

RESOLUTION

by the Board of the Delaware Valley Regional Planning Commission

Adoption of the Conformity Finding of the DVRPC Update: *Connections 2050* Long-Range Plan (LRP), Federal Fiscal Year (FFY) 2026 Transportation Improvement Program (TIP) for New Jersey, and FFY2025 TIP for Pennsylvania

WHEREAS, the governors and legislatures of the Commonwealth of Pennsylvania and the State of New Jersey developed an interstate compact in 1965 establishing the Delaware Valley Regional Planning Commission (DVRPC) and charged it with the responsibility of preparing comprehensive plans for the physical development of the region; and,

WHEREAS, DVRPC acts as the duly designated metropolitan planning organization (MPO) for the nine-county Greater Philadelphia region as required by Section 134 of the United States Code (U.S.C.) Title 23 and Section 1607 of U.S.C. Title 49; and,

WHEREAS, the Statewide and Metropolitan Planning Regulations (23 CFR Part 450 and 49 CFR Part 613) require that regional transportation plans and Transportation Improvement Programs be developed and updated by MPOs, approved by the Governor, reviewed by the Federal Transit Administration and the Federal Highway Administration; and,

WHEREAS, MPO transportation plans and programs are required to conform to the purposes of State Implementation Plans (SIPs) and the Clean Air Act as amended (CAAA) under the Final Conformity Rule ("Final Rule") promulgated by the United States Environmental Protection Agency (U.S. EPA) in November 1993 and amended in March 2012; and,

WHEREAS, the nine-county DVRPC planning area has been designated by the U.S. EPA as a nonattainment area for ozone for the 1997, 2008, and 2015 eight-hour ozone standard, Delaware County has been designated a maintenance area for the 2012 annual fine particulate matter (PM_{2.5}) standard, and the nine-county planning area is part of two maintenance areas for the annual and 24-hour PM_{2.5} standards; as required by CAAA under the respective ozone and PM_{2.5} National Ambient Air Quality Standards (NAAQS); and,

WHEREAS, on July 25, 2007, the Area has been re-designated under the 1997 8-hour ozone standard as an attainment (maintenance) area by U.S. EPA with motor vehicle emissions budgets (MVEBs) established in the SIPs; and,

WHEREAS, on April 6, 2015, U.S. EPA revoked the 1997 8-hour ozone NAAQS for all purposes and established anti-backsliding requirements for areas that remain designated nonattainment for the revoked NAAQS; and,

WHEREAS, the U.S. Court of Appeals for the D.C. Circuit issued a decision in *South Coast Air Quality Management District v. EPA* on February 16, 2018, addressing air quality requirements for former 1997 ozone areas, and this area was in maintenance for the 1997 ozone standard at the time of the 1997 ozone revocation in 2015. An air quality analysis and conformity determination of the TIP for the 1997 ozone standard has also been prepared. This conformity determination demonstrates that the requirements of 40 CFR Part 93 are met; and,

WHEREAS, the former CO Maintenance Areas in the region have successfully maintained the CO NAAQS for twenty years, and as of December 2017, DVRPC is no longer required to demonstrate conformity for CO; and,

WHEREAS, there exist SIP motor vehicle emissions budgets (MVEBs) governing ozone precursors, direct PM_{2.5}, and PM_{2.5} precursors for transportation conformity purposes in the nine-county DVRPC planning area; and,

WHEREAS, in March 2024, the U.S. EPA approved limited Maintenance Plans for direct PM_{2.5}, and PM_{2.5} precursors for transportation conformity purposes in the New Jersey counties of the DVRPC planning area and regional emissions analysis are no longer required in these areas to demonstrate transportation conformity to the PM_{2.5} NAAQS; and,

WHEREAS, applicable SIP budget tests are performed for ozone and PM_{2.5} in the areas where there are existing SIP MVEBs and emissions analysis are required; and,

WHEREAS, DVRPC has completed the conformity analysis of the LRP and TIPs according to the procedures detailed in the Final Rule under the CAAA in a manner meeting the requirements of all appropriate federal and state regulations pertaining to statewide and metropolitan planning and air quality; and,

WHEREAS, the analysis demonstrates that emissions of ozone precursors are less than the established MVEB tests for the 1997, 2008, and 2015 ozone standard, and below the established MVEB tests for PM_{2.5} and PM_{2.5} precursor NO_x in the relevant PM_{2.5} maintenance areas; and,

WHEREAS, DVRPC has provided a reasonable opportunity for citizens, transit users, and all interested parties to participate and have their views considered in the development and adoption of this conformity determination;

NOW, THEREFORE, BE IT RESOLVED, that the Board of the Delaware Valley Regional Planning Commission determines that the DVRPC *Update: Connections 2050* Long-Range Plan, the FFY2026 TIP for New Jersey, and the FFY2025 TIP for Pennsylvania conform to the relevant State Implementation Plans, all applicable National Ambient Air Quality Standards requirements under the Clean Air Act as amended, and that the finding is consistent with the Final Conformity Rule.

