

DOT

FTA

U.S. Department of Transportation

Federal Transit Administration

Quarter 4 (Jul - Sep), FY 2016 Milestone Progress Report

Federal Award Identification Number (FAIN)	NV-88-0001-00
Temporary Application Number	NV-88-0001-00
Award Name	Electric Bus Project
Award Status	Active (Executed)
Award Budget Number	0

Part 1: Recipient Information

Name: Regional Transportation Commission Of Washoe County

Recipient ID	Recipient OST Type	Recipient Alias	Recipient DUNS
1669	Council of Government	REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY	167260892

Part 2: Award Information

Title: Electric Bus Project

FAIN	Award Status	Award Type	Date Created	Last Updated Date	From TEAM?
NV-88-0001-00	Active (Executed)	Grant	3/9/2011	7/26/2016	Yes

Funding Source	Section of Statute	CFDA Number	Amount
88 P.L. 111-68 Transit Investments for Greenhouse Gas and Energy Reduction	88-GG	20523	\$4,650,523
Local			\$516,725
State			\$0
Other Federal			\$0
Total Eligible Cost			\$5,167,248

Adjustment Amount	\$0
Gross Award Cost	\$5,167,248

Part 3: Milestone Progress Report Information

Milestone Progress Report Details

Report Type	Report Period	Final Report?	Report Period Begin Date	Report Period End Date	Report Due Date	Submission Date
Quarterly	Quarter 4 (Jul - Sep), FY 2016	No	7/1/2016	9/30/2016	10/30/2016	10/27/2016

Status Log

Previous Status	New Status	Change Date	Change By
Work in Progress	Submitted	10/27/2016	Stephanie Haddock

Milestone Progress Overview Remarks

Remark By Stephanie Haddock	
Remark Type	Award Overview
Remark Date	10/27/2016
Remark	Reporting project completed in June 2016. Remaining grant funds to be used towards the purchase of another Proterra electric bus. SAH 10/27/16.

Remark By Stephanie Haddock	
Remark Type	Award Overview
Remark Date	7/21/2016
Remark	Quarterly reporting was completed June 2016. Revision upcoming to use remaining grant funds towards the purchase of another Proterra electric bus. SAH 7/21/16

Remark By Stephanie Haddock

Remark Type	Award Overview
Remark Date	4/26/2016
Remark	Quarterly monitoring reports to be sent to FTA or attached. SAH 4/26/16

Remark By

Remark Type	Award Overview
Remark Date	10/28/2015
Remark	<p>Quarterly monitoring report attached. SAH 10/28/15</p> <p>Electric buses repaired and put back in service. Quarterly (Jan-Mar 15) monitoring report attached. SAH 7/30/15</p> <p>Electric buses had to be taken out of service in March for warranty repairs. Quarterly (Oct-Dec 14) monitoring report attached. SAH 3/28/15.</p> <p>Quarterly (Jul-Sep 14) monitoring report attached. SAH 1/28/15.</p> <p>March - May 2014 monitoring report attached. SAH 10/30/14.</p> <p>On-going study of the electric bus performance has begun and will continue through Feb. 2016. SAH 7/29/14.</p> <p>Buses branded in February and began revenue service on March 31,2014. SAH 4/29/14.</p> <p>All buses shipped and accepted. In service starting March 2014. SAH 1/29/14.</p> <p>First bus shipped but has not been accepted due to problems. SAH 10/29/13.</p> <p>Production of the four electric buses is underway with delivery scheduled for September 2013. SAH 7/29/13.</p> <p>During the January to March quarter, RTC completed negotiations on an amendment to the Proterra contract that resolved production issues and revised production schedule. Buses are now expected to be delivered in September and October 2013. As part of the amendment, Proterra has agreed to pay for the additional inspection services required. A new inspection services contract has been negotiated with Transit Resource Center (TRC). Also, negotiations are under way with TRC and TRC</p>

subcontractor the University of Nevada, Reno, (UNR) to perform various federal reporting requirements once the vehicles are in service. SAH 4/29/13.

Reviewed by RH, 3/25/13

During the October to December quarter, quality control problems discovered at the Proterra production facility in December have caused a significant delay to the production schedule. Proterra is developing corrective actions but delivery of the vehicles will most likely be delayed up to one year. Negotiations continue to modify the contract accordingly. Discussions have been held with Transit Resource Center (TRC) and the University of Nevada, Reno, to perform various federal reporting requirements once the vehicles are in service. Rev. Est. Comp. Dates have been updated accordingly. SAH 1/29/13.

