

AAMPO

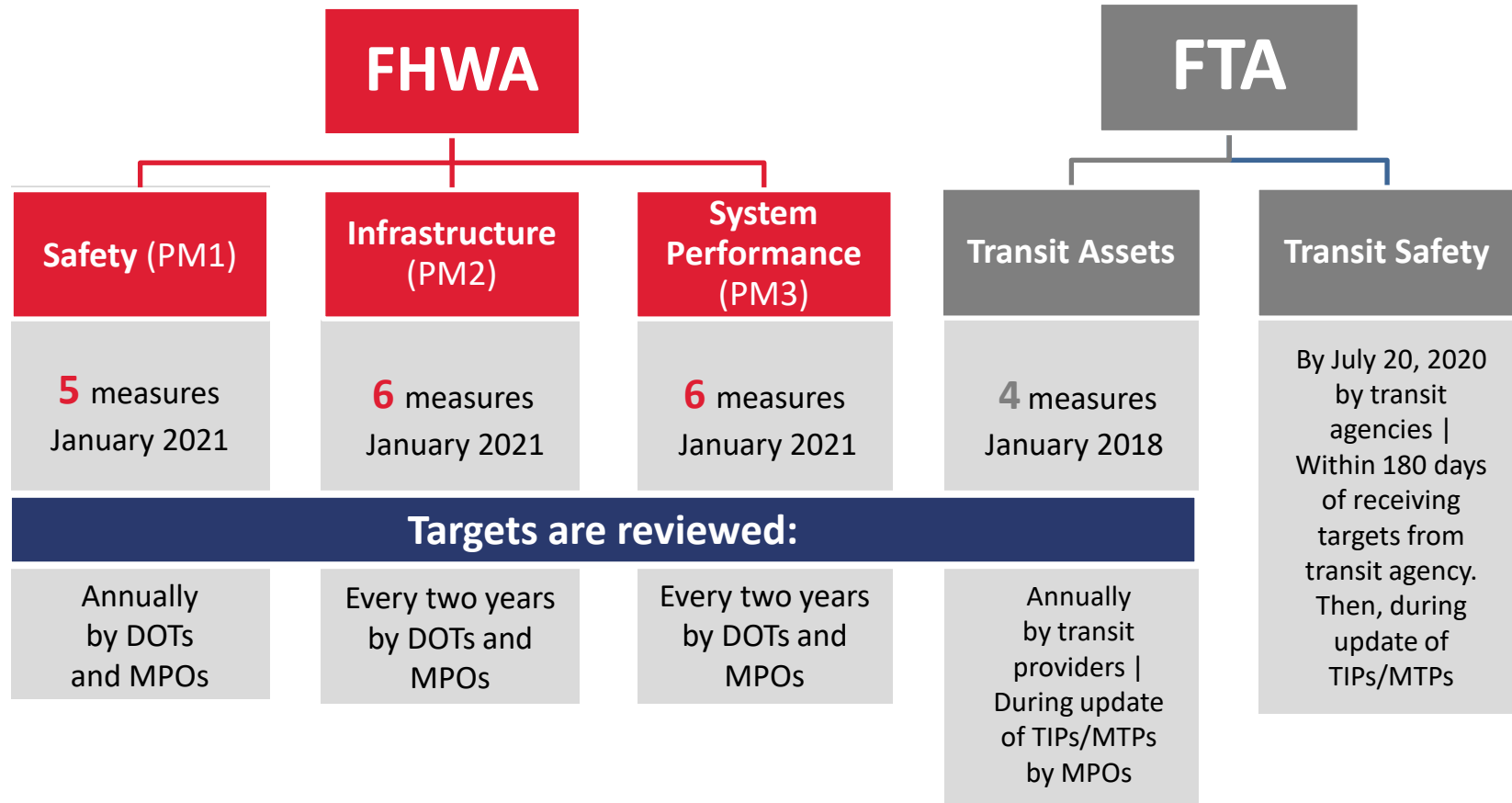
Federal PM3 and CMAQ Performance Measures

