TPB REGIONAL PUBLIC TRANSPORTATION SUBCOMMITTEE (RPTS)

Tuesday, June 27, 2023 12:00 – 2:00 P.M.

Chair: Nick Ruiz, VRE

VIRTUAL MEETING

AGENDA

	AGENDA
12:00 P.M.	1. WELCOME
12:05 P.M.	2. EASTERN PANHANDLE TRANSIT AUTHORITY'S SILVER LINE CONNECTION Matt Mullenax, Hagerstown-Eastern Panhandle MPO Executive Director
12:25 P.M.	3. LOUDOUN COUNTY TRANSIT UPDATE Penny Newquist, Loudoun County DTCI Assistant Director Gladys Hurwitz, Loudoun County Transit Administrator
12:45 P.M.	4. FREDERICK COUNTY TRANSIT UPDATE Roman Steichen, Frederick County Director of Transit Services Jaime McKay, Frederick County Deputy Director of Transit Services

- 1:05 P.M. 5. HYATTSVILLE'S PLANS FOR COOL GREEN BUS SHELTERS
 Lesley Riddle, City of Hyattsville Director of Public Works
 David R. Tilley, Living Canopies Co-Founder
- 1:25 P.M. 6. ENHANCED MOBILITY PROGRAM GRANT SOLICITATION

 Mohammad Khan, TPB Enhanced Mobility Program Manager
- 1:45 P.M. 7. OTHER BUSINESS
- 2:00 P.M. 8. ADJOURN

The next regular meeting of the RPTS is July 23, 2023 and is in-person/hybrid.

Reasonable accommodations are provided upon request, including alternative formats of meeting materials. Go to www.mwcog.org/accommodations or call (202) 962-3300 | (202) 962-3213 (TDD) for more info.

EPTA Silver Line Connection

Matt Mullenax, Hagerstown/Eastern Panhandle MPO

TPB Regional Public Transportation Subcommittee - June 27, 2023

Agenda

EPTA System Overview Commuter Bus Service **Proposed Stops Funding Opportunities Next Steps**



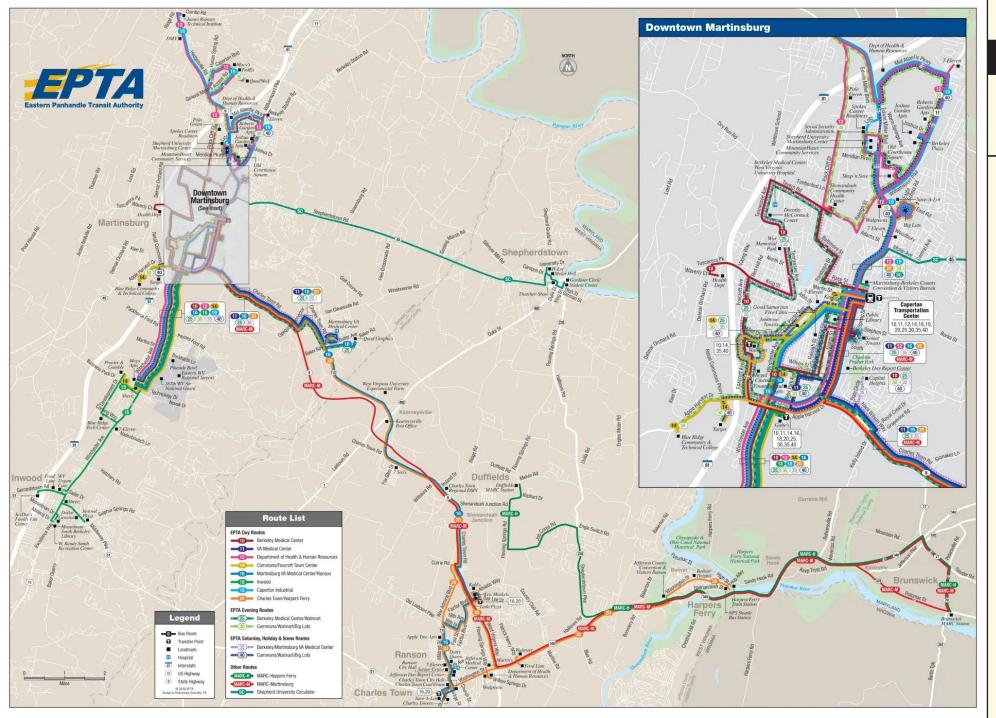


EPTA System Overview

- Eastern Panhandle Transit Authority (EPTA) is a small urban system operating in Berkeley and Jefferson Counties, West Virginia
- EPTA provides contracted route service to Harpers Ferry National Historical Park, Shepherd University and Maryland Area Regional Commuter (MARC) train.
- > 150,000 annual ridership
- 26 Vehicles