Adopted this 25th day of September 2025 by the
Board of the Delaware Valley Regional Planning Commission.

I do hereby certify that the foregoing is a true copy of Resolution No. B-FY26-001.

Renee Wise, Recording Secretary

Transportation Conformity Demonstration:

Update:Connections 2050 Long-Range Plan,
FFY2026 TIP for New Jersey,
FFY2025 TIP for Pennsylvania
Executive Summary



September 2025



The Delaware Valley Regional Planning Commission (DVRPC) is the federally designated Metropolitan Planning Organization for the Greater Philadelphia region, established by an Interstate Compact between the Commonwealth of Pennsylvania and the State of New Jersey. Members include Bucks, Chester, Delaware, Montgomery, and Philadelphia counties, plus the City of Chester, in Pennsylvania; and Burlington, Camden, Gloucester, and Mercer counties, plus the cities of Camden and Trenton, in New Jersey.

DVRPC serves strictly as an advisory agency. Any planning or design concepts as prepared by DVRPC are conceptual and may require engineering design and feasibility analysis. Actual authority for carrying out any planning proposals rest solely with the governing bodies of the states, local governments or authorities that have the primary responsibility to own, manage or maintain any transportation facility.

DVRPC is funded through a variety of funding sources including federal grants from the U.S. Department of Transportation's Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), the Pennsylvania and New Jersey departments of transportation, as well as by DVRPC's state and local member governments. The authors, however, are solely responsible for the findings and conclusions herein, which may not represent the official views or policies of the funding agencies.

Title VI Compliance The Delaware Valley Regional Planning Commission (DVRPC) fully complies with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, and related nondiscrimination mandates in all programs and activities. DVRPC is committed to ensuring that no person is excluded from participation in, or denied the benefits of, all programs and activities on the basis of race, creed, color, national origin, age, gender, disability, sexual orientation, or income level, as protected by Title VI of the Civil Rights Act of 1964 and other related nondiscrimination mandates.

DVRPC's website, www.dvrpc.org, may be translated into multiple languages. Publications and other public documents can be made available in alternative languages and formats, if requested. DVRPC's public meetings are always held in ADA-accessible facilities, and held in transit-accessible locations whenever possible. DVRPC will work to accommodate all reasonable requests for translation, interpretation, accommodations or other auxiliary services and encourages that requests be made at least seven days prior to a public meeting. Requests can be made by contacting the Commission's ADA and Title VI Compliance Officer Shoshana Akins via email at public_affairs@dvrpc.org, calling 215-592-1800, or while registering for an upcoming meeting.

Any person who believes they have been aggrieved by an unlawful discriminatory practice by DVRPC under Title VI has a right to file a formal complaint. Any such complaint must be in writing and filed with DVRPC's ADA and Title VI Compliance Officer Shoshana Akins and/or the appropriate state or federal agency within 180 days of the alleged discriminatory occurrence. Complaints that a program, service, or activity of DVRPC is not accessible to persons with disabilities should be directed to Shoshana Akins as well. For more information on DVRPC's Title VI program or to obtain a Title VI Complaint Form, please visit: www.dvrpc.org/GetInvolved/TitleVI, call 215-592-1800, or email public_affairs@dvrpc.org.

Executive Summary

Overview

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.

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 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 DVRPC Long-Range Plan, 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 LRP 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.

