National Performance Measures and Requirements

NJTPA — NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY

USDOT has established performance measures and target setting/reporting requirements for State DOTs, transit providers, and MPOs to use as required by the Moving Ahead for Progress in the 21st Century Act (MAP-21), the Fixing America's Surface Transportation (FAST) Act, and the Infrastructure Investment and Jobs Act (IIJA). The measures are associated with a range of federal-aid programs administered by FHWA and FTA:

1. Highway Safety Improvement Program (HSIP)
2. National Highway Performance Program (NHPP)
3. National Highway Freight Program (NHFP)
4. Congestion Mitigation and Air Quality Improvement Program (CMAQ)
5. Transit Asset Management (Section 5326)
6. Transit Safety & Oversight (Section 5329)

The measures support national transportation goals:

- Safety
- Infrastructure Condition
- Congestion Reduction
- System Reliability
- Freight Movement and Economic Vitality
- Environmental Sustainability
- Reduced Project Delivery Delays

Reporting to FHWA and/or FTA
(by State DOT, Transit Provider(s), and/or MPO through State DOT)

- Segment data
- Baseline system performance
- Targets (1-yr for roadway/transit safety & transit assets: 2- and 4-yr for others)
- Progress toward targets
- How plan and program will achieve targets
- Extenuating circumstances
- Actions State will undertake to achieve targets
- Related MPO activities (Certification Review)

Timeline → DETAIL ON REVERSE

- Annual – NJDOT: roadway safety targets in HSP (7/1)/HSIP (8/31), HPMS/NBI reporting (3/15, 4/15, 6/15); NJ TRANSIT/PATH: transit asset targets (in TAM Plan); NJTRANSIT: transit safety targets (in PTASP); NJTPA: roadway safety targes (2/27)
- Feb. 1, 2024 – NJDOT: GHG 4-year targets for 2021–2025 performance period
- Jul 30, 2024 – NJTPA: GHG 4-year targets for 2021–2025 performance period (regional and UZAs)
- Oct. 1, 2024 – NJDOT: Mid Performance Period Progress Report on second performance period (option to modify 4-year targets); NJTPA: CMAQ Performance Plan

Coordination

- State DOT / MPO / transit provider(s)
- States and MPOs in Urbanized Areas with population >200K and NHS facilities (CMAQ measures, see below†)
- MPOs in Urbanized Areas with population>50K that overlap multiple MPOs (GHG measure, see below‡)
- Written procedures on data, reporting
- Policy, targets
- Planning with aim to achieve targets
- Communication to officials and public

National Performance Management Measures

Funding Program	Performance Area	Measure	Metric	Interstate	non-Interstate NHS	NHS	All Public Roads	System-wide	CMAQ Projects in AQ Areas*	State	MPO	Urbanized Area	Annual	2-year	4-year
① HSIP	Roadway Safety	5-yr rolling average	# of Fatalities (F)				●			●	●		●		
		5-yr rolling average	rate (per 100 MVMT) of F				●			●	●		●		
		5-yr rolling average	# of Serious Injuries (SI)				●			●	●		●		
		5-yr rolling average	rate (per 100 MVMT) of SI				●			●	●		●		
		5-yr rolling average	# of Non-motorized F+SI				●			●	●		●		
② NHPP	NHS Infrastructure Mgmt	% pavement lane-miles	pavement in good condition	●	●					●	●			●	●
		% pavement lane-miles	pavement in poor condition	●	●					●	●			●	●
		% bridge deck area	bridge in good condition			●				●	●			●	●
		% bridge deck area	bridge in poor condition			●				●	●			●	●
	NHS Performance	% person-miles-traveled (PMT)	with reliable travel times (LOTTR)	●	●					●	●			●	●
		% change in NHS CO2 emissions	relative to 2022 levels (GHG)			●				●	●	●‡			●
③ NHFP	Freight	Index	truck travel time reliability (TTTR)	●						●	●				●
④ CMAQ	Congestion	Annual hours per capita	peak hour excessive delay (PHED)		●							●†		●	●
		%	non-SOV travel					●				●†		●	●
	Emissions	Total emissions reduction	air pollutant emissions						●	●	●			●	●
⑤ §5326	Transit Asset Mgmt	4 measures	(see list on reverse)					●					●		
⑥ §5329	Transit Safety	7 measures	(see list on reverse)					●					●		

AQ Areas are nonattainment or maintenance areas for ozone, carbon monoxide or particulate matter