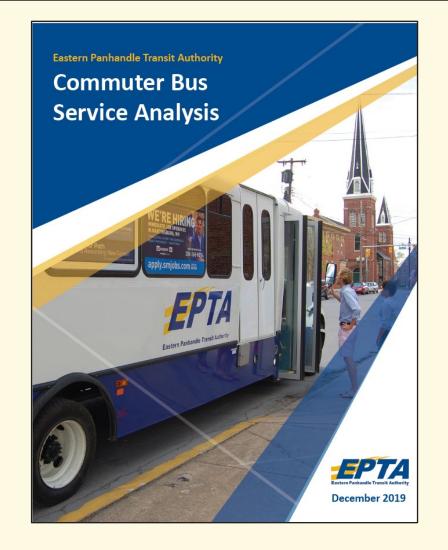


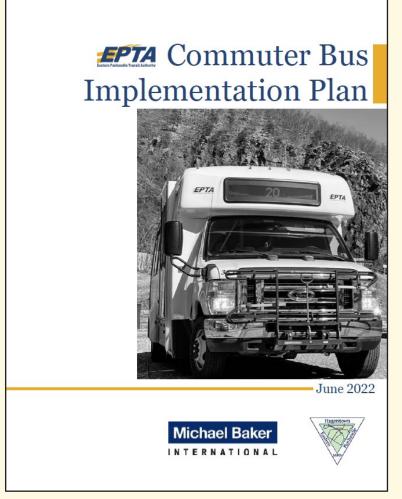






Commuter Bus Service

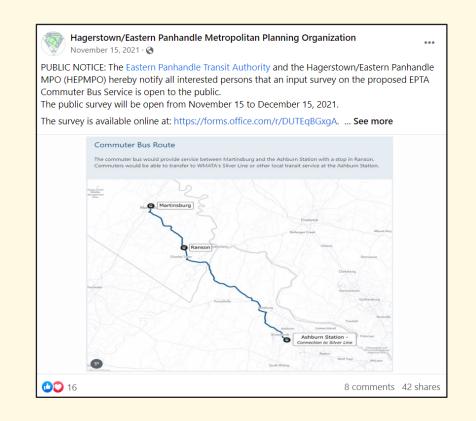




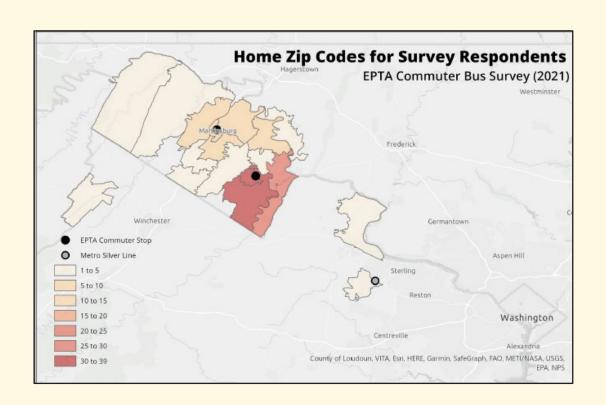


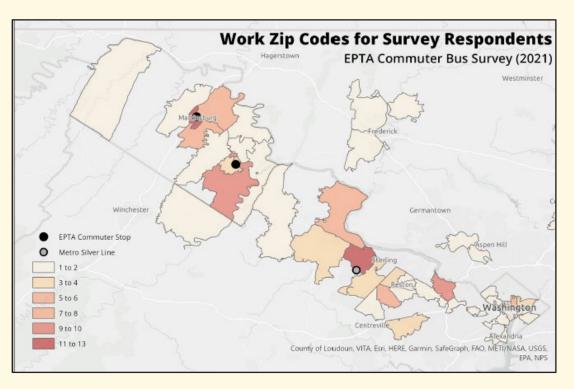
Project Activities

- Public Survey 228
 Participants
 - Interest in taking this service (78%)
 - Preferred morning and afternoon departure times
 - Home and work ZIP codes
 - Start and end of the workday
 - Impact of COVID-19 on commuting patterns
 - Deciding factors for choosing to take the commuter service
 - Current transit usage.











Two Medium Duty Commuter Buses - 1 Trip Each

Morning Southbound Service

Martinsburg, WV		Ranson, WV		Ashburn, VA		Martinsburg, WV	
Arrive	Depart	Arrive	Depart	Arrive	Depart	Arrive	Depart
_	6:00 AM	6:25 AM	6:30 AM	7:25 AM	7:35 AM	8:50 AM	-
-	7:00 AM	7:25 AM	7:30 AM	8:35 AM	8:45 AM	10:00 AM	-

Afternoon Northbound Service

Martinsburg, WV		Ashburn, VA		Ranson, WV		Martinsburg, WV	
Arrive	Depart	Arrive	Depart	Arrive	Depart	Arrive	Depart
_	4:45 PM	5:50 PM	6:00 PM	6:55 PM	7:00 PM	7:25 PM	-
-	5:45 PM	6:50 PM	7:00 PM	7:50 PM	7:55 PM	8:20 PM	-





Operating Costs

Martinsburg to Silver Line via 9

	Mor	ning	Aftern	ioon	Total		Cost		
	Miles	Hours	Miles	Hours	Miles	Hours	\$/Mi	\$/Hr	Total
Per Day	190.4	4.92	191.4	5.25	381.8	10.17	\$908.68	\$439.40	\$1,348.09
Weekly	952.0	24.58	957.0	26.25	1,909.0	50.83	\$4,543.42	\$2,197.02	\$6,740.44
Annually	49,504.0	1,278.33	49,764.0	1365.00	99,268.0	2,643.33	\$236,257.84	\$114,244.87	\$350,502.71

Martinsburg to Silver Line via 9						
	Total Miles	Total Hours	Mileage Based Cost	Hourly Based Cost	Total Cost	
Per Day	381.8	10.2	\$908.68	\$439.40	\$1,348.09	
Weekly	1,909.0	50.8	\$4,543.42	\$2,197.02	\$6,740.44	
Annually	99,268.0	2,643.3	\$236,257.84	\$114,244.87	\$350,502.71	





Ridership & Fare Structure

- Two 34' Buses
 - Capacity of 33 Passengers per bus
- Max Ridership 66
 Passengers
- Potential Ridership –
 126 Passengers
 - Exceeds bus capacity
- Daily One-way Fare: \$7.00
- Discounted Daily Pass: \$10.50

	Year 1	Year 2	Year 3
Total Riders per Bus	23	30	33
Total Riders in Morning/Afternoon Period	46	60	66
Total Daily Riders	92	120	132





