

Preparing for 2018 – The Journey begins ~~Today~~ Soon



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“you can achieve incredible progress if you set a clear goal and find a measure that will drive progress toward that goal ... this may seem basic, but it is amazing how often it is not done, and how hard it is to get right”

Bill Gates, 2013

**What must ALDOT
develop by
May 20, 2018?**

National Performance Measure Targets

- Infrastructure Conditions (PM2)
 - Pavement
 - Bridges
- System Performance (PM3)
 - NHS reliability and environmental performance
 - Freight performance
 - CMAQ performance

**FAST
ACT**



2018–2019 HSIP SAFETY PERFORMANCE TARGETS TIMELINE

https://safety.fhwa.dot.gov/hsip/spm/docs/timeline_factsheet.pdf

Spring 2017

Safety stakeholders coordinate on setting 2014-2018 Highway Safety Improvement Program (HSIP) targets.

July 1, 2017

State Highway Safety Offices report the 3 identical HSIP targets in the Highway Safety Plan (HSP) to NHTSA.

August 31, 2017

State DOTs report 2014-2018 HSIP targets in the HSIP Annual Report to FHWA.

January 1, 2018

Calendar Year 2018 commences for 2014-2018 HSIP targets.

February 27, 2018

Last day for MPOs to establish 2014-2018 HSIP targets.

Spring 2018

Safety stakeholders coordinate on setting 2015-2019 HSIP targets.

July 1, 2018

State Highway Safety Offices report the 3 identical HSIP targets in the HSP to NHTSA.

August 31, 2018

State DOTs report 2015-2019 HSIP targets in the HSIP Annual Report to FHWA.

December 31, 2018

Calendar Year 2018 concludes for 2014-2018 HSIP targets.

Coordination With Other Plans

Long-range statewide transportation plans (LRSTPs) and Metropolitan Transportation Plans (MTPs) updated on or after **May 27, 2018** must include safety performance measures and targets.

Statewide Transportation Improvement Programs (STIPs) and Transportation Improvement Programs (TIPs) updated on or after May 27, 2018 must include a description of how the STIP/TIP contributes to achieving the performance targets in the LRSTP/MTP.

January 1, 2019

Calendar Year 2019 commences for 2015-2019 HSIP targets.

February 27, 2019

Last day for MPOs to establish 2015-2019 HSIP targets.

Spring 2019

Safety stakeholders coordinate on setting 2016-2020 HSIP targets.

July 1, 2019

State Highway Safety Offices report the 3 identical HSIP targets in the HSP to NHTSA.

August 31, 2019

State DOTs report 2016-2020 HSIP targets in the HSIP Annual Report to FHWA.

December 31, 2019

Calendar Year 2019 concludes for 2015-2019 HSIP targets.

Upcoming Work Tasks

- Establish Working Group and Road Map framework for ALDOT national performance measure strategy
- Develop & calculate baseline performance results using National Performance Management Research Data Set (NPMRDS)
- Identify ALDOT and MPO 2- and 4-year performance targets
- Coordinate targets with MPOs
- Develop & submit 2018 Baseline Performance Report to FHWA
- Develop Performance Management Compliance Manual

Working Group

- ALDOT and MPO staff
- Develop Road Map
 - Outlines ALDOT's national measures compliance strategy for the first (2018-2022) cycle of national performance measurement activities
- Meet 6 times via webinars and in-person
 - 2017 – Review baseline 2016/2017 performance and discuss reasonable targets
 - 2018 – Review 2017 performance and set 2- and 4-year targets

System Performance – Measure & Extent

- Reliability performance

Percent of Person-Miles Traveled on the Interstate System That Are Reliable	Mainline of the Interstate System within AL or each MPO area
Percent of Person-Miles Traveled on the Non-Interstate NHS That Are Reliable	Mainline of the non-Interstate NHS within AL or each MPO area

- Environmental performance

Percent Change in Tailpipe CO₂ Emissions on the NHS from the Calendar Year 2017	NHS within AL or each metropolitan planning area
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System Performance – Measure & Data

- Reliability performance

Percent of Person-Miles Traveled on the Interstate System That Are Reliable	All traffic/vehicles data in NPMRDS every 15-minutes
Percent of Person-Miles Traveled on the Non-Interstate NHS That Are Reliable	All traffic/vehicles data in NPMRDS every 15-minutes