June 3, 2022 | Technical Advisory Committee

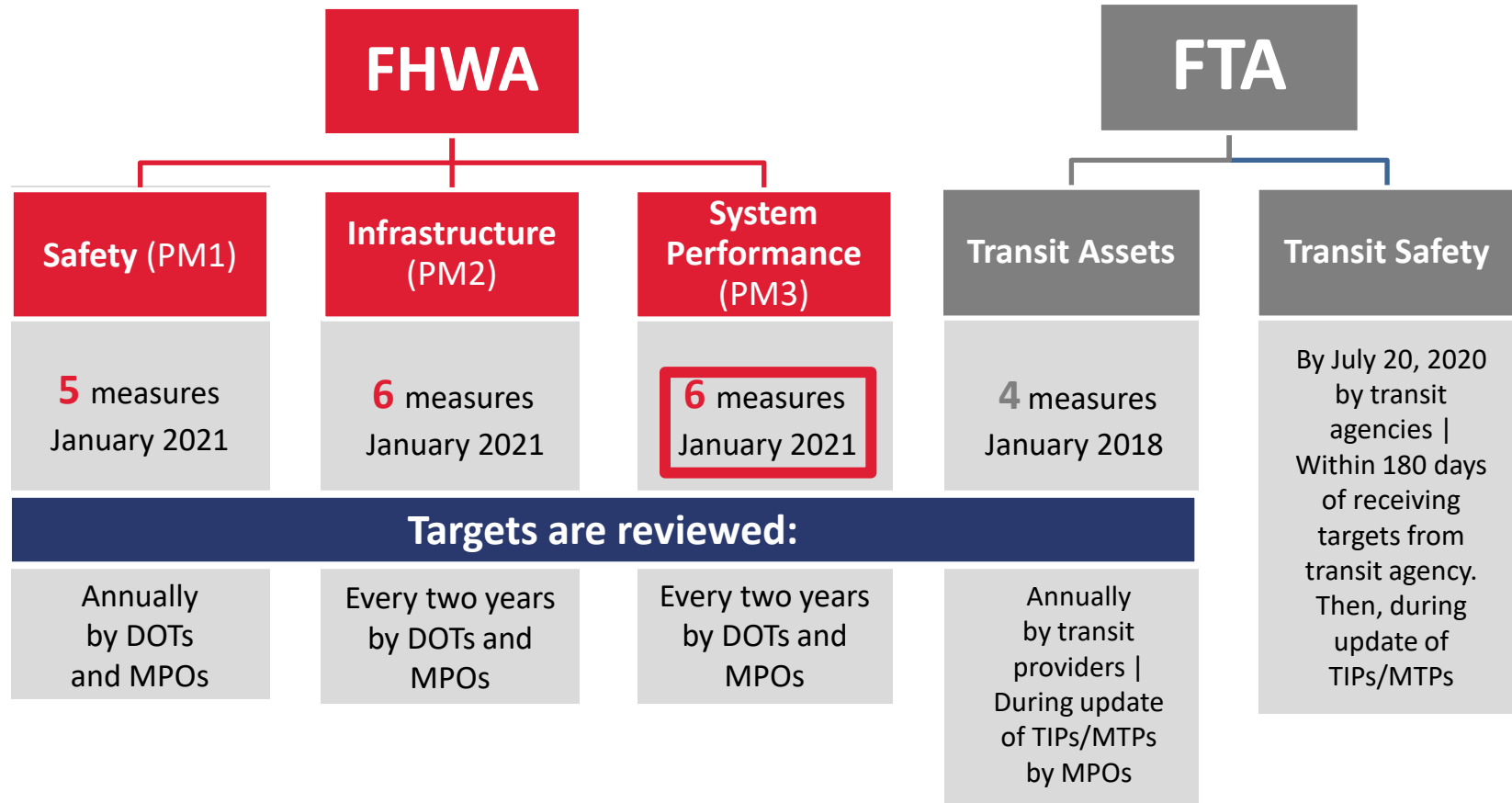
History

- Current performance measures established by MAP-21 in 2012
- Re-affirmed by the FAST Act in 2015; added a few minor changes
- Built off pre-existing stand-alone measures for freight, safety, and environmental sustainability

