

# FTA

FEDERAL TRANSIT ADMINISTRATION

## ***National Transit Database – Biennial State Programs Meeting***

August 2017

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U.S. Department of Transportation  
Federal Transit Administration

# Reporting Requirements

Each transit operator that benefits from 5307 or 5311 grants must submit an annual report containing information on capital investment, operations, and service provided with the funds received, including:

- Total annual revenue
- Sources of revenue
- Total annual operating costs
- Total annual capital costs
- Fleet size and type, and related facilities
- Revenue vehicle miles
- Ridership



“Cutaway” small bus

# FY 2016 Rural Data

## 181 rural transit providers

- 50 States & 4 US Territories
  - 1,192 rural general public subrecipients
- 127 Tribes (Tribal Transit Program)

## 288 urban providers of rural service

- 222 providers receiving both 5307 and 5311 funds
- 80 Intercity Bus providers

Most Rural Transit Providers	
Georgia	85
North Carolina	83
California	81
Kansas	79
Michigan	72
New York	60
Nebraska	57
Wisconsin	55
Texas	47
Indiana	45

# Counties Served by 5311 Reporters

- 80% of US counties have transit service

States with 100% Served	
	Counties
Alaska	18
Connecticut	8
Maine	16
Vermont	14
Tennessee	95
Iowa	99
North Dakota	53
Guam	19
American Samoa	3
Northern Marianas	1

States with 50% or less Served		
	Counties Served	Percent
West Virginia	25 of 55	45.50%
Utah	13 of 29	44.83%
Massachusetts	6 of 14	42.86%
Pennsylvania	28 of 67	41.79%
Rhode Island	2 of 5	40.00%
Ohio	34 of 88	38.64%
Delaware	1 of 3	33.33%
Puerto Rico	4 of 78	5.13%

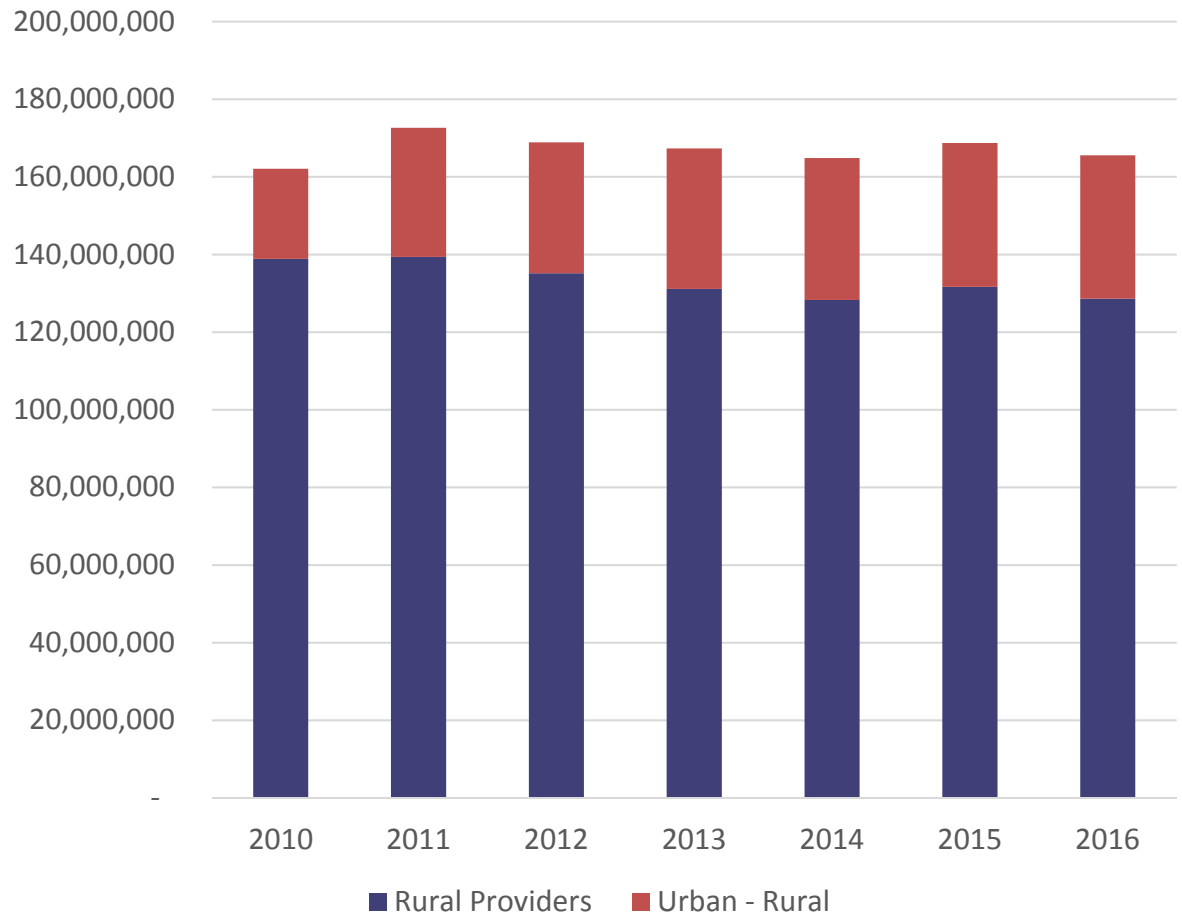
# Rural Service - 2016

- 165.5 million Unlinked Passenger Trips (UPT)
  - 1.6% of the National total
  - 3.0% of the National Non-Rail Total
- 573.0 million Vehicle Revenue Miles (VRM)
  - 12.1% of the National Total
  - 16.0% of the National Non-Rail Total
- 32.3 million Vehicle Revenue Hours (VRH)
  - 10.4% of the National Total
  - 12.5% of the National Non-Rail Total