Reviewed by RH, 12/3/12

At the direction of the Federal Transit Administration (FTA), RTC is moving forward with procurement of electric buses consistent with the original TIGGER II grant application. Negotiations with Proterra Bus are underway for the purchase of four electric buses and one fast charge station. Negotiations are also underway with the Center for Transportation and the Environment (CTE) and Transit Resource Center (TRC) for various tasks associated with project management, vehicle inspection and acceptance testing, and federal reporting requirements. Staff hopes to bring all three contracts for approval to the August 17, 2012, RTC Board meeting. SAH 7/26/12.

Electric bus project has begun with initial RFQ issued to procure management services. SAH 10/26/11.

Initial FFR & MSR submitted 8/8/2011. SAH.

Remark By

Remark Type Award Overview

Remark Date 7/30/2015

Remark Electric buses repaired and put back in service. Quarterly (Jan-Mar 15) monitoring report attached. SAH 7/30/15

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Milestone Progress FTA Review Remarks

No FTA Review Remarks have been entered.

Milestone Details

Budget Activity Line Item: 11.12.02 - BUY REPLACEMENT 35-FT BUS

Line Item Description: Details updated with 4th replacement bus for revision #1. 1. Operator: Regional Transportation Commission of Washoe County 2. Project Name: Electric Bus Project 3. ADA Project: No 4. Key Station Project: No 5. Project in RTIP: Yes 6. Project in STIP: Yes 7. Environmental Clearance: NEPA; Class IICE, 23 CFR 771.117 (C-170 8. Project Description: These funds will be use to replace up to 4 diesel 29' buses. The buses will have reached the federally declared useful life of 10 years for a 29` bus when replaced. The following vehicles are being replaced: Vehicle # Year Make VIN # Mileage @11/2010 305 2003 Opus 1Z9B5BSS43W216189 183,515 306 2003 Opus 1Z9B5BSS03W216190 183,980 307 2003 Opus 1Z9B5BSS23W216191 150,774 308 2003 Opus 1Z9B5BSS43W216192 183,569 9. Project Justification: This project provides an opportunity to test battery-powered buses in a high desert climate. RTC is expected to realize a fuel savings of nearly \$400K per vehicle over 12 years. 10. Project Budget: The total cost of this project is \$5,167,128 and will be funded With TIGGER II monies. The vehicles being replaced are included in the RTC vehicle replacement schedule.

Line Item #	Scope Name / Code	Custom Item Name	Activity	Quantity
11.12.02	BUS - ROLLING STOCK (111-00)	BUY REPLACEMENT 35-FT BUS	BUY REPLACEMENT 35-FT BUS	4

Funding Source	Section of Statute	CFDA Number	Amount
88 P.L. 111-68 Transit Investments for Greenhouse Gas and Energy Reduction	88-GG	20523	\$3,300,000

Non-FTA Amount	\$366,667
Total Eligible Cost	\$3,666,667
Adjustment Amount	\$0
Gross Award Cost	\$3,666,667

Milestone Name: RFP/IFB OUT FOR BID				
Milestone Description: RFP/IFB OUT FOR BID				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
7	8/1/2011		6/30/2012	

Milestone Name: CONTRACT AWARDED				
Milestone Description: CONTRACT AWARDED				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
4	10/30/2011		8/24/2012	

Milestone Name: FIRST VEHICLE DELIVERED				
Milestone Description: FIRST VEHICLE DELIVERED				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
7	10/30/2013		9/3/2013	

Milestone Name: ALL VEHICLES DELIVERED				
Milestone Description: ALL VEHICLES DELIVERED				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
8	11/30/2013		10/20/2013	

Milestone Name: CONTRACT COMPLETE				
Milestone Description: CONTRACT COMPLETE				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
7	12/31/2013		3/31/2014	

Budget Activity Line Item: 11.42.20 - ACQUIRE - MISC SUPPORT EQUIPMENT

Line Item Description: 1. Operator: Regional Transportation Commission of Washoe County 2. Project Name: Electric Bus Project 3. ADA Project: No 4. Key Station Project: No 5. Project in RTIP: Yes 6. Project in STIP: Yes 7. Environmental Clearance: NEPA; Class IICE, 23 CFR 771.117 (C-170 8. Project Description: These funds will be used to purchase 3 midlife replacement batteries and a Grid-Connected Fast Charge Station for the electric buses. 9. Project Justification: This project provides an opportunity to test battery-powered buses in a high desert climate. RTC is expected to realize a fuel savings of nearly \$400K per vehicle over 12 years. 10. Project Budget: The total cost of this project is \$5,167,128 and will be funded With TIGGER II monies. The replacement batteries are estimated to cost \$138,889 each. The Grid-connected fast charge station is estimated to cost \$704,000.