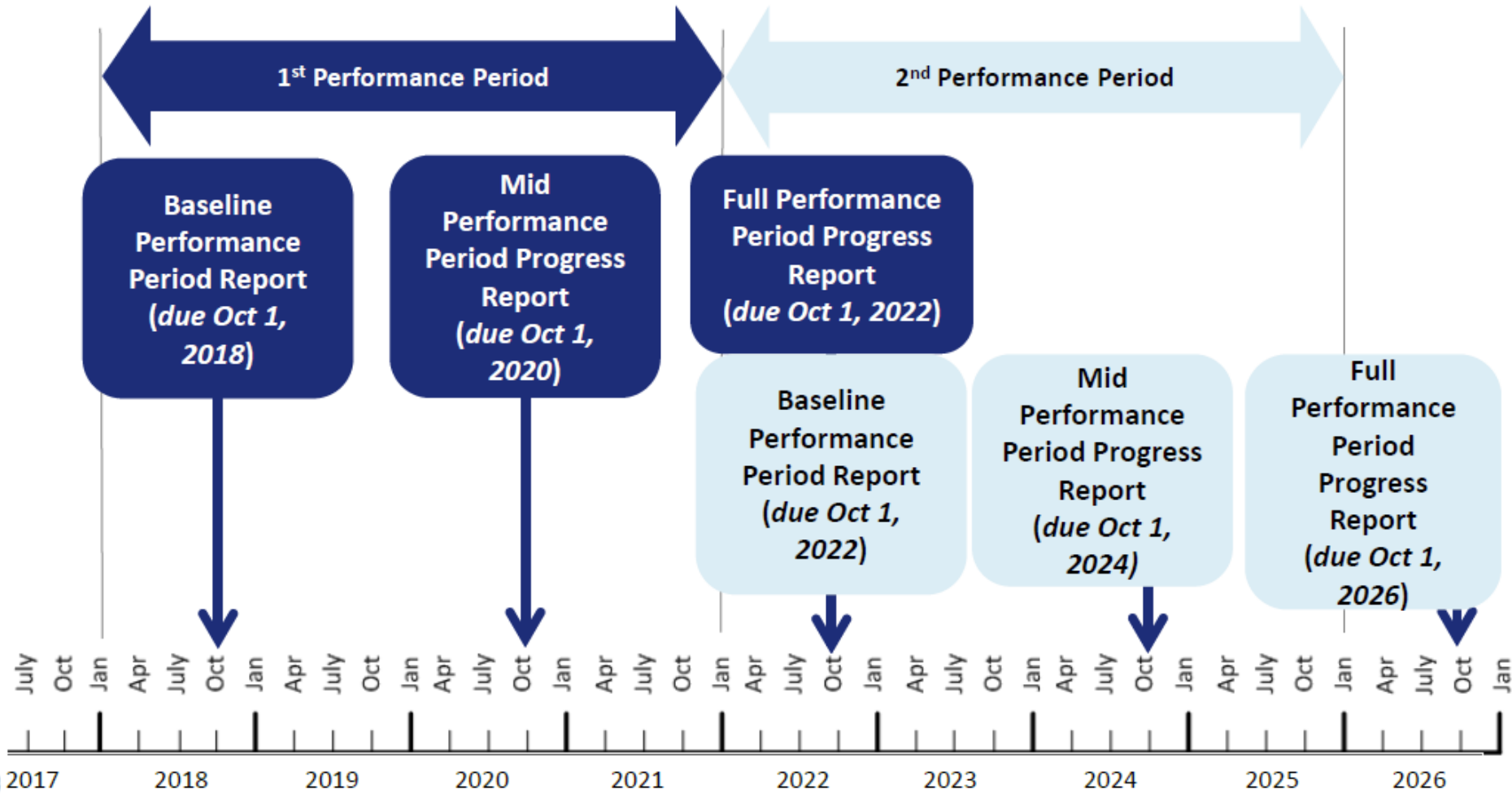
Federal Performance Measure Target Dates