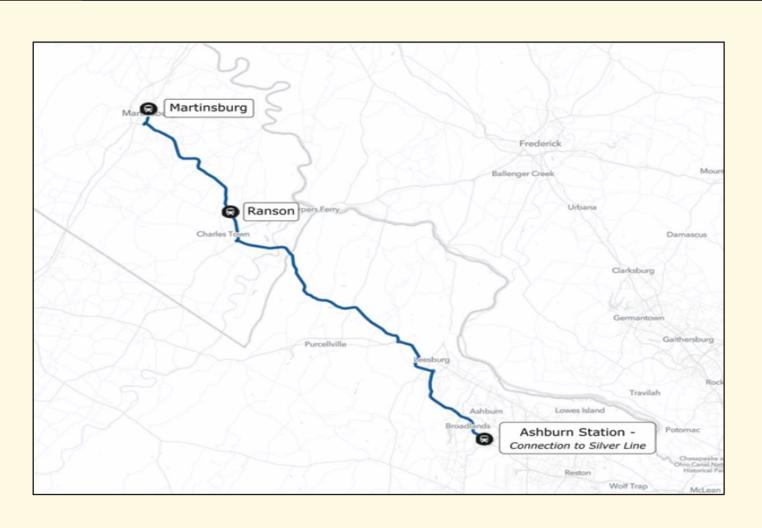
Emissions Benefits

Pollutant	Total kg/day		
Carbon Monoxide (CO)	6.120		
Particulate Matter < 2.5 μ m (PM _{2.5})	0.018		
Particulate Matter <10 μ m (PM ₁₀)	0.082		
Nitrogen Oxide (NOx)	0.012		
Volatile Organic Compounds (VOC)	0.048		
Carbon Dioxide Equivalents (CO ₂ e)	8.700		
Total Energy Consumption (MMBTU)	649.057		





Proposed Stops







Martinsburg, WV

- EPTA's New Transit Center at 90% Design
- 6,200 ft² Administration Building
- 24,000 ft² Maintenance & Storge Facility
- 5,700 ft² Bus Transfer Center w/ six bus bays
- Increased parking, ADA parking and EV in Downtown area.
- Construction completion anticipated March 2025.

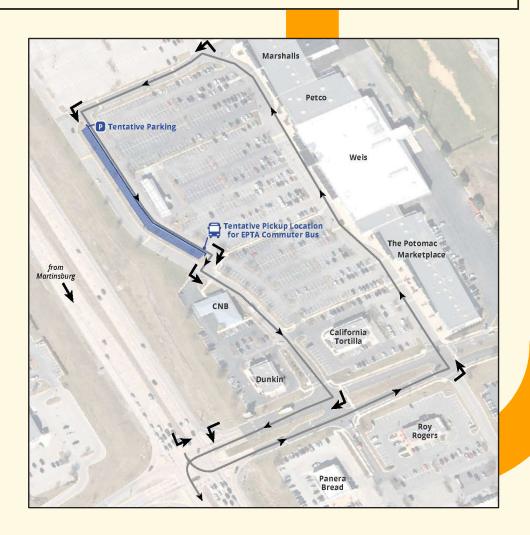






Ranson, WV

- Adjacent to Weis Gas N
 GO
 - Minimize conflicts with patrons
- 49 dedicated parking spots
- Signs denoting parking & stop

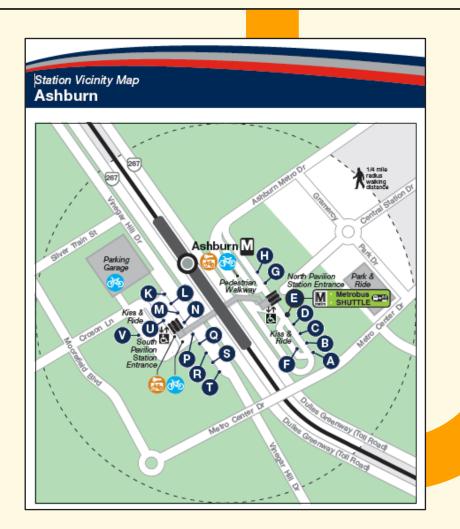






Ashburn, VA

- South Pavilion
- Dedicated Bus Bay V
- Signs denoting parking & stop
- Connecting Service:
 - WMATA's Silverline
 - Loudoun County Transit

