# DRAFT Transportation Conformity Demonstration:

Draft *Update:Connections 2050* Long-Range Plan,
DRAFT FFY2026 TIP for New Jersey,
FFY2025 TIP for Pennsylvania

*August 2025*

## PUBLIC COMMENT PERIOD:

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# Glossary of Acronyms and Terms

| | |
|---|---|
| **AQ** | Air Quality |
| **CAA** | Clean Air Act (as amended) |
| **CFR** | Code of Federal Regulations |
| **CO** | Carbon Monoxide |
| **DEP** | State Department of Environmental Protection |
| **DOT** | State Department of Transportation |
| **DRPA** | Delaware River Port Authority |
| **DVRPC** | Delaware Valley Regional Planning Commission |
| **FHWA** | Federal Highway Administration |
| **Final Rule** | Current conformity guidance under CAA |
| **FR** | *Federal Register* |
| **FTA** | Federal Transit Administration |
| **FY** | Fiscal Year |
| **LRP** | DVRPC's Long-Range Plan |
| **Maintenance Area** | Area that previously did not meet NAAQS |
| **MOVES** | Motor Vehicle Emissions Simulator: the most recent emissions estimation model approved by the U.S. EPA |
| **MPO** | Metropolitan Planning Organization |
| **MVEB** | Motor Vehicle Emissions Budget |
| **NAAQS** | National Ambient Air Quality Standards |
| **$NH_3$** | Ammonia |
| **NJT** | New Jersey Transit |
| **Nonattainment Area** | Area currently not meeting the NAAQS |
| **$NO_x$** | Nitrogen Oxides |
| **NRS** | Not Regionally Significant |
| **PATCO** | Port Authority Transit Corporation |
| **PennDOT** | Pennsylvania Department of Transportation |
| **PM** | Particulate Matter |
| **$PM_{2.5}$** | Fine Particulate Matter |
| **$PM_{10}$** | Coarse Particulate Matter |
| **ppm** | Parts per Million |
| **SIP** | State Implementation Plan |
| **SEPTA** | Southeastern Pennsylvania Transportation Authority |
| **$SO_x$** | Sulfur Oxides |
| **TAZ** | Traffic Analysis Zone |
| **TCICG** | Transportation Conformity Interagency Consultation Group |
| **TCM** | Transportation Control Measure |
| **TDM** | Travel Demand Model |
| **TIP** | Transportation Improvement Program |
| **U.S.C.** | U.S. Code |
| **U.S. EPA** | U.S. Environmental Protection Agency |
| **VMT** | Vehicle Miles Traveled |
| **VOCs** | Volatile Organic Compounds |

# Executive Summary

**Where is Transportation Conformity required?**

**Nonattainment Areas:** a region that currently does not meet the NAAQS.

**Maintenance Areas:** a region that **previously** violated air quality standards but currently meets the standards and has an approved Clean Air Act (CAA) section 175(a) maintenance plan.

## Overview

Transportation conformity is the process by which metropolitan planning organizations (MPOs) or departments of transportation (DOTs) demonstrate that transportation projects included in a region's Long-Range Plan (LRP) or Transportation Improvement Program (TIP) do not cause new air quality violations, worsen existing violations, or delay timely attainment of the National Ambient Air Quality Standards (NAAQS).

A transportation conformity demonstration is required at least once every four years or when an MPO: (1) adopts a new LRP or TIP; or (2) amends, adds, or deletes a regionally significant, nonexempt project in a LRP or TIP. This conformity demonstration is required due to a new long-range plan, *Update*: *Connections 2050*; a new Draft Federal Fiscal Year (FFY) 2026-2029 TIP for New Jersey; and amendments to the FFY 2025–2028 TIP for Pennsylvania.

The Delaware Valley Regional Planning Commission (DVRPC) region includes a complex combination of nonattainment and maintenance areas for ozone and fine particulate matter ($PM_{2.5}$). The region's ozone nonattainment area encompasses the entire nine-county DVRPC region, while the $PM_{2.5}$ maintenance areas encompass various portions of the region. The region is required to demonstrate transportation conformity for each of these standards in each of the appropriate geographic areas covered by the nonattainment and maintenance areas.

This Executive Summary highlights DVRPC's conformity demonstration for:

**Volatile Organic Compounds (VOCs) and Nitrogen Oxides ($NO_x$) meeting the 1997, 2008, and 2015 Eight-Hour Ozone NAAQS requirements in:**

- the DVRPC portion of the Philadelphia–Wilmington–Atlantic City, PA–NJ–MD–DE Ozone Nonattainment Area; and

**Direct $PM_{2.5}$ and precursor $NO_x$ meeting the 2006 24-Hour and 2012 Annual $PM_{2.5}$ NAAQS requirements in:**

- the DVRPC portion of the Philadelphia–Wilmington, PA–NJ–DE 24-Hour $PM_{2.5}$ Maintenance Area,
- the DVRPC portion of the New York–Northern New Jersey–Long Island, NY–NJ–CT 24-Hour $PM_{2.5}$ Maintenance Area, and
- the Delaware County, PA Annual $PM_{2.5}$ Maintenance Area.

This summary serves as an inclusive document that demonstrates the transportation conformity of the Draft DVRPC Long-Range Plan, Draft TIP for New Jersey, and TIP for Pennsylvania with all applicable SIPs and NAAQS requirements for the above pollutants within the noted areas.

## Analysis Approach

### Regional Emissions Analysis of LRP and TIP Projects

The federal Final Conformity Rule (Final Rule) requires that all regionally significant and nonexempt projects that are funded in the Long-Range Plan and TIP be included in the regional transportation conformity analysis. Areas designated as nonattainment or maintenance areas must conduct a regional emissions analysis to demonstrate conformity. Emissions analysis is conducted by including all existing and planned, regionally significant and non-exempt projects from the LRP and TIP in the regional Travel Demand Model (TDM). Emissions from those modeled projects are then quantified using the latest U.S. Environmental Protection Agency (U.S. EPA) approved emissions modeling system, in this case the Motor Vehicle Emissions Simulator version 5 (MOVES 5).

Areas that have demonstrated maintenance of the NAAQS for ten years are eligible for a limited maintenance plan. Once that plan is approved by U.S. EPA, emissions analyses are no longer required to demonstrate transportation conformity for that NAAQS. The U.S. EPA approved limited maintenance plans for $PM_{2.5}$ in New Jersey in March 2024. All other conformity requirements still apply to the $PM_{2.5}$ NAAQS in New Jersey.

### Conformity Test

Modeled emissions results from the projects in the LRP and TIPs are then compared to Motor Vehicle Emissions Budgets (MVEBs) contained in the SIPs to meet the NAAQS. When modeled emissions are less than the SIP budgets, the transportation conformity requirements have been met. This process is referred to as the "budget test."

New Jersey and Pennsylvania have approved SIP MVEBs for the 1997 Eight-Hour Ozone Standard. Pennsylvania has approved budgets for the 2006 24-Hour $PM_{2.5}$ standards, and 2012 Annual $PM_{2.5}$ standards. Future SIP revisions may make the emissions budgets stricter or establish additional budgets for future years. Figures 5 and 6 provide examples of emissions budgets becoming stricter over time. Emissions budgets are used to demonstrate conformity for all of the current NAAQs requirements.

### Analysis Years

When performing the budget test, DVRPC identifies a series of analysis years. Analysis years are benchmarks for the projects that are included in the TDM and emissions analysis. All projects that are expected to be open to traffic by the beginning of that analysis year are included in that year's emissions analysis. The Final Rule includes guidance on the selection of analysis years. Analysis years must include SIP budget years, NAAQS attainment dates, the final year of the LRP, and interim analysis years that are no more than 10 years apart extending out to the horizon year of the LRP.

MVEBs are established in each state's SIP for specific years. The MVEBs set the emissions limits moving forward. For example, the 2025 $PM_{2.5}$ SIP budgets in Pennsylvania establish emissions limits for all projects that are open to traffic after 2025 and until such time as a new SIP budget is approved by the U.S. EPA.

To demonstrate conformity for the ozone NAAQS, projected VOC and $NO_x$ emissions in all analysis years must be below the SIP MVEBs for the given analysis years. VOCs and $NO_x$, which are heat-sensitive ozone precursors, are estimated for a typical summer week workday.

To demonstrate conformity for the $PM_{2.5}$ NAAQS, emissions are estimated for direct $PM_{2.5}$ and the $PM_{2.5}$ precursor chemical $NO_x$. The SIP budgets for $PM_{2.5}$ are expressed in terms of annual emissions; therefore, conformity analyses are conducted for annual $PM_{2.5}$ emissions.

In the DVRPC region, the analysis years are 2026, 2030, 2040, and 2050.

Table 1. identifies the mobile source emissions analysis years for this conformity demonstration.

**Table 1:** Mobile Source Analysis Years

| Year | Ozone | $PM_{2.5}$ (PA only) | Note |
|---|---|---|---|
| **2026** | √ | √ | **2015 Ozone Attainment Year** |
| **2030** | √ | √ | **PM2.5 SIP budget year and interim year** |
| **2040** | √ | √ | **Year within 10 years of previous analysis** |
| **2050** | √ | √ | **DVRPC Long-Range Plan horizon year** |

*Source: DVRPC, 2025*

## Findings

The DVRPC LRP and TIPs are found to be in conformity with the current New Jersey and Pennsylvania SIPs under the CAA. The forecasted emissions levels of VOCs, $NO_x$, and $PM_{2.5}$ do not exceed the respective budgets established by the states' departments of environmental protection (DEPs) in accordance with the Final Rule under the current NAAQS governing applicable pollutants.

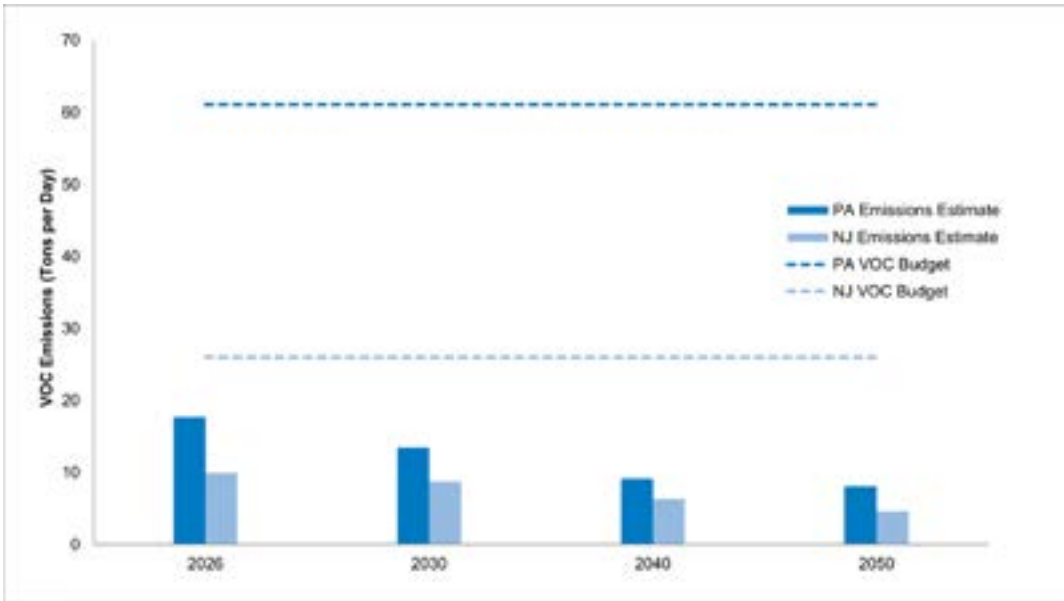
**The transportation conformity analysis meets all applicable conformity criteria, including, but not limited to, the following:**

- that the LRP and the TIPs are fiscally constrained [40 CFR 93.108];
- that this determination is based on the latest planning assumptions [40 CFR 93.110];
- that this determination is based on the latest emissions estimation model available [40 CFR 93.111];
- that DVRPC has made the determination according to the applicable consultation procedures [40 CFR 93.112];
- that the LRP and the TIPs do not interfere with the timely implementation of transportation control measures (TCMs)[1] [40 CFR 93.113]; and
- that the LRP and the TIPs are consistent with the MVEBs in the applicable SIPs [40 CFR 93.118].