Line Item #	Scope Name / Code	Custom Item Name	Activity	Quantity
11.42.20	BUS: SUPPORT EQUIP AND FACILITIES (114-00)	ACQUIRE - MISC SUPPORT EQUIPMENT	ACQUIRE - MISC SUPPORT EQUIPMENT	0

Funding Source	Section of Statute	CFDA Number	Amount
88 P.L. 111-68 Transit Investments for Greenhouse Gas and Energy Reduction	88-GG	20523	\$1,008,600
Non-FTA Amount			\$112,066
Total Eligible Cost			\$1,120,666
Adjustment Amount			\$0
Gross Award Cost			\$1,120,666

Milestone Name: RFP/IFB Issued				
Milestone Description: RFP/IFB Issued				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
4	10/30/2011		6/30/2012	

Milestone Name: Contract Award				
Milestone Description: Contract Award				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
4	12/31/2011		8/24/2012	

Milestone Name: Contract Complete

Milestone Description: Contract Complete

Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
6	9/30/2012		3/31/2014	

Budget Activity Line Item: 11.7D.02 - EMPLOYEE EDUCATION/TRAINING

Line Item Description: 1. Operator: Regional Transportation Commission of Washoe County 2. Project Name: Electric Bus Project 3. ADA Project: No 4. Key Station Project: No 5. Project in RTIP: Yes 6. Project in STIP: Yes 7. Environmental Clearance: NEPA; Class IICE, 23 CFR 771.117 (C-170 8. Project Description: These funds will be used to train the mechanics, drivers and staff on the new technology for both the Charging Station and the electric buses. 9. Project Justification: Staff training is essential to implementing this project. RTC makes safety a priority for the staff, passengers and community. 10. Project Budget: The total cost of this project is \$5,167,128 and will be funded With TIGGER II monies. The training cost is estimated to be about \$80,000.

Line Item #	Scope Name / Code	Custom Item Name	Activity	Quantity
11.7D.02	OTHER CAPITAL ITEMS (BUS) (117-00)	EMPLOYEE EDUCATION/TRAINING	EMPLOYEE EDUCATION/TRAINING	0

Funding Source	Section of Statute	CFDA Number	Amount
88 P.L. 111-68 Transit Investments for Greenhouse Gas and Energy Reduction	88-GG	20523	\$71,923
Non-FTA Amount			\$7,992
Total Eligible Cost			\$79,915
Adjustment Amount			\$0
Gross Award Cost			\$79,915

Milestone Name: Employee Education/Training

Milestone Description: Employee Education/Training

Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
5	11/20/2013		6/30/2015	

Budget Activity Line Item: 11.71.03 - PROJECT MANAGEMENT - 3RD PARTY

Line Item Description: 1. Operator: Regional Transportation Commission of Washoe County 2. Project Name: Electric Bus Project 3. ADA Project: No 4. Key Station Project: No 5. Project in RTIP: Yes 6. Project in STIP: Yes 7. Environmental Clearance: NEPA; Class IICE, 23 CFR 771.117 (C-170 8. Project Description: These funds will be used to fund the cost of a dedicated project management consultant team to oversee this project for the next 3 years. The cost includes preparing a bus specification bid package, project management, oversight, administration and reporting. 9. Project Justification: A dedicated project management team will serve as liaison between project partners (including FTA); develop and execute the overall project management plan, coordinate roles and execution of tasks among all participants and most all bring the necessary expertise and talent to implement this new technology. 10. Project Budget: The total cost of this project is \$5,167,128 and will be funded With TIGGER II monies. The program management fee is estimated to cost \$300,000.

Line Item #	Scope Name / Code	Custom Item Name	Activity	Quantity
11.71.03	OTHER CAPITAL PROJECT ITEMS (BUS) (117-00)	MANAGEMENT - 3RD PARTY	PROJECT MANAGEMENT - 3RD PARTY	0

Funding Source	Section of Statute	CFDA Number	Amount
88 P.L. 111-68 Transit Investments for Greenhouse Gas and Energy Reduction	88-GG	20523	\$270,000
Non-FTA Amount			\$30,000
Total Eligible Cost			\$300,000
Adjustment Amount			\$0
Gross Award Cost			\$300,000

Milestone Name: RFP/IFB Issued				
Milestone Description: RFP/IFB Issued				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
6	5/1/2011		6/30/2012	

Milestone Name: Contract Award				
Milestone Description: Contract Award				
Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
4	6/30/2011		8/23/2012	

Milestone Name: Contract Complete

Milestone Description: Contract Complete

Revision#	Estimated Completion Date	Revised Completion Date	Actual Completion Date	Milestone Progress Remarks
5	6/30/2014		6/30/2016	