†*Urbanized Areas > 200,000 population that overlap AQ Areas*

‡*Urbanized Areas > 50,000 population that overlap multiple MPO boundaries*

†NJTPA Urbanized Areas for CMAQ

New York-Newark (NY-NJ)
- NJTPA, NJDOT, NYSDOT, NYMTC, DVRPC

Philadelphia (NJ-PA-MD-DE)
- NJTPA, NJDOT, PennDOT, MDOT, DelDOT, DVRPC, SJTPO, WILMAPCO, LCTCC

Allentown (PA-NJ)
- NJTPA, NJDOT, PennDOT, DVRPC, LVPC, NEPA, RATS

‡NJTPA Urbanized Areas for GHG

New York-Newark (NY-NJ-CT)
- NJTPA, NYMTC, DVRPC, DCTC, SWMPO

Philadelphia (NJ-PA-MD-DE)
- NJTPA, DVRPC, SJTPO, WILMAPCO, LCTCC

Allentown (PA-NJ)
- NJTPA, DVRPC, LVTS, NEPA, RATS

Trenton (NJ)
- NJTPA, DVRPC

Twin Rivers-Hightstown (NJ)
- NJTPA, DVRPC

East Stroudsburg (PA-NJ)
- NJTPA, NEPA

Poughkeepsie-Newburgh (NY-NJ)
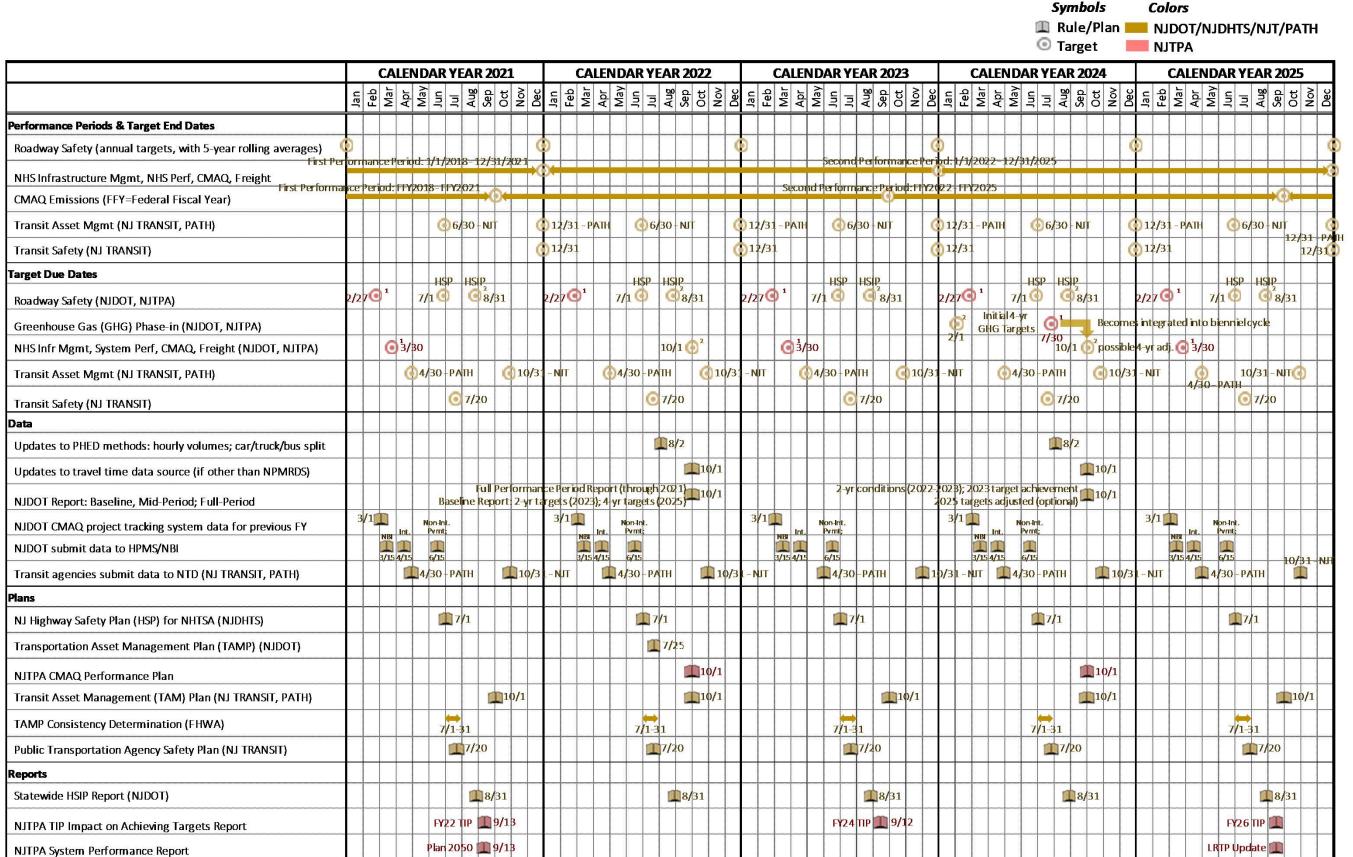- NJTPA, DCTC, OCTC, UCTC