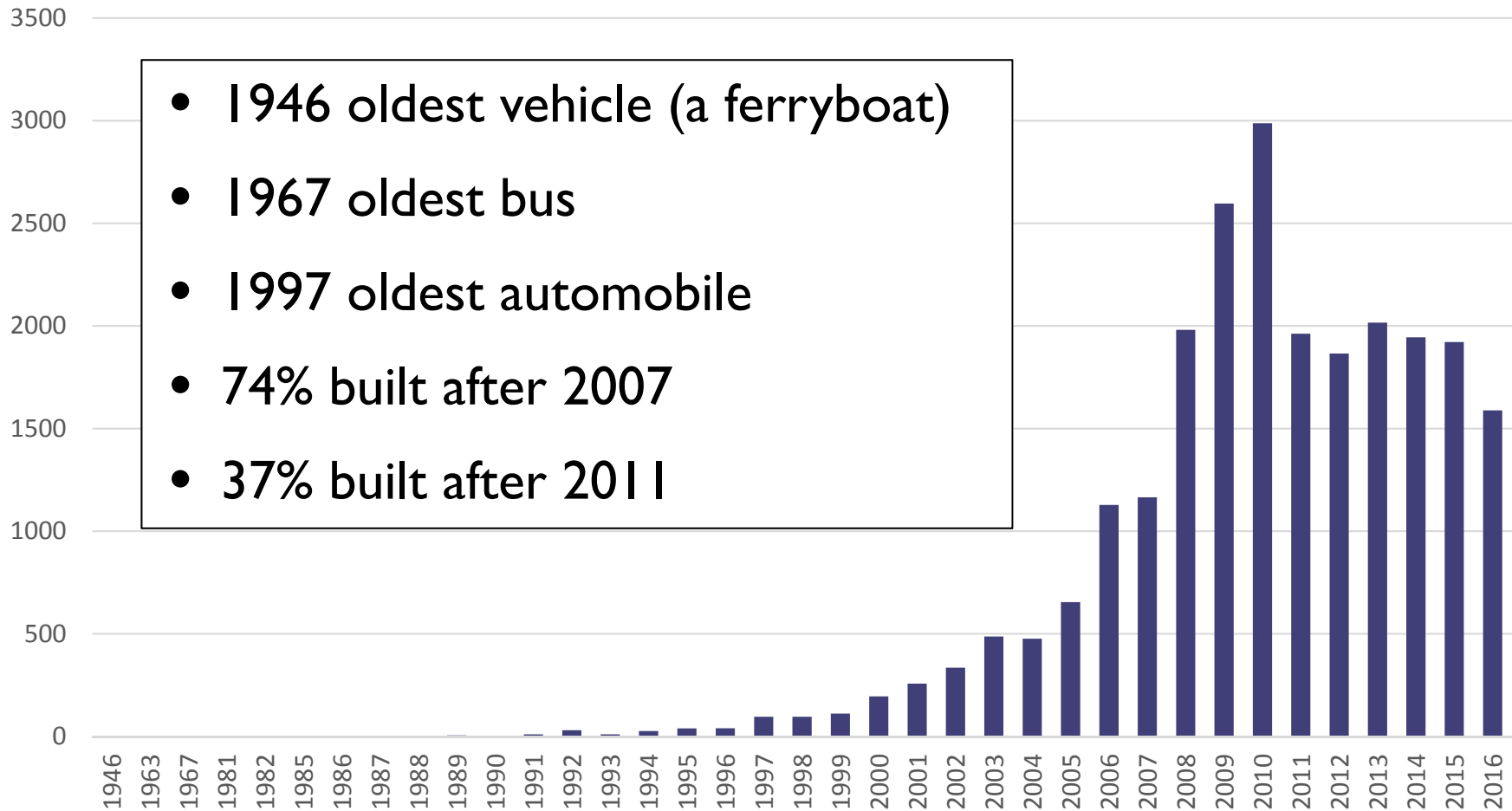


# Growth In Rural Transit - Ridership

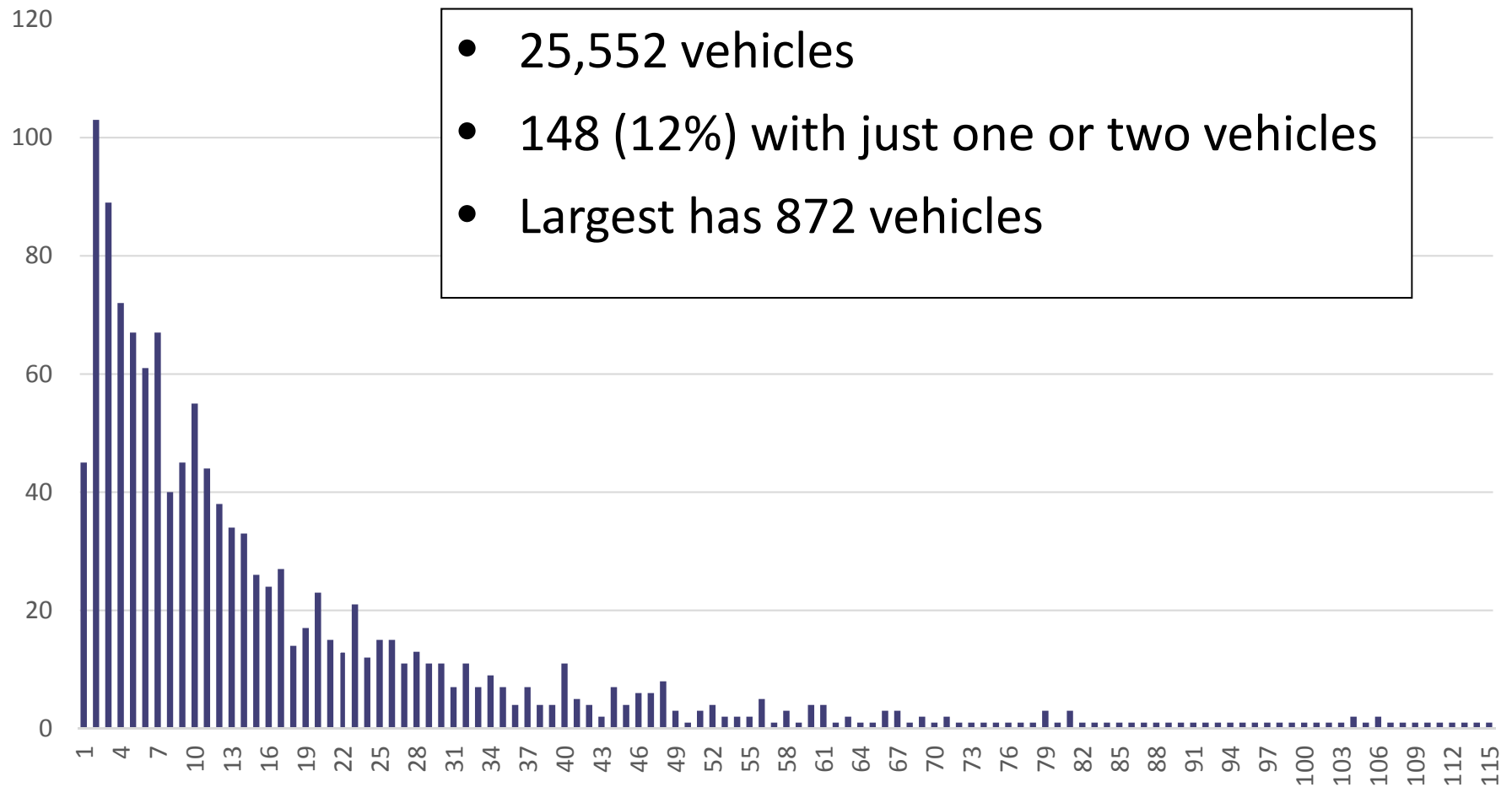
- Data on rural service provided by urban reporters started in 2010
- Data on rural service started in 2007