Figures 1 through 6 detail the emissions analysis results for transportation projects included in the LRP and TIPs for New Jersey and Pennsylvania. The data for these figures is detailed beginning on page 25 of the full conformity document. These estimates of emissions results confirm that the transportation projects in the LRP and TIP conform to the respective SIP and Final Rule conformity requirements.

[1]TCMs are strategies that reduce transportation-related air pollution and fuel use by reducing vehicle miles traveled and improving roadway operations.

**Figure 1:** VOCs Emissions Analysis Results (Tons/Day) for the DVRPC Region

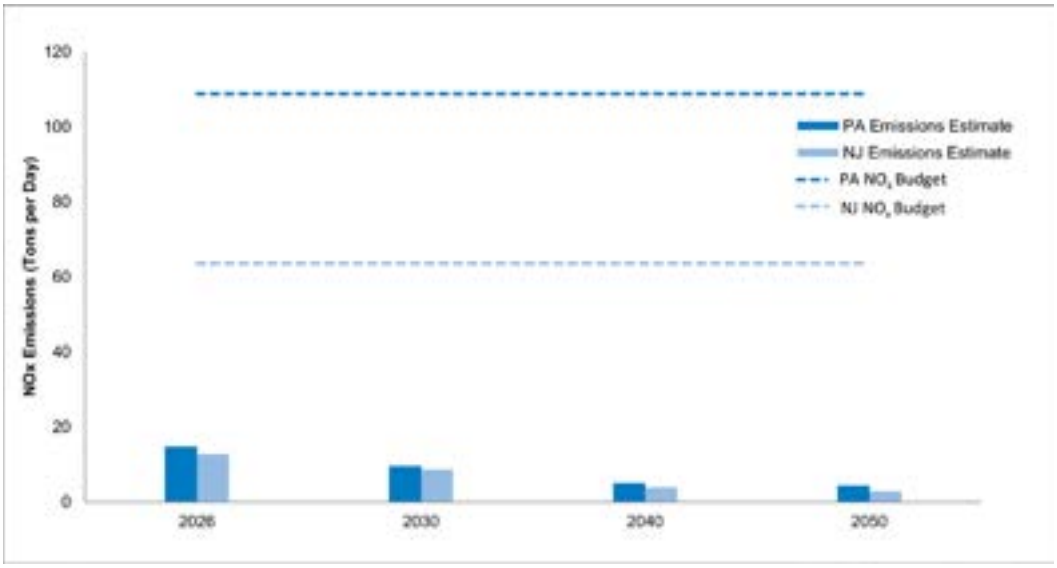



*The recent Eight-Hour Ozone SIP MVEBs apply to all future analysis years.*

*Source: DVRPC, 2025*

The current VOC emissions in the Pennsylvania subregion are estimated at 17.71 tons per day and are projected to decline to 8.08 tons per day by 2050. This is well below the SIP budget of 61.09 tons per day. In the New Jersey subregion emissions are estimated at 9.93 tons per day and are projected to decline to 4.59 tons per day by 2050. This is well below the SIP budget of 25.98 tons per day.

**Figure 2:** NOx Emissions Analysis Results (Tons/Day) for the DVRPC Region

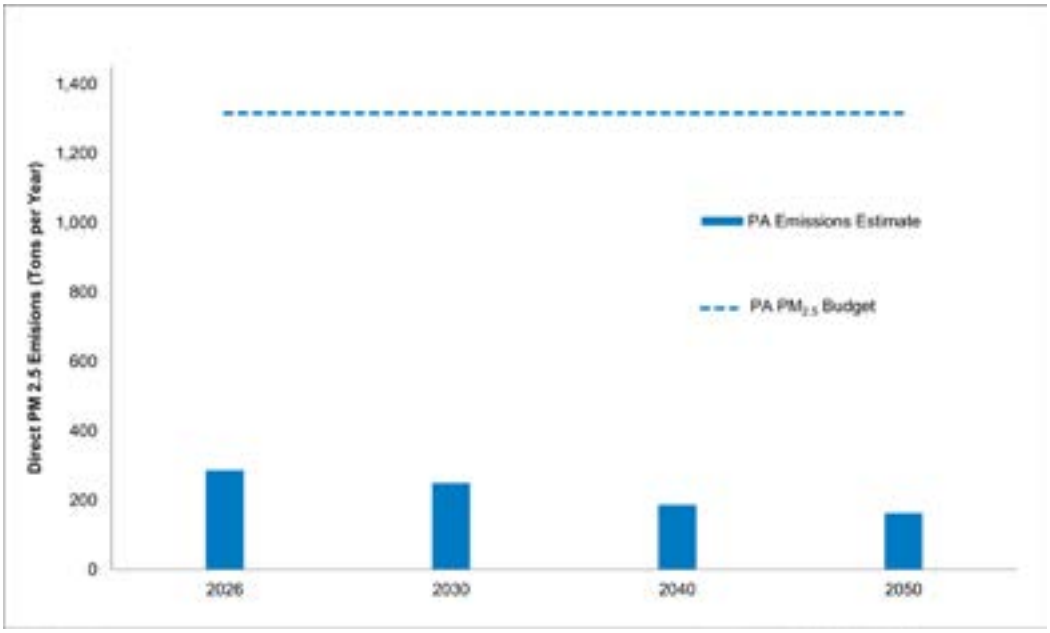



*The most recent Eight-Hour Ozone SIP MVEBs apply to all future analysis years.*

*Source: DVRPC, 2025*

The current $NO_x$ emissions in the Pennsylvania subregion are estimated at 14.79 tons per day and are projected to decline to 4.37 tons per day by 2050. This is well below the SIP budget of 108.78 tons per day. In the New Jersey subregion emissions are estimated at 12.80 tons per day and are projected to decline to 2.84 tons per day by 2050. This is well below the SIP budget of 63.66 tons per day.

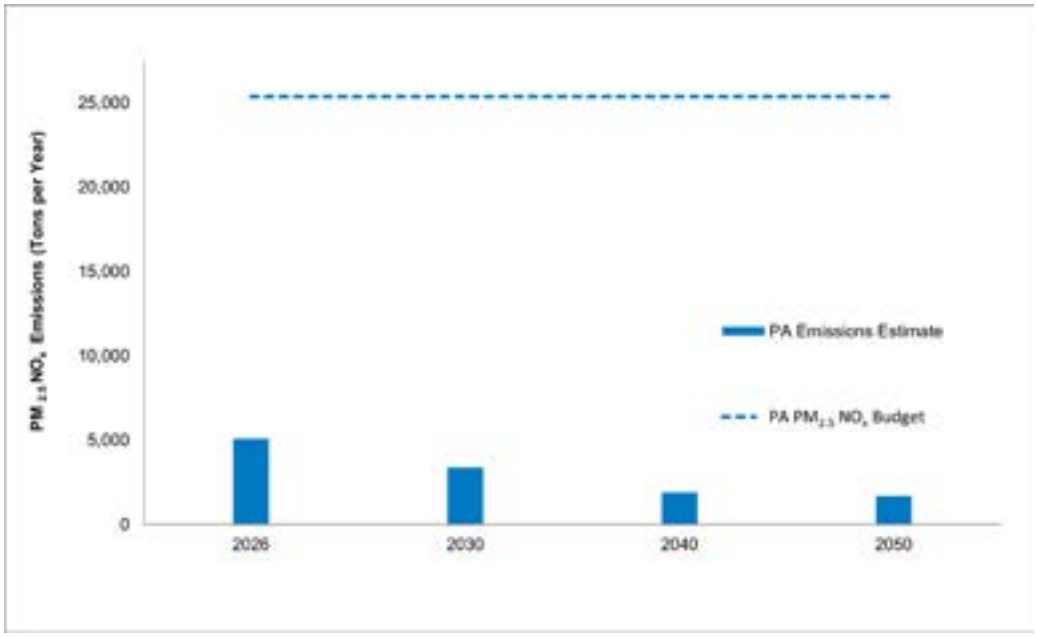
**Figure 3:** 24-Hour Direct $PM_{2.5}$ Emissions Analysis Results (Tons/Year) for the DVRPC Region




*The most recent MVEBs apply to all future analysis years.*
*Source: DVRPC, 2025*

The current Direct $PM_{2.5}$ emissions in the Pennsylvania subregion are estimated at 340 tons per year and are projected to decline to 194 tons per year by 2050. This is well below the SIP budget of 1,316 tons per year.

**Figure 4:** 24-Hour $NO_x$ Precursor Emissions Analysis Results (Tons/Year) for the DVRPC Region

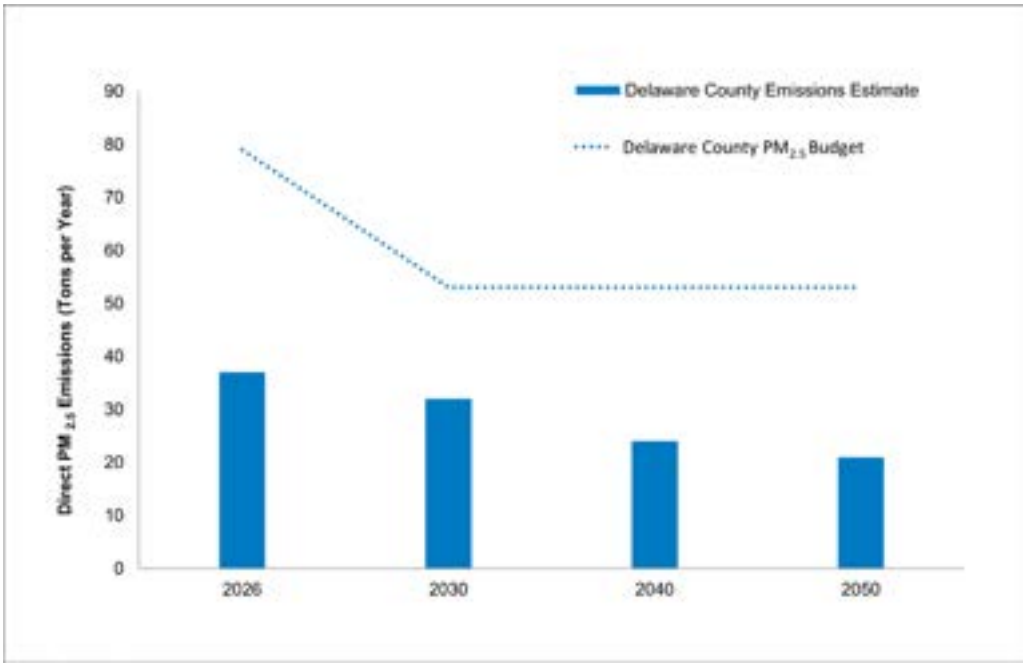



*The most recent MVEBs apply to all future analysis years.*

*Source: DVRPC, 2025*

The current Precursor $NO_x$ $PM_{2.5}$ emissions in the Pennsylvania subregion are estimated at 7,160 tons per year and are projected to decline to 2,284 tons per year by 2050. This is well below the SIP budget of 25,361 tons per year.

