Transportation Performance Management (TPM)

Transportation Advisory Committee

May 2, 2023

Chittenden County RPC

Presentation Outline

- Transportation Performance Management
- National Goal Areas
- When MPO/CCRPC Action is Needed
- NHS Infrastructure Condition (Pavement & Bridges)
- NHS System Reliability & Interstate Freight Travel
- Staff Recommendation
- Next Steps

Transportation Performance Management (TPM)

- MAP-21 & FAST-ACT included a Transportation Performance Management approach to achieving the National Goals
- TPM – Strategic, data-driven approach to make investment and policy decisions to achieve performance goals.
- Rulemaking set performance measures, identified roles and responsibilities, and set target deadlines
- Requires Coordination Among Key Parties: State DOTs, MPOs, Transit Authorities

National Goal Areas

National Goals were Established for:

- Safety
- Infrastructure condition (pavement & bridges)
- National Highway System (NHS) Travel Time Reliability
- Freight Travel Time Reliability
- Congestion
- Environmental Sustainability

CCRPC Action is Needed

- General Rule: CCRPC has 180 days after VTrans sets targets for specific measures to either
  - Agree to accept VTrans' statewide targets, or
  - Establish our own targets

NHS Infrastructure Condition (Pavement)

Statewide Measures & Targets:

- Percentage of pavement on the Interstate in good condition: **28.0%**
- Percentage of pavement on the Interstate in poor condition: **4.9%**
- Percentage of pavement on the non-Interstate National Highway System (NHS) in good condition: **30.0%**
- Percentage of pavement on the non-Interstate National Highway System (NHS) in poor condition: **9.9%**

VTrans Submitted Targets to FHWA December 16, 2022 & CCRPC's deadline is June 16, 2023

Chittenden County NHS Pavement Condition

Pavement Condition as of August 23, 2022			
Interstate System		**Non-Interstate NHS**	
77.3 Total miles		47.97 Total miles	
Percentage of pavements of the Interstate in **Good** Condition 61.98 miles	80.7%	Percentage of pavements of the Non-Interstate in **Good** Condition 11.40 miles	23.8%
Target:	**28.0%**	**Target:**	**30.0%**
Percentage of pavements of the Interstate in **Poor** Condition 4 miles	5.2%	Percentage of pavements of the Non-Interstate in **Poor** Condition 3.27 miles	6.8 %
Target:	**4.9%**	**Target:**	**9.9%**
Federal Maximum:	5.0%	Federal Maximum:	10.0%

NHS Infrastructure Condition (Bridges)

Statewide Measures & Targets:

- NHS bridges in good condition: **35%**
- NHS bridges in poor condition: **6%**

VTrans Submitted Targets to FHWA December 16, 2022 & CCRPC's deadline is June 16, 2023

Chittenden County NHS Bridge Condition

Bridge Condition	
Percentage of NHS Bridges classified as in **Good** Condition:	
Current:	52.5%
Target:	**35.0%**
Percentage of NHS Bridges classified as in **Poor** Condition:	
Current:	0.0%
Target:	**6.0%**

NHS Travel Time Reliability & Freight

Statewide Measures and Targets for System Reliability:

- Person miles traveled on Interstate that are reliable: **90%**
- Person miles traveled on non-Interstate NHS that are reliable: **80%**

Statewide Measure and Target for Interstate Freight (Truck) Travel Time Reliability:

