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
4	~~Battery Yard Tractor Demonstration~~	~~To support operations and maintenance, service needs, and demonstration activities~~	~~Various~~	~~Various~~	$ -	$ -	$ -
				Total:	$ -	$ -	$ -

Subcontracts

BYD Motors, Inc.						
Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Indirect Costs and Profit

BYD Motors, Inc.

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
		Total:	$ -	$ -	$ -

Category Budget

Name of Organization

Rev Group, Inc. dba Capacity Trucks

☐ Contractor/Recipient ☑ Subcontractor

☐ Small Business ☐ Micro Business ☐ Disabled Veteran Business Enterprise

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ -	$ -	$ -
Fringe Benefits	$ -	$ -	$ -
Total Labor	$ -	$ -	$ -
Travel	$ -	$ -	$ -
Equipment	$ 3,363,000	$ -	$ 3,363,000
Materials/Miscellaneous	$ -	$ -	$ -
Subcontractors	$ -	$ -	$ -
Total Other Direct Costs	$ 3,363,000	$ -	$ 3,363,000
Indirect Costs	$ -	$ -	$ -
Profit (not allowed for grant recipients)	$ -	$ -	$ -
Total Indirect and Profit	$ -	$ -	$ -
Grand Totals	$ 3,363,000	$ -	$ 3,363,000

Direct Labor (Unloaded)

Rev Group, Inc. dba Capacity Trucks

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Hourly Direct Labor Totals	$ -	$ -	$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Monthly Direct Labor Totals	$ -	$ -	$ -
-	-	-	-	Energy Commission Funds	Match Share	Total
			Direct Labor Grand Totals	$ -	$ -	$ -

Fringe Benefits

Rev Group, Inc. dba Capacity Trucks

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
Fringe Benefit Totals			$ -	$ -	$ -

Travel

Rev Group, Inc. dba Capacity Trucks						
Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Equipment

Rev Group, Inc. dba Capacity Trucks

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
2	Off-Road Natural Gas Yard Tractors	To provide yard tractors for field demonstration	20	$ 168,150	$ 3,363,000	$ -	**$ 3,363,000**
2	**~~Natural Gas Fuel and Refueling Station~~**	**~~To provide skid mounted refueling tanks to support demonstration~~**	**0**	**$ -**	$ -	**$ -**	**$ -**
				Total:	**$ 3,363,000**	**$ -**	**$ 3,363,000**

Materials & Miscellaneous

Rev Group, Inc. dba Capacity Trucks

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
4	~~Natural Gas Yard Tractor~~	~~To support operations and maintenance, service needs, and demonstration activities~~	~~Variable~~	~~Variable~~	$ -	$ -	$ -
				Total:	$ -	$ -	$ -

Subcontracts

Rev Group, Inc. dba Capacity Trucks						
Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Indirect Costs and Profit

Rev Group, Inc. dba Capacity Trucks

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Profit
(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
		Total:	$ -	$ -	$ -

Category Budget

Name of Organization	Clean Energy Fuels Corp.

☐ Contractor/Recipient ☑ Subcontractor

☐ Small Business ☐ Micro Business ☐ Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ -	$ -	$ -
Fringe Benefits	$ -	$ -	$ -
Total Labor	**$ -**	**$ -**	**$ -**
Travel	$ -	$ -	$ -
Equipment	$ -	$ 499,000	$ 499,000
Materials/Miscellaneous	$ -	$ -	$ -
Subcontractors	$ -	$ -	$ -
Total Other Direct Costs	**$ -**	**$ 499,000**	**$ 499,000**
Indirect Costs	$ -	$ -	$ -
Profit (not allowed for grant recipients)	$ -	$ -	$ -
Total Indirect and Profit	**$ -**	**$ -**	**$ -**
Grand Totals	**$ -**	**$ 499,000**	**$ 499,000**

Direct Labor (Unloaded)

Clean Energy Fuels Corp.

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Hourly Direct Labor Totals	$ -	$ -	$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Monthly Direct Labor Totals	$ -	$ -	$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	$ -	$ -	$ -

Fringe Benefits

Clean Energy Fuels Corp.					
Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
Fringe Benefit Totals		$ -	$ -	$ -	$ -

Travel

Clean Energy Fuels Corp.						
Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Equipment

Clean Energy Fuels Corp.							
Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
4.1	Clean Energy - LNG Fueling Skid	Provide fueling for at least 20 yard tractors	1	$ 499,000	$ -	$ 499,000	$ 499,000
				Total:	$ -	$ 499,000	$ 499,000

Materials & Miscellaneous

Clean Energy Fuels Corp.							
Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
					$ -	$ -	$ -
				Total:	$ -	$ -	$ -

Subcontracts

Clean Energy Fuels Corp.						
Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Indirect Costs and Profit

Clean Energy Fuels Corp.