**Figure 5:** Delaware County Annual Direct $PM_{2.5}$ Emissions Analysis Results (Tons/Year) for Delaware County, Pennsylvania

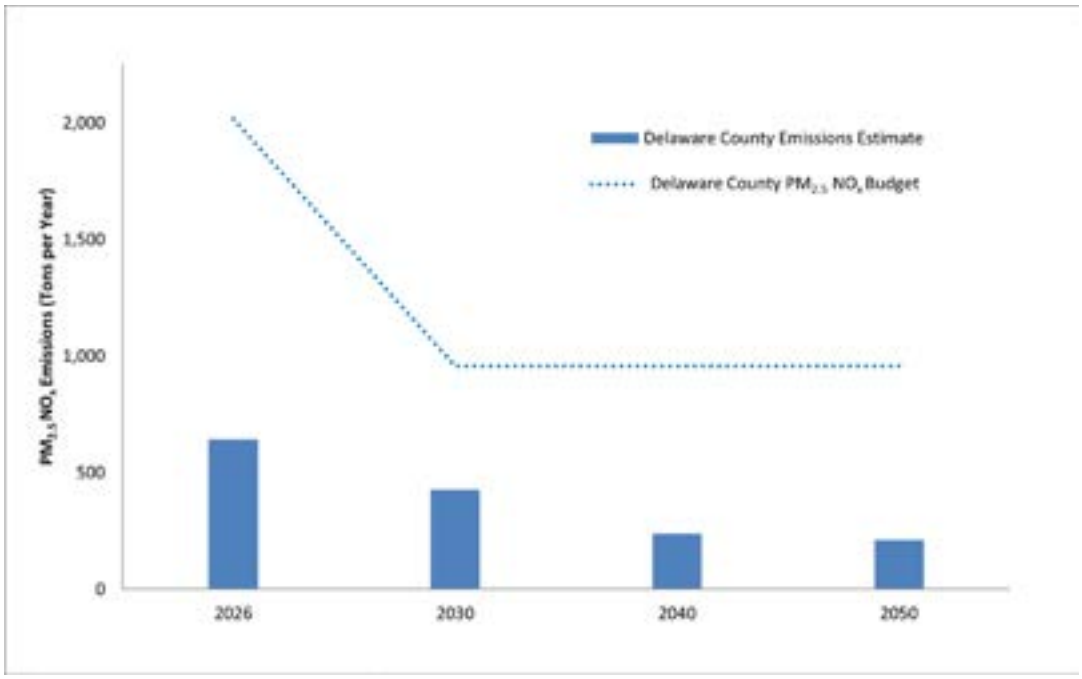



*The most recent MVEBs apply to all future analysis years.*

*Source: DVRPC, 2025*

The current Direct $PM_{2.5}$ emissions in the Delaware County, Pennsylvania subregion are estimated at 37 tons per year and are projected to decline to 21 tons per year by 2050. This is well below the SIP budget of 79 tons per year.

**Figure 6:** Delaware County Annual $NO_x$ Precursor Emissions Analysis Results (Tons/Year) for Delaware County, Pennsylvania




*The most recent MVEBs apply to all future analysis years.*

*Source: DVRPC, 2025*

The current Precursor $NO_x$ $PM_{2.5}$ emissions in the Pennsylvania subregion are estimated at 643 tons per year and are projected to decline to 211 tons per year by 2050. This is well below the SIP budget of 2,016 tons per year.

These findings demonstrate transportation conformity of the DVRPC Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania with the state SIPs and the Final Rule requirements under CAA, including:

- the 1997, 2008, and 2015 Eight-Hour Ozone NAAQS in the Philadelphia–Wilmington–Atlantic City, PA–NJ–MD–DE Ozone Nonattainment Area;
- the 2006 24-Hour $PM_{2.5}$ NAAQS in the Philadelphia–Wilmington, PA–NJ–DE $PM_{2.5}$ Maintenance Area;
- the 2006 24-Hour $PM_{2.5}$ NAAQS in the New York–Northern New Jersey–Long Island, NY–NJ–CT Annual and 24-Hour $PM_{2.5}$ Maintenance Area, and
- the 2012 Annual $PM_{2.5}$ Delaware County, PA Maintenance Area.

# CHAPTER 1: Introduction

## Overview

This report demonstrates that DVRPC's Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania conform with the relevant state SIPs and applicable NAAQS requirements under the CAA, as amended.

Specifically, transportation conformity is demonstrated for the following NAAQS and designation areas:

**VOCs and $NO_x$ meeting the 1997, 2008, and 2015 Eight-Hour Ozone NAAQS requirements in:**

- the DVRPC portion of the Philadelphia–Wilmington–Atlantic City, PA–NJ–MD–DE Ozone Nonattainment Area; and

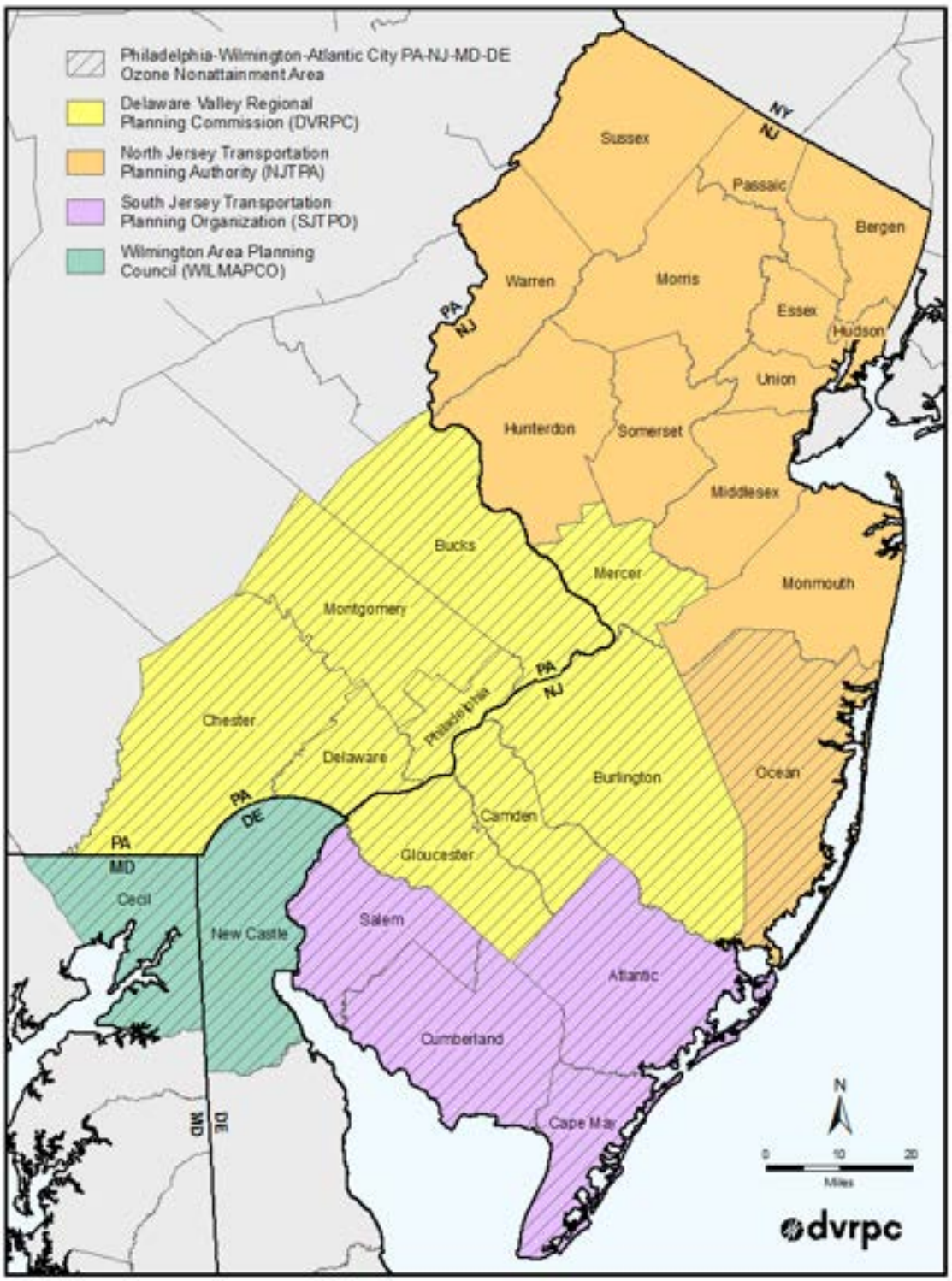
**Direct $PM_{2.5}$ and precursor $NO_x$ meeting the 2006 24-Hour and 2012 Annual $PM_{2.5}$ NAAQS requirements in:**

- the DVRPC portions of the Philadelphia–Wilmington, PA–NJ–DE 24-Hour $PM_{2.5}$ Maintenance Area,
- the DVRPC portion of the New York–Northern New Jersey–Long Island, (NY–NJ–CT) 24-Hour $PM_{2.5}$ Maintenance Area; and
- the Delaware County, PA Annual $PM_{2.5}$ Maintenance Area.

In July 2013, the U.S. EPA revoked the 1997 Ozone Standard with the publication of the Implementation Rule for the 2008 Ozone Standard. In February 2018, the District of Columbia Court of Appeals ruled in the case of *South Coast Air Quality Management District v. EPA* that the implementation of this revocation of the standard violated the CAA. Subsequent court rulings and U.S. EPA guidance declared that states with SIP budgets whose 1997 Ozone Nonattainment Areas are contained within the 2008 Ozone Nonattainment Areas meet the 1997 conformity requirements by demonstrating conformity to the 2008 standard.

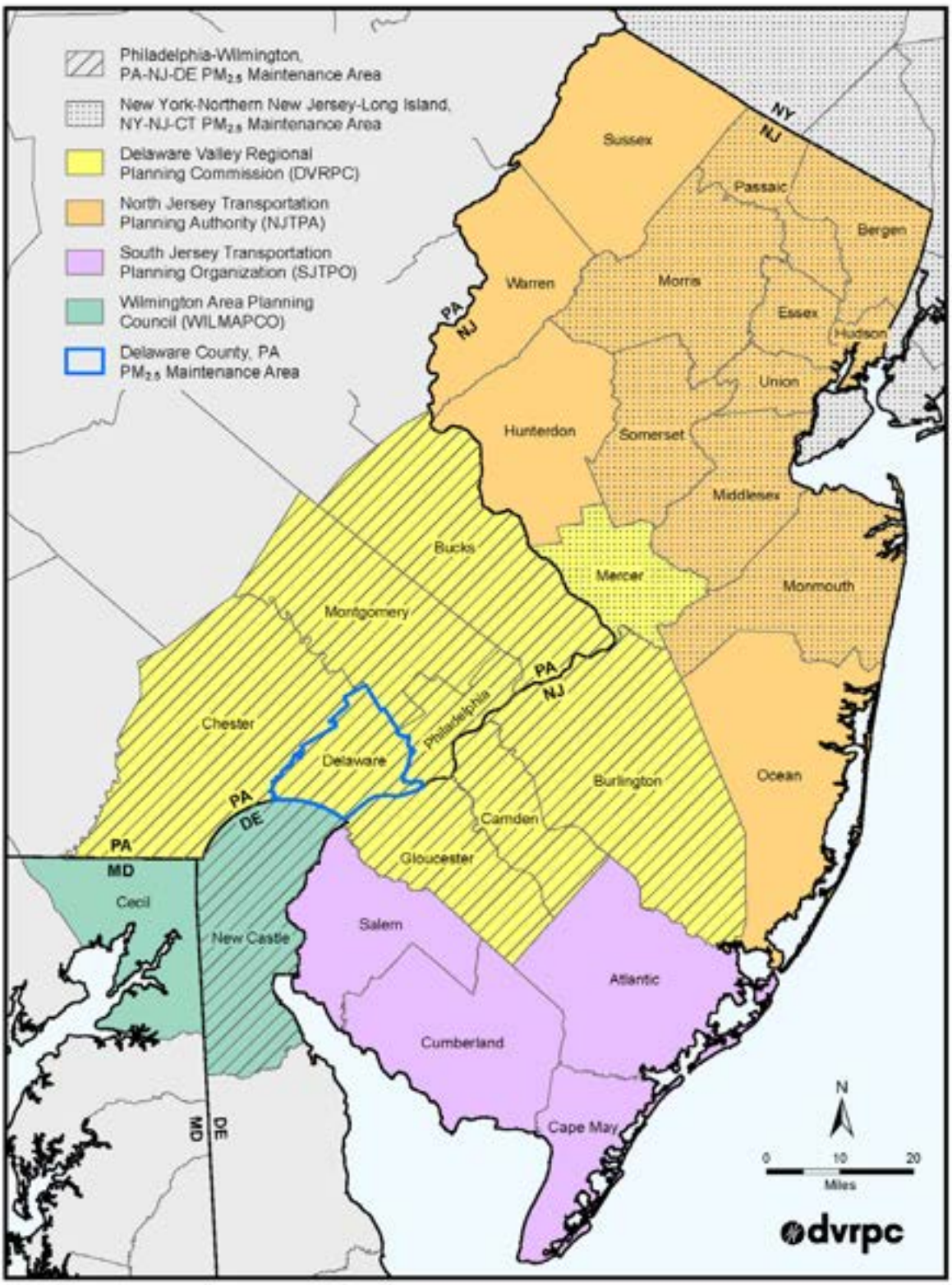
The Philadelphia Ozone Nonattainment Area encompasses the entire DVRPC region, the entire South Jersey Planning Organization (SJTPO) area, the entire Wilmington Area Planning Council (WILMPACO) region, and Ocean County, New Jersey. The Philadelphia $PM_{2.5}$ Maintenance Area covers eight counties in the DVRPC region, the entire SJTPO area, and New Castle County, Delaware (part of the WILMAPCO area).Mercer County, in the DVRPC region, is part of the New York – Northern New Jersey $PM_{2.5}$ Maintenance Area and Delaware County, Pennsylvania is a stand alone Maintenance Area for the 2012 Annual $PM_{2.5}$ Standard. Figures 7 and 8 detail the current ozone and $PM_{2.5}$ nonattainment and maintenance areas that are relevant to the DVRPC region.