# Vehicles by Year Built



# Fleet Size





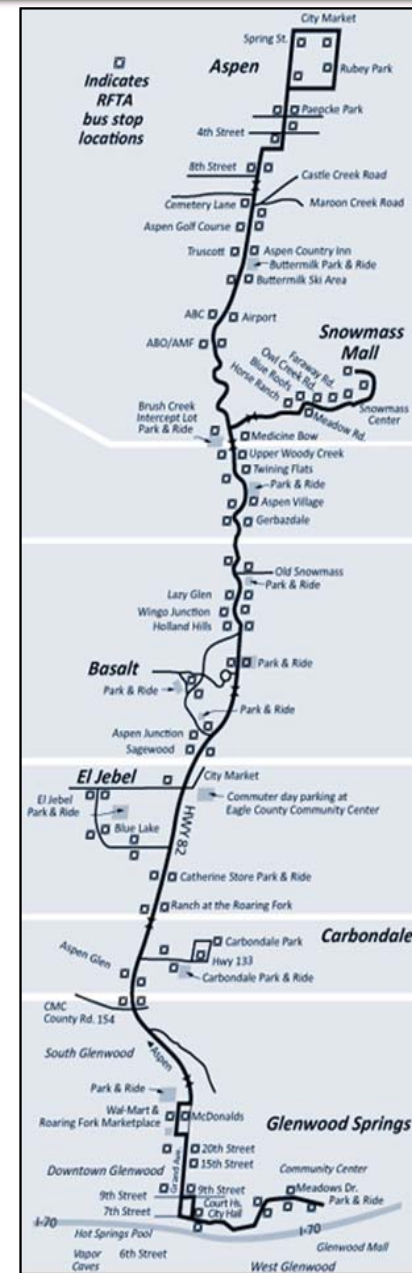
# Ridership – Top States

State	UPT*
Colorado	15.3
California	7.2
Michigan	6.7
Washington	6.3
Tennessee	4.8
North Carolina	4.5
Iowa	4.4
Illinois	4.3
Minnesota	3.9
New York	3.6

\* In millions



AppalCART



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Source: 2016 NTD Rural Only Federal Funding Allocation

# Ridership – Top 10 (By Subrecipient)

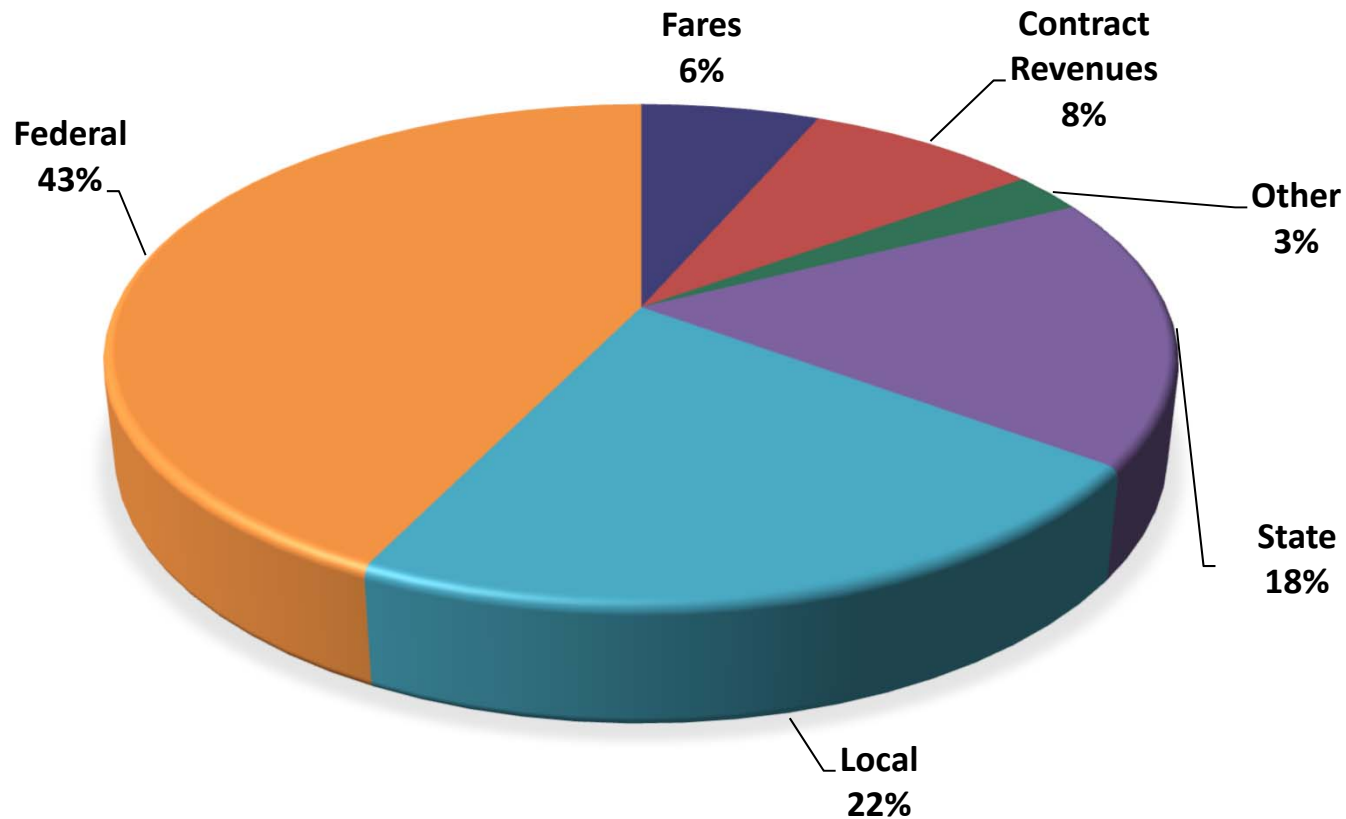
Subrecipient	State	UPT
Roaring Fork Transportation Authority	CO	4.8
Town of Mountain Village	CO	2.8
Pigeon Forge Fun Time Trolleys	TN	2.8
Mayor and City Council Town of Ocean City	MD	2.6
Park City Municipal Corporation	UT	1.9
AppalCart	NC	1.8
Summit County	CO	1.8
City of Macomb	IL	1.6
OATS, Inc.	MO	1.5
Martha's Vineyard Transit Authority	MA	1.4