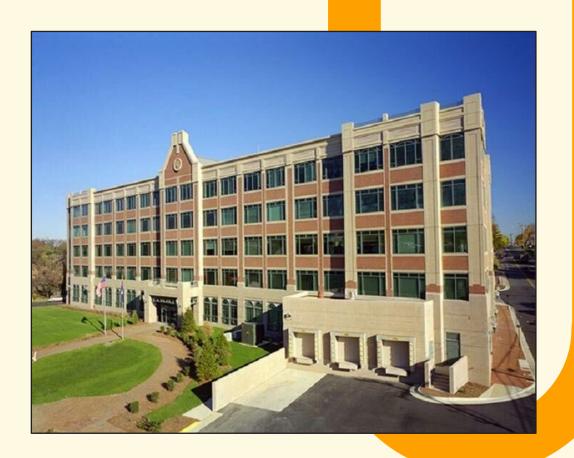




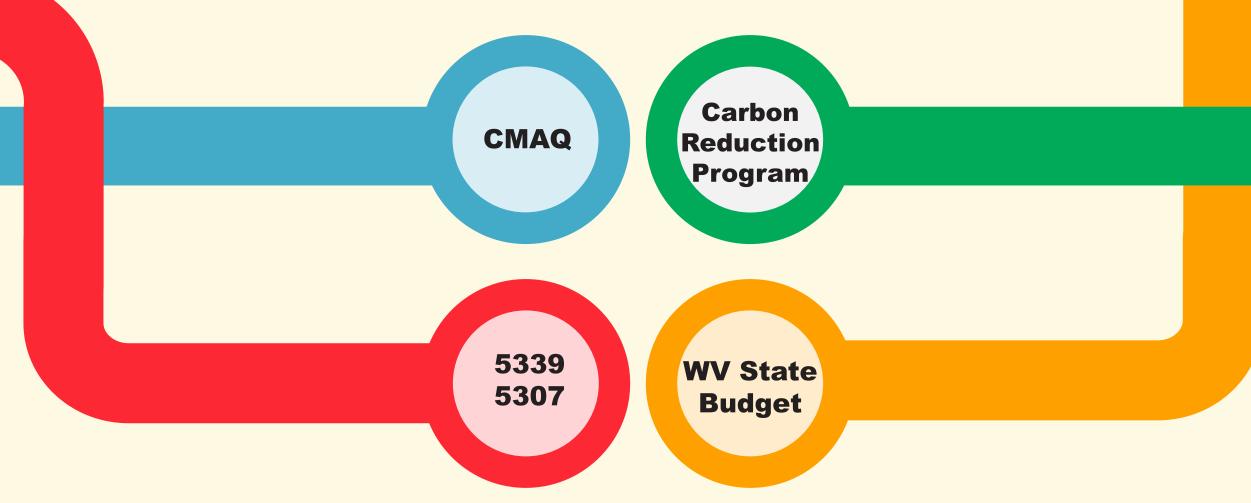


Leesburg, VA (potential future connection)

- Identified as a potential future connection
- Proposed route can be adjusted slightly to reach this identified employment destination









Next Steps

Task	Subtask	Timeframe
Funding	Secure funding for the vehicles	-
Funding	Continue to scan for NOFOs for competitive grants	Ongoing / Monthly
	Purchase and order commuter buses	18 Months
Due Dragurom ont	Delivery of commuter buses	6 Months
Bus Procurement	PASSIO Transit Software installation and integration	5-6 Months
& On-boarding	Prepare training materials for drivers	4 Months
	Driver training	1-2 Months
	Work with WV DPT to finalize logo and bus branding	18-20 Months
	Identify potential partners and events for targeted outreach	8-12 Months
	Develop marketing materials and signage	4-5 Months
Marketing	Update website to include route & schedule information	3 Months
	Begin marketing commuter bus service	3 Months
	Fabrication of bus stop signage/wayfinding	2 Months
	Install bus stop signage/wayfinding	2-3 Weeks
	Test run of commuter service	5 Months
Service	Finalize bus schedules based on test run	4 Months
	Finalize MOUs	3 Months
Post-		On-going
	Evaluate service and ridership	beginning 1 Month
Implementation		After Start of Service

Thank you!

Matt Mullenax

mmullenax@hepmpo.net



Loudoun County Transit and Commuter Services Snapshot

TPB Regional Public Transportation Subcommittee Meeting

June 27, 2023

Purpose: Provide an update on Loudoun County Transit and Commuter Services

- Overview of Transit
 - Types of Transit Services
 - Who are our riders?
 - Snapshot of transit service
 - Pre Pandemic, Post Pandemic, and Today
 - Efforts to increase ridership
 - Commuter Services
 - Employer Services
 - Recent Planning Efforts



Loudoun County Transit

Bus Services and fares

- Commuter bus
- Local bus service
- Paratransit service

Passenger resources

- Park and ride options
- Bike racks on buses
- Bus Biz rider alerts
- Transit app



loudoun.gov/transit



Snapshot: Who are our riders?

Commuter Bus

Race Ethnicity

 Majority white (73.1% of riders) with smaller proportions making up the remaining riders.

Income

- Fewer than 3% with income below \$75,000
- 79.2% Household income of \$150,000 or more
- Overall 97.5% had income in excess of \$75,000

Language Spoken at Home and English Proficiency

 83.5% do not speak a language other than English

Disability

 96.1% did not identify as having a disability





Local Bus

Race Ethnicity

Minority riders makeup 69.1%

Income

 74.7% fall below low income threshold (High concentration of low income riders at or below \$75,000)

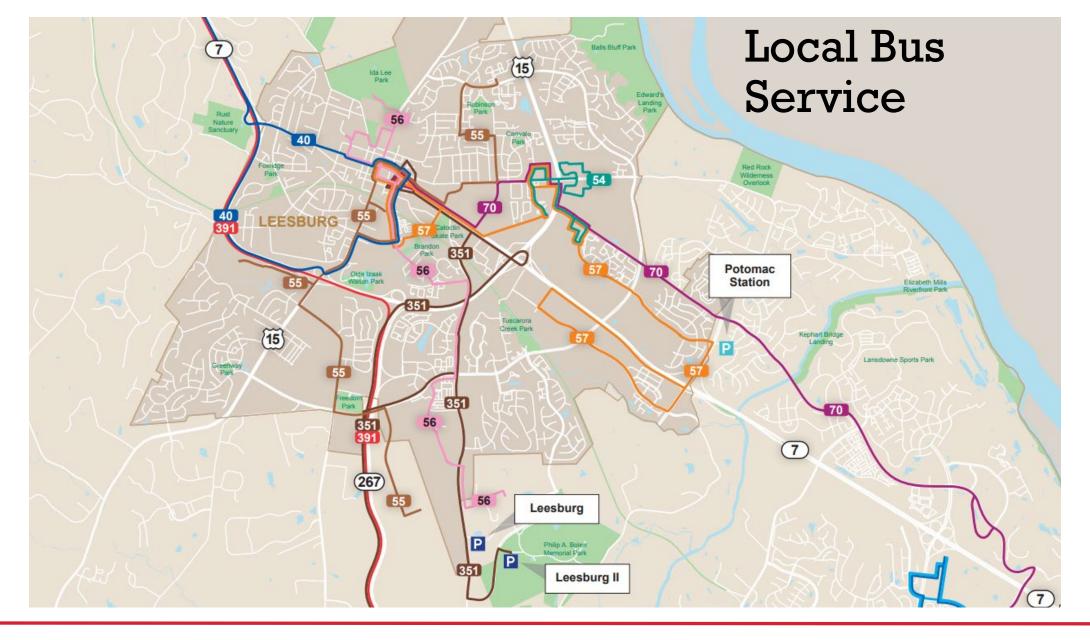
Language Spoken at Home and English Proficiency

- 64.1% speak English at home
- Of the 35.9% who speak a different language at home, Spanish was spoken.