**Figure 7:** Philadelphia–Wilmington–Atlantic City PA–NJ–MD–DE Eight-Hour Ozone Nonattainment Area




*Source: DVRPC, 2025*

**Figure 8:** DVRPC Annual and 24-Hour $PM_{2.5}$ Maintenance Areas




*Source: DVRPC, 2025*

## NAAQS

The CAA, first enacted in 1963 and last amended in 1990, requires that the U.S. EPA set national air quality standards for air pollutants that are considered harmful to public health and the environment. The CAA also requires the agency to periodically review the standards and to update those standards as necessary to provide an ample margin of safety to protect public health and welfare.

The U.S. EPA has set NAAQS for several principal air pollutants, referred to as criteria pollutants. The NAAQS criteria pollutants include ozone, carbon monoxide, coarse and fine particulate matter ($PM_{10}$ and $PM_{2.5}$, respectively), sulfur dioxide, nitrogen dioxide, and lead.

The DVRPC region must demonstrate transportation conformity for ozone and $PM_{2.5}$. Table 2 lists the current NAAQS for ozone and $PM_{2.5}$ and the date of adoption by the U.S. EPA. In May 2024, the U.S. EPA finalized the update to the annual $PM_{2.5}$ standard. Nonattainment designations for this standard are pending and DVRPC will continue to demonstrate conformity to the 2006 and 2012 standards as required.

**Table 2:** Current NAAQs

| NAAQS | Standard | Date Adopted | Final NAA Designations | FR Notice |
|---|---|---|---|---|
| **Ozone (2015)** | **70 ppb** | **October 2015** | **June 2018** | **80 FR 65292** |
| **Annual $PM_{2.5}$ (2012)** | **12 µg/m$^3$** | **December 2012** | **April 2015** | **78 FR 3086** |
| **Annual $PM_{2.5}$ (2024)** | **9 µg/m$^3$** | **May 2024** | **Pending** | **89 FR 16202** |
| **24-Hour $PM_{2.5}$ (2006)** | **35 µg/m$^3$** | **October 2006** | **December 2009** | **71 FR 61144** |

*Source: U.S. EPA, 2025*

*Note: NAA = Nonattainment Area; FR = Federal Register.*

When a region is designated as a nonattainment area by the U.S. EPA, states are required to develop SIPs that outline how the state plans to meet or "attain" the NAAQS. Implemented SIPs contain an MVEB. Regional emissions estimates are compared against these budgets to determine progress toward meeting air quality goals.

The nonattainment areas for each of the criteria pollutants can be viewed at: www.epa.gov/green-book. Detailed information on the SIPs can be viewed at: www.epa.gov/air-quality-implementation-plans/sip-status-reports.

## Public Health Impacts

**Ozone** is a photochemical oxidant and a major component of smog. Ozone is not emitted directly into the air but is formed through complex chemical reactions between precursor emissions of VOCs and $NO_x$ in the presence of sunlight. Although ozone in the upper atmosphere shields and protects the Earth from harmful radiation from the sun, high concentrations of ozone at ground level are a serious health and environmental concern. Even at low levels, ozone can damage lung tissue, reduce lung function, and sensitize the respiratory system to other irritants. Additionally, scientific evidence has indicated that ambient levels of ozone not only affect people with pulmonary conditions, such as asthma, but also normal, healthy adults and children.

**Particulate Matter (PM)** includes both solid particles and liquid droplets found in air. Many man-made and natural sources emit PM directly or emit other pollutants that react in the atmosphere to form PM. These solid and liquid particles come in a wide range of sizes. The coarse particles, less than 10 micrometers (µm) in diameter ($PM_{10}$), pose a health concern since they can be inhaled into and accumulate in the respiratory system. The fine particles, less than 2.5 µm in diameter ($PM_{2.5}$), are believed to pose even greater health risks. Due to their small size, these fine particles can lodge deep in the lungs. Individuals particularly sensitive to $PM_{2.5}$ exposure include older adults, people with heart and lung disease, and children. Health studies have shown a significant association between exposure to $PM_{2.5}$ and premature mortality.

$PM_{2.5}$ can be emitted directly from combustion engines or chemically formed in the atmosphere when certain gases are present. Direct $PM_{2.5}$ emissions can result from particles in exhaust fumes, from brake and tire wear, from road dust kicked up by vehicles (called fugitive road dust), and from highway and transit construction. Indirect $PM_{2.5}$ emissions can result from one or more of several exhaust components, including VOCs, $NO_x$, sulfur oxides ($SO_x$), and ammonia ($NH_3$).

## Transportation Conformity

The CAA section 176(c) (42 US Code [U.S.C.] 7506(c)) requires that federally funded highway and transit project activities “conform to” state air quality goals found in SIPs. This process ensures that transportation and air quality agencies consult with one another to look for strategies to relieve traffic congestion, improve air quality, and provide communities with a safe and efficient transportation system.

The transportation conformity process is required in areas that have been designated by the U.S. EPA as nonattainment or maintenance areas (see Figures 7 and 8 on pages 10 and 11). A transportation conformity demonstration is required at least once every four years; or when an MPO adopts a new LRP or TIP; adds or deletes a regionally significant, nonexempt project in a LRP or TIP, or when an MPO significantly amends the scope or timing of construction of a nonexempt project.

Transportation conformity is demonstrated when federally funded highway and transit activities are determined not to cause new air quality violations, worsen existing violations, or delay timely attainment of the NAAQS. The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) jointly make conformity determinations within air quality nonattainment and maintenance areas to ensure that federal actions are consistent with corresponding SIPs. The U.S. Department of Transportation cannot fund, authorize, or approve federal actions to support programs or projects that are not found to conform to the CAA requirements governing the current NAAQS for transportation conformity.

This conformity demonstration is based on the current Final Rule under the CAA, including 40 CFR Part 93, as revised. The Final Rule dictates that conformity findings within the DVRPC planning area must be based on the applicable SIP budgets in all target analysis years. The demonstration process estimates emissions that will result from the region's transportation system and determines whether those emissions are within the limits outlined in respective SIPs and other applicable NAAQS requirements.

In multi-state nonattainment and maintenance areas that have SIP MVEBs for each state's portion of the nonattainment or maintenance area, conformity can be demonstrated for each state's subregion of the area. For example, because DVRPC's Pennsylvania counties have SIP MVEBs, DVRPC can demonstrate conformity for the Pennsylvania portion of the Philadelphia Ozone Nonattainment Area separately from the rest of the nonattainment area in New Jersey, Delaware, and Maryland.

# CHAPTER 2: Conformity Demonstration Overview

## DVRPC LRP and TIP

The Draft *Update: Connections 2050* Long-Range Plan provides a broad planning framework for the region. The transportation component of the LRP includes a comprehensive long-range transportation plan for the DVRPC region. The Draft *Update: Connections 2050* Long-Range Plan includes over $78.4 billion from traditional sources for regional transportation improvements. The fiscally constrained LRP prioritizes transportation funding for rebuilding the region's infrastructure but also includes new major regional transportation projects. The LRP also sets a vision and goals for the region's orderly growth and development and identifies a set of strategies to help achieve the vision.

There are three categories of projects in the Plan and TIP:

**Regionally Significant Project:** a nonexempt highway or transit project on a facility that, regardless of its length, serves regional needs and is normally included in the regional travel demand model.

**Exempt Project:** a project listed in Table 2 or Table 3 of the Final Rule (40 CFR 93) that primarily enhances safety or aesthetics, maintains mass transit, continues current levels of ridesharing, or builds bicycle and pedestrian facilities.

**Not Regionally Significant Project/Nonexempt:** a nonexempt highway or transit project on a facility that does not serve regional needs or is not normally included in the regional travel simulation model and does not fit into an exempt project category in Table 2 or Table 3 of the Final Rule (40 CFR 93).

The LRP's financial component reflects current and projected federal authorization levels. Estimated costs for LRP projects have been adjusted to account for inflation and to reflect the year of expenditure, as required by the FHWA/FTA Final Rule on Statewide and Metropolitan Transportation Planning and Programming.[2]

The New Jersey and Pennsylvania TIPs are staged, multiyear, intermodal programs of transportation projects covering the nine counties in the DVRPC planning area. The DVRPC TIPs are consistent with the LRP and are developed, pursuant to 23 CFR Part 450, to meet the federal requirement of being financially constrained to a funding level that is available to the region as established in the financial guidance provided by the respective states. All LRP and TIP project descriptions have been reviewed and approved by DVRPC's Transportation Conformity Interagency Consultation Group (TCICG) for appropriate Air Quality (AQ) code and analysis years. The Appendix in this document lists all air quality significant projects in the LRP and TIPs, along with their designated AQ code and analysis years.

The CAA requires that, in nonattainment or maintenance areas, all regionally significant and nonexempt projects included in a LRP or TIP on facilities classified as principal arterials or higher—that is, those that can impact regional air quality—meet the conformity requirements established in the Final Rule. DVRPC must identify these projects and, where required, conduct an emissions analysis in order to demonstrate that projects included in the LRP or TIP do

[2] See 23 CFR 450.216(1), 23CFR 450.322(f) (10) (iv), and 23 CFR 450.23(h).

not worsen air quality or inhibit the region's progress toward meeting the NAAQS.

The project set, analyzed for conformity, includes the existing transportation network, all regionally significant projects funded in the LRP,[3] those in the current TIPs, and those that have been introduced in previous TIPs but are not yet completed. Each project is classified by the first year that the project is included in the regional emissions analysis, also known as the analysis year. The emissions estimate for a particular analysis year include all of the projects that are expected to be open to traffic by that year.

### DVRPC AQ Code

DVRPC has developed an AQ coding scheme to identify projects that are included in the emissions analysis and the project's analysis year. The coding scheme is also used to identify which projects are exempt from the emissions analysis. All regionally significant, nonexempt projects are assigned a five-character alphanumeric AQ code that begins with a four-digit analysis year followed by the letter "M" to indicate that it was included in the TDM. For instance, a LRP or TIP project may have an AQ code of 2026M, in which case the project is identified as a regionally significant, nonexempt project, the emissions estimates of which are (1) included in the 2026 and all subsequent future analysis years, and (2) performed using the TDM network analysis technique.

DVRPC has also developed an internal coding scheme to identify each exempt project type based on those defined in the Final Rule. Table 3 shows the exempt project categories in the Final Rule and their corresponding DVRPC AQ codes. In cases in which multiple codes can apply to a project, the most representative code is assigned. The AQ code for each project is shown in the respective LRP and TIP documents.

Projects that have been determined to be not regionally significant as defined in the Final Rule, and do not fit into an exempt category, are labeled as "NRS." The TCICG has reviewed all projects and concurred on all assigned AQ codes in the LRP and the TIP.

[3] The Draft *Update: Connections 2050* Plan also includes a list of unfunded aspirational projects that are consistent with the Plan's vision, but can be not funded within fiscal constraint. As a result, these projects are not included in the Conformity analysis.