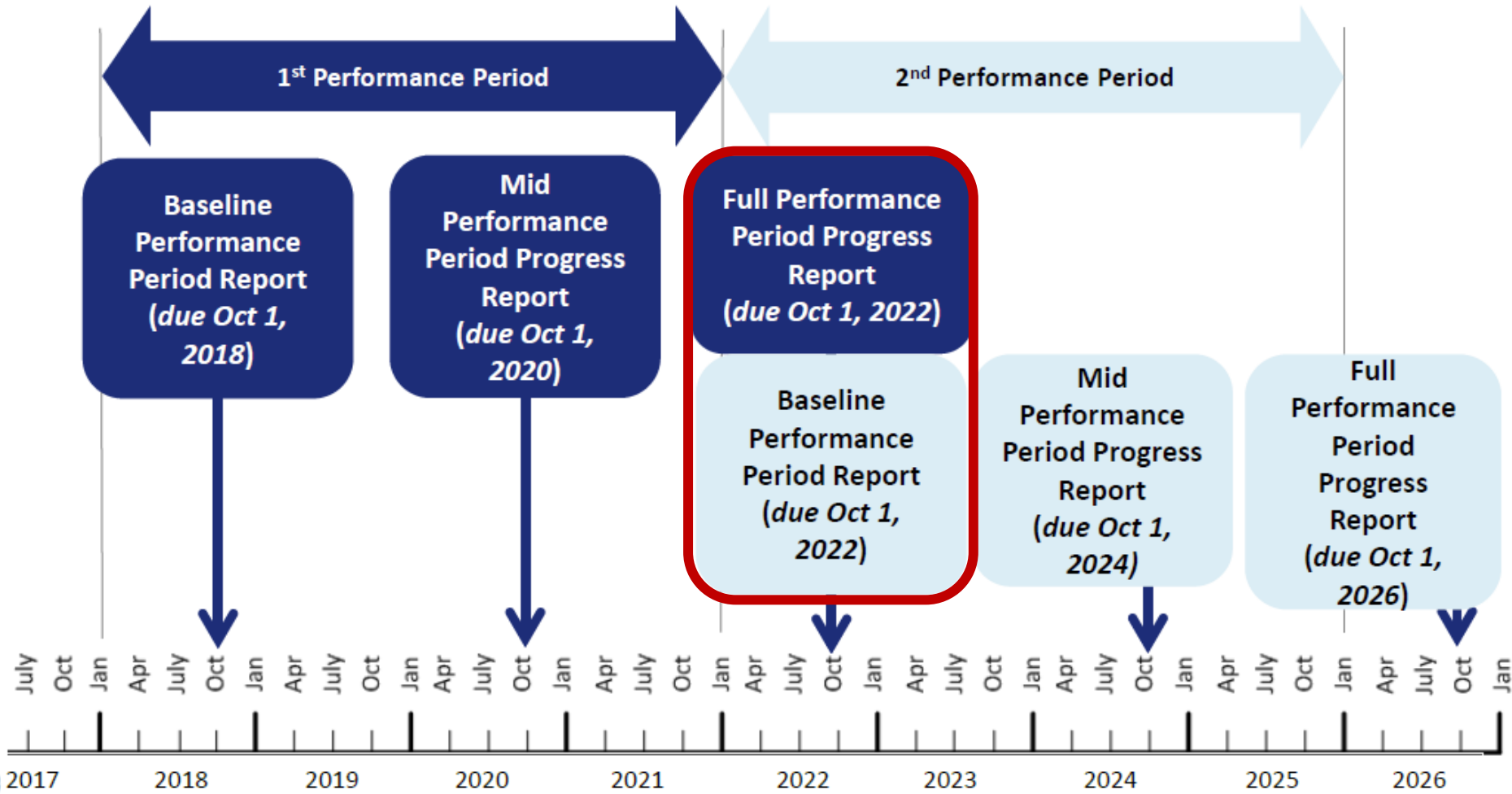
Federal Performance Measure Target Dates



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Federal Performance Measure Target Dates



Federal Performance Measures

PM1

Number (1) and Rate (2)
of Fatalities

Number (3) and Rate (4)
of Serious Injuries

Number (5) of Non-
Motorized Fatalities and
Serious Injuries

PM2

% of Interstate Lane-Miles
in Good (1) and Poor (2)
Condition

% of Non-IH NHS in Good
(3) and Poor (4) Condition

% of NHS Bridges in Good
(5) and Poor (6) Condition

PM3

Interstate (1) and Non-IH
(2) Travel Time Reliability

NHS Truck Travel Time
Reliability (3)

Annual Hours Peak Hour
Excessive Delay (PHED)[4]

% Non-SOV Travel (5)

Total Emissions Reduction
(6)