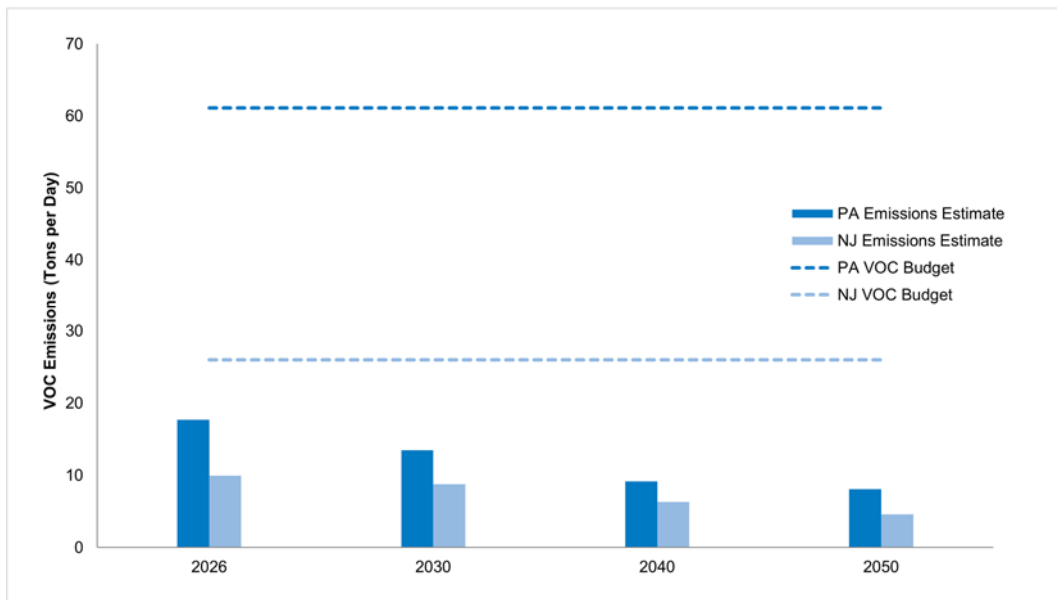
The transportation conformity analysis meets all applicable conformity criteria, including, but not limited to, the following:

- 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.

¹TCMs 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

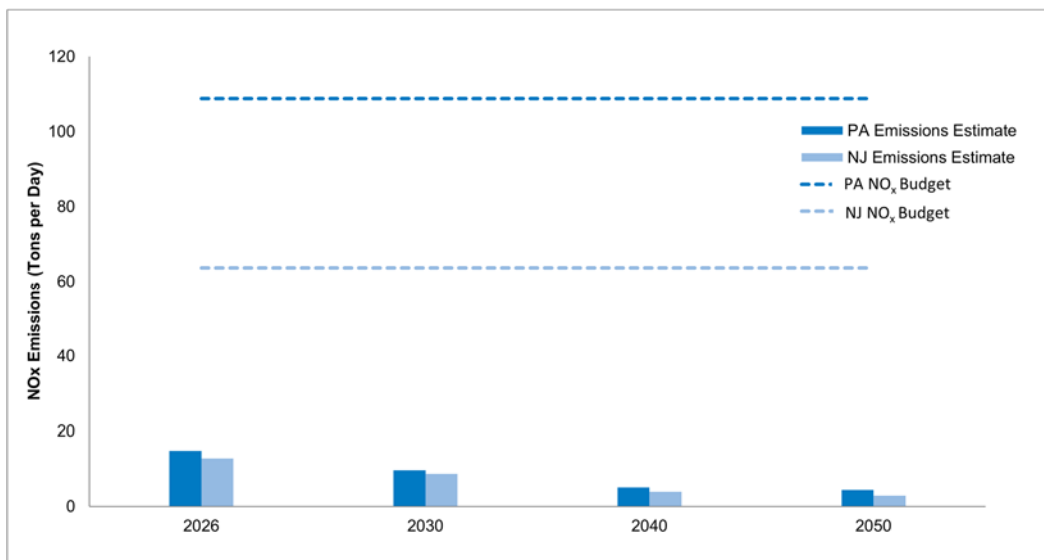


The most recent Eight-Hour Ozone SIP MVEBs apply to all future analysis years.

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: NO_x Emissions Analysis Results (Tons/Day) for the DVRPC Region