**Table 3:** AQ Codes for Exempt and Not Regionally Significant Projects in the LRP and TIPs

| | Exempt Project Category† | AQ Code |
|---|---|---|
| Safety Projects | Railroad/highway crossing | S1 |
| | Hazard elimination program | S2 |
| | Safer non-federal-aid system roads | S3 |
| | Shoulder improvements | S4 |
| | Increasing sight distance | S5 |
| | Safety improvement program | S6 |
| | Traffic control device and operating assistance other than signalization projects | S7 |
| | Railroad/highway crossing warning devices | S8 |
| | Guardrails, median barriers, crash cushions | S9 |
| | Pavement resurfacing and/or rehabilitation | S10 |
| | Pavement marking demonstration | S11 |
| | Emergency relief (23 U.S.C. 125) | S12 |
| | Fencing | S13 |
| | Skid treatments | S14 |
| | Safety roadside rest areas | S15 |
| | Adding medians | S16 |
| | Truck-climbing lanes outside the urbanized area | S17 |
| | Lighting improvements | S18 |
| | Widening narrow pavements or reconstructing bridges (no additional travel lanes) | S19 |
| | Emergency truck pullovers | S20 |
| Mass Transit Projects | Operating assistance to transit agencies | M1 |
| | Purchase of support vehicles | M2 |
| | Rehabilitation of transit vehicles | M3 |
| | Purchase of office, shop, and operating equipment for existing facilities | M4 |
| | Purchase of operating equipment for vehicles (e.g., radios, fare boxes, lifts, etc.) | M5 |
| | Construction or renovation of power, signal, and communications systems | M6 |
| | Construction of small passenger shelters and information kiosks | M7 |
| | Reconstruction or renovation of transit buildings and structures | M8 |
| | Rehabilitation or reconstruction of track structures, track, and tracked-in existing rights-of-way | M9 |
| | Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet | M10 |
| | Construction of new bus or rail storage/maintenance facilities categorically excluded in 23 CFR part 771 | M11 |
| Air Quality Projects | Continuation of ridesharing and vanpooling promotion activities at current levels | A1 |
| | Bicycle and pedestrian facilities | A2 |
| Other Projects | Specific activities that do not involve or lead directly to construction, such as planning and technical studies | X1 |
| | Grants for training and research programs | X2 |
| | Planning activities conducted pursuant to title 23 and 49 U.S.C. | X3 |
| | Federal aid systems revisions | X4 |
| | Engineering to assess social, economic, and environmental effects of the proposed action or alternatives to that action | X5 |
| | Noise attenuation | X6 |
| | Advance land acquisitions (23 CFR 712 or 23 CFR 771) | X7 |
| | Acquisition of scenic easements | X8 |
| | Plantings, landscaping, etc. | X9 |
| | Sign removal | X10 |
| | Directional and informational signs | X11 |
| | Transportation enhancement activities (except rehabilitation and operation of historic transportation buildings, structures, or facilities) | X12 |
| | Repair of damage caused by natural disasters, civil unrest, or terrorist acts, except projects involving substantial functional, locational, or capacity changes | X13 |
| No Regional Emissions Analysis Required | Intersection channelization projects | R1 |
| | Intersection signalization projects at individual intersections | R2 |
| | Interchange reconfiguration projects | R3 |
| | Changes in vertical and horizontal alignment | R4 |
| | Truck size and weight inspection stations | R5 |
| | Bus terminals and transfer points | R6 |
| Not Regionally Significant | Projects determined to be "Not Regionally Significant" and do not fit into an exempt category | NRS |

*Source: DVRPC, 2025*

†40 CFR 93 Sections 126 and 127.

### Analysis Year

Required analysis years include SIP budget years, designated NAAQS attainment dates, and the LRP horizon year. All other analysis years must be no more than 10 years apart.

The analysis years for this conformity demonstration are listed in Table 4. The years 2026 (Ozone attainment year), 2030 ($PM_{2.5}$ SIP budget year for Delaware County only), and 2050 (the LRP horizon year) are required analysis years, and 2030 and 2040 are interim years within 10 years of the previous analysis.

**Table 4:** Mobile Source Analysis Years

| Year | Ozone | $PM_{2.5}$ | Note |
|---|---|---|---|
| **2026** | √ | √ | **Ozone attainment year** |
| **2030** | √ | √ | **PM2.5 SIP budget year (Delaware County only and interim year)** |
| **2040** | √ | √ | **Year within 10 years of previous analysis** |
| **2050** | √ | √ | **Horizon year of the LRP** |

*Source: DVRPC, 2025*

Table 5 describes the project sets that are considered in each future-year analysis.

**Table 5:** Projects Included in the Regional Emissions Analysis

| Analysis Year | Project Set |
|---|---|
| 2026 (TIP year and PM2.5 SIP budget year) | **All regionally significant highway and transit facilities, services, and activities currently in place and Additional highway and transit projects that are scheduled to open prior to 2026** |
| 2030 (SIP budget year) for Delaware County, PA only and interim year | **All regionally significant highway and transit projects in the 2026 model network and Additional highway and transit projects that are scheduled to open from 2026 to 2029** |
| 2040 (interim year) | **All regionally significant highway and transit projects in the 2030 model network and Additional highway and transit projects that are scheduled to open from 2030 to 2039** |
| 2050 (DVRPC LRP horizon year) | **All regionally significant highway and transit projects in the 2040 model network and Additional highway and transit projects that are scheduled to open from 2040 to 2049** |

*Source: DVRPC, 2025*

## Emissions Analysis

Once the regionally significant and nonexempt projects in the LRP and TIP are identified and analysis years are assigned, regional emissions estimates are developed through a series of models that simulate travel demand in the region and then convert those travel characteristics into estimates of emissions of the pollutants of concern.

LRP and TIP projects are coded into the DVRPC TDM (Travel Improvement Model version 2.5.1). The TDM represents the regional transportation network and uses inputs like population, employment, and land use data to develop estimates for trip length, vehicle miles traveled (VMT), and traffic volumes on the

transportation network. The model includes the base transportation network of roads and transit projects that have been constructed, and new networks are built to include projects from the LRP and TIP according to the projects' analysis years.

Outputs of the TDM are then processed and entered into the emissions estimation model, MOVES 5. The MOVES model will then take the TDM outputs, information on meteorology, fuel information, data on vehicle types and vehicle populations, and other critical inputs to develop projected emissions estimates for a given analysis year and pollutant, which is then compared against the SIP MVEB to demonstrate conformity.

### Latest Planning Assumptions

The Final Rule requires that the most current available planning assumptions be used in determining transportation conformity. In addition to the LRP and TIP projects that are included in the conformity analysis, planning assumptions are critical inputs to the TDM. These include population and employment estimates, transit and toll road pricing, land use assumptions, VMT, travel time of day patterns, transit ridership, and vehicle fleet mix and age.

Planning assumptions are updated following U.S. EPA and FHWA joint guidance (EPA420-B-08-901) that clarifies the implementation of the latest planning assumption requirements in 40 CFR 93.110. This analysis utilizes the best available latest traffic, vehicle fleet, and environmental data to estimate regional highway emissions.

In New Jersey, the New Jersey Department of Transportation (NJ DOT) updates many of the planning assumptions to meet the transportation conformity requirements. For this conformity determination, NJ DOT has updated vehicle age distribution assumptions using 2023 vehicle registration data provided by the New Jersey Department of Motor Vehicles. VMT were also adjusted to the latest available Highway Performance Monitoring System (HPMS) factors, which are from 2023.

In Pennsylvania, the Pennsylvania Department of Transportation (PennDOT) updates the key planning assumptions on a triennial basis to support the U.S. EPA's National Emissions Inventory and FHWA's latest planning assumption requirements for transportation conformity. The PennDOT triennial data update is used to inform the planning assumptions for the future analysis years used for transportation conformity. PennDOT has updated vehicle age distribution assumptions using 2023 vehicle registration data provided by the Pennsylvania Department of Motor Vehicles. VMT were also adjusted to the latest HPMS factors, which are from 2023.

All other data assumptions for the conformity analysis relied on the latest available planning assumptions or national/local defaults consistent with methods used for past conformity analyses and the U.S. EPA's technical guidance. This includes information and characteristics related to fuels, inspection and maintenance program parameters, heavy-truck long duration idling, and environmental data (e.g., temperatures and humidity).

Planning assumptions, as well as the list of LRP and TIP projects, are reviewed and approved by the TCICG before DVRPC begins the regional emissions analysis.

The planning assumptions and project lists used in this demonstration are the latest and most current assumptions available as of June 10, 2025, which serves as the "start of analysis" date for the conformity determination.

### Population and Employment Estimates

The population and employment estimates used in this conformity determination are the latest available at the traffic analysis zone (TAZ) level. DVRPC's 2050 version 2.1 population and employment forecasts were adopted by the DVRPC Board on May 22, 2025. These estimates include forecasts for the LRP horizon year of 2050 and are posted on the DVRPC website under the Quick Links at https://www.dvrpc.org/plan/. This data can also be reviewed upon request.

### Transit and Toll Road Policies

Current transit operations and road toll structure are considered as part of the latest planning assumptions. The transit person trips produced by the modal split component of the DVRPC TDM are considered “linked” in the sense that they do not include any transfers that may have occurred either during transit trips or between auto approaches and transit lines. The transit assignment model simultaneously assigns trip origin and destination to routes in the network. While not capacity constrained, this transit assignment procedure accomplishes two major tasks. First, the transit trips are “unlinked” to include transfers; and second, these “unlinked” transit trips are associated with specific transit facilities to produce link, line, and station volumes.

All fares entering the transit network are “blended” by operating entity. For each operator, different existing fare types (e.g., cash; transfer charge; and daily, weekly, and monthly passes) are blended into a single fare policy based on the percentage of each fare type and use in the 2019 fare structure. Then the future fare for each operator is held constant in current dollars. All current operating plans, ridership, and service levels are built into the transit network and incorporated into the future-year networks. Future-year transit networks are augmented with any new services identified in the corresponding DVRPC LRP and TIPs. Table 6 details all transit operators included in the transit network and their operational assumptions.

Other transportation-related costs, such as automobile operating costs, gasoline costs, parking costs, and road/bridge tolls, are also based on current and available data and are held constant in current dollars into the future analysis years.

Transit and toll policies used in this conformity determination are current as of the start of analysis date (June 10, 2025) and do not reflect potential transit service levels impacted by the FY2026 Pennsylvania State Budget.

**Table 6:** Transit Operation Assumptions

| Transit Companies | Fares | Operating Plan /Service Level |
|---|---|---|
| **SEPTA City Transit Division** | **Specified in the transit network by operator and by analysis year; held constant in year 2019 dollars** | **Specified in the transit network by operator and by analysis year** |
| **SEPTA Suburban Victory Division** | | |
| **SEPTA Suburban Frontier Division** | | |
| **SEPTA Regional Rail Division** | | |
| **NJ Transit Mercer Division** | | |
| **NJ Transit Southern Division** | | |
| **NJ Transit Railroad Division** | | |
| **PATCO High-Speed Line (DRPA)** | | |
| **Pottstown Area Rapid Transit** | | |
| **Krapf's Coaches** | | |

*Source: DVRPC, 2025*

*Note: SEPTA = Southeastern Pennsylvania Transportation Authority; NJ Transit = New Jersey Transit; DRPA = Delaware River Port Authority; PATCO = Port Authority Transit Corporation.*

### Travel Demand Simulation

DVRPC's TDM is a four-step process that ultimately assigns travel patterns among and within TAZs using the built transportation networks, along with the planned highway and transit networks described by the LRP and the TIPs. DVRPC's TDM was validated in 2019 following FHWA guidance and features an expanded geography to improve travel simulation within, through, and across the region. Additional adjustments were made to the model to reflect current conditions using recent HPMS data from NJDOT and PennDOT.

The current model includes a detailed transportation network for the nine-county DVRPC region, and a less detailed network for the 16 counties surrounding the DVRPC region (the "Extended Area"). The current model also includes updated socio-demographic input data (households, population, and employment). The DVRPC TDM meets the federal transportation authorization and planning requirements, as well as requirements included in the CAA and the Final Rule. Travel model output is then run through a postprocessor in preparation for emissions analysis by MOVES 5. The TCICG has reviewed and approved DVRPC's travel demand modeling process.

### Emissions Model

The CAA requires the U.S. EPA to regularly update emissions models. In 2009, the U.S. EPA required that the MOVES model become the official emissions estimation model used for SIP development and transportation conformity determinations. The MOVES family of models estimates on-road mobile emissions based on an operational mode that accounts for different driving patterns and emissions profiles from various vehicle types. Beginning in December 2026, MPOs and state DOTs are required to use the MOVES 5 emissions model to demonstrate transportation conformity. DVRPC used the MOVES 5 model for this determination. For a detailed description of the MOVES model, please visit: www.epa.gov/moves.