Disability

 90.3% did not identify as having a disability







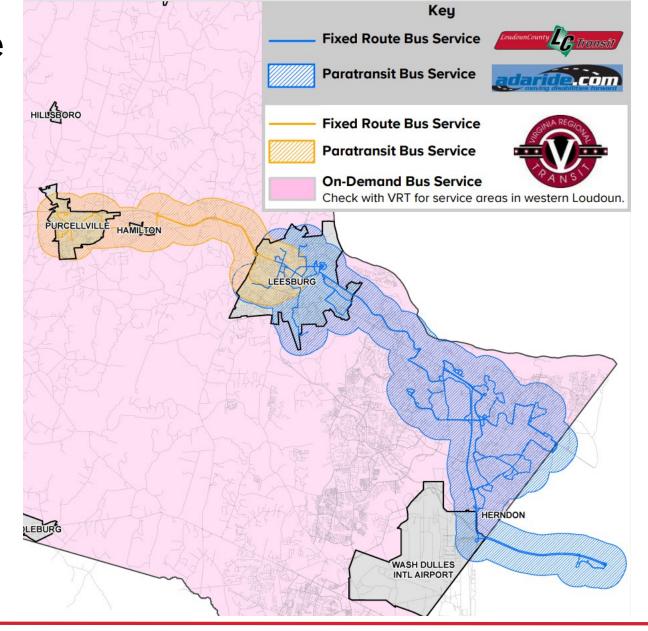
Commuter Bus Service



- 12 routes with service to/from Rosslyn, Crystal City, the Pentagon, and Washington DC
- Operates Mon-Fri Excluding Federal Holidays during peak hours

loudoun.gov/transit

Paratransit Service





Ridership Snapshot: The past and today

Transit	Pre- Pandemic	Post - Pandemic	Strike	Today (5/23)
Local Bus	12 routes/~ 1000 Daily Riders	~ 850 Daily Riders	~ 750 Daily Riders	~1300 Daily Riders
Commuter	~4000-4500	~500 Daily	0	~1300 Daily
Bus	Daily Riders	Riders		Riders
Paratransit	~45 Daily	~75 Daily	~ 55 Daily	~70 Daily
	Riders	Riders	Daily Riders	Riders



Commuter Services

Assist public with options:

- Transit
- Carpools/vanpools
- Biking/walking to work

Access to incentives:

- incenTrip
- Guaranteed Ride Home

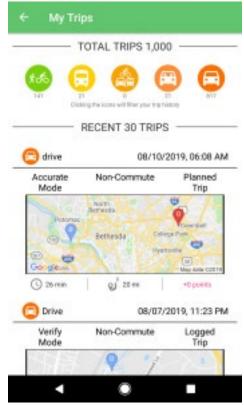


Visit: Loudoun.gov/commute

What is incenTrip?

- Earn Cash by Choosing a smart commute!
- App users can earn up to \$600 per calendar year by traveling via transit, bike, walking, carpool, or vanpool.

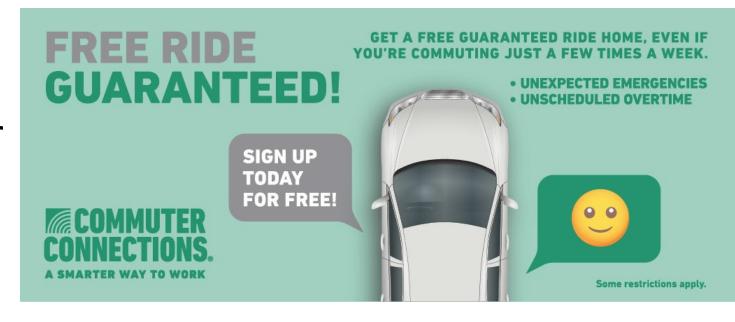




Visit: Loudoun.gov/commute

Benefits of Guaranteed Ride Home

 Providers commuters who take transit, carpool, vanpool, bike or walk to work at least twice a week with up to six FREE reliable rides home when an unexpected emergency arises.



Visit: Loudoun.gov/commute

Employer Services

- Assessment of commuting patterns.
- Personalized trip planning.
- Carpool and vanpool formation.
- Transportation e-newsletter.
- Recognition opportunities.
- Transit benefit assistance.









Re-Discover Your Ride (Transit)

- Goal: To increase public awareness about Loudoun County Transit services and Covid safety procedures.
- Timeline: January to March 2022
- Funding: DRPT grant
- Languages: English & Spanish
- Venues: Radio, Social Media, Digital Display and Digital out-of-home (DOOH)
- Results:
 - Top message was public health
 - 9.6 M impressions
 - 47,000 CTR @ loudoun.gov/riderinformation





Let's Go

- Goal: To increase public awareness of Loudoun County's commuting options.
- Timeline: May and June 2022
- Funding: DRPT grant
- Languages: English & Spanish
- Venues: Social Media, Google Display, Wunderkind Display, DOOH and Radio
- Messages: About Loudoun County's -
 - cost-effective commuting options
 - transit system
 - o commuting programs (via DRPT and Commuter Connections)





Recent Planning Efforts

- Paratransit Service Area Boundary Study (FY2023)
- Park and Ride Lot Study (FY2021)
- Title VI Program Update (FY2023)
- Commuter Assistance Program Strategic Plan (ongoing)
- Transit Strategic Plan (ongoing)

Questions?