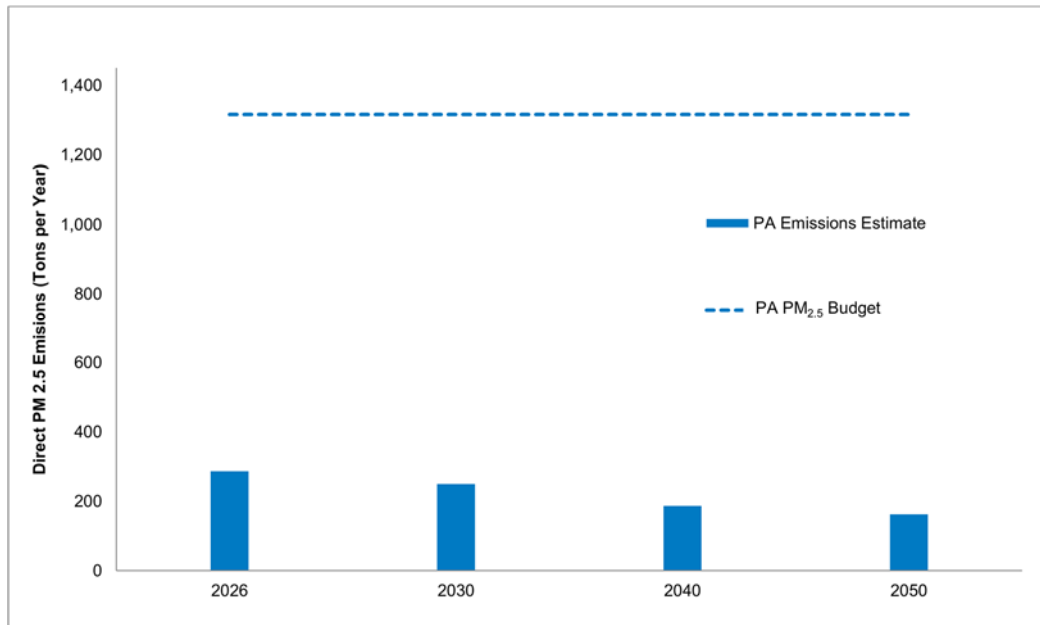


The most recent Eight-Hour Ozone SIP MVEBs apply to all future analysis years.

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

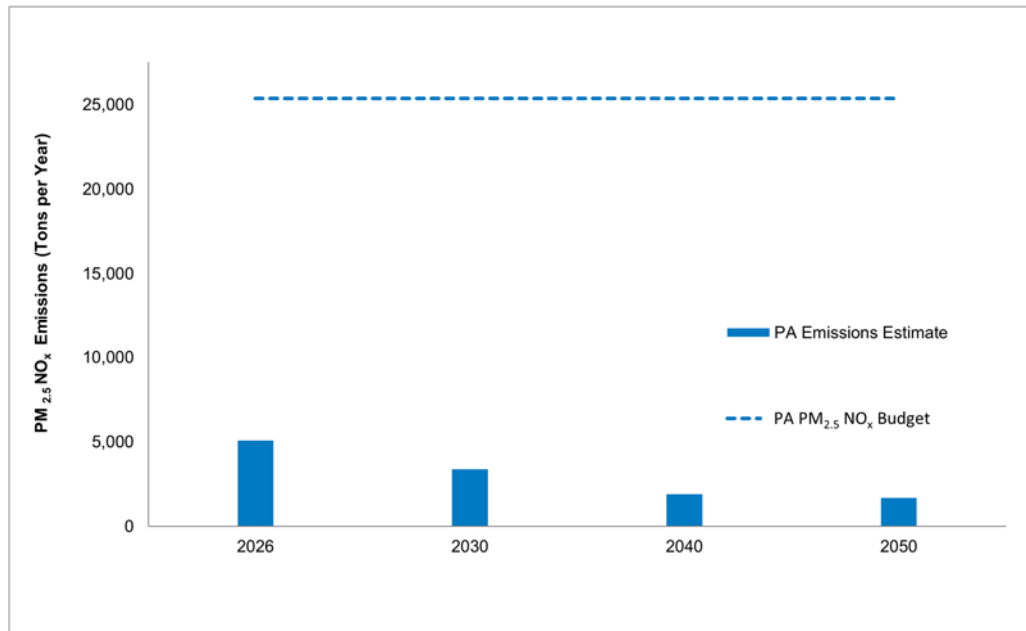


The most recent MVEBs apply to all future analysis years.