## Conformity Tests

The DVRPC region must demonstrate transportation conformity for ozone and $PM_{2.5}$. Governing SIPs are in place for these pollutants in New Jersey and Pennsylvania. DVRPC used the applicable SIP budgets to demonstrate transportation conformity for ozone and $PM_{2.5}$ (in Pennsylvania). The U.S. EPA has approved limited maintenance plans for the $PM_{2.5}$ Maintenance Areas in the New Jersey portions of the DVRPC region and DVRPC is no longer required to perform emissions analysis to demonstrate conformity to the $PM_{2.5}$ standards in Burlington, Camden, Gloucester, or Mercer Counties in New Jersey (89 FR 45658).

The DVRPC region was designated as a marginal nonattainment area for the 2015 Ozone Standard on June 4, 2018. Implementation guidance for this standard was released by the U.S. EPA in December 2018, and this conformity determination was conducted following the 2015 Eight-Hour Ozone NAAQS implementation guidance (83 FR 62988). The Philadelphia Ozone Nonattainment Area (NAA) did not meet the August 2021 designated attainment date for ozone and in November 2022, the U.S. EPA finalized the rule to re-designate the NAA to moderate nonattainment for the 2015 Ozone Standard.

The Philadelphia Ozone NAA subsequently did not meet the August 2024 attainment date for moderate nonattainment and the U.S. EPA has re-designated the area to serious nonattainment. The attainment date for areas designated as serious nonattainment for the 2015 Ozone Standard is August 2027 (89 FR 61025).

This demonstration shows conformity to the 2009 Ozone SIP budget in New Jersey and the 2008 Ozone SIP budget in Pennsylvania. These budgets were approved by the U.S. EPA for conformity purposes in May 2009 (73 FR 41068) and February 2011 (76 FR 6559), respectively. All ozone budgets have been established by the state DEPs using MOBILE 6.2. The regional emissions analysis for ozone was conducted using MOVES 5. Analysis is conducted for ozone emissions for a typical summer work weekday.

The U.S. EPA has approved maintenance plans for the 2006 24-Hour $PM_{2.5}$ standards in Pennsylvania counties in the DVRPC region in April 2015 (80 FR 22112) and the 2012 Annual $PM_{2.5}$ standard in Delaware County in November 2019 (84 FR 51420). Both SIPs contain MVEBs for direct $PM_{2.5}$ and precursor $NO_x$ to be used to demonstrate transportation conformity. All $PM_{2.5}$ MVEBs are expressed in tons of emissions per year for both the annual and 24-hour standards.

The U.S. EPA has ruled that exhaust and brake/tire wear must be included in the regional analysis of direct $PM_{2.5}$ emissions but has also ruled that fugitive road dust does not need to be included in this analysis in the DVRPC region. Thus, the only components of direct $PM_{2.5}$ emissions in this DVRPC conformity iteration are tailpipe exhaust and brake/tire wear.

For the indirect $PM_{2.5}$ emissions (also called $PM_{2.5}$ precursors), the U.S. EPA has identified four potential transportation-related $PM_{2.5}$ precursors: VOCs, $NO_x$, $SO_x$, and $NH_3$. The State DEPs have determined that $NO_x$ is contributing to regional $PM_{2.5}$ formation and therefore must be included in the $PM_{2.5}$ precursor analysis.

Tables 7–9 show the governing MVEBs to be utilized in this iteration of conformity demonstration.

**Table 7:** Ozone Emissions Budgets (Tons/Day)

| Pollutant | Budget† | Pennsylvania Subregion (tons/day) | New Jersey Subregion (tons/day) |
|---|---|---|---|
| **VOCs** | **2008 Budget** | **61.09 (all counties)** | |
| | **2009 Budget** | | **25.98 (all counties)** |
| **NOx** | **2008 Budget** | **108.78 (all counties)** | |
| | **2009 Budget** | | **63.66 (all counties)** |

*Source: DVRPC, 2025*

*†Ozone budgets are reported to the second decimal in accordance with the SIP. SIP budgets for ozone are for a typical July day.*

**Table 8:** Pennsylvania $PM_{2.5}$ Emissions Budgets (Tons/Year)

| Pollutant | Budget† | Pennsylvania Subregion (tons/year) |
|---|---|---|
| **24-Hour Direct $PM_{2.5}$♦** | **2025 Budget (tons per year)** | **1,316** |
| **24-Hour Precursor $NO_x$♦** | | **25,361** |

*Source: DVRPC, 2025*

*†$PM_{2.5}$ budgets are rounded off to the nearest integer in accordance with the SIP.*
*♦SIP budgets for Annual and 24-Hour $PM_{2.5}$ are the same value expressed in tons/year.*

**Table 9:** Delaware County $PM_{2.5}$ Emissions Budgets (Tons/Year)

| Pollutant | Budget† | Delaware County (tons/year) |
|---|---|---|
| **Annual Direct $PM_{2.5}$♦.** | **2022 Budget (tons per year)** | **79** |
| **Annual Precursor $NO_x$♦** | | **2,016** |
| **Annual Direct $PM_{2.5}$♦.** | **2030 Budget (tons per year)** | **53** |
| **Annual Precursor $NO_x$♦.** | | **956** |

*Source: DVRPC, 2025*

*†$PM_{2.5}$ budgets are rounded off to the nearest integer in accordance with the SIP.*
*♦SIP budgets for Annual and 24-Hour $PM_{2.5}$ are the same value expressed in tons/year.*

# CHAPTER 3: Regional Emissions Analysis

## Travel Demand Simulation Results

Quantitative analyses for this iteration of transportation conformity determination for the DVRPC region began on June 10, 2025. All planning assumptions utilized in this demonstration are the latest and most current as of that date. The TDM analysis includes all regionally significant and nonexempt projects from the Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania segregated into networks according to the anticipated date that the facilities will be open to traffic.

Results from the TDM, including speed distribution, VMT by vehicle type, road-type distribution, ramp fraction, VMT by day and month, and VMT by hour, were input into the MOVES 5 emissions analysis model. These input files are provided to the U.S. EPA for review and are available upon request.

For ozone analysis, a second speed distribution is performed before being analyzed by the MOVES 5 model. The postprocessor applies a factor to the assigned volumes from the TDM that increases the annual average weekday volume to an average July weekday volume (these factors vary by county and functional class). This speed distribution is then organized into a MOVES-formatted input file, and the daily speed distribution is used for ozone emissions analysis to determine VOC and $NO_x$ emissions estimates for a typical summer work weekday.

## Emissions Estimate Results

Mobile source emissions estimates are outputs of the MOVES 5 model. The regional emissions analysis must meet all conformity tests in the Final Rule. Specifically, emissions of VOCs, $NO_x$, and $PM_{2.5}$ must be less than the approved MVEBs.

Tables 10 and 11 present the results of these calculations for the transportation conformity simulation for the critical ozone precursors. The Final Rule requires that until MVEBs are established for the 2008 or 2015 Eight-Hour Ozone NAAQS, the approved SIP MVEB for the 1997 Ozone Standard are to be used to demonstrate conformity.

**Table 10:** VOCs Emissions Analysis Results (Tons/Day)

| | | 2008 SIP MVEB† | 2009 SIP MVEB† | 2026 Emissions | 2030 Emissions | 2040 Emissions | 2050 Emissions |
|---|---|---|---|---|---|---|---|
| New Jersey | **Emissions from MOVES 5** | **–** | **25.98** | **9.93** | **8.77** | **6.30** | **4.59** |
| Pennsylvania | **Emissions from MOVES 5** | **61.09** | **–** | **17.71** | **13.49** | **9.14** | **8.08** |

*Source: DVRPC, 2025*

*†The most recent Eight-Hour Ozone SIP MVEBs will apply to all future analysis years. All emissions are rounded off to the nearest hundredths of a ton per day.*

**Table 11:** $NO_x$ Emissions Analysis Results (Tons/Day)

| | | 2008 SIP MVEB† | 2009 SIP MVEB† | 2026 Emissions | 2030 Emissions | 2040 Emissions | 2050 Emissions |
|---|---|---|---|---|---|---|---|
| New Jersey | **Emissions from MOVES 5** | **–** | **63.66** | **12.80** | **8.69** | **3.91** | **2.84** |
| Pennsylvania | **Emissions from MOVES 5** | **108.78** | **–** | **14.79** | **9.61** | **5.08** | **4.37** |

*Source: DVRPC, 2025*

*†The most recent Eight-Hour Ozone SIP MVEBs will apply to all future analysis years. All emissions are rounded off to the nearest hundredths of a ton per day.*
**Pending*

Table 12 provides the emissions estimate results for the 2006 $PM_{2.5}$ Maintenance Area in Pennsylvania, and Table 13 provides the emissions estimates and MVEB for the Delaware County 2012 Annual $PM_{2.5}$ Maintenance Area.

Since the $PM_{2.5}$ SIPs provide MVEBs expressed in annual values (tons/year), conformity is demonstrated by comparing emissions estimates against these budgets in those terms. Each future-year emissions estimate needs to be less than its associated SIP MVEB budget.

**Table 12:** 2006 24-Hour Direct $PM_{2.5}$ and $NO_x$ Emissions Analysis Results (Tons/Year) for Pennsylvania

| | | 2025 SIP MVEB† | 2026 Emissions | 2030 Emissions | 2040 Emissions | 2050 Emissions |
|---|---|---|---|---|---|---|
| Direct $PM_{2.5}$ | **DVRPC—PA** | **1,316** | **340** | **228** | **199** | **194** |
| $PM_{2.5}$ Precursor (NOx) | **DVRPC—PA** | **25,361** | **7,160** | **2,826** | **2,315** | **2,284** |

*Source: DVRPC, 2025*

*†The most recent MVEBs apply to all future analysis years. All emissions are rounded to the nearest integer.*

**Table 13:** 2012 Annual Direct $PM_{2.5}$ and $NO_x$ Emissions Analysis Results (Tons/Year) for Delaware County, Pennsylvania

| | | 2022 SIP MVEB† | 2026 Emissions | 2030 SIP MVEB† | 2030 Emissions | 2040 Emissions | 2050 Emissions |
|---|---|---|---|---|---|---|---|
| Direct $PM_{2.5}$ | **Delaware County** | **79** | **37** | **53** | **32** | **24** | **21** |
| $PM_{2.5}$ Precursor (NOx) | **Delaware County** | **2,016** | **643** | **956** | **427** | **237** | **211** |

*Source: DVRPC, 2025*

*† Associated 2022 and 2030 MVEBs apply to all future analysis years. All emissions are rounded to the nearest integer.*

## Meeting the Conformity Criteria

Collectively, these tables show that the estimated emissions of VOCs, $NO_x$, and $PM_{2.5}$ do not exceed the respective MVEBs included in approved SIPs discussed in the previous sections of this conformity demonstration. Tables 10 through 13 cumulatively demonstrate that the LRP and the TIPs conform to the SIPs with respect to the MVEBs in the corresponding analysis year.

Table 14 indicates DVRPC's responses to the evaluation criteria for the LRP and TIPs, as well as the conformity evaluation criteria from 40 CFR Part 93.

