

Memorandum



Date: April 4, 2023

To: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

Agenda Item No. 8(N)(4)

From: Daniella Levine Cava
Mayor

A handwritten signature in blue ink that reads "Daniella Levine Cava".

Subject: Approving Terms of and Authorizing the County Mayor or County Mayor's Designee to Execute and File a Grant Application with the United States Department of Transportation Federal Transit Administration, for Fiscal Year 2021 Section 5339(c) Low or No Emission Grant Program Funding in the Amount of \$4,750,000

Executive Summary

The purpose of this item is to gain approval of the Board of County Commissioners (Board) for execution of a grant application for up to \$4,750,000 with the United States Department of Transportation (USDOT) Federal Transit Administration (FTA) to purchase 10 40-foot battery electric buses for the Department of Transportation and Public Works (DTPW). These buses would replace existing buses in the DTPW fleet, as the active fleet consists of 746 buses, approximately 10 percent of which (75 buses) have exceeded their useful life span based upon FTA guidelines. The delivery of these buses is anticipated by the end of 2023.

The total estimated cost of the new replacement buses is \$9,500,000. This grant will provide \$4,750,000, which represents FTA's federal share of 50 percent. Local funds will be provided for the required 50 percent match of \$4,750,000, which may possibly be Charter County Transportation Surtax (Surtax) funds. At the appropriate time, the contract intended to be funded with said matching surtax funds, as well as any required amendments to the PTP Five-Year Plan, will be forwarded to the Citizens' Independent Transportation Trust for its review and recommendation and subsequently to the Board for approval.

Recommendation

It is recommended that the Board approve the terms of and authorize the County Mayor or County Mayor's designee to execute and file a grant application on behalf of Miami-Dade County with USDOT FTA for Fiscal Year 2021 Section 5339(c) Low or No Emission Grant Program (Low-No Program) funding in the amount of \$4,750,000. This funding will be used to purchase 10 replacement 40-foot electric buses. A completed grant application must be submitted to FTA before federal funds can be awarded. The total project cost is \$9,500,000. It is further recommended that the Board authorize receipt and expenditure of funds as specified in the grant agreement. A public hearing is required in accordance with federal regulations.

Scope

This impact of this project benefits the riding public and is, therefore, countywide in nature.

Delegated Authority

Pursuant of Section 2-8.3 of the County Code, there are no delegations of authority beyond those specified in the attached resolution.

Fiscal Impact/Funding Source

This project is included in the Fiscal Year 2022-23 Adopted Budget and Multi-Year Capital Plan under Bus Related Projects (Program No. 673800 and Project No. 3001290 CIP147) with funding to be received and buses purchased in Fiscal Year 2023. The requested FTA funding for the 10 battery electric replacement buses will reduce the amount of local funding needed in accordance with DTPW's Fleet Replacement Plan, thereby, lessening the financial impact to the County.

The total estimated cost of the new replacement buses is \$9,500,000. This grant will provide \$4,750,000, which represents FTA's federal share of 50 percent. Local funds will be provided for the required 50 percent match of \$4,750,000.

It is anticipated that Charter County Transportation Surtax (Surtax) funds may be used as the matching funds for this project. At the appropriate time, the contract intended to be funded with said matching surtax funds, as well as any required amendments to the PTP Five-Year Plan, will be forwarded to the Citizens' Independent Transportation Trust for its review and recommendation and subsequently to the Board for approval.

Track Record/Monitor

The monitor for this federal application is Robert Villar, DTPW Chief Financial Officer. The Project Manager for the bus purchase is Carlos Delgado, P.E., DTPW, Infrastructure and Field Engineering Division.