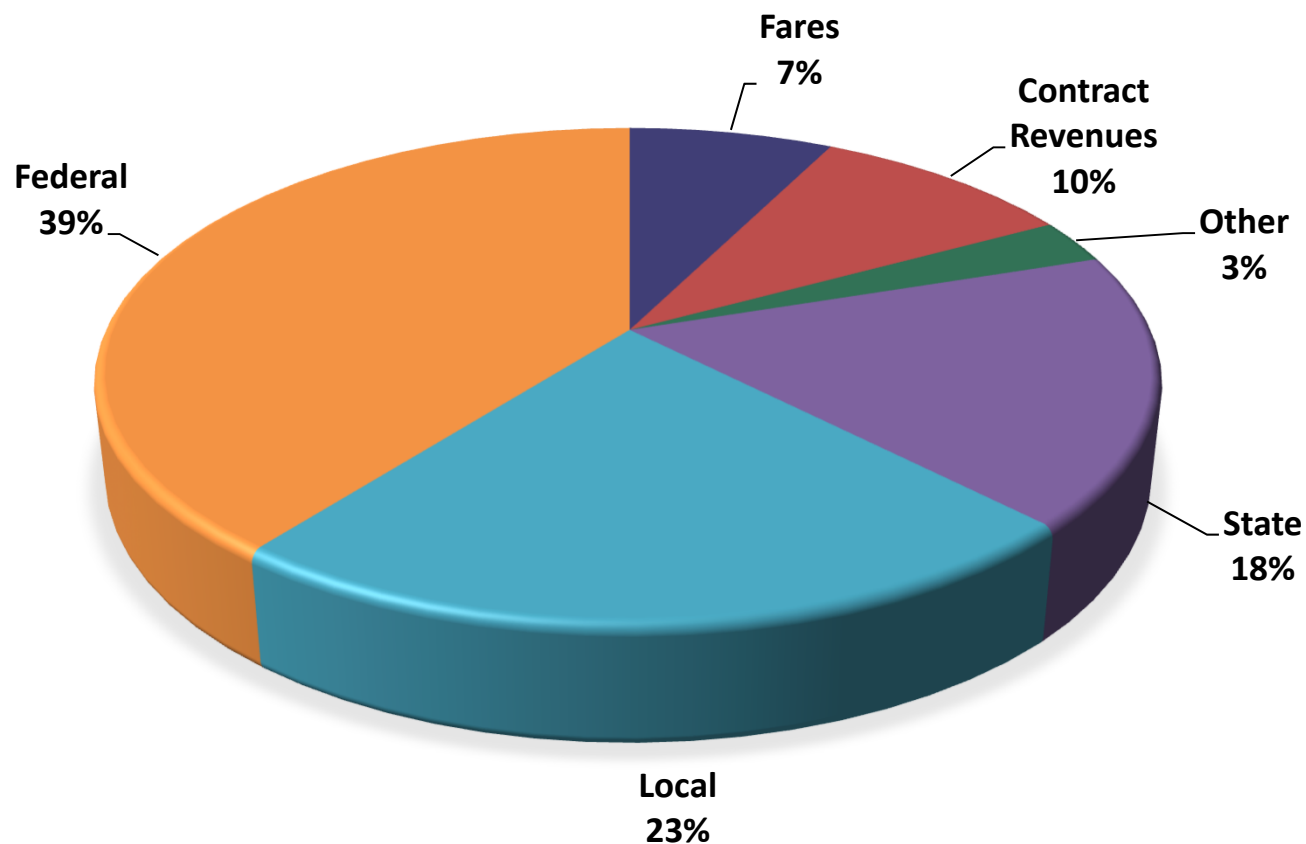
Source: 2016 NTD Federal Funding Allocation

\* In millions

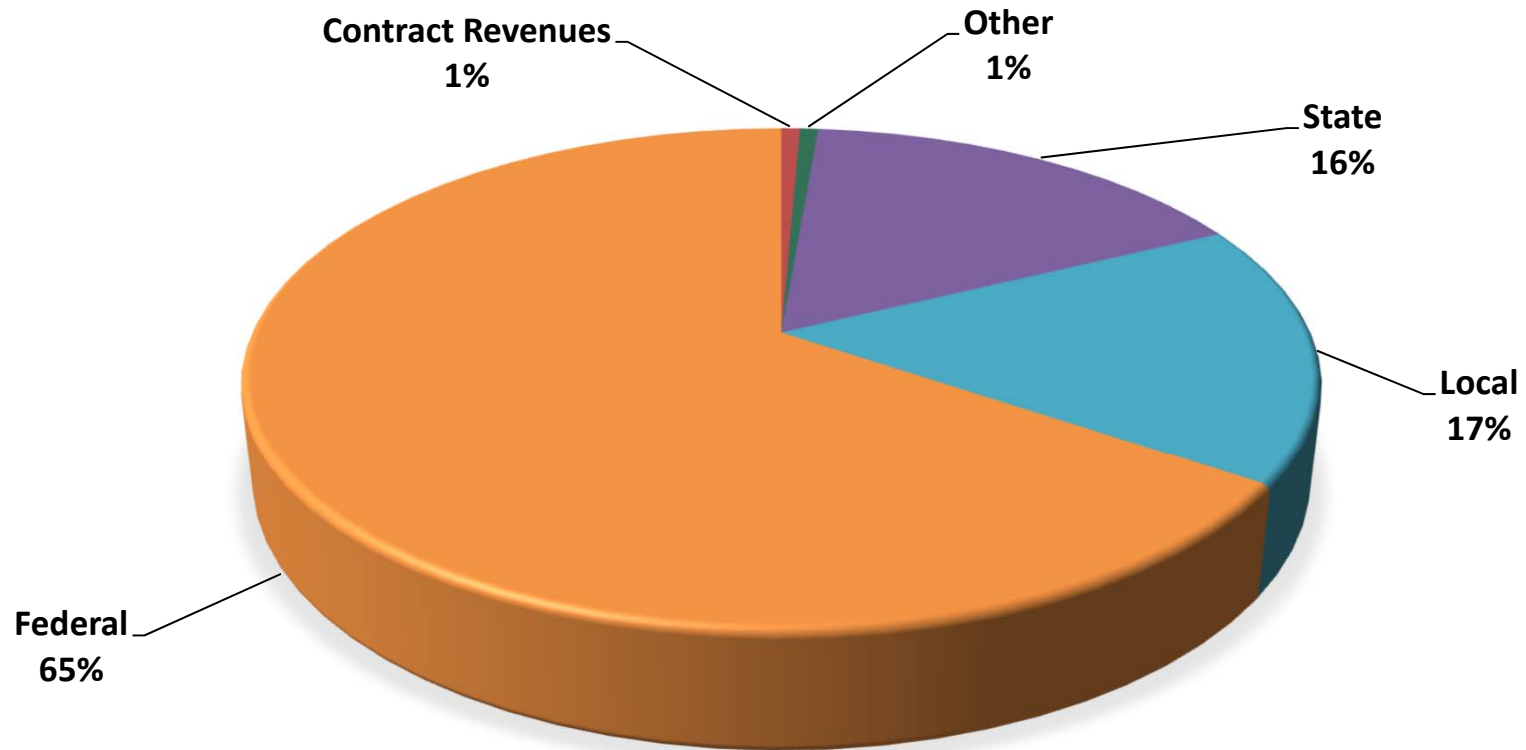
# 2016 Rural Transit Funding – Capital and Operating