- Environmental performance

Percent Change in Tailpipe CO₂ Emissions on the NHS from the Calendar Year 2017	Annual state total fuel sales data from highway Statistics and VMT estimates on NHS and all public roads from HPMS
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System Performance – Measure & Metric

- Reliability performance

Percent of Person-Miles Traveled on the Interstate System That Are Reliable	Level of Travel Time Reliability (LOTTR)
Percent of Person-Miles Traveled on the Non-Interstate NHS That Are Reliable	Level of Travel Time Reliability (LOTTR)

- Environmental performance

Percent Change in Tailpipe CO₂ Emissions on the NHS from the Calendar Year 2017	Annual Total Tailpipe CO₂ Emissions on the NHS
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Freight Movement – Measure & Extent

- Freight performance

**Percentage of the Interstate System
Mileage providing for Reliable Truck Travel
Times**

Mainline of the Interstate
System within AL or MPO area

Freight Movement – Measure & Data

- Freight performance

**Percentage of the Interstate System
Mileage providing for Reliable Truck Travel
Times**

Truck data in NPMRDS or
equivalent data set—every
15—minutes

Freight Movement – Measure & Metric

- Freight performance

**Percentage of the Interstate System
Mileage providing for Reliable Truck Travel
Times**

**Truck Travel Time Reliability
(TTTR) Index**

CMAQ – Measure & Extent

- Congestion Mitigation and Air Quality

Annual Hours of Peak-Hour Excessive Delay Per Capita	NHS in area with a population over 1M/200k in nonattainment or maintenance for any of the criteria pollutants
Percent of Non- SOV Travel	Urbanized areas with a population over 1M/200k in nonattainment or maintenance for any of the criteria pollutants
Total Emissions Reduction	All nonattainment and maintenance areas for CMAQ criteria pollutants

CMAQ – Measure & Data

- Congestion Mitigation and Air Quality

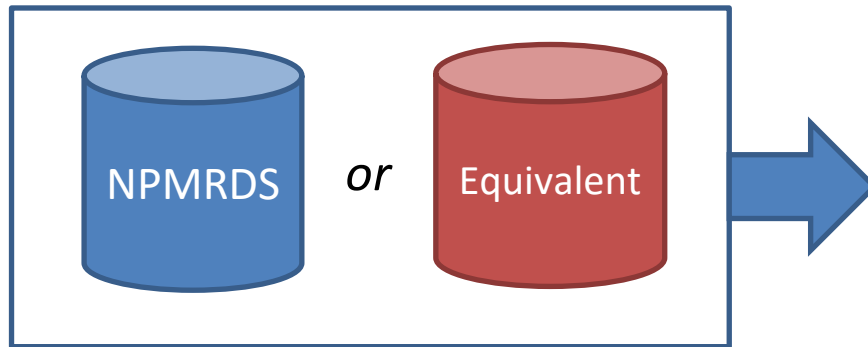
Annual Hours of Peak-Hour Excessive Delay Per Capita	All traffic/vehicles data in NPMRDS - every 15 minutes; bus, car and truck volumes in HPMS; and occupancy factors published by FHWA
Percent of Non- SOV Travel	American Community Survey, local survey, or local counts (includes bike/ped counts)
Total Emissions Reduction	CMAQ Public Access System

CMAQ – Measure & Metric

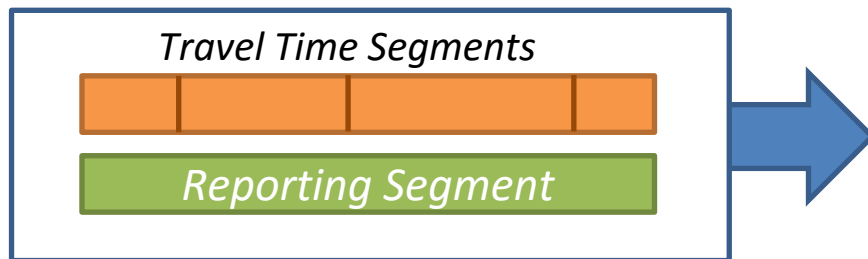
- Congestion Mitigation and Air Quality

Annual Hours of Peak-Hour Excessive Delay Per Capita	Total Peak-Hour Excessive Delay person-hours
Percent of Non- SOV Travel	N/A
Total Emissions Reduction	N/A