Federal Performance Measures

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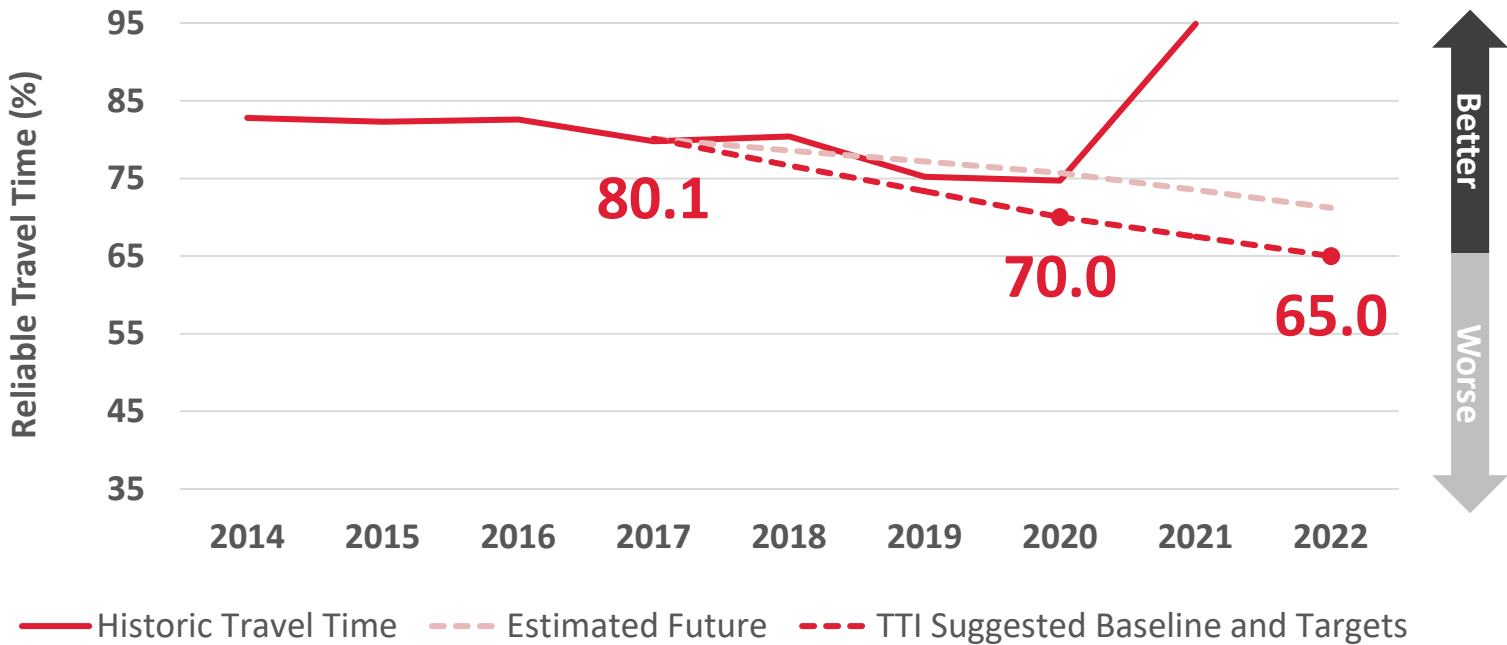
Total Emissions Reduction
(6)

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Setting Texas' System Performance targets