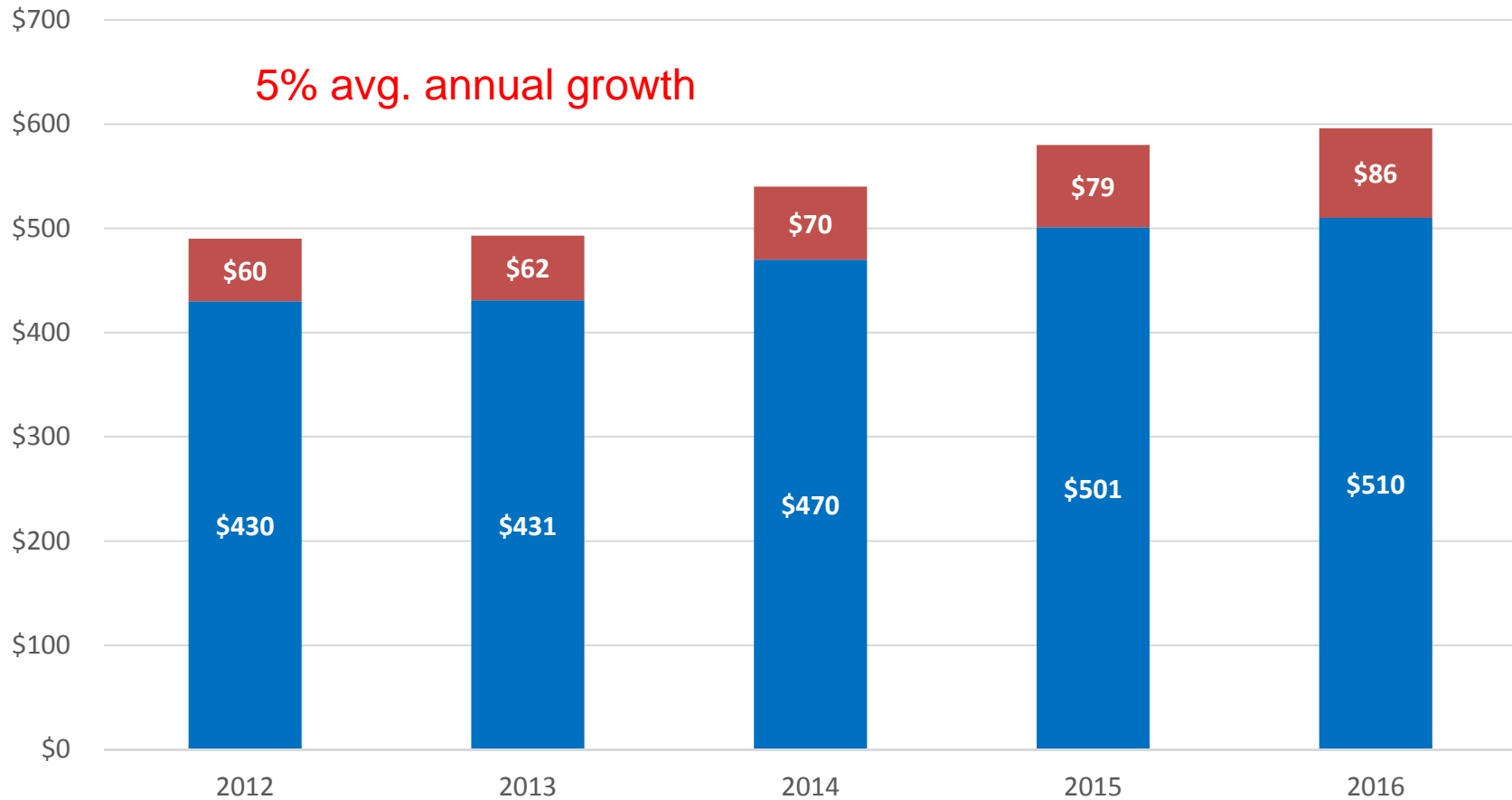
# 2016 Rural Transit Operating Funding Sources