Background

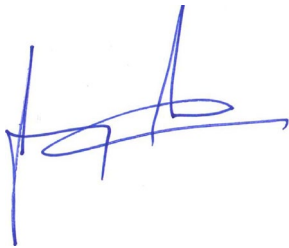
The Bipartisan Infrastructure Law (BIL) continues authorization under 49 U.S.C. 5339(c) to provide competitive grants for eligible projects under the Low-No Program. The purpose of the Low-No Program is to support the transition of the nation's transit fleet to the lowest polluting and most energy efficient transit vehicle technologies, thereby reducing local air pollution and direct carbon emissions, and to support the deployment of technologically advanced U.S.-made transit buses that have been largely proven in testing and demonstrations but are not yet widely deployed in transit fleets.

On February 18, 2021, the FTA published a Notice of Funding Opportunity soliciting proposals to compete for \$182,000,000 in Fiscal Year 2021 Low-No Program funding. In response to the solicitation, DTPW submitted a request for \$4,750,000 to purchase 10 battery electric buses to replace 10 older model traditional diesel buses that have exceeded their useful life span (12 years and/or 500,000 miles of service). The requested federal funding represented 50 percent of the total cost of the buses. DTPW proposed to provide the 50 percent required local match of \$4,750,000. On June 25, 2021, the USDOT announced the selection of 20 transit providers that would receive a share of the \$182,000,000 allocated for the Low-No Program.

Currently, DTPW's active fleet consists of 746 buses. Approximately 10 percent (75 buses) of the active fleet have exceeded their useful life span based upon FTA Circular 5010.1E, pages IV-25 (12 years and/or 500,000 miles of service). The fleet is comprised of 687 full size buses, 56 articulated buses and 3 minibuses. The average age of the fleet is 4.7 years.

In an effort to improve performance reliability and safety, DTPW has been involved in actively assessing opportunities to acquire the most effective technology for its Metrobus system and has investigated the feasibility of utilizing alternative fuels such as biodiesel, compressed natural gas and battery-electric vehicles in its transit bus fleet. In accordance with federal guidelines, DTPW has issued a Request for Proposals soliciting bids for the manufacturing and delivery of battery-electric transit buses and charging systems. DTPW anticipates the delivery and acceptance of the buses in 2023.

This project will maximize public health benefits by reducing diesel exhaust exposure. The reduction in emissions from this project will be a significant benefit for the people living in the operating service area and to DTPW's commitment to improving air quality, promoting public health and to providing safe, efficient, and reliable transportation for the riding public.



Jimmy Morales
Chief Operations Officer



MEMORANDUM
(Revised)

TO: Honorable Chairman Oliver G. Gilbert, III
and Members, Board of County Commissioners

DATE: April 4, 2023

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(N)(4)

Please note any items checked.

- "3-Day Rule" for committees applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Statement of social equity required
- Ordinance creating a new board requires detailed County Mayor's report for public hearing
- No committee review
- Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____) to approve
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(N)(4)
4-4-23

RESOLUTION NO. _____

RESOLUTION AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE AND FILE A GRANT APPLICATION WITH THE UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION FOR FISCAL YEAR 2021, SECTION 5339(c) LOW OR NO EMISSION GRANT PROGRAM FUNDING IN THE AMOUNT OF \$4,750,000.00; AUTHORIZING RECEIPT AND EXPENDITURE OF FUNDS PURSUANT TO SUCH APPLICATION AND AGREEMENT AND OF ANY ADDITIONAL FUNDS AS SPECIFIED IN THE AGREEMENT SHOULD SUCH FUNDS BECOME AVAILABLE

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference; and

WHEREAS, a public hearing has been conducted on Miami-Dade County's application for section 5339(c) Low or No Emission Grant Program (Low-No Program) funding as described in the accompanying memorandum,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that:

Section 1. This Board authorizes the County Mayor or County Mayor's designee to execute and file a grant application with the United States Department of Transportation Federal Transit Administration (FTA) for Fiscal Year 2021, section 5339(c) Low or No Program funding in the amount of \$4,750,000.00 for the purpose of purchasing 10 new electric replacement buses and further authorizes the County Mayor or County Mayor's designee to provide all necessary supporting documentation in the form of the template attached to the resolution.

Section 2. This Board authorizes receipt and expenditure of funds received pursuant to such application and agreement and further authorizes receipt and expenditure of any additional funds as specified in the agreement should they become available.

