



## MEMORANDUM

**To:** Tier II Committee

**From:** CMAP Staff

**Date:** November 30, 2023

**Subject:** Motor Vehicle Emissions Budget (MVEB)

**Purpose:** A new Motor Vehicle Emissions Budget for the 2015 Ozone Nonattainment area in Northeast Illinois is being proposed.

**Action Requested:** Approval of the Motor Vehicle Emissions Budget

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Motor Vehicle Emissions Budgets that are currently in use for the Northeastern Illinois Ozone nonattainment area are derived from the 1997 and 2008 Ozone maintenance State Improvement Plan (SIP). IEPA is in the process of revising the 2015 Ozone SIP. Part of that process includes developing a new Motor Vehicle Emissions Budget. Shown below is the current MVEB and the purposed new MVEB.

Table 1

| Year | Current (Tons/day) |        | Proposed (Tons/Day) |        | Change |       |
|------|--------------------|--------|---------------------|--------|--------|-------|
|      | VOM                | NOx    | VOM                 | NOx    | VOM    | NOx   |
| 2025 | 60.13              | 150.27 | 52.47               | 163.78 | -7.66  | 13.51 |
| 2030 | 60.13              | 150.27 | 52.47               | 163.78 | -7.66  | 13.51 |
| 2035 | 65                 | 110    | 52.47               | 163.78 | -12.53 | 53.78 |
| 2040 | 65                 | 110    | 52.47               | 163.78 | -12.53 | 53.78 |
| 2050 | 65                 | 110    | 52.47               | 163.78 | -12.53 | 53.78 |

\*If the contingency measure is required the MVEB for NOx would be 150.90

Table 2

| Year | Proposed (Tons/Day) |        | Current Conformity Results |        | Over/under MVEB |       |
|------|---------------------|--------|----------------------------|--------|-----------------|-------|
|      | VOM                 | NOx    | VOM                        | NOx    | VOM             | NOx   |
| 2025 | 52.47               | 163.78 | 42.57                      | 129.30 | 9.90            | 34.48 |
| 2030 | 52.47               | 163.78 | 37.01                      | 104.82 | 15.46           | 58.96 |
| 2035 | 52.47               | 163.78 | 32.70                      | 92.14  | 19.77           | 71.64 |
| 2040 | 52.47               | 163.78 | 29.94                      | 95.45  | 22.53           | 68.33 |
| 2050 | 52.47               | 163.78 | 28.65                      | 102.96 | 23.82           | 60.82 |