**Table 14:** Evaluation of the LRP, TIPs, and Conformity Determination Criteria

| Corresponding 40 CFR Part 93 Section(s) | Evaluation Criteria | DVRPC Response |
|---|---|---|
| §93.106(a)(1) | Are the transportation plan horizon years correct? | Yes. The analysis years of 2026, 2030, 2040, and 2050 correspond to the attainment, SIP budget, interim years within a 10-year timeframe, and the DVRPC LRP horizon year. |
| §93.106(a)(2)(i) | Does the Plan quantify and document the demographic and employment factors influencing transportation demand? | Yes. The Draft *Update: Connections 2050* Long-Range Plan does quantify and document demographic and employment factors influencing transportation demand. Future population and employment forecasts were developed with member counties and adopted by the DVRPC Board. |
| §93.106(a)(2)(ii) | Is the highway and transit system adequately described in terms of regionally significant additions or modifications to the existing transportation network that the transportation Plan envisions to be operational in horizon years? | Yes. The regionally significant additions and modifications to the network utilized in this conformity analysis are listed and described. Detailed information regarding each project can be found in the respective LRP and TIP documents. |
| §93.108 | Are the transportation LRP and TIPs fiscally constrained? | Yes. The LRP and the TIP are constrained to reasonably anticipated financial resources, as required by federal regulations, and are based on year-of-expenditure costs. |
| §93.109(c) | Are the regional conformity test requirements met for all nonattainment and maintenance areas? | Yes. $PM_{2.5}$, VOCs, and $NO_x$ MVEBs have been approved by the U.S. EPA. DVRPC performs budget tests to demonstrate the $PM_{2.5}$ and ozone conformity of the LRP and the TIPs. A limited maintenance plan is approved for $PM_{2.5}$ in New Jersey and no regional emissions analysis are required. |

<*continued*>

| Corresponding 40 CFR Part 93 Section(s) | Evaluation Criteria | DVRPC's Response |
|---|---|---|
| | Is the conformity determination, with respect to all other applicable criteria in §93.111-93.119, based upon the most recent planning assumptions in force at the time that the conformity determination began? | Yes. This conformity determination utilizes the most recent planning assumptions as of June 10, 2025, the start of analysis dates for this conformity determination for the LRP and TIPs. |
| | Are the assumptions derived from the estimates of current and future population, employment, travel, and congestion the most recently developed by the MPO or other designated agency? Is the conformity determination based upon the latest assumptions about current and future background concentrations? | Yes. This conformity determination utilizes the most recent demographic and employment data, which were adopted by the DVRPC Board in October 2024 and May 2025, respectively. Also, other planning assumptions and travel data are derived from the most current information available to DVRPC. |
| | Are any changes in the transit operating policies (including fares and service levels) and assumed transit ridership discussed in the determination? | Yes. Applicable transit operating policies and transit ridership are discussed in this document and were verified through the consultation process. (See Chapter 2, pp. 20−21). |
| **§93.110** | Does the conformity determination include reasonable assumptions about transit service and increases in transit fares and road and bridge tolls over time? | Key transit and toll assumptions outlined in this document were verified through the consultation process. (See Chapter 2, pp. 20−21). |
| | Does the conformity determination use the latest existing information regarding the effectiveness of the TCMs and other implementation plan measures that have already been implemented? | Currently, there are no adopted TCMs in the corresponding SIPs. |
| | Are key assumptions specified and included in the draft documents and supporting materials used for interagency and public consultation, as required by §93.105? | Key assumptions are specified, and other supporting documents are included in this conformity determination document, which is available to the TCICG and the public. |

*<continued>*

| Corresponding 40 CFR Part 93 Section(s) | Evaluation Criteria | DVRPC's Response |
|---|---|---|
| **§93.111** | Is the conformity determination based upon the latest emissions model? | Yes. The transportation conformity determination for the LRP and the TIPs are based on MOVES 5 analysis. |
| **§93.112** | Did the MPO make the conformity determination according to the consultation procedures of the Final Rule or the state's conformity SIP? | Yes. Formal interagency consultation meetings with the U.S. EPA, FHWA, FTA, and state environmental and transportation agencies were held according to the consultation procedures consistent with the requirements of all applicable regulations, including §93.105(a) and (e), to consider input assumptions and to review findings regarding transportation conformity.<br>In compliance with 23 CFR 450, a 30-day public comment period and public meetings are planned to receive comments regarding the transportation conformity of the LRP and the TIPs under all governing NAAQS. |
| **§93.113(b)**<br>**§93.113(c)** | Are TCMs being implemented in a timely manner? | There are currently no adopted TCMs in the SIPs. |
| **§93.118** | For areas with SIP Budgets: is the LRP, TIP, or project consistent with the established MVEB(s) in the applicable SIP? | Yes. Projects contained in the LRP and the TIPs result in fewer emissions than the established budgets for all applicable pollutants in each analysis year. |
| **§93.122(a)(1)** | Does the conformity analysis include all regionally significant projects? | Yes. The project sets for the LRP and the TIPs include all regionally significant projects. |
| **§93.122(a)(6)**<br>**§93.122(a)(7)** | Are reasonable methods and factors used for the regional emissions analysis consistent with those used to establish the emissions budget in the applicable SIP? | Yes. The ambient temperatures and other factors used in the analysis, including the methods for off-network VMT and speed, have been reviewed by the TCICG and deemed reasonable. |
| **§93.122(b)** | Is there a network-based travel model of reasonable methods to estimate traffic speed and delays for the purpose of transportation-related emissions estimates? | Yes. DVRPC uses a network-based model that runs iteratively to obtain convergence on input/output highway and transit travel speed. It is sensitive to travel time, costs, and other factors affecting travel choices. |

*Source: DVRPC, 2025*

# CHAPTER 4: Stakeholder Participation

## Interagency Consultation Group Meetings

DVRPC participated in a series of TCICG meetings and correspondence for this iteration of the transportation conformity demonstration of the LRP and the TIPs.

For New Jersey, a TCICG meeting was held via video conference on June 5, 2025. Prior to the meeting DVRPC provided the TCICG with the proposed conformity schedule, the lists of planning assumptions and MOVES model inputs for the emissions analysis, and the lists of projects from the Draft LRP and Draft FFY 2026 TIP for New Jersey that will be analyzed for this conformity determination. The TCICG reviewed the planning and model inputs and project lists and approved DVRPC to start the conformity analysis on June 10, 2025.

In Pennsylvania, consultation with the TCICG was conducted through email. Planning assumptions, model inputs, and project lists from the Draft LRP and Pennsylvania TIP were discussed and approved by the TCICG. FHWA submitted comments regarding project coding to DVRPC, and all comments were resolved and submitted to the TCICG by June 6, 2025.

Final decisions on items of discussion were summarized and shared with the TCICG in each state.

Represented federal, state, and local partners on the TCICG included U.S. EPA Region II and III offices, FHWA NJ Division Office, FHWA PA Division Office, FTA Region II, New Jersey Department of Transportation, NJ Transit, NJ DEP, Pennsylvania DEP, PennDOT, and SEPTA. The consultant firm of Michael Baker Jr., Inc., also participated in the TCICG process because of its extensive involvement and expertise in the transportation conformity processes in both Pennsylvania and New Jersey.

## Public Participation

DVRPC scheduled a mandated 30-day public comment period to begin on August 4, 2025, to receive comments on the draft conformity findings. The announcement for the public comment period for the conformity determination of the LRP and the TIPs will appear in five major newspapers throughout the region during the week of July 28, 2025. Announcement of the public comment period will be included in DVRPC's July and August newsletters, which go to nearly 13,000 subscribers. This draft conformity document will be made available online at www.dvrpc.org/AirQuality/Conformity/.

Hard copies of the Executive Summary of the draft document will be made available at 42 libraries throughout the region and at DVRPC's offices.

As part of the comment period, an in-person public information session is scheduled for August 5, 2025, at 6:00 PM at the Gloucester County Public Library, and a hybrid in-person/online meeting is scheduled for August 7, 2025 at 6:00 PM at DVRPC's office and via webinar and a call-in function. The meeting presentations will be recorded and posted on the DVRPC website for additional access to the public. The comment period will close on September 5, 2025, at 5:00 PM.

Written public comments and questions must be submitted in one of the following ways:

- online at www.dvrpc.org/AirQuality/Conformity/,
- by email at airconformity@dvrpc.org; and
- by mail at the address at the end of this document, Attention: TIP/Plan/Conformity Comments.

Comments and responses will be presented to stakeholders and the DVRPC Board prior to adopting the updated LRP, the final recommended program of priority transportation projects for the region's TIPs, and this conformity analysis. DVRPC staff plans to do this at the regularly scheduled Board meeting on Thursday, September 25, 2025.

## CHAPTER 5: Conclusion

The DVRPC Draft LRP, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania are found to be in conformity with the current state SIPs under the CAA. The forecasted emissions levels of VOCs, $NO_x$, and $PM_{2.5}$ do not exceed the respective budgets established by the states in accordance with the Final Rule under the current NAAQS governing applicable pollutants. DVRPC is no longer required to perform emissions analysis in New Jersey for $PM_{2.5}$ in order to demonstrate conformity to this standard. DVRPC confirms that the transportation conformity analysis meets all applicable conformity criteria, including, but not limited to, the following:

- that the LRP and the TIPs are fiscally constrained [40 CFR 93.108];
- that this determination is based on the latest planning assumptions [40 CFR 93.110];
- that this determination is based on the latest emissions estimation model available [40 CFR 93.111];
- that DVRPC has made the determination according to the applicable consultation procedures [40 CFR 93.112];
- that the LRP and the TIPs do not interfere with the timely implementation of TCMs [40 CFR 93.113]; and
- that the LRP and the TIPs are consistent with the MVEBs in the applicable SIPs [40 CFR 93.118].

These findings demonstrate transportation conformity of the DVRPC Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania with the corresponding state SIPs and the Final Rule requirements under the CAA, including:

- the 1997, 2008, and 2015 Eight-Hour Ozone NAAQS in the Philadelphia–Wilmington–Atlantic City, PA–NJ–MD–DE Ozone Nonattainment Area;
- the 2006 24-Hour $PM_{2.5}$ NAAQS in the Philadelphia–Wilmington, PA–NJ–DE $PM_{2.5}$ Maintenance Area;
- the 2006 24-Hour $PM_{2.5}$ NAAQS in the New York–Northern New Jersey–Long Island, NY–NJ–CT Annual and 24-Hour $PM_{2.5}$ Maintenance Area, and
- the 2012 Annual $PM_{2.5}$ Delaware County, PA Maintenance Area.

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# Appendix

## Appendix: Regionally Significant and Nonexempt Projects in the Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania

The projects listed in this Appendix were included in the regional conformity analysis. Full descriptions of LRP and TIP projects are available in the relevant documents by referencing the Major Regional Project (MRP) ID and MPMS numbers.

### Air Quality Significant New Jersey Draft *Update: Connections 2050* Long-Range Plan MRPs

| MRP ID | Project Title | AQ Analysis Code |
|---|---|---|
| **Highway - Externally Funded** | | |
| **NJX001** | NJ Turnpike Interchanges One to Four Capacity Enhancements Program | 2050M |
| **NJX003** | AC Expressway Third Lane Widening | 2050M |
| **Highway - Regional** | | |
| **NJR002** | I-295 at NJ 38 Missing Moves | 2040M |
| **NJR003** | I-295 Direct Connect through I-76/NJ 42 | 2040M |
| **NJR004** | US 1 Alexander Rd. to Mapleton Road | 2040M |
| **NJR007** | NJ 73 from Dutch Road to NJ 70 | 2040M |
| **NJR008** | NJ 73 and Church Road | 2040M |
| **NJR009** | US 322 Bypass near Rowan University | 2050M |
| **NJR019** | I-295, Sloan Avenue to Princeton Pike | 2040M |

*Source: DVRPC, 2025*

***Note: AQ Codes for Long-Range Plan projects indicate when the project is expected to be complete. Phases of these projects are often programmed in the TIP as breakout projects. These phases are analyzed for conformity when the breakout project is expected to open to traffic.***