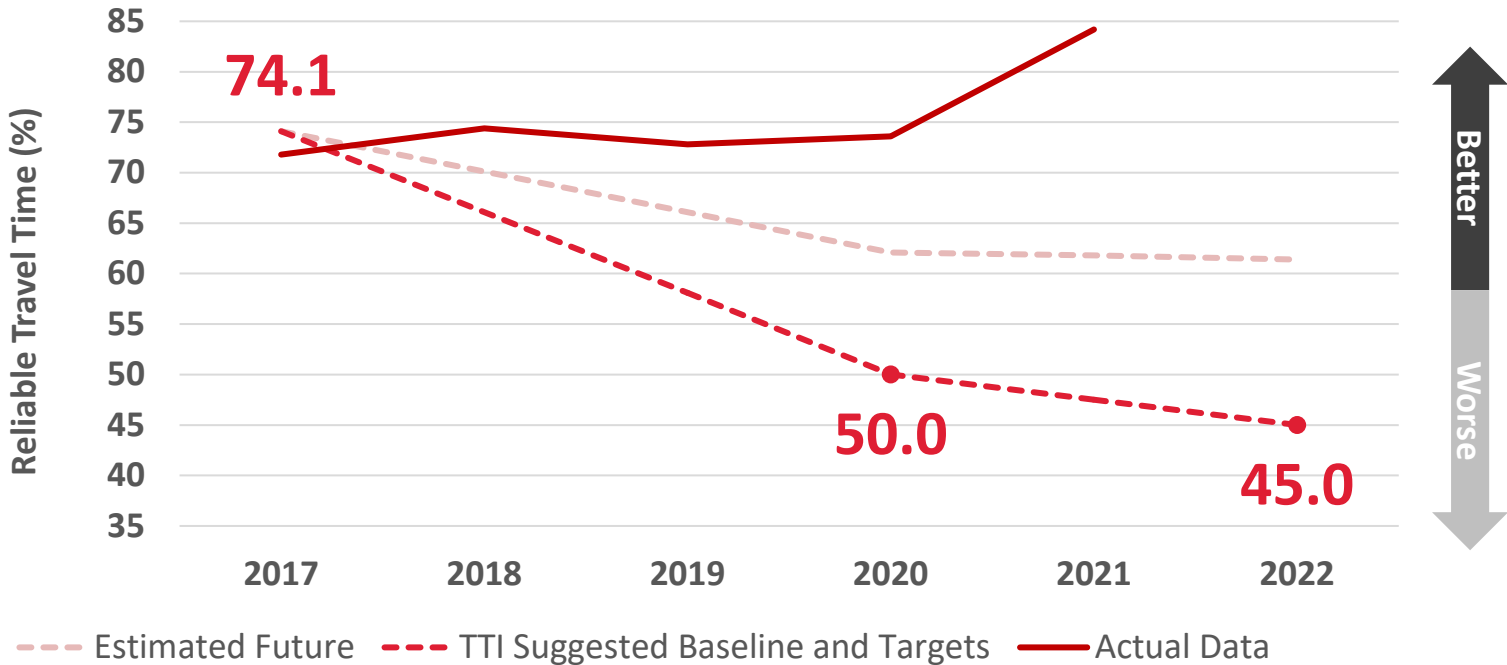
- The **measures are difficult to use and explain** but the process is **designed to incite measurement**
- The penalty for States not meeting targets is to document the actions it will take to achieve the target(s) in its next Biennial Performance Report
- As in Safety target-setting, **MPOs can agree to support the statewide targets** (and to plan and program projects so that they contribute toward their accomplishment) **or choose to develop targets specific to their region**
- **3 additional CMAQ PM3 Measures**, in addition to a **CMAQ Performance Plan** are due for this performance period because of our non-attainment status

Interstate Reliability



	2014	2015	2016	2017	2018	2019	2020	2022
Statewide Baseline and Targets				79.5%			81.2%	70.0%
TTI Suggested Baseline and Targets (AAMPO)				80.1%			70.0%	65.0%
Historic Travel Time Reliability (AAMPO)	79.9%	82.0%	78.2%	80.1%	75.2%	74.7%	94.9% _{YTD}	