Thank you!

For more information or assistance:

703-771-5665

VISIT: Loudoun.gov/transit

EMAIL: transit@loudoun.gov





TRANSIT SERVICES DIVISION FREDERICK COUNTY GOVERNMENT





Who we are

- Dedicated public servants
- Social workers
- ► Heavy equipment operators
- ► First responders
- Engaged community members
- Sometimes, the only friendly face an older adult sees
- ► Transit staff



Driving principles

- Deliver Reliable and Convenient Service
- Building a Safe and Resilient Transit Environment
- Re-Envisioning the Customer Experience
- Invest in Our People and Our Community



Transit Services continues to expand and grow

- New rural Shuttles
- Ridership rebound



Transit Services has a sizable electric bus fleet

- 5 CCWs
- 4 BYDs



Transit Services connects to regional transportation

 Potential future connections with VRT and rabbittransit



Transit Services, like many other agencies, has operational challenges to address

- Driver Recruitment and Retention
- Aging Staff
- Vehicle / PartsShortages

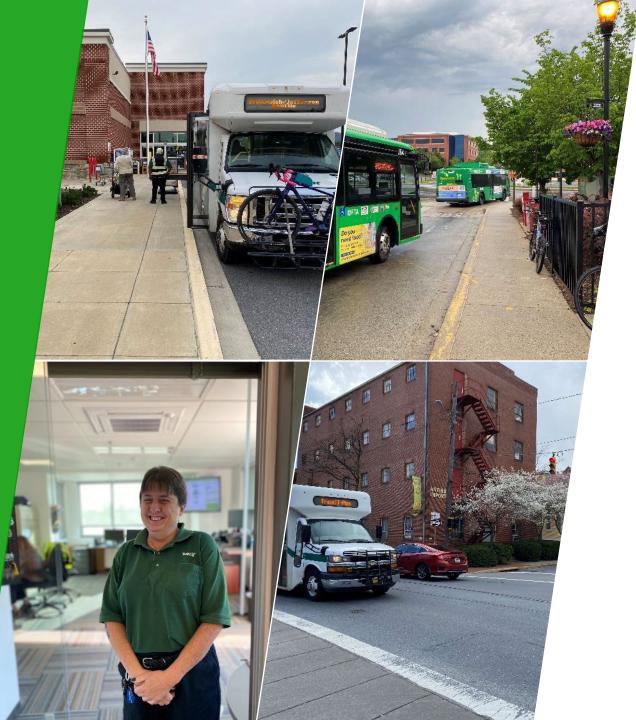


Transit Services is operating in a growing community and needs to expand outreach and education.



Transit Services continues to engage, innovate, and create opportunities for the community.





Who we serve

- Connectors serve the urbanized area in the City of Frederick, Walkersville, and select portions of Frederick Co.
- ▶ Urban shuttles serve North Frederick (Wormans Mill, Dearbought, Schifferstadt), East Frederick (Spring Ridge), and Route 85 Corridor
- Rural shuttles serve Brunswick,
 Jefferson, Emmitsburg,
 Thurmont, Point of Rocks
- Paratransit (Transit-plus) serves all of Frederick County from PA to VA!



Ridership trends

	Connectors	Shuttles	Transit-Plus	Taxi Access
FY18	520,498	46,137	41,585	6,979
FY19	505,421	45,771	42,661	8,734
FY20	416,831	32,543	34,028	9,059
FY21	366,372	19,917	24,556	6,770
FY22	488,144	28,305	32,717	5,872
FY23 through May	603,241	33,494	48,163	6,204

Ridership trends

- Busiest Connector Routes:
 - ▶ 40 Connector: 86,000+ trips through April 2023
 - ▶ 20 Connector: 77,000+ trips through April 2023
 - ▶ 10 Connector: 62,000+ trips through April 2023
- ► Busiest Shuttle Routes:
 - ► North Frederick: 7,600+ trips through April 2023
 - ► East Frederick: 5,800+ trips through April 2023
 - ▶ Brunswick/Jefferson: 5,500+ trips through April 2023
- ▶ Busiest Months for Transit-plus:
 - ► August (4,500+ trips)
 - ► March (4,200+ trips)
 - ➤ September (4,000+ trips)





Post Pandemic Challenges & Changes

- Operational Challenges
 - Driver shortages and aging staff
 - ► Vehicle shortages
 - Competitive Pay
- ► Fare Free operations (March 2020 to present)

- ► Transportation Development Plan (TDP)
- ARPA Funding and projects
- ► New + improved outreach
 - Events
 - Marketing & Communications
 - ► TDM Strategies

Bus stops placement

- Challenges with people parking in bus stops
 - ► Coordination with the City of Frederick and Frederick County to improve enforcement
- ► Accessibility considerations at bus stops
 - ► Statewide Transit Innovation Grant (STIG)
 - ► Collaboration on path of travel and other significant barriers to transit use
- ► Better Bus Stops and Transfer Facilities
 - ► Flexible within reason and able to move to accommodate new development and improvements such as bike lanes
 - ▶ Baughmans Lane is a great example of working together to address new development

Bus shelters expansion

Bus shelters are placed where there are a lot of riders, or in some cases, we work with businesses and organizations to place a shelter

- Bus shelters require easements for placement
- Historically, easements have been difficult to access
 - ► There are only a dozen or so shelters in the entire County. Why?
 - ► Improved coordination with the City of Frederick

Beyond the bus

- Engaging rural and underserved communities
 - ► The critical need to engage people in ways that work for them
- Collaborating with agencies, municipalities, and organizations
- Welcoming open and honest feedback

- Staff recruitment, development, and training
- More effective communications to Frederick's 200k+ residents (new and existing!)
- Moving away from SOVs

What's next





















Questions?