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
		Total:	$ -	$ -	$ -

Category Budget

Name of Organization	Everport Terminal Services, Inc.

☐ Contractor/Recipient ☑ Subcontractor

☐ Small Business ☐ Micro Business ☐ Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ -	$ 1,875,000	$ 1,875,000
Fringe Benefits	$ -	$ -	$ -
Total Labor	$ -	$ 1,875,000	$ 1,875,000
Travel	$ -	$ -	$ -
Equipment	$ -	$ -	$ -
Materials/Miscellaneous	$ -	$ -	$ -
Subcontractors	$ -	$ -	$ -
Total Other Direct Costs	$ -	$ -	$ -
Indirect Costs	$ -	$ -	$ -
Profit (not allowed for grant recipients)	$ -	$ -	$ -
Total Indirect and Profit	$ -	$ -	$ -
Grand Totals	$ -	$ 1,875,000	$ 1,875,000

Direct Labor (Unloaded)

Everport Terminal Services, Inc.

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
TBD	Yard Tractor Operator (Day Shift)	$ 85.13	78,983	$ -	$ 631,866	**$ 631,866**
TBD	Yard Tractor Operator (Night Shift)	$ 101.63	114,659	$ -	$ 917,273	**$ 917,273**
TBD	Yard Tractor Operator (Weekend Shift)	$ 109.75	40,733	$ -	$ 325,861	**$ 325,861**
			Hourly Direct Labor Totals	**$ -**	**$ 1,875,000**	**$ 1,875,000**

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
				$ -		**$ -**
			Monthly Direct Labor Totals	**$ -**	**$ -**	**$ -**

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	**$ -**	**$ 1,875,000**	**$ 1,875,000**

Fringe Benefits

Everport Terminal Services, Inc.					
Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
Fringe Benefit Totals			$ -	$ -	$ -

Travel

Everport Terminal Services, Inc.						
Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Equipment

Everport Terminal Services, Inc.							
Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
					$ -	$ -	$ -
				Total:	$ -	$ -	$ -

Materials & Miscellaneous

Everport Terminal Services, Inc.							
Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
					$ -	$ -	$ -
				Total:	$ -	$ -	$ -

Subcontracts

Everport Terminal Services, Inc.						
Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Indirect Costs and Profit

Everport Terminal Services, Inc.

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Total:	$ -	$ -	$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			$ -	$ -	$ -
		Total:	$ -	$ -	$ -

Category Budget

Name of Organization	Productivity Apex, Inc.

☐ Contractor/Recipient ☑ Subcontractor ☐ Micro Business ☑ Small Business ☐ Disabled Veteran Business Enterprise

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ 158,782	$ 124,879	$ 283,661
Fringe Benefits	$ 31,407	$ 24,701	$ 56,108
Total Labor:	$ 190,189	$ 149,580	$ 339,769
Travel	$ -	$ -	$ -
Equipment	$ -	$ -	$ -
Materials/Miscellaneous	$ 70,000	$ -	$ 70,000
Subcontractors	$ 456,002	$ 127,766	$ 583,768
Total Other Direct Costs:	$ 526,002	$ 127,766	$ 653,768
Indirect Costs	$ 199,197	$ 156,661	$ 355,858
Profit (not allowed for grant recipients)	$ 54,612	$ -	$ 54,612
Total Indirect Costs and Profit:	$ 253,809	$ 156,661	$ 410,470
Grand Totals:	$ 970,000	$ 434,007	$ 1,404,007

Direct Labor (Unloaded)

Productivity Apex, Inc.