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

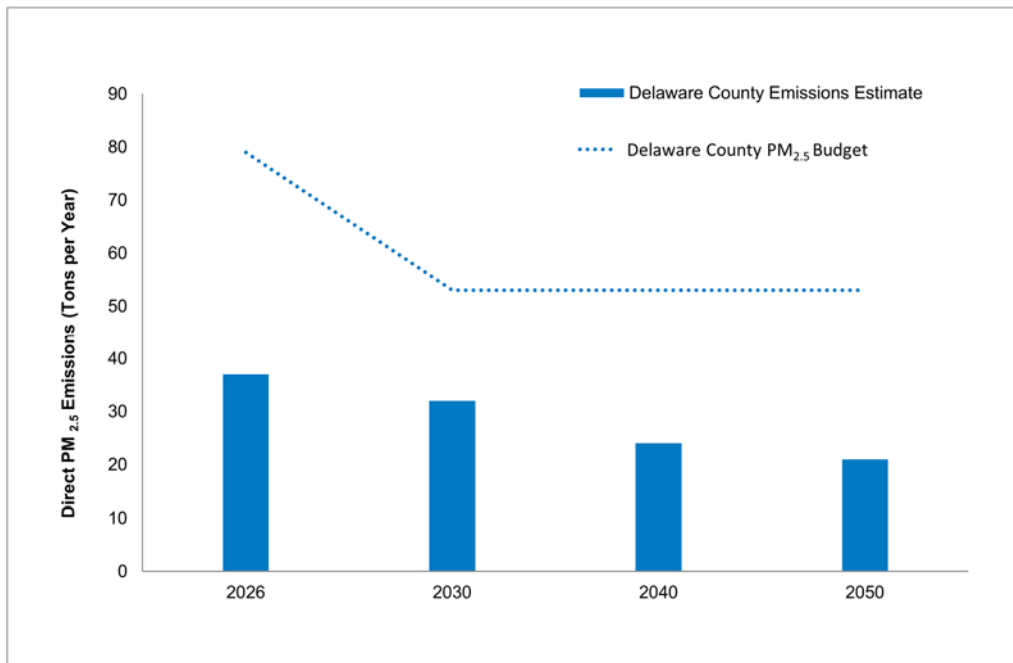


The most recent MVEBs apply to all future analysis years.

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

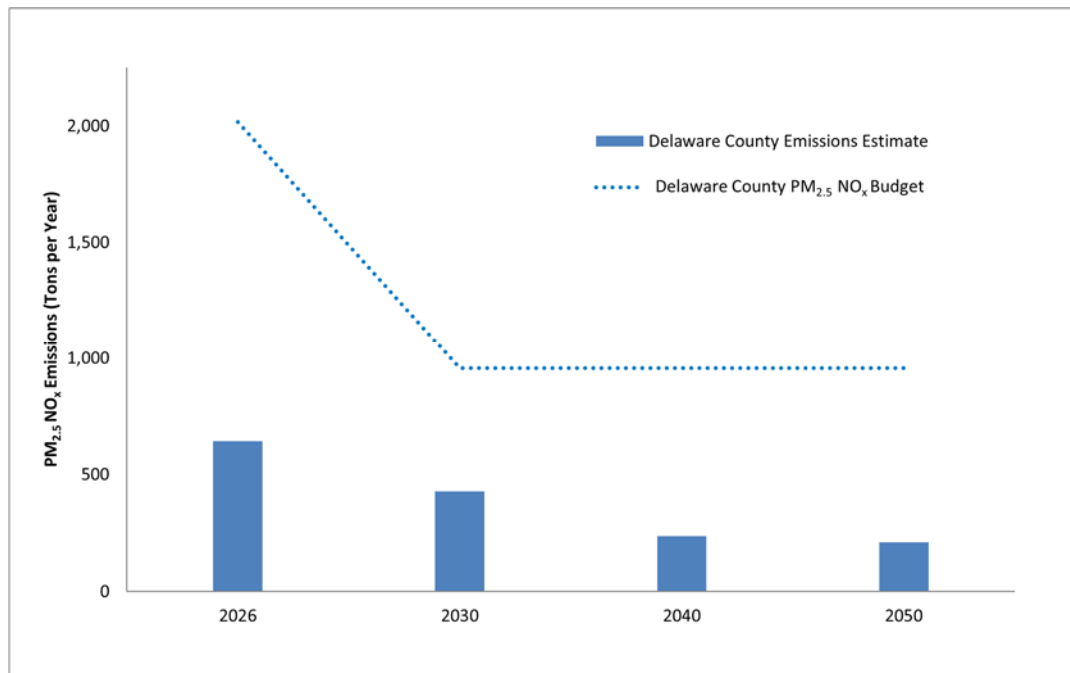


The most recent MVEBs apply to all future analysis years.

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 *Update: Connections 2050* Long-Range Plan, 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.

Transportation Conformity Demonstration

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

Publication Number: 26106

Date Published: September 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 *Update: Connections 2050* Long-Range Plan, 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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