We're here to help.





Fusing nature and technology into innovative products for sustainable and equitable impact



<u>Dave Tilley</u> <u>www.coolgreenshelters.com</u> <u>www.livingcanopies.com</u> <u>dave@livingcanopies.com</u> 301-789-5099

Issues & Opportunities

- No Shelter
- Vulnerable Groups
- Unattractive
- Prominent Location
- Climate Change
- Urban Heat
- Stormwater Management



North Bound Baltimore Ave, Brentwood, MD



Seating Needed! Shade Needed!



Montgomery Co. Hwy 29

Hyattsville, MD



Old Solution:

Traditional Shelters

- Protection
- Unremarkable
- Adds to Urban Heat
- Mismanages Stormwater
- No Carbon Capture





Needs of Towns

MOBILITY

Create ability for easy and efficient movement for work and living

GREEN

Improve the well-being of people, communities, and the environment

EQUITY

Provide equitable & safe access to city services for all citizens







Zephaniah Farm Vineyard, Leesburg, VA

A Better Solution: Living Canopies

- Pleasant & Sustainable Shade
- Cool & Green Environment
- Smart Automated Irrigation
- Solar Powered



COOL GREEN SHELTERS FOR BUS STOPS

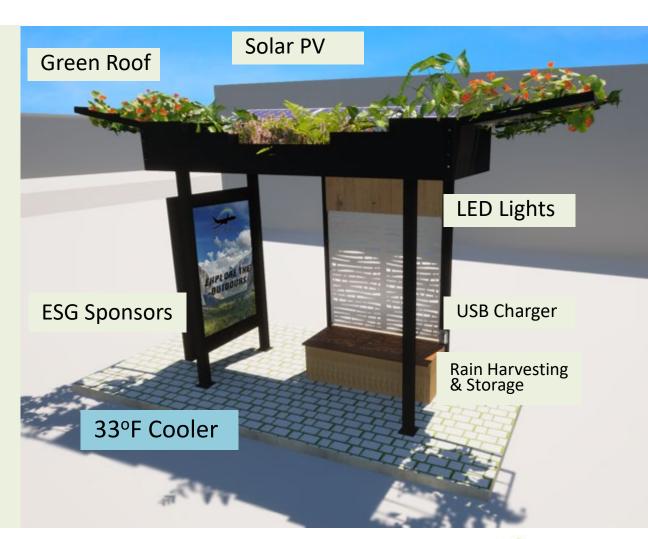
SOLAR PV GREEN ROOF/RAINWATER HARVESTING Key Features Weather protection Solar power (300 W) **LED** lighting Charging ports Green roof **LED LIGHTING** Heat reduction **USB CHARGING Evaporative cooling** Stormwater management RAINWATER RESERVOIR Green infrastructure **ESG Sponsorships** AD/ESG SPONSORSHIPS 33° COOLER



US Patent #10993385

Benefits for Towns, Citizens & Environment

- Boosts Comfort, Equity and Ridership
- Water Reuse and Management
- Resilient Solar Charging
- Novel Revenue Model (ESG Sponsorship)
- Amenity Platform for Community Customization





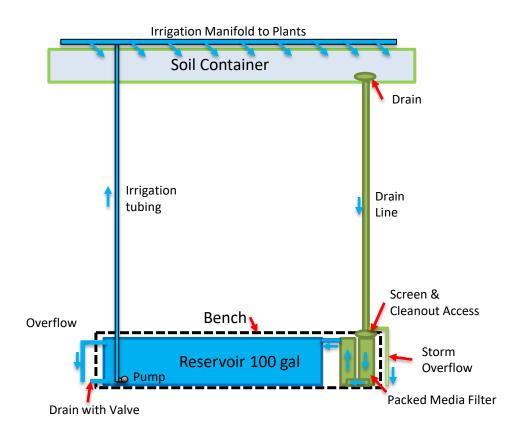
Cool Green Shelter for Hyattsville Bus Stops





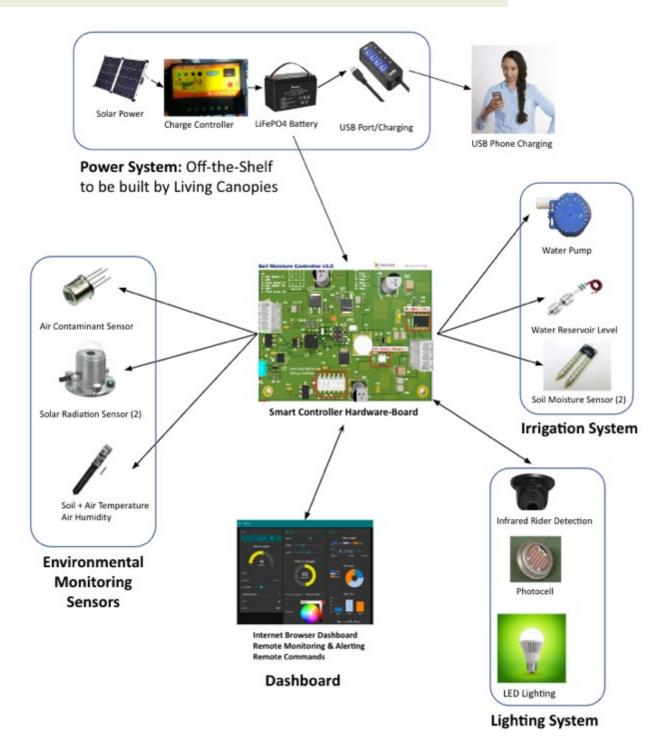
Schematic of the Green Shelter's Water Reuse and Recirculation System