- Truck Travel Time Reliability Index: **less than 1.75**

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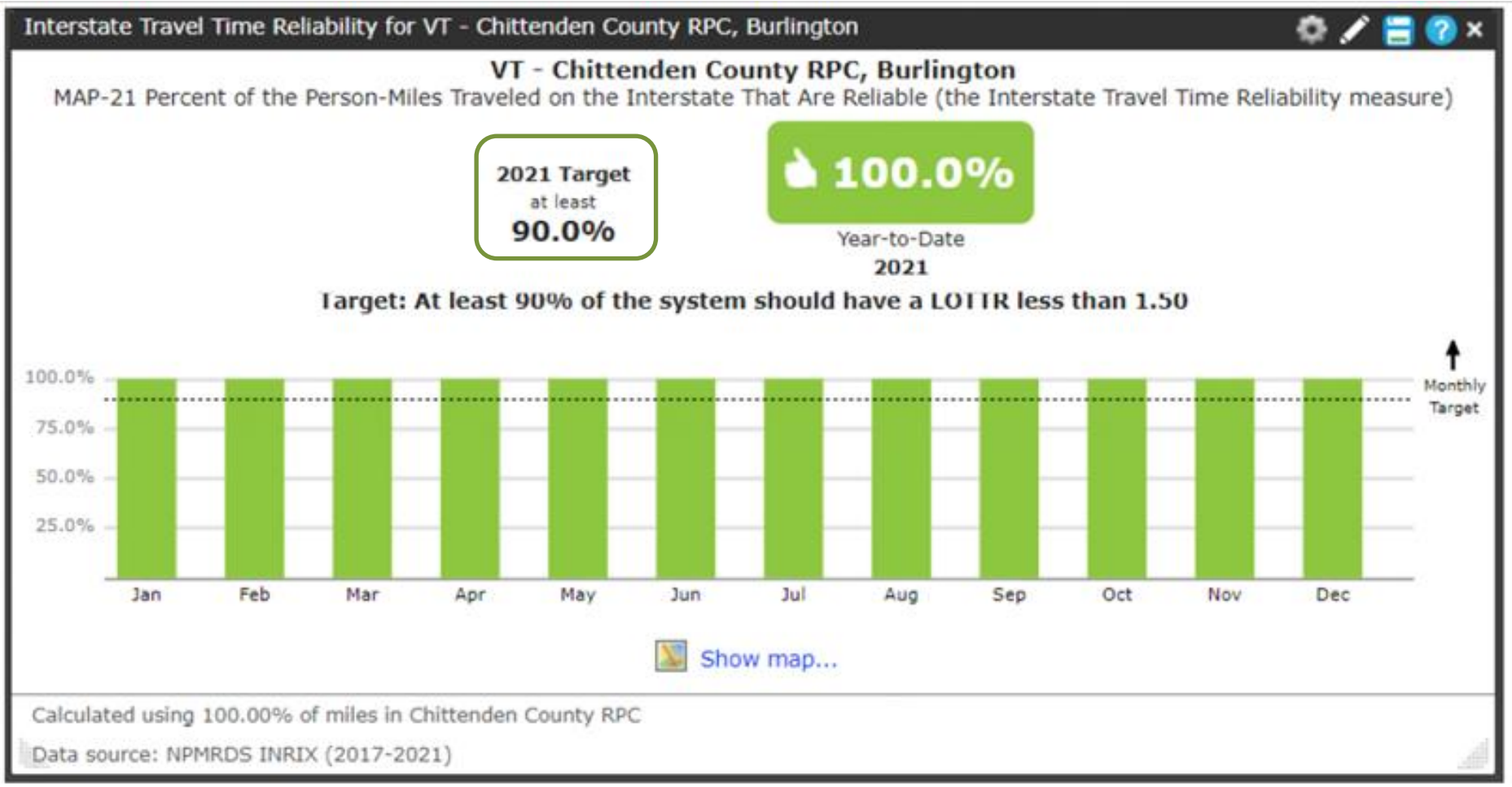
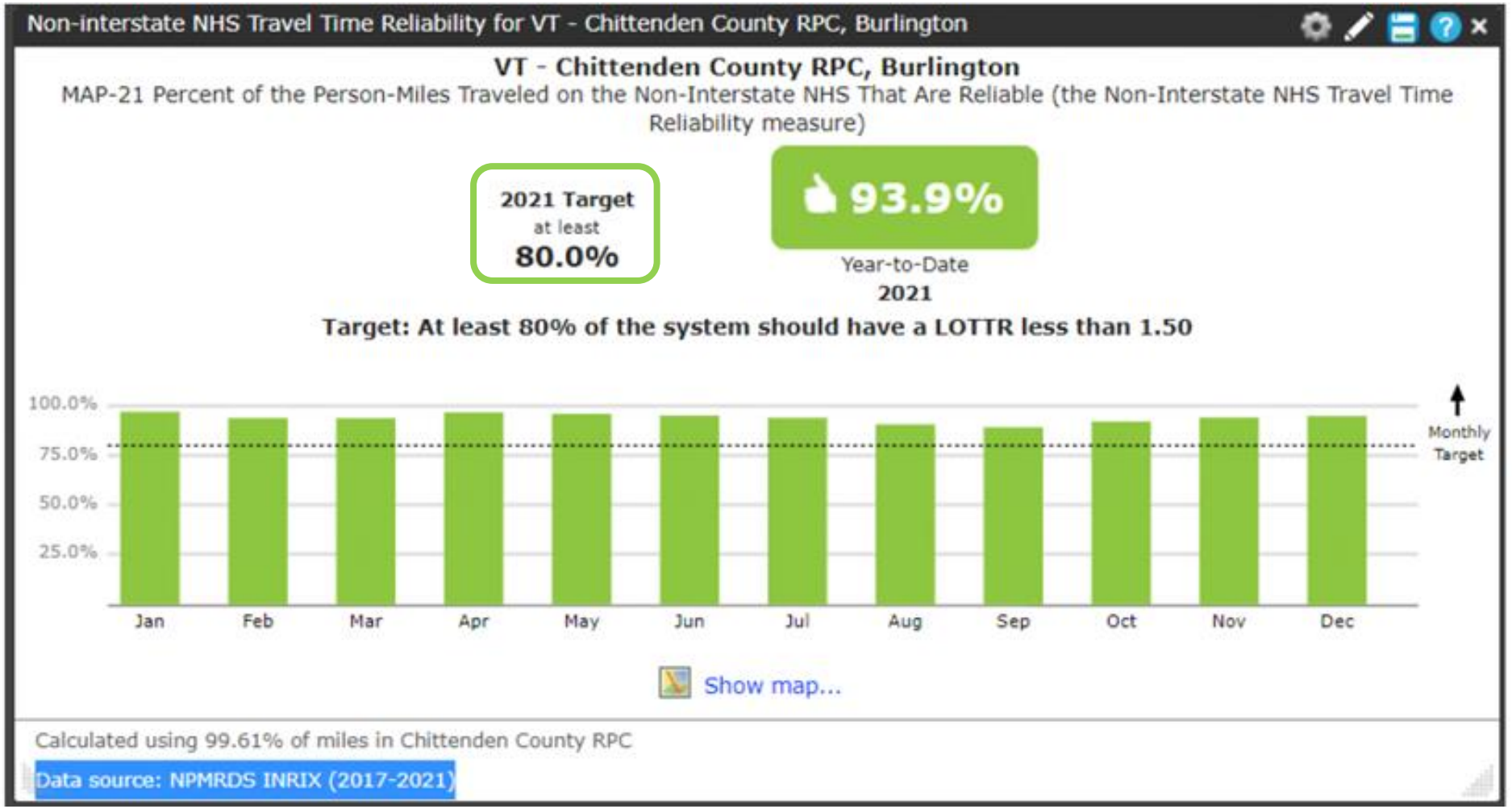
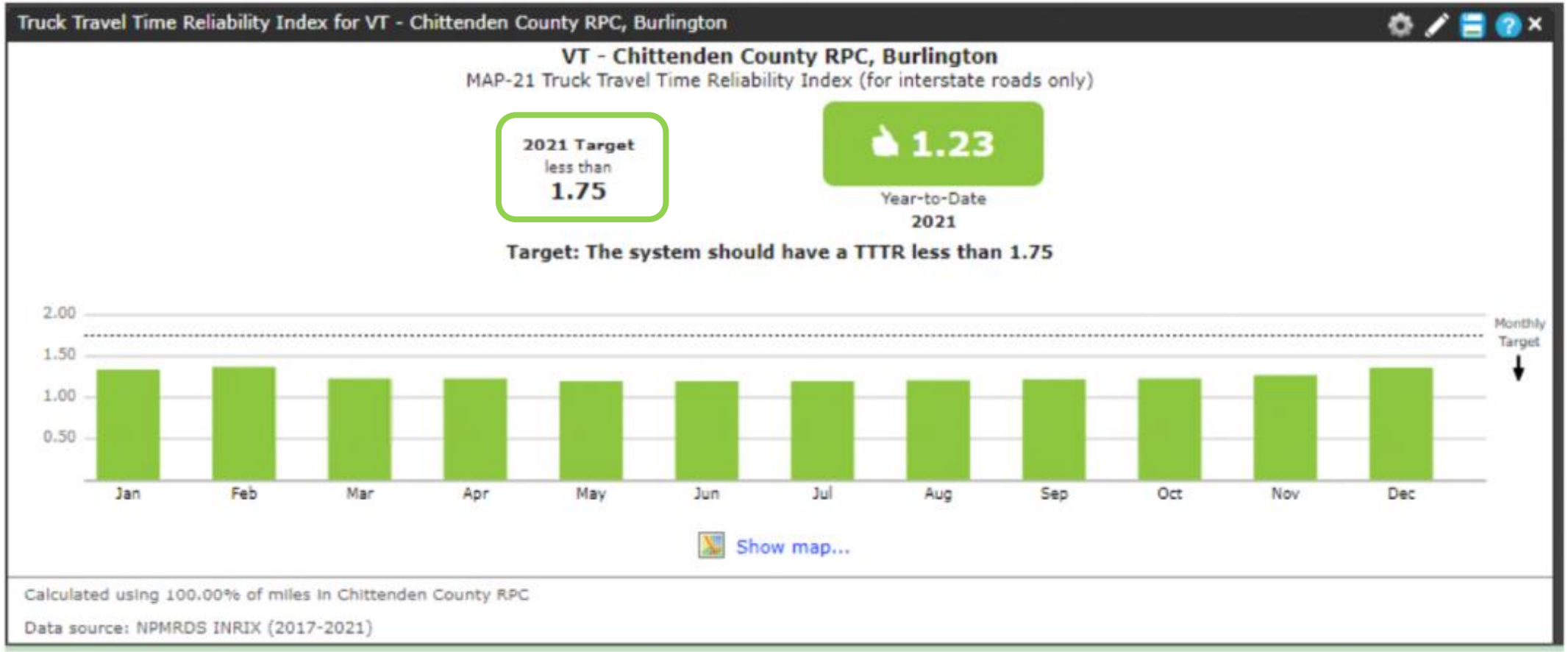
Chittenden County Interstate Travel Time Reliability



Chittenden County Non-Interstate Travel Time Reliability



Chittenden County Interstate Truck Travel Time Reliability Index



Staff Recommendation

The TAC accepts the latest statewide NHS Infrastructure and System Reliability performance targets established by VTrans in CY2022 for the metropolitan planning area and recommends that the CCRPC Board approves these targets

Next Steps

- Board Presentation and Action – May 17, 2023
- Update the CCRPC Performance Management Report and send to VTrans by June 16, 2023