The foregoing resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

Oliver G. Gilbert, III, Chairman	
Anthony Rodríguez, Vice Chairman	
Marleine Bastien	Juan Carlos Bermudez
Kevin Marino Cabrera	Sen. René García
Roberto J. Gonzalez	Keon Hardemon
Danielle Cohen Higgins	Eileen Higgins
Kionne L. McGhee	Raquel A. Regalado
Micky Steinberg	


The Chairperson thereupon declared this resolution duly passed and adopted this 4th day of April, 2023. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

LUIS G. MONTALDO, CLERK AD INTERIM

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Bruce Libhaber

DOT

FTA

U.S. Department of Transportation

Federal Transit Administration

Application

Federal Award Identification Number (FAIN)	1089-2022-2
Temporary Application Number	1089-2022-2
Award Name	FY2021 FTA Lo-No Emissions Sec. 5339 (c)/Purchase of Battery Electric Buses Project
Application Status	In-Progress
Application Budget Number	0

Period of Performance Start Date	N/A
Original Period of Performance End Date	3/30/2027
Current Period of Performance End Date	N/A Revision #: N/A

Part 1: Recipient Information

Name: MIAMI-DADE, COUNTY OF

Recipient ID	Recipient OST Type	Recipient Alias	UEI	DUNS
1089	County Agency	Miami Dade Department of Transportation and Public Works		135722747

Location Type	Address	City	State	Zip
Headquarters	111 NW 1ST ST STE 2550	MIAMI	FL	33128
Physical Address	701 NW FIRST CT STE 1300	MIAMI	FL	33136
Mailing Address	111 NW 1ST	MIAMI	FL	33128

Union Information

Union Name	TRANSPORT WORKERS UNION Local 291
Address 1	6355 NW 36th Street
Address 2	Suite # 502

City	Virginia Gardens
State	FL
Zipcode	33166
Contact Name	Jeffrey Mitchell
Telephone	(786) 586-7851
Fax	
E-mail	291unionman@gmail.com
Website	
Union Name	Government Supervisors Association of Florida(GSAF), Supervisory & Professional, Local 100
Address 1	3600 Red Road, Ste. 405
Address 2	
City	Miramar
State	Florida
Zipcode	33025
Contact Name	Greg Blackman
Telephone	305-477-9644
Fax	
E-mail	gsafgreg@bellsouth.net
Website	
Union Name	American Federation of State, County and Municipal Employees (AFSCME), Local 199
Address 1	6405 NW 36th Street
Address 2	Ste. 113
City	Miami
State	Florida
Zipcode	33166
Contact Name	SeAdoreia Brown
Telephone	305-805-1075
Fax	
E-mail	seadoreia@gmail.com
Website	

Part 2: Application Information

**Title: FY2021 FTA Lo-No Emissions Sec. 5339 (c)/Purchase of
Battery Electric Buses Project**

FAIN	Application Status	Award Type	Date Created	Last Updated Date	From TEAM?
1089-2022-2	In-Progress	Grant	11/29/2021	11/29/2021	No

Application Executive Summary

This is a Grant Application for the Low or No Emission Grant Program for FTA Section 5339 (c) for FFY 2021 Bus and Bus Facilities Discretionary grant application in the amount of \$9,500,000 to purchase ten (10) Forty-Foot Battery Electric Transit Buses. On June 25, 2021, United States Department of Transportation, Federal Transit Administration (FTA), announced that Miami-Dade Department of Transportation and Public Works (DTPW) Bus Replacement Program was selected as a recipient to receive funding under FTA Project ID Number D2021-LWNO-012.

DTPW has attached the completed Grants.Gov application which includes the SR 424 form and the Federal Register Notice Volume 86, published on February 18, 2021. Also, DTPW confirms that efforts are consistent with Clean Air Act (CAA) compliance as outlined in the FTA Circular C-5100.1 page III-8.