Smart Controller Platform for Cool Green Shelters for Bus Stops Living Canopies Ltd





Environmental, Social, & Governance Benefits (ESG Sponsorships)

Per Shelter

Stormwater 800 gallons per year

Stored 870 kWh per year

Summer Temperature 5°C Cooler

Reduction Ridership 2,000 rides per year

Carbon Emissions 2.8 MT-CO2 per year

Avoided

Sustainable Maryland offers 5 points toward town certification



Options for Maintenance

<u>Options</u>

Service Agreement
Advertising platform
ESG Sponsorship

Key Attributes

\$5000 – 9500 per year (min. 2 yr)

10 year agreement

For Qualified Locations

Living Canopies manages all options



Thank You!

Dr. Dave Tilley, Co-founder & CEO Nick Cloyd, Co-founder Dean Hill Kelly Fleming John Tilley

301-789-5099 www.livingcanopies.com dave@livingcanopies.com





2023 SOLICITATION FOR GRANT APPLICATIONS

Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310) Program

Mohammad Azeem Khan
Enhanced Mobility Program Manager

TPB Regional Public Transportation Subcommittee June 27, 2023

Purpose

 Provide brief overview of program and upcoming solicitation to prepare interested applicants in applying.



FTA Enhanced Mobility Program

"Improve mobility for seniors and individuals with disabilities...by removing barriers to transportation services and expanding the transportation mobility options available."

 Matching grants that go above and beyond traditional public transit and ADA complementary paratransit service



Upcoming Solicitation Details

- Pre-Application Conferences:
 August 2023
- Solicitation dates:
 August 1 September 30, 2023
- Funding: Approximately \$10.8 million



Upcoming Solicitation Details, Cont'd.

- Matching funds (identified by application):
 - Operating: **50**%
 - Capital and Mobility Management: 20%
- Funding period: 2-years



Upcoming Solicitation Details, Cont'd.

- Who can apply?
 Non-profit agencies, private providers, transit agencies, and local governments
- What type of projects?
 Capital and operating grants that improve transportation for people with disabilities and older adults



Upcoming Solicitation Details, Cont'd.

Mandatory Pre-Application Conferences:

MARYLAND: Silver Spring Civic Building at Veterans Plaza, Colesville Room 1 Veterans Pl, Silver Spring, MD 20910 Friday, August 4, 2023 10:00 AM – 12:00 PM

VIRGINIA: Tysons-Pimmit Regional Library Meeting Room #2 7584 Leesburg Pike, Falls Church, VA 22043 Tuesday, August 8, 2023 10:00 AM – 12:00 PM

DISTRICT OF COLUMBIA: Metropolitan Washington Council of Governments 777 North Capitol Street NE, Suite 300 Washington, DC 20002 Wednesday, August 16, 2023 10:00 AM – 12:00 PM VIRTUAL OPTION AVAILABLE



Application Process: On-line System

 Application process and required documentation is extensive and comprehensive

SAM.gov Unique Entity ID



Please provide your SAM.gov unique entity ID. If you do not have a SAM.gov unique entity ID at this time you can leave this section blank. If your application is approved for funding you will need to have a SAM.gov unique entity ID in order to receive FTA funds.

Example

1606N020Q02

How to obtain a SAM.gov unique entity ID

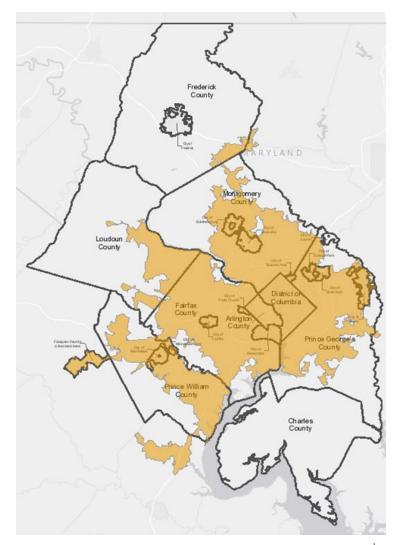


Washington DC-VA-MD Urbanized Area

Projects must benefit populations in the Washington DC-VA-MD Urbanized Area

See interactive map:

mwcog.org/enhancedmobility





Selection Process

- Selection Committee of local representatives and national experts; chaired by a TPB member
- Established by the Coordinated Human Service Transportation Plan
- Schedule:
 - TPB action to approve by Dec. 2023



Selection Process

- Selection Criteria include seven categories:
 - Coordination among agencies
 - Responsiveness to Coordinated Plan (includes scoring for priority projects)
- Capacity to manage an FTA grant
- Project feasibility
- Regional need
- Equity Emphasis Areas
- Customer focus



Priority Projects

Priorities confirmed by AFA Committee to respond to the most significant unmet transportation needs:

- Mobility Management
- Coordinated Planning Efforts
- Travel Training
- Door-through-door or Escorted Transportation Service
- Increase Access to Transit
 Stations

- Increase Wheelchair-Accessible Options in Taxi and Ride-Hailing Services
- Volunteer Driver Programs
- Tailored Transportation
 Service for Clients of Human
 Service Agencies (Vehicle
 Acquisition)



Learn More and Help Spread the Word

- 1. For more information: mwcog.org/enhancedmobility
- 2. Help TPB staff promote the grant opportunity
- 3. Engage TPB members to help spread the word



Mohammad Azeem Khan

Enhanced Mobility Program Manager (202) 962-3253 mkhan@mwcog.org

mwcog.org/TPB

Metropolitan Washington Council of Governments 777 North Capitol Street NE, Suite 300 Washington, DC 20002