# 2016 Rural Transit Capital Funding Sources



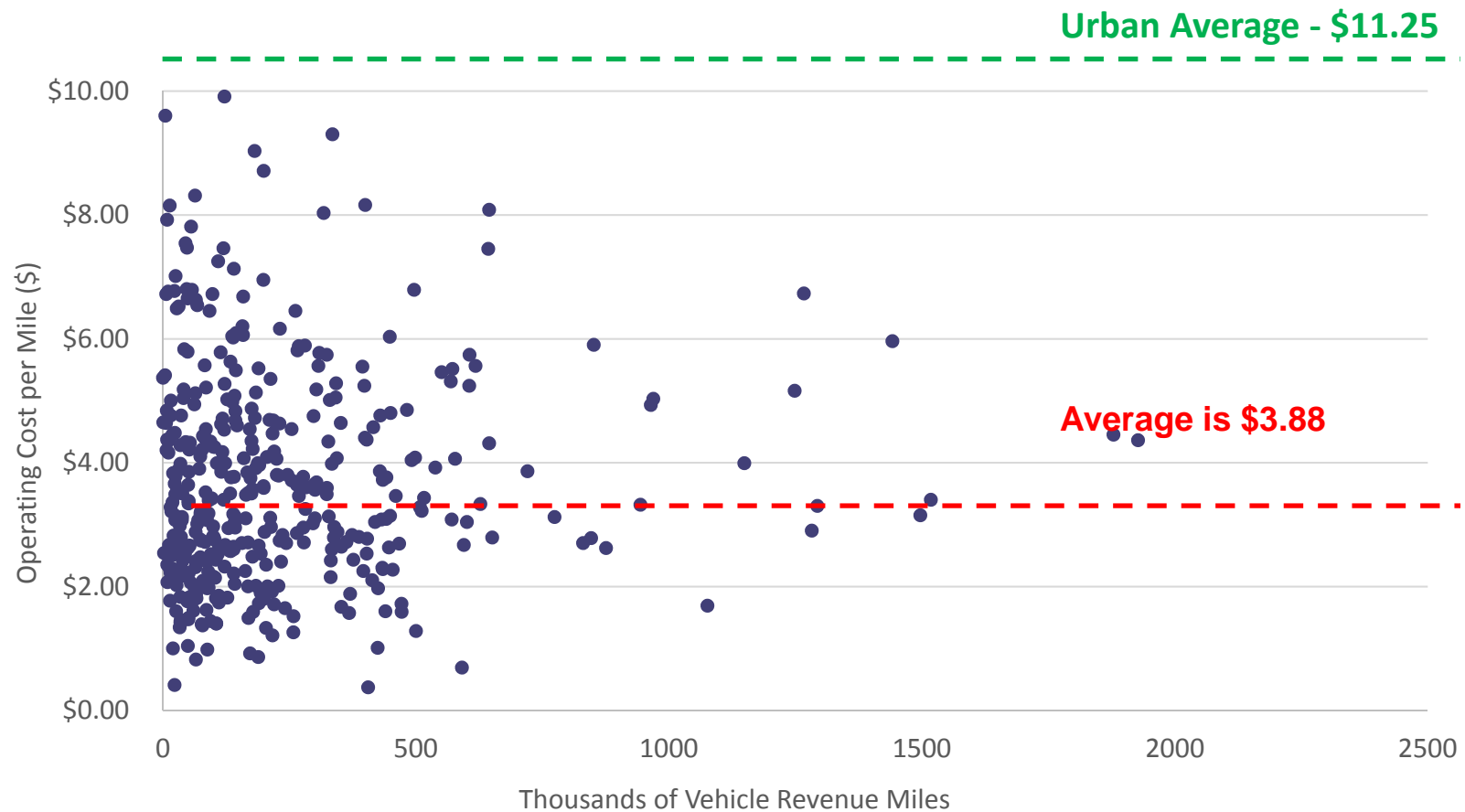
# 5311 Funds Reported



# Rural vs. Urban Cost Effectiveness

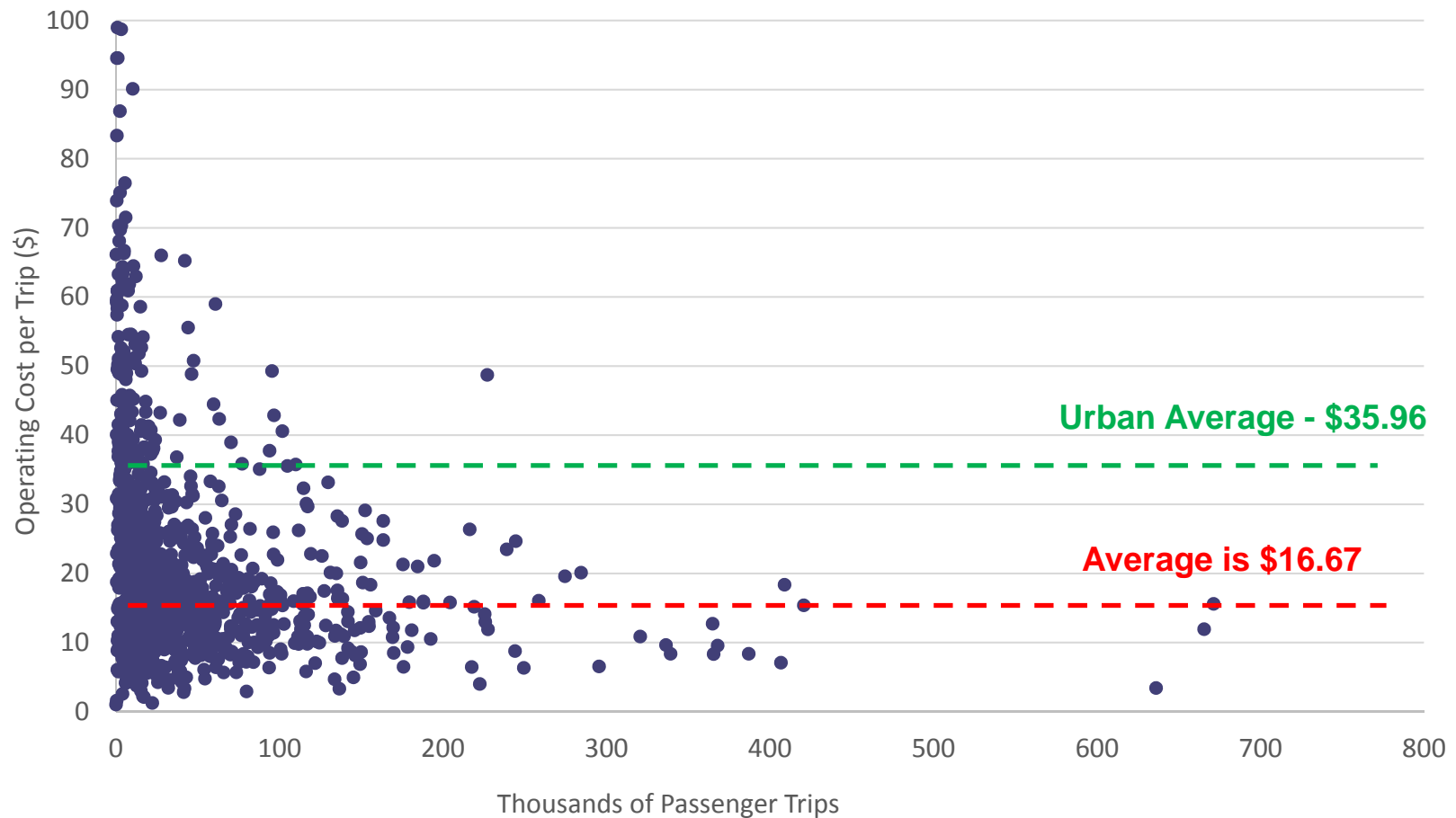
- Bus Operating \$ per Vehicle Revenue Mile
  - Urban = \$11.25/mile
  - Rural = \$3.88/mile
- Demand Response \$ per ride (UPT)
  - Urban = \$35.96/ride
  - Rural = \$16.67/ride

# Rural Bus Operating Costs



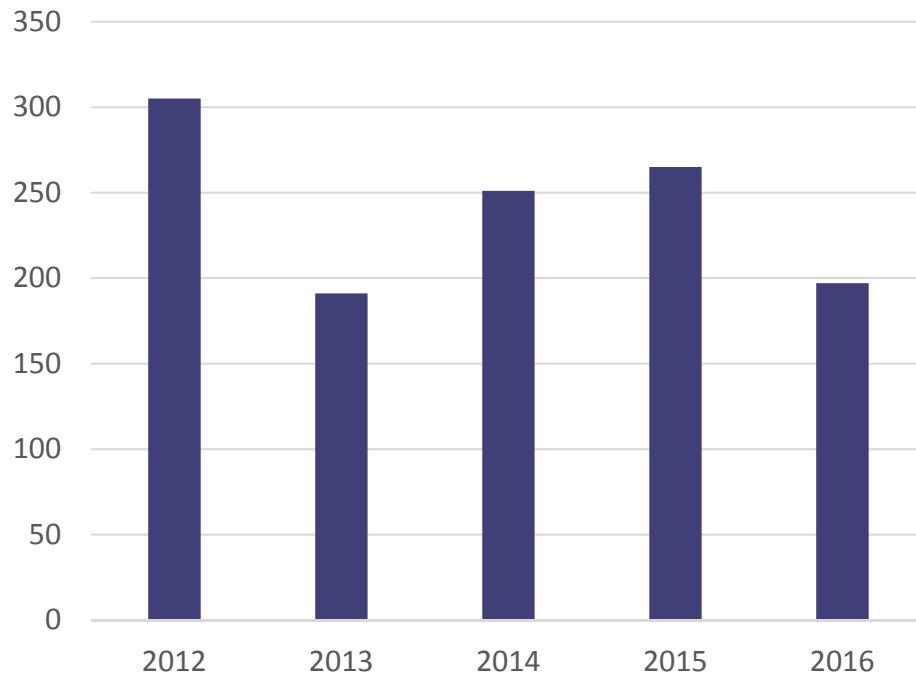


# Rural DR Operating Costs

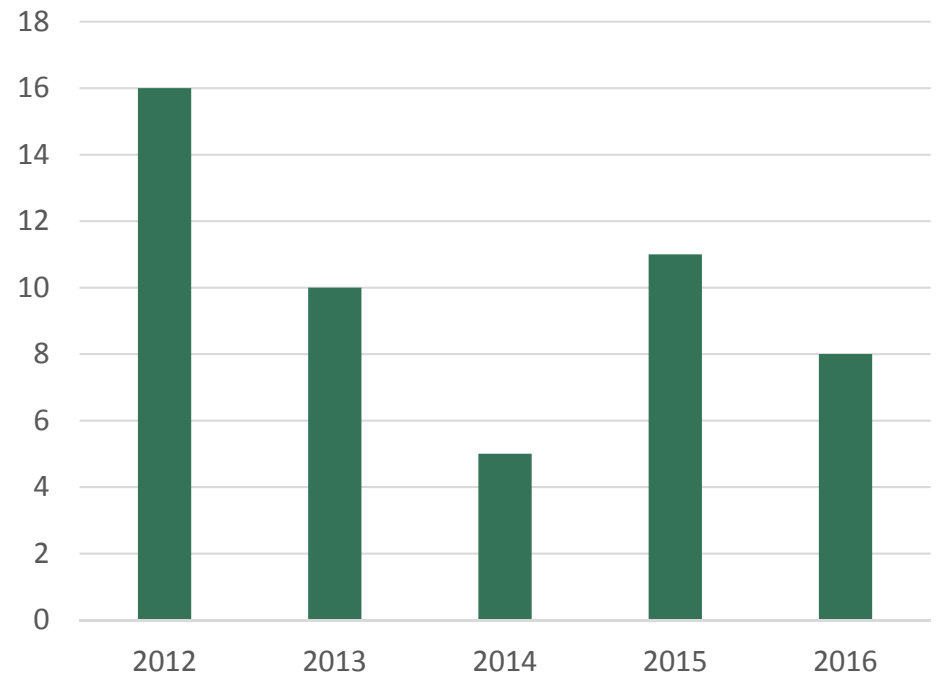


# Rural Safety Data

## Rural Injuries



## Rural Fatalities





# New Asset Reporting Requirements

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# TAM Purpose

- Monitor and manage public transportation capital assets to:
  - Enhance safety,
  - Reduce maintenance costs,
  - increase reliability, and
  - Improve performance
- Objective is to reach and maintain a *state of good repair (SGR)*
  - Condition in which a capital asset operates at a full level of performance.