DTPW will ensure that all vehicles purchased are accessible, purchased from an FTA approved Transit Vehicle Manufacturers (TVM), and reported to FTA within 30 days after contract is signed. DTPW will also check the current listings of Transit Vehicle Manufacturers (TVM) to ensure each is listed as a certified TVM in compliance with FTA regulations.

The FTA Section 5339(c) Bus and Bus Facilities Program funding for this grant application is identified as item # FM-450502-1, in the current Florida Department of Transportation (FDOT) Five-Year Work Program (2023-2027).

The Miami-Dade Transportation Planning Organization (TPO) Resolution (R-#15-2022), approved on May 5, 2022, and this project was added to the Transportation Improvement Plan (TIP). On May 23, 2022, this project was added to the State Transportation Improvement Plan (STIP) by approval of amendment (22-12F). A copy of the pages showing the item in the STIP and TPO documents are attached to the application.

DTPW will provide a local cash match in the amount of \$4,750,000 which represents 50% of the requested funding for Fiscal Year (FFY) 2021 FTA Section 5339 Bus & Bus Facilities grant Program funds. The project is included in the FY 2022-23 Adopted Budget and Multi-Year Capital Plan under the Bus Related projects (Program No. 673800)/Project No. 3001290 CIP 147) with funding to be received and buses purchased in FY 2023.

The Program of Projects (POP) from the Miami Herald Public Hearing Notice dated _____ is attached to the application document section.

DTPW will follow all third-party procurement policies as defined in C 4220.1F (Third Party Contracting Guidance) and will ensure contractors procured will not be on the FTA Suspension and Debarment list.

Frequency of Milestone Progress Reports (MPR)

No Selection Made

Frequency of Federal Financial Reports (FFR)

No Selection Made

Does this application include funds for research and/or development activities?

This award does not include research and development activities.

Pre-Award Authority

This award is using Pre-Award Authority.

Does this application include suballocation funds?

Recipient organization is the Designated Recipient and can apply for and receive these apportioned funds.

Will this Grant be using Lapsing Funds?

No Selection Made

Will indirect costs be applied to this application?
 This award does not include an indirect cost rate.

Indirect Rate Details: N/A

Requires E.O. 12372 Review
 No, this application does not require E.O. 12372 Review.

Delinquent Federal Debt
 No, my organization does not have delinquent federal debt.

Award Description

Purpose

To purchase 40-foot battery electric buses.

Activities to be performed:

Provide safe and efficient transit bus services to the riding public.

Expected outcomes:

Enhance DTPWs Bus system state of good repair using emission free buses.

Intended beneficiaries:

Miami-Dade Transit Patrons.

Subrecipient Activities:

None.

Application Point of Contact Information

First Name	Last Name	Title	E-mail Address	Phone
Edward	Carson	Manager - Grant Administration	ecarson@miamidade.gov	786-469-5545

Application Budget Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5339 – Buses and Bus Facilities Competitive	5339-3	20526	\$4,750,000
Local			\$0
Local/In-Kind			\$4,750,000
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$0
Adjustment			\$0
Total Eligible Cost			\$9,500,000

Application Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
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1089-2022-2-P1	111-00 (111-)	BUS - ROLLING STOCK	\$4,750,000.00	\$4,750,000.00	\$9,500,000.00	10
1089-2022-2-P1	11.12.01	BUY REPLACEMENT 40-FT BUS- Battery Electric	\$4,750,000.00	\$4,750,000.00	\$9,500,000.00	10

Discretionary Allocations

This application does not contain discretionary allocations.