### Air Quality Significant Pennsylvania Draft *Update: Connections 2050* Long-Range Plan MRPs

| MRP ID | Project Title | AQ Analysis Code |
|---|---|---|
| **Highway - Externally Funded** | | |
| **PAX002** | I-95 and I-276 (PA Turnpike) Interchange (Stage 2) | 2040M |
| **PAX003** | I-95 and I-276 (PA Turnpike) Interchange (Stage 3) | 2050M |
| **PAX004** | I-276 (PA Turnpike) widening through Interchange 351 (Section A) | 2050M |
| **PAX005** | I-276 (PA Turnpike) widening from Galloway Road to Bensalem Boulevard (Section C) | 2050M |
| **PAX009** | PA Turnpike (I-76) Reconstruction and Widening - MP 320-324 | 2040M |
| **PAX010** | PA Turnpike (I-76) Reconstruction and Widening MP 298-302 | 2050M |
| **PAX011** | PA Turnpike (I-76) Reconstruction and Widening MP 302-308 | 2050M |
| **PAX012** | PA Turnpike (I-76) Reconstruction and Widening MP 308-312 | 2050M |
| **PAX013** | PA Turnpike (I-76) Reconstruction and Widening - MP 312-316 | 2040M |
| **PAX014** | PA Turnpike (I-76) Reconstruction and Widening - MP 316-319 | 2040M |
| **PAX020** | I-276 / Lafayette Street Interchange | 2040M |
| **PAX022** | I-276 (PA Turnpike) Fort Washington Interchange | 2040M |
| **Highway - Regional** | | |
| **PAR003** | US 1 at PA 352 and 452 | 2050M |
| **PAR004** | US 1 at PA Turnpike | 2040M |
| **PAR006** | US 30 / Coatesville-Downingtown Bypass (Western) | 2050M |
| **PAR007** | US 322 from Clayton Park Drive to I-95 | 2040M |
| **PAR008** | Henderson Road and South Gulph Road | 2040M |
| **PAR009** | PA 309 Connector Road | 2040M |

| MRP ID | Project Title | AQ Analysis Code |
|---|---|---|
| **PAR010** | Ridge Pike Reconstruction | 2040M |
| **PAR011** | I-95 Philadelphia North (Sector A) | 2040M |
| **PAR016** | I-95 / US 322 / Highland Avenue Interchange | 2040M |
| **PAR019** | Bristol Road Extension | 2040M |
| **PAR020** | Belmont Avenue at I-76 Interchange | 2050M |
| **PAR021** | US 202 at US 1 Loop Road and PA 926 | 2030M |
| **PAR024** | I-476 Active Traffic Management | 2040M |
| **PAR025** | I-76 Integrated Corridor Management | 2050M |
| **PAR027** | US 30 / Coatesville-Downingtown Bypass (Eastern) | 2050M |
| **PAR028** | I-95 Delaware County Active Traffic Management | 2050M |
| **PAR035** | I-95 at PA 132 (Street Road) | 2050M |
| **PAR036** | PA 663 / John Fries Highway | 2040M |
| **PAR041** | Keystone Boulevard Extension | 2050M |
| **PAR060** | PA 100 Northbound at Exton Station | 2050M |
| **PAR063** | PA 663 from Portzer to Hickory | 2040M |
| **PAR075** | US 1 (Roosevelt Boulevard) Operational Improvements – Phase 1 | 2030M |
| **PAR084** | Traffic Signal Upgrades & Modernization | 2040M |
| **Transit** | | |
| **PAT020** | Eastwick Intermodal Station Phase 2 | 2050M |
| **PAT023** | Bus Revolution: Bus Stop and Transit Priority Enhancements | 2050M |
| **PAT028** | Trolley Modernization: Expansion | 2050M |

*Source: DVRPC, 2025*

***Note: AQ Codes for Long-Range Plan projects indicate when the project is expected to be complete. Phases of these projects are often programmed in the TIP as breakout projects. These phases are analyzed for conformity when the breakout project is expected to open to traffic.***

### Air Quality Significant Projects in the Draft FFY 2026 TIP for New Jersey

| DB Number | Project Title | AQ Analysis Code |
|---|---|---|
| **Highway** | | |
| **Burlington County** | | |
| **D2502** | Automated Traffic Management System Expansion and Upgrade Project | 2030M |
| **12307** | NJ 38, South Church Street (CR 607) to Fellowship Road (CR 673), Operational and Safety Improvements | 2040M |
| **12380** | NJ 73, Church Road (CR 616) and Fellowship Road (CR 673) Intersections | 2040M |
| **13319** | NJ 73, Dutch Road to NJ 70 | 2040M |
| **21311** | I-295 and NJ 38 Interchange Operational Improvements | 2040M |
| | | |
| **Camden County** | | |
| **25380** | Widening of the Atlantic City Expressway (ACE) and NJ 42 | 2030M |
| **16319** | US 30, Gibbsboro Road (CR 686) | 2040M |
| **19607B** | NJ 38, NJ 70 to Route 73, ATS C#1 | 2030M |
| **355D** | I-295/NJ 42/I-76, Direct Connection, Contract 3 | 2040M |
| **355E** | I-295/NJ 42/I-76, Direct Connection, Contract 4 | 2040M |
| | | |
| **Mercer County** | | |
| **D2023** | Circulation Improvements Around Trenton Transit Center | 2040M |
| **17419** | US 1, Alexander Road to Mapleton Road | 2040M |
| **18353** | I-295, Sloan Avenue (CR 649) to CR 583 (Princeton Pike) | 2040M |

*Source: DVRPC, 2025*

## Air Quality Significant Projects in the FFY 2025 TIP for Pennsylvania

| MPMS Number | Project Title | AQ Analysis Code |
|---|---|---|
| **Highway** | | |
| **Bucks County** | | |
| **12923** | Bristol Road Extension | 2040M |
| **13549** | US 1 (Bridges) Design (Section 03S) | 2040M |
| **93445** | US 1 Improvements - North (Section RC2) | 2030M |
| **99431** | Route 663 (John Fries Highway) Widening | 2040M |
| **110309** | I-95/US 13/PA 132 Slip Ramp Operation Improvement | 2040M |
| **110310** | Almshouse Road at Jacksonville Road Intersection Improvement | 2040M |
| **115418** | Route 113 & Minsi Trail Road Roundabout | 2030M |
| **115419** | US 202/Route 263 (York Road) Roundabout | 2030M |
| **118020** | Bustleton Pike/Second Street Pike Roundabout | 2030M |
| **118022** | US 202/PA 179 Roundabout | 2040M |
| **119730** | I-95, I-295, PA Turnpike Interchange Stage 2 | 2040M |
| | | |
| **Chester County** | | |
| **14532** | US 30, Coatesville Downingtown Bypass Reconstruction Design | 2040M |
| **87781** | US 30, Coatesville Downingtown Bypass (CER-Eastern Section) | 2050M |
| **102708** | PA 41 at PA 841 Improvements | 2040M |
| **107553** | US30 and Airport Road Interchange Improvement | 2050M |
| **118025** | PA 100 Northbound at Exton Station | 2040M |
| **118552** | Harvey's Bridge Road over West Bridge Brandywine Creek | 2040M |
| **120278** | Marshallton-Thorndale and Poorhouse Road Roundabout | 2030M |
| | | |
| **Delaware County** | | |
| **15477** | I-95/322/Conchester Highway. Interchange/ Improvements. | 2040M |
| **69817** | US 322, Featherbed Lane to Chelsea Parkway (Section 102) | 2040M |
| **79329** | Bridgewater Road Extension | 2030M |
| **95429** | US 202 and US 1 Intersection Area Improvements | 2030M |
| **104821** | I-476 Travel Management | 2030M |
| **107642** | Smithbridge Road Corridor | 2030M |
| **110951** | Macdade Boulevard Corridor Safety Improvements | 2030M |
| **111022** | Chichester Avenue Corridor Safety Improvements | 2030M |
| **114034** | US 322: Chelsea Parkway to Market Street Interchange (Section 103) | 2040M |
| **114102** | West Chester Pk & 476 (Competitive CMAQ) | 2030M |
| **114112** | Media Bypass ITS (Competitive CMAQ) | 2030M |
| **115427** | Lansdowne Avenue Corridor Safety Improvements | 2030M |
| **118029** | Bethel Roundabout | 2040M |
| **119435** | SR 452/I-95 Improvements | 2040M |
| **119917** | Concord Road / Bethel Road / Engle Street Intersection Improvement (Sec DBE) | 2040M |
| **120688** | State Road 3007 Sec DMB Preliminary Design for Concord Road / McDonald Boulevard and Concord Road/Sunfield Drive Intersection Improvements | 2040M |
| | | |
| **Montgomery County** | | |
| **16438** | PA 309, Connector Project - Phase I | 2040M |
| **16577** | Ridge Pike: Harmon Road to Crescent Avenue | 2040M |
| **48172** | PA 23 Moore to Allendale and Trout Creek Road Bridge | 2040M |
| **48174** | PA 63, PA 152, Norristown Road at Maple Glen Triangle | 2040M |
| **48175** | Ridge Pike: Belvoir Road to Chemical Road | 2030M |

| MPMS Number | Project Title | AQ Analysis Code |
|---|---|---|
| **48187** | Henderson/Gulph Road Widen near I-76 Ramps | 2040M |
| **57176** | PA 611 Bridge over PA Turnpike Willow Grove Interchange Ramps | 2040M |
| **63486** | US 202, Johnson Highway to Township Line Road (61S) | 2030M |
| **64795** | Belmont Rd/Rock Hill Rd Widening: I-76 Ramps to Rock Hill Road | 2040M |
| **81893** | Marshall and Forrest Intersection R10 | 2026M |
| **102273** | Ridge/Germantown Intersection Realignment - Phase 1, Perkiomen Crossing | 2030M |
| **105803** | PA 309 Connector: Souderton Pike to PA 309 (HT3) | 2040M |
| **106662** | I-76 Integrated Corridor Management | 2040M |
| **110971** | Main Street Safety Improvements | 2030M |
| **115429** | Belmont Avenue and St. Asaphs Road Roundabout | 2030M |
| **116838** | I-76 Flex Lanes: US 202 to I-476 | 2040M |
| **116839** | I-76 Flex Lane WB: US 1-Belmont Avenue | 2040M |
| **118032** | Dekalb Street Two-Way Reconstruction | 2040M |
| **120281** | South Collegeville Road (PA 29) at Perkiomen Boulevard | 2030M |
| | | |
| **Philadelphia County** | | |
| **17821** | I-95: Race Street to Ann Street (GIR) - Design | 2040M |
| **47811** | I-95:Bridge Street Design (Section BSR) | 2040M |
| **47812** | I-95: Betsy Ross Interchange (BRI) - Design | 2040M |
| **47813** | I-95: Ann Street to Wheatsheaf Lane (AFC) | 2040M |
| **79828** | I-95 Northbound: Race - Shackamaxon (GR5) | 2040M |
| **79905** | I-95: Betsy Ross Mainline Northbound (BR3) | 2040M |
| **87784** | I-95: Aramingo/Harbison: Church Street to Amtrak (Section BS3) | 2050M |
| **96223** | Philadelphia Signal Retiming | 2030M |
| **103553** | I-95 Southbound: Race to Shackamaxon Streets (GR6) | 2040M |
| **103557** | I-95 Northbound and Southbound: Tioga Street to Wheatsheaf Lane (AF3) | 2040M |
| **103558** | I-95 Northbound and Southbound: Ann Street to Tioga Street (AF4) | 2040M |
| **103559** | I-95: Betsy Ross Mainline Southbound (BR4) | 2040M |
| **103563** | I-95: Delaware Avenue Extension (BS5) | 2050M |
| **107648** | North 5th Street Reformatting Signals | 2030M |
| **110958** | Castor Avenue Roundabout | 2026M |
| **115434** | Frankford Avenue Corridor Safety Improvements | 2030M |
| **115435** | 63rd Street Corridor Safety Improvements | 2040M |
| **115440** | Washington Lane Corridor Safety Improvements | 2030M |
| **115687** | I-95: Allegheny & Castor Ave Interchange | 2040M |
| **118035** | 5th Street Improvements | 2040M |
| **119822** | US 1: Broad Street - Adams Avenue | 2030M |
| **119836** | US 1: Adams Avenue - Old Lincoln Highway | 2030M |
| | | |
| **Transit** | | |
| **60540** | Regional Parking Improvements | 2030M |
| **115472** | SEPTA Projects of Significance | 2040M |

*Source: DVRPC, 2025*

# DRAFT Transportation Conformity Demonstration

## Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania

**Publication Number:** 26106A

**Date Published:** August 2025

**Geographic Area Covered:**

The nine-county DVRPC planning area, which covers the counties of Bucks, Chester, Delaware, Montgomery, and Philadelphia in Pennsylvania; and Burlington, Camden, Gloucester, and Mercer in New Jersey.

**Key Words:**

Air Quality, *Update: Connections 2050* Long-Range Plan, Multijurisdictional Nonattainment Area, National Ambient Air Quality Standards, Nonattainment Area, $NO_x$, Ozone, State Implementation Plan (SIP), Transportation Conformity, Transportation Improvement Program (TIP), Volatile Organic Compounds (VOCs).

**Abstract:**

The Delaware Valley Regional Planning Commission (DVRPC) demonstrates transportation conformity of its Draft *Update: Connections 2050* Long-Range Plan, Draft FFY 2026 TIP for New Jersey, and FFY 2025 TIP for Pennsylvania. A transportation conformity demonstration is required at least once every four years or when a metropolitan planning organization: (1) adopts a new LRP or TIP; or (2) amends, adds, or deletes a regionally significant, nonexempt project in a LRP or TIP. This conformity finding of the DVRPC LRP and TIP shows that they meet the National Ambient Air Quality Standards requirements governing ozone and fine particulate matter. This conformity finding reflects all amendments to the LRP and TIPs through June 2025.

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