# TAM Phase-In Schedule

NTD Fiscal Year Report to be Submitted	Set Internal Targets	Report Internal Targets to NTD	Submit Narrative Report on Meeting Targets to NTD	Report Condition Data on Vehicles	Report Condition Data on Facilities
January 2017	Required (For FY17)	Optional	Not Required	Not Required	Not Required
<b>RY 2017</b>	Required (For FY18)	Optional	Not Required	Optional	Optional
RY 2018	Required (For FY19)	Required	Not Required	Required	1/4 Required
RY 2019	Required (For FY20)	Required	Required	Required	2/4 Required
RY 2020	Required (For FY21)	Required	Required	Required	3/4 Required

# TAM Inventory

- More inclusive than the inventory reported to the NTD
- Inventory of all assets used to provide service
  - Provider owned, jointly-procured, owned by third party
    - Except equipment with acquisition cost < \$50,000 (service vehicles excluded)
- Condition assessment of inventoried assets for which provider has *capital responsibility*

# TAM NTD Annual Reporting Requirements

1. Annual performance targets (A-90)
  - Performance targets for next fiscal year
    - (e.g., targets submitted in RY 2018 report for RY 2019)
2. Inventory and Condition data
  - Facilities (A-15)
  - Revenue vehicles (A-30)
  - Service vehicles (A-35)
  - Track (A-20)
3. Narrative report of progress by end of report year
  - Change in condition
  - Progress toward meeting targets set in last year's report

# What is reportable?

Asset Type	Inventory Required	Condition Assessment Required
Passenger Facility	All	If you have full or partial capital replacement responsibility
Administrative/ Maintenance Facilities	If you have full or partial capital replacement responsibility	If you have full or partial capital replacement responsibility
Track/Guideway	All	If you have full or partial capital replacement responsibility
Revenue Vehicles	All	If you have full or partial capital replacement responsibility
Service Vehicles	If you fund its replacement	If you have full or partial capital replacement responsibility



# TAM Performance Measures

Vehicles	
Equipment (Non-Revenue Service Vehicles)	Percentage of vehicles that have met or exceeded their Useful Life Benchmark (ULB)
Rolling Stock (Revenue Vehicles)	Percentage of revenue vehicles within a particular asset class that have met or exceeded their ULB
Infrastructure	<b>Not Applicable for State Reporters</b>
Rail Guideway, Tracks, Signals, Systems	Percentage of track segments with performance restrictions by class
Facilities	
Facilities Within Asset Class	Percentage of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirements Model (TERM) scale (1=Poor to 5=Excellent)

# Useful Life Benchmark (ULB)

- Definition
  - Expected lifecycle or the acceptable period of use in service for an asset as determined by transit provider *OR*
  - Default benchmark provided by FTA
- Key Considerations
  - ULB takes into account a provider's unique operating environment (e.g., geography, service frequency, climate)
  - ULB ≠ Useful life for FTA grant programs

# TAM Group Plan Reporting

- A **sponsor** can develop a group TAM plan for at least one Tier II provider
  - Sponsor
    - A State, designated recipient, or direct recipient
  - Tier II Provider
    - Operates < 101 VOMS across fixed-route modes or in any one non-fixed route mode **AND**
    - Does not operate rail

# TAM Group Plan Reporting

- A **state** sponsor will manage TAM requirements in the same manner as current subrecipient reports
  - Each subrecipient will have appropriate asset inventory forms added to their report package
  - Subrecipients who currently report directly to the NTD will directly report asset inventory
  - New TAM only reporters (5310 recipients) will be managed by the State
- One A-90 form will be completed for the group

# TAM/NTD Crosswalk

- Key TAM Plan and NTD reporting requirements
- Access to other asset management (SGR and TAM) reference materials
- [www.transit.dot.gov/tam](http://www.transit.dot.gov/tam)

Assets	TAM Plan Inventory	TAM Plan Condition Assessment	NTD Inventory & Condition Submittal	SGR Targets
<b>Revenue Vehicles</b>				
Owned	yes	yes	yes	yes
Direct Capital Responsibility	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned (Direct Capital Responsibility)	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned (NO Direct Capital Responsibility)	yes	no	yes*	no
<b>Equipment: Non-revenue Vehicles (regardless of cost)</b>				
Owned	yes	yes	yes	yes
Direct Capital Responsibility	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned	no	no	no	no
<b>Equipment: Over \$50,000 in Acquisition Value</b>				
Owned	yes	yes	no	no
Direct Capital Responsibility	yes	yes	no	no
3 <sup>rd</sup> Party Owned	no	no	no	no
<b>Equipment Under \$50,000 in Acquisition Value</b>				
Owned	no	no	no	no
<b>Facilities:</b>				
Owned	yes	yes	yes	yes
Direct Capital Responsibility	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned (Direct Capital Responsibility)	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned (NO Direct Capital Responsibility)	yes	no	yes**	no
<b>Infrastructure: Non Rail Fixed Guideway</b>				
Owned	yes	yes	no	no
Direct Capital Responsibility	yes	yes	no	no
3 <sup>rd</sup> Party Owned (Direct Capital Responsibility)	yes	yes	no	no
3 <sup>rd</sup> Party Owned (NO Direct Capital Responsibility)	yes	no	no	no
<b>Infrastructure: Rail Fixed Guideway</b>				
Owned	yes	yes	yes	yes
Direct Capital Responsibility	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned (Direct Capital Responsibility)	yes	yes	yes	yes
3 <sup>rd</sup> Party Owned (NO Direct Capital Responsibility)	yes	no	yes	no

Included in TAM Plan

Reported to NTD

# “A” Forms

Area	Form	FY 2017	FY 2018
Facilities	Station and Maintenance Facilities (A-10)	Required	Required
	Transit Asset Management Facilities Inventory (A-15)	Optional	Required
Transit Way Mileage	Transit Way Mileage (A-20)	Not Applicable for State Reporters	
Vehicle Inventory	Revenue Vehicle Inventory (A-30)	Required <sup>2</sup>	Required
	Service Vehicle Inventory (A-35)	Optional	Required
Targets	Transit Asset Management Performance Measures Targets (A-90)	Optional	Required

<sup>1</sup> Expanded information is optional

<sup>2</sup> Useful Life Benchmarking (ULB) reporting is optional

# Stations and Maintenance Facilities (A-10)

## Passenger Stations - Number of Facilities

Americans with Disabilities Act of 1990 (ADA) accessible

3

Escalators

2

Americans with Disabilities Act of 1990 (ADA) non-accessible

Elevators

2

Total Stations

3

Number of Multi-Modal Stations

## Maintenance Facilities

Type	Owned	Leased from Another Public Agency	Leased from a Private Entity	Totals
General Maintenance Facilities (Less than 200 Vehicles)	1.00			1.00
General Maintenance Facilities (Between 200 - 300 Vehicles)				0.00
General Maintenance Facilities (Greater than 300 Vehicles)				0.00
Heavy Maintenance Facilities				0.00
Totals	1.00	0.00	0.00	1.00

- Report by mode and TOS



# Passenger Station Criteria

- Report information for fixed-route, fixed schedule service (rail, MB, TB, FB, TR, RB, and CB)
  - All HR and CR rail facilities
  - LR, CC, YR, and SR facilities in separate ROW with platforms
  - All MB, TB, RB, and CB in separate ROW with enclosed structure for ticketing, information, restrooms, etc.