Part 3: Project Information

Project Title: DTPW Electric Bus Purchase for Bus Replacement Program

Project Number	Temporary Project Number	Date Created	Start Date	End Date
1089-2022-2-P1	1089-2022-2-P1	8/16/2022	6/24/2013	1/30/2024

Project Description

Miami-Dade County (County) Department of Transportation and Public Works (DTPW) will use the federal funding requested in this grant application for ten (10) -40-foot Battery Electric Buses Purchase for Bus Replacement Program Project, which was selected by the U.S. Department of Transportation's (USDOT) Federal Transit Administration (FTA) to receive \$4,750,000 in Fiscal Year (FY) 2021 Section 5339 (c) Low or No Emission Grant Program (Low-No Program) discretionary funding under FTA Project ID Number D2021-LWNO-012. This funding will be used to purchase ten (10) forty-foot battery electric buses that will replace older model diesel buses that have exceeded their useful life span based upon FTA Circular 9030.1E (12 years and/or 500,000 miles of service). The total estimated cost of the 10 buses is \$9,500,00. The FTA's participation of \$4,750,000 represents 50 % of the estimated project cost. DTPW will provide the 50% local match of \$4,750,000.

Project Benefits

This project benefits the County as it supports its efforts to improve the environment, reduce harmful emissions and provide safe reliable transportation to the riding public.

Additional Information

None provided.

Location Description

Miami-Dade County, Miami, Florida

Project Location (Urbanized Areas)

UZA Code	Area Name
120180	Miami, FL

Congressional District Information

State	District	Representative
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Florida	23	Debbie Wasserman Schul
Florida	24	Frederica S Wilson
Florida	25	Mario Diaz-Balart
Florida	26	Carlos A. Gimenez
Florida	27	Maria Elvira Salazar

Program Plan Information

STIP/TIP

Date: N/A

Description: N/A

UPWP

Date: N/A

Description: N/A

Long Range Plan

Date: N/A

Description: N/A

Project Control Totals

Funding Source	Section of Statute	CFDA Number	Amount
5339 – Buses and Bus Facilities Competitive	5339-3	20526	\$4,750,000
Local			\$0
Local/In-Kind			\$4,750,000
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$0
Adjustment			\$0
Total Eligible Cost			\$9,500,000

Project Budget

Project Number	Budget Item	FTA Amount	Non-FTA Amount	Total Eligible Amount	Quantity
1089-2022-2-P1	111-00 (111-) BUS - ROLLING STOCK	\$4,750,000.00	\$4,750,000.00	\$9,500,000.00	10
1089-2022-2-P1	11.12.01 BUY REPLACEMENT	\$4,750,000.00	\$4,750,000.00	\$9,500,000.00	10

40-FT BUS-
Battery Electric

Project Budget Activity Line Items

Budget Activity Line Item: 11.12.01 - BUY REPLACEMENT 40-FT BUS-Battery Electric

Scope Name / Code	Line Item #	Line Item Name	Activity	Quantity
BUS - ROLLING STOCK (111-00)	11.12.01	BUY REPLACEMENT 40-FT BUS	BUY REPLACEMENTS - CAPITAL BUS	10

Extended Budget Description

Miami-Dade Department of Transportation and Public Works (DTPW) will use the federal funding applied for in this grant application to purchase ten (10) new forty-foot, low-floor electric buses. As part of DTPW's Bus Replacement Plan and its efforts to improve the environment and reduce harmful emissions, these buses will replace older model diesel buses that have reached their useful life span based upon the Federal Transit Administration (FTA) Circular 9030. 1E (12 years and/or 500,000 miles of service). A list of buses to be replaced is attached to the Application Documents section. The buses will be equipped with closed circuit television surveillance system, wireless router for transit signal priority (TSP) and Wi-Fi, wheelchair ramp, LED interior lighting and other technical equipment. The estimated project cost of the buses is \$9,500,000. The FTA's participation of \$4,750,000 represents 50% of the estimated project cost. DTPW will provide the 50% local match of \$4,750,000 from Transit System Surtax-Backed Bond proceeds. The estimated useful life of the new buses is 12 years and/or 500,000 miles of service based upon FTA Circular 9030.1E.

Will 3rd Party contractors be used to fulfill this activity line item?

Yes, 3rd Party Contractors will be used for this line item.