Travel Time Database



- Available since 2013
- 15 minute intervals
- 100% coverage of NHS
- Passenger and Truck Travel Times
- 24 hours of every day of the year
- Monthly update



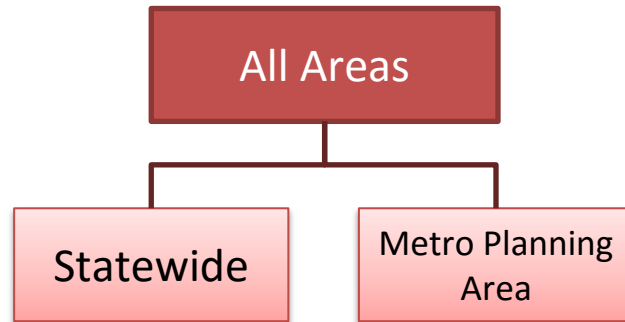
- Submitted by State (agreed by MPO)
- Not exceed 1 mile length in MPO area
- Not exceed 10 miles in non-urban area

Target Setting

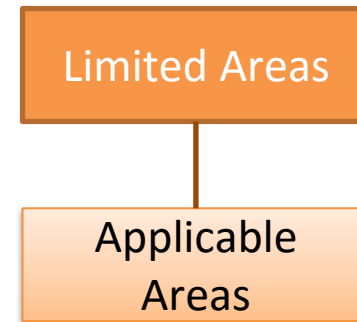
- Develop ALDOT 2- and 4-year performance targets for each measure.
- Coordinate with ALDOT and MPOs to choose realistic targets for the seven measures.
 - Review past performance
 - Review program investment levels
 - Funding, VMT, population and economic trends
 - Strategic direction in modal Plans
 - ALDOT and MPO goals
 - Risk factors



Target Setting - Applicability



- Travel Time Reliability
- Environmental CO₂ Reduction
- Freight Reliability



- CMAQ measures

Target Setting Schedule (as of today)

- ALDOT will establish state targets no later than May 20, 2018
- MPOs have up to 180 days (Nov. 16, 2018) after ALDOT establish state targets to:
 - agree with the state target or
 - establish its own MPO targets
- MPOs are not required to provide a separate report to FHWA
- ALDOT and MPOs must agree on a reporting process

ALDOT Reporting Requirements

- Four FHWA performance reports
 - 2016: Submitted October 1, 2016
 - 2018: Baseline Report due October 1, 2018
 - 2020: Mid-period Report due October 1, 2020
 - 2022: Full Performance Period Progress Report due October 1, 2022
- ALDOT will report using an electronic template provided by FHWA

MPO Reporting Requirements

- MPOs will report targets and progress consistent with the following:
 - Develop a process with ALDOT to document and report targets
 - Report baseline condition/performance and progress toward the achievement of targets in the system performance report in the metropolitan transportation plan
 - TMA's will develop a CMAQ performance plan
 - Determined by the most recent annual population estimates from the U.S. Census Bureau

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Questions?



Baseline Report – Due Oct. 1, 2018

- 2-year and 4-year targets
- Baseline condition/performance
- Relationship with other performance expectations documented in long range plans
- Urbanized area boundaries and population data for targets
- Congestion at truck freight bottlenecks
- GHG metric for GHG measure
- Nonattainment and maintenance areas boundaries (if applicable)
- MPO CMAQ Performance Plans (if applicable)
- Data collection method for Non-SOV Travel measure (if applicable)

Mid-Period Report – Due Oct. 1, 2020

- 2-year condition/performance
- 2-year progress in achieving performance targets
- Investment strategy discussion
- Discussion of congestion at truck freight bottlenecks
- Target adjustment discussion
- 2-year significant progress discussion for the National Highway Performance Program (NHPP) targets and the National Highway Freight Program (NHFP) targets
- Extenuating Circumstances discussion on 2-year Targets
- Applicable target achievement discussion (if targets not met)
- GHG metrics for the GHG measure
- MPO CMAQ Performance Plan (if applicable)

Full Performance Period Progress Report – Due Oct. 1, 2022

- 4-year condition/performance
- 4-year progress in achieving performance targets
- Investment strategy discussion
- Congestion at freight bottlenecks
- 4-year significant progress evaluation for applicable targets
- Extenuating circumstances discussion on applicable targets
- Applicable Target Achievement Discussion (if targets not met)
- MPO CMAQ Performance Plan. (if applicable)
- GHG metrics for the GHG measure