# Passenger Station Categories

- ADA accessible stations – no physical barriers that prevent or restrict access by individuals with disabilities
- Multi-modal stations – serve more than one mode
  - If bus and rail, only count rail
  - For bus, must have at least three (3) offstreet bays
- Escalators and elevators



# Maintenance Facilities

- Report type of work performed and ownership
  - General purpose (routine maintenance and repairs)
    - Report by size
      - Under 200, 200 – 300, 300+ vehicles
    - Report by Ownership
      - Owned or Leased
  - Heavy maintenance (major unit rebuilds)
- Allocate maintenance facilities by mode, TOS
  - Should add up to whole number(s)

# A-10 Key Points

- Passenger stations have significant structures
- Multi-modal stations include public transit and other transportation services
  - Services may be operated by other entities (e.g., Amtrak, Greyhound)
- Facilities where maintenance is done
  - Facility ownership – owned or leased for DO or PT service
  - Do not include gasoline/service stations
- Allocate maintenance facilities by mode and type of service
  - Should add up to whole number(s)

# Transit Asset Management Facilities Inventory (A-15)

## ▼ Filters

Facility Name

Primary Mode

Facility Type

Condition Assessment

[Apply Filters](#) | [Clear Filters](#)

## Facilities

[ADD NEW](#) [EDIT SELECTED](#) [DELETE SELECTED](#)

<input type="checkbox"/>	ID ↑	Name	Facility Type	Address	Primary Mode	Year Built	Condition Assessment
<input type="checkbox"/>	62	Elston Garage	General Purpose Maintenance Facility/Depot	135 South LaSalle Street Chicago, IL 60603	MB - Bus	1968	4

Batch Size: [10](#) [25](#) [50](#) [100](#) | [Deselect All](#)

[SAVE AND VALIDATE](#) [SAVE](#) [VIEW ISSUES](#) [PRINT DOCUMENT](#) [CLOSE](#)

- One form for all modes/TOS
- Reporting is optional in RY 2017



# A-15 Facility Information

| [Update Facility Information](#) | | [Update Condition Assessment](#) | | [Update Address](#) |

ID	Name	Primary Mode	Secondary Modes	Private Mode	Facility Type	Year Built or Reconstructed as New	SqFt	Parking Spaces	Transit Agency Capital Responsibility (%)	Notes
62	<input type="text" value="Elston Ga"/>	<input type="text" value="MB - Bus"/>	<input type="text" value="DR - Demand Response"/> <input type="text" value="RB - Bus Rapid Transit"/>	<input type="text" value="Please select a value"/>	<input type="text" value="General Purpose Maintenance Facility..."/>	<input type="text" value="1968"/>	<input type="text" value="20,000"/>	<input type="text" value=""/>	<input type="text" value="100.0"/>	<input type="text" value="Main Garage"/>

- **Name**
- **Primary Mode** — Pull-down Menu
- **Secondary Modes** — Type two-letter code
- **Private Mode** — Pull-down Menu
- **Facility Type** — Pull-down Menu
- **Year Build or Reconstructed as New**
- **Square Feet/Parking Spaces** — Choice based on facility type
- **Capital Responsibility**
- **Notes** — As needed



# A-15 Condition Assessment

[| Update Facility Information |](#) [| Update Condition Assessment |](#) [| Update Address |](#)

ID	Name	Condition Assessment	Est. Date of Condition Assessment
62	Elston Garage	4	05/08/2017

PREVIOUS SECTION

NEXT SECTION

- Condition Assessment
  - Pull-down of integer values 1-5
  - Methodology (NTD web site)
    - *TAM Facility Performance Measure Reporting Guidebook: Condition Assessment Calculation (April 2017)*
- Date of Assessment



# A-15 Address

ID	Name	Section of Larger Facility?	Street	City	State	Zip	Lat	Long
62	Elston Garage	<input type="checkbox"/>	135 South LaSalle Street	Chicago	IL	60603		

PREVIOUS SECTION

NEXT SECTION

- Checkbox for *Section of Larger Facility*



# Revenue Vehicle Inventory

- Characteristics of all revenue vehicles
- Identifies vehicles in total fleet at FYE
  - Active – operate in revenue service (includes spare vehicles and vehicles temporarily out of service)
  - Inactive – not readily available for revenue service (e.g., vehicles in storage, emergency contingency vehicles, vehicles awaiting sale)
- Includes vehicles purchased with directly generated funds or by sellers of PT



## Reporting Categories – Basic Information

- Vehicle type
- Number of active vehicles in fleet at FYE
- Dedicated fleet
  - Applies to PT service



# Revenue Vehicle Inventory (A-30)

- Retiring fleets
  - Enter '0' active vehicles
  - Click 'Yes' for retired

Fleet 1 of 1

PREVIOUS NEXT CONTINUE DELETE FLEET CANCEL

### Basic Information

RVI ID 329115

Agency Fleet Id NOVA First Purchase

Vehicle Type Bus (BU)

Total Vehicles 2

Active Vehicles 0

Dedicated Fleet?  Yes  No

Notes

### Vehicle Information

Manufacturer NOV - NOVA Bus Corporation

Model LFS

Year Manufactured 2015

Year Rebuilt -- Please select a value --

Useful Life Benchmark (Years) 16

Useful Life Remaining (Years) 14

Vehicle Length (Feet) 40

Seating Capacity 36

Standing Capacity 18

Fuel Type Diesel Fuel

### Other Fleet Information

Ownership Type Owned outright by public agency (DOPA)

Funding Type Urbanized Area Formula Program (UA)

Used For Another Mode/TOS -- Please select a value --

Emergency 0

Is This Fleet Retired?  Yes  No

# Reporting Categories – Vehicle Information (Rural)

- Vehicle Type
- Year of manufacture
  - When vehicle is built (not model year)
- Useful Life Benchmark
  - Default FTA value entered, can be changed to local value
  - Optional in 2017
- Vehicle length
- Seating capacity
- Standing capacity



# Reporting Categories – Other Fleet Information

- Ownership
  - Owned outright
  - True lease
  - Lease under a lease purchase agreement
  - Leased or borrowed from related parties
- Accessible vehicles – active vehicles that meet ADA requirements for lift equipped or ramp/low floor
- Supports another mode – if used for another mode

# Key Considerations

- Group vehicles by identical characteristics (categories)
- Vehicles operating in multiple modes – report in each mode by TOS
- Purchased transportation vehicles – report revenue vehicles sellers use under PT agreement
- Non-dedicated vehicles – report a representative sample of the vehicles required plus spares (e.g., contract for 20 vehicles plus 2 spares from a fleet of 50 vehicles)

# Contact Info

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