Propulsion	Fuel Type	Vehicle Condition	Vehicle Size (ft.)
N/A	Electric Propulsion	New	40-foot

Funding Source	Section of Statute	CFDA Number	Amount
5339 – Buses and Bus Facilities Competitive	5339-3	20526	\$4,750,000
Local			\$0
Local/In-Kind			\$4,750,000
State			\$0
State/In-Kind			\$0
Other Federal			\$0
Transportation Development Credit			\$0
Adjustment			\$0
Total Eligible Cost			\$9,500,000

Milestone Name	Est. Completion Date	Description
RFP/IFB Issue Date	6/24/2013	The RFP/IFB was issued on 06/24/13 and this is being reported as an actual completion date.

Contract Award Date	12/11/2018	The Contract Award was issued on 12/11/18 and this is being reported as an actual completion date.
Initial Delivery Date	8/13/2021	The pilot bus was delivered and this is being reported as an actual completion date.
Final Delivery Date	1/30/2023	All remaining buses should be delivered by 01/30/2023.
Contract Completion Date	1/30/2024	The anticipated Contract Completion should be by 01/30/2024.

Project Environmental Findings

Finding: Class II(c) - Categorical Exclusions (C-List)

Class Level Description

Class II(c) consists of projects that do not have a significant environmental impact on the human or natural environment and are therefore categorically excluded from the requirement to prepare an environmental assessment or an environmental impact statement. FTA requires a sufficient project description to support a CE determination. The project may require additional documentation to comply with other environmental laws.

Categorical Exclusion Description

Type 07: Acquisition, installation, rehabilitation, replacement, and maintenance of vehicles or equipment, within or accommodated by existing facilities, that does not result in a change in functional use of the facilities, such as: equipment to be located within existing facilities and with no substantial off-site impacts; and vehicles, including buses, rail cars, trolley cars, ferry boats and people movers that can be accommodated by existing facilities or by new facilities that qualify for a categorical exclusion.

Date	Description	Date
	Class IIc CE Approved	

Scope Name / Code	Line Item Number	Line Item Name	Quantity	FTA Amount	Total Eligible Cost
BUS - ROLLING STOCK (111-00)	11.12.01	BUY REPLACEMENT 40-FT BUS-Battery Electric	10	\$4,750,000.00	\$9,500,000.00

Part 4: Fleet Details

Fleet Type: Other

Fleet Comments

Miami-Dade Transit Metrorail active fleet is 136
Miami-Dade Transit Metromover active fleet is 29

		Current Value
I.	Active Fleet	
	A. Peak Requirement	21

	B. Spares	8
	C. Total (A+B)	29
	D. Spare Ratio (B/A)	38.1%
II.	Inactive Fleet	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	Total (I.C and II.C)	29

Fleet Type: Fixed Route

Fleet Comments

As of 03/31/21, DTPW has purchased 560 CNG Buses.

		Current Value
I.	Active Fleet	
	A. Peak Requirement	634
	B. Spares	127
	C. Total (A+B)	761
	D. Spare Ratio (B/A)	20.03%
II.	Inactive Fleet	
	A. Other	12
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	Total (I.C and II.C)	761

Fleet Type: Heavy Rail

Fleet Comments

03.31.2021. Increased Spares to 64. Fleet replacement program continues.

DTPW is in the process of obtaining new cars. DTPW has 136 Metrorail cars in its fleet. The fleet is 30 years old and did not receive a mid-life overhaul.

Based on this arrangement and including the failure management cars in reserve, then DTPW's current PVR is 76 cars. This results in 20 spare vehicles. DTPW has 76 pending disposals.

Based on this methodology DTPW's current spare ratio is 63.1%.

Currently DTPW mostly runs four car trains. However, some runs at peak hour consist of six (6) car trains.

		Current Value
I.	Active Fleet	
	A. Peak Requirement	76
	B. Spares	64

	C. Total (A+B)	140
	D. Spare Ratio (B/A)	84.21%
II.	Inactive Fleet	
	A. Other	0
	B. Pending Disposal	0
	C. Total (A+B)	0
III.	Total (I.C and II.C)	140

Part 5: FTA Review Comments

There are no review comments to display at this time.