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
Dr. Mansooreh Mollaghasemi	Senior Program Manager	$ 90.00	1147	$ 28,350	$ 74,880	$ 103,230
~~Dr. Sam Fayez~~	~~Project Manager~~	~~$ 62.50~~	~~800~~	$ -	$ -	$ -
Walt Wilson	Project Manager	$ 55.29	1379	$ 26,316	$ 49,999	$ 76,315
Dr. Ahmed El-Nashar	Scientist	$ 38.00	29	$ 1,102	~~$ -~~	$ 1,102
~~Fabio Zavagnini~~	~~Industrial Engineer~~	$ 33.30	1162	$ 12,678	$ -	$ 12,678
Fabio Zavagnini	Senior Industrial Engineer	$ 33.30	782	$ 26,017	$ -	$ 26,017
~~Surya Suluh~~	~~Software Engineer~~	~~$ 45.66~~	~~0~~	$ -	$ -	$ -
Benjamin Miller	Senior Software Engineer	$ 44.23	689	$ 30,440	$ -	$ 30,440
Kelsey Abreu	Intermediate Software Engineer	$ 37.50	688	$ 25,768	$ -	$ 25,768
Natalie Fernandez	Administrator	$ 21.63	375	$ 8,111	$ -	$ 8,111
			Hourly Direct Labor Totals:	$ 158,782	$ 124,879	$ 283,661

Monthly Salary Rates

Employee Name	Job Classification / Title	Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Monthly Direct Labor Totals:	$ -	$ -	$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals:	$ 158,782	$ 124,879	$ 283,661

Fringe Benefits

Productivity Apex, Inc.

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
All Direct Labor (DL) Classifications	19.78%	$ 283,661	$ 31,407	$ 24,701	$ 56,108
Fringe Benefit Totals:		$ 283,661	$ 31,407	$ 24,701	$ 56,108

Travel

Productivity Apex, Inc.						
Task No.	**Traveler's Name and/or Classification**	**Departure and Destination**	**Trip Purpose**	**Energy Commission Funds**	**Match Share**	**Total**
				$ -	$ -	$ -
			Totals:	$ -	$ -	$ -

Equipment

Productivity Apex, Inc.

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
				Totals:	$ -	$ -	$ -

Materials & Miscellaneous

Productivity Apex, Inc.

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
4	Eco-FRATIS Android Tablet with Protective Cover	For deployment and data collection	70	$ 600	$ 42,000	$ -	**$ 42,000**
4	1 Year Cellular Service (Data Plan) for Tablet	To provide telecommunications service for deployment and data collection	70	$ 240	$ 16,800	$ -	**$ 16,800**
4	1 Year Co-Pilot Truck Navigation with Traffic Service for Tablet	To deploy and communicate with transportation infrasctructure	70	$ 160	$ 11,200	$ -	**$ 11,200**
				Totals:	**$ 70,000**	**$ -**	**$ 70,000**

Subcontracts

Productivity Apex, Inc.

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
	InfoMagnus	To design, build, integrate, and demonstrate intelligent transportation system	SB	$ 96,147	$ 37,628	$ 133,775
	University of California at Riverside	To design, build, integrate, and demonstrate intelligent transportation system		$ 359,855	$ 90,138	$ 449,993
			Totals:	$ 456,002	$ 127,766	$ 583,768

Indirect Costs and Profit

Productivity Apex, Inc.

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
Indirect Overhead (IOH)	29.58%	DL + FB	$ 339,769	$ 56,258	$ 44,245	$ 100,503
General & Administrative (G&A)	58.00%	~~Value-added method~~ DL + FB + IOH	$ 440,272	$ 142,939	$ 112,416	$ 255,355
			Totals:	$ 199,197	$ 156,661	$ 355,858

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
10.00%	Total costs	$ 915,388	$ 54,612	$ -	$ 54,612
		Totals:	$ 54,612	$ -	$ 54,612

Category Budget

Name of Organization	University of California at Riverside

☐ Contractor/Recipient ☑ Subcontractor ☐ Micro Business ☐ Small Business ☐ Disabled Veteran Business Enterprise

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	$ 138,995	$ 36,000	$ 174,995
Fringe Benefits	$ 65,712	$ -	$ 65,712
Total Labor:	**$ 204,707**	**$ 36,000**	**$ 240,707**
Travel	$ 3,600	$ -	$ 3,600
Equipment	$ -	$ -	$ -
Materials/Miscellaneous	$ 91,971	$ 44,778	$ 136,749
Subcontractors	$ -	$ -	$ -
Total Other Direct Costs:	**$ 95,571**	**$ 44,778**	**$ 140,349**
Indirect Costs	$ 59,577	$ 9,360	$ 68,937
Profit (not allowed for grant recipients)	$ -	$ -	$ -
Total Indirect Costs and Profit:	**$ 59,577**	**$ 9,360**	**$ 68,937**
Grand Totals:	**$ 359,855**	**$ 90,138**	**$ 449,993**