ESTIMATED TIMELINE FOR MAP-21/FAST ACT/IIJA PERFORMANCE-BASED PLANNING

Symbols
- 📖 Rule/Plan
- ◎ Target

Colors
- ▬ NJDOT/NJDHTS/NJT/PATH
- ▬ NJTPA

DETAILED LIST OF TRANSIT ASSET MANAGEMENT AND SAFETY MEASURES

⑤ Transit Asset Management
- % service vehicles met or exceeded useful life benchmark (ULB)
- % revenue vehicles met or exceeded ULB (by asset class)
- % track segments w/ performance restrictions
- % facilities rated below condition 3 on the TERM scale (by asset class)

⑥ Transit Safety
- # reportable fatalities by mode
- Rate of reportable fatalities per total vehicle revenue miles (TVRM) by mode
- # reportable injuries by mode
- Rate of reportable injuries per TVRM by mode
- # reportable safety events by mode
- Rate of reportable safety events per TVRM by mode
- Mean distance between major mechanical failures by mode

Calendar Years 2021–2025 (Jan–Dec)

Performance Periods & Target End Dates

Item	Notes / Targets
Roadway Safety (annual targets, with 5-year rolling averages)	Targets (◎) at Feb 2021, Feb 2022, May 2023, Feb 2024, Dec 2025
NHS Infrastructure Mgmt, NHS Perf, CMAQ, Freight	First Performance Period: 1/1/2018–12/31/2021; Second Performance Period: 1/1/2022–12/31/2025
CMAQ Emissions (FFY=Federal Fiscal Year)	First Performance Period: FFY2018–FFY2021; Second Performance Period: FFY2022–FFY2025
Transit Asset Mgmt (NJ TRANSIT, PATH)	6/30 – NJT; 12/31 – PATH (alternating each year)
Transit Safety (NJ TRANSIT)	12/31 (each year)

Target Due Dates

Item	Notes / Targets
Roadway Safety (NJDOT, NJTPA)	2/27[1]; 7/1; HSP 8/31 / HSIP[2] (each year)
Greenhouse Gas (GHG) Phase-in (NJDOT, NJTPA)	2/1[2]; Initial 4-yr GHG Targets 7/30[1]; Becomes integrated into biennial cycle; possible 4-yr adj.[2]
NHS Infr Mgmt, System Perf, CMAQ, Freight (NJDOT, NJTPA)	3/30[1]; 10/1[2]
Transit Asset Mgmt (NJ TRANSIT, PATH)	4/30 – PATH; 10/31 – NJT
Transit Safety (NJ TRANSIT)	7/20

Data

Item	Notes / Dates
Updates to PHED methods: hourly volumes; car/truck/bus split	8/2
Updates to travel time data source (if other than NPMRDS)	10/1
NJDOT Report: Baseline, Mid-Period; Full-Period	Baseline Report: 2-yr targets (2023); 4-yr targets (2025) 10/1; Full Performance Period Report (through 2021); 2-yr conditions (2022–2023); 2023 target achievement 2025 targets adjusted (optional) 10/1
NJDOT CMAQ project tracking system data for previous FY	3/1
NJDOT submit data to HPMS/NBI	NBI 3/15; Int. 4/15; Non-Int. Pvmt 6/15
Transit agencies submit data to NTD (NJ TRANSIT, PATH)	4/30 – PATH; 10/31 – NJT

Plans

Item	Notes / Dates
NJ Highway Safety Plan (HSP) for NHTSA (NJDHTS)	7/1
Transportation Asset Management Plan (TAMP) (NJDOT)	7/25
NJTPA CMAQ Performance Plan	10/1
Transit Asset Management (TAM) Plan (NJ TRANSIT, PATH)	10/1
TAMP Consistency Determination (FHWA)	7/1–31
Public Transportation Agency Safety Plan (NJ TRANSIT)	7/20

Reports

Item	Notes / Dates
Statewide HSIP Report (NJDOT)	8/31
NJTPA TIP Impact on Achieving Targets Report	FY22 TIP 9/13; FY24 TIP 9/12; FY26 TIP
NJTPA System Performance Report	Plan 2050 9/13; LRTP Update

[1] MPO targets are due 180 days after state/transit agency shares targets with MPO

[2] MPOs that have NHS facilities within urbanized areas (>1 million for first performance period, >200,000 thereafter) need to jointly establish targets for PHED and non-SOV travel

NJTPA