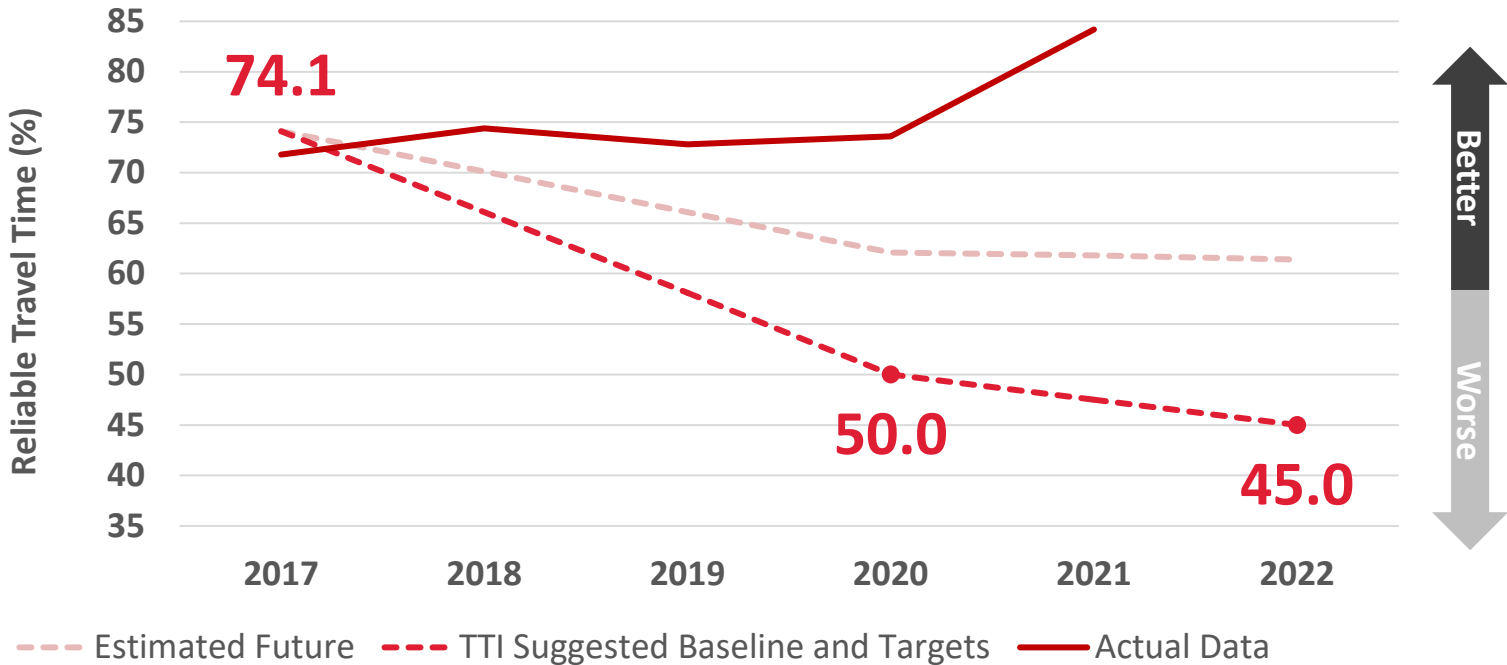
Non-Interstate NHS Reliability



	2017	2018	2019	2020	2022
Statewide Baseline and Targets	80.2%			83.0%	70.0%*
TTI Suggested Baseline and Targets (AAMPO)	74.1%			50.0%	45.0%
Historic Travel Time Reliability (AAMPO)	74.4%	72.8%	73.6	84.2% _{YTD}	