Direct Labor (Unloaded)

University of California at Riverside

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate ($ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Hourly Direct Labor Totals:	$ -	$ -	$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Labor Rate ($ per month)	# of Months	Energy Commission Funds	Match Share	Total
Kanok Boriboonsomsin	Principal Investigator	$ 10,759	24	$ 39,328	$ -	$ 39,328
Matthew Barth	Co-Principal Investigator	$ 17,953	6	$ 4,255	$ -	$ 4,255
Peng Hao	Assistant Research Engineer	$ 7,983	24	$ 47,202	$ -	$ 47,202
Alexander Vu	Assistant Development Engineer	$ 5,075	24	$ 36,183	$ -	$ 36,183
Daniel Sandez	Junior Development Engineer	$ 4,009	12	$ 12,027	$ -	$ 12,027
TBD	Graduate Student Researcher	$ 4,354	24	$ -	$ 36,000	$ 36,000
			Monthly Direct Labor Totals:	$ 138,995	$ 36,000	$ 174,995

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals:	$ 138,995	$ 36,000	$ 174,995

Fringe Benefits

University of California at Riverside

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs ($)	Energy Commission Funds	Match Share	Total
Kanok Boriboonsomsin	60.00%	$ 39,328	$ 18,091	$ -	**$ 18,091**
Matt Barth	60.00%	$ 4,255	$ 383	$ -	**$ 383**
Peng Hao	60.00%	$ 47,202	$ 22,717	$ -	**$ 22,717**
Alex Vu	60.00%	$ 36,183	$ 18,157	$ -	**$ 18,157**
Daniel Sandez	60.00%	$ 12,027	$ 6,364	$ -	**$ 6,364**
Fringe Benefit Totals:		**$ 138,995**	**$ 65,712**	**$ -**	**$ 65,712**

Travel

University of California at Riverside

Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
3, 4	Principal Investigator and/or Co-Principal Investigator	Riverside to/from Sacramento	3 trips to Sacramento for project meetings	$ 1,500	$ -	**$ 1,500**
3, 4	TBD/Development Engineers	Riverside to/from Various Ports and Demonstrators	20 trips to the ports and participating demonstrators for ITS installation, training, and troubleshooting	$ 1,500	$ -	**$ 1,500**
3, 4	TBD/Development Engineers	Riverside to/from Los Angeles	10 trips to LA Metro and intersections for system installation	$ 600	$ -	**$ 600**
			Totals:	**$ 3,600**	**$ -**	**$ 3,600**

Equipment

University of California at Riverside

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
					$ -	$ -	$ -
				Totals:	$ -	$ -	$ -

Materials & Miscellaneous

University of California at Riverside

Task No.	Description	Purpose	# Units	Unit Cost*	Energy Commission Funds	Match Share	Total
4	Graduate Student Health Insurance Plan	Graduate Student researchers	6	$ 5,303	$ -	$ 31,818	**$ 31,818**
4	Communication devices and cables	Intersection instrumentation	10	$ 500	$ 5,000	$ -	**$ 5,000**
4	On-board computing devices	Vehicle instrumentation	10	$ 1,000	$ 10,000	$ -	**$ 10,000**
4	Radar unit	Vehicle instrumentation	10	$ 1,000	$ 10,000	$ -	**$ 10,000**
4	Miscellaneous	Intersection/vehicle instrumentation	Varies	Varies	$ 5,000	$ -	**$ 5,000**
4	Tablets	Vehicle instrumentation	30	$ 120	$ -	$ 3,600	**$ 3,600**
4	26% of Modified total direct costs (Less equip, subs, and other items that do not include OH charges)	Facilities Rental	1	$ 238,318	$ 61,971	$ 9,360	**$ 71,331**
				Totals:	**$ 91,971**	**$ 44,778**	**$ 136,749**

* Note: Detailed costs for each item shall be provided and approved by CAM before incurring expenses.

Subcontracts

University of California at Riverside						
Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
				$ -	$ -	$ -
			Totals:	$ -	$ -	$ -

Indirect Costs and Profit

University of California at Riverside

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
Modified Total Direct Cost	25.00%	Modified Direct Labor	$ 238,307	$ 59,577	$ 9,360	**$ 68,937**
			Totals:	**$ 59,577**	**$ 9,360**	**$ 68,937**

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			$ -	$ -	**$ -**
		Totals:	**$ -**	**$ -**	**$ -**