*4-year target changed from 55.4%

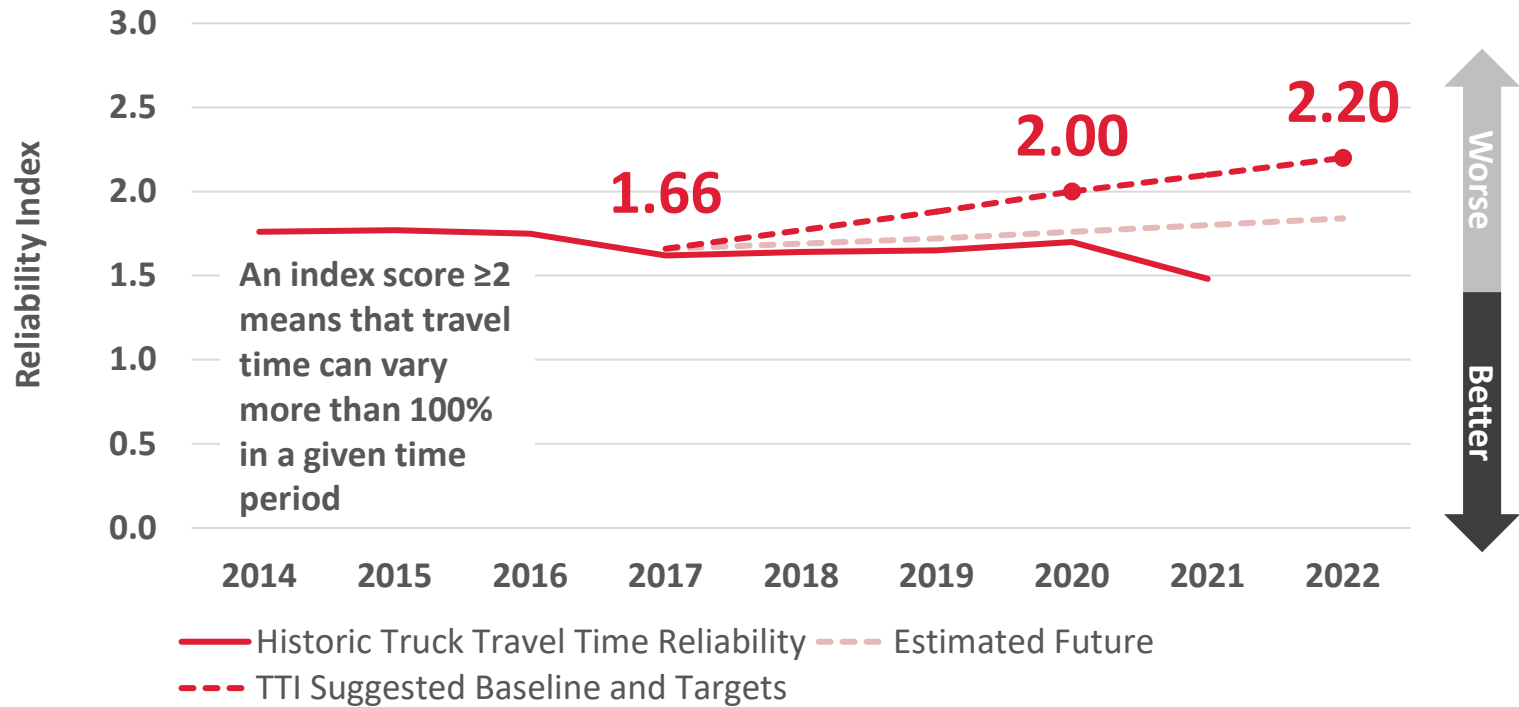
Non-Interstate NHS Reliability



	2017	2018	2019	2020	2022
Statewide Baseline and Targets	80.2%			83.0%	70.0%*
TTI Suggested Baseline and Targets (AAMPO)	74.1%			50.0%	45.0%
Historic Travel Time Reliability (AAMPO)	74.4%	72.8%	73.6	84.2% _{YTD}	

*4-year target changed from 55.4%

Truck Travel Time Reliability



	2014	2015	2016	2017	2018	2019	2020	2021	2022
Statewide Baseline and Targets				1.5			1.44		1.76
TTI Suggested Baseline and Targets (AAMPO)				1.66			2.00		2.20
Historic Travel Time Reliability (AAMPO)	1.76	1.77	1.75	1.62	1.64	1.65	1.70	1.42 _{YTD}	

Reliability Targets

- **AAMPO staff original recommended regional 2022 targets for:**
 - **Interstate reliability (65%) - Meeting**
 - **Non-Interstate NHS reliability (45%) – Meeting**
 - **Truck travel time reliability (1.84) – Meeting**
- **Beginning in May 2019, AAMPO began describing in our TIP how it is anticipated to impact targets**
 - **Plan and program projects that contribute toward the accomplishment of targets**

“CMAQ” Measures (beginning in 2022)

Annual Hours of Peak Hour Excess Delay per capita

- Total hours during peak period (3-7pm or 4-8pm) above a **threshold speed** of 20mph or 60% of speed limit for segment, divided by population of urbanized area

Percent non-SOV Travel

- Measure of **person travel** (not VMT)
- Developed from one of **three** sources:
 - American Community Survey (ACS)(*default*)
 - Local Travel Survey
 - “System use measurement”

Total Emissions Reduction

- Complements emissions reductions reported for CMAQ funding
- Target can be calculated based on projects **let** or **obligated**, or on amount **programmed**; can only credit project **once**

“CMAQ” Performance Plan

- Provided to **state** by MPO for inclusion with **Biennial Performance Reports** submitted to **FHWA**
- AAMPO’s will be a **Baseline Report** containing the following for each **CMAQ Measure**:
 - **Baseline Condition/Performance**
 - **2- and 4-year Targets**
 - Descriptions of relevant **funded projects** and how they will **contribute to achieving targets**

AAMPO

Questions?

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