

**Appendix F: Moves Emissions Summary Spreadsheets**

## County-Level Emissions

| countyID | countyName         | 2026_kg_NOx | 2035_kg_NOx | 2045_kg_NOx | 2026_kg_VOC | 2035_kg_VOC | 2045_kg_VOC |
|----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 37097    | Iredell County     | 884.259     | 505.658     | 466.761     | 735.2       | 477.879     | 446.491     |
| 37119    | Mecklenburg County | 6535.54     | 4478.83     | 4512.5      | 6178.1      | 4683.37     | 4713.35     |
| 37179    | Union County       | 1534.8      | 885.924     | 855.406     | 1595.6      | 1133.3      | 1124.62     |
| 37025    | Cabarrus County    | 1835.87     | 1101.57     | 1056.53     | 1794.48     | 1342.94     | 1331.24     |
| 37159    | Rowan County       | 1558.58     | 795.352     | 680.105     | 1359.41     | 859.986     | 745.856     |
| 37071    | Gaston County      | 1811.13     | 972.942     | 863.011     | 1597.72     | 1053.82     | 934.722     |
| 37109    | Lincoln County     | 767.375     | 399.472     | 352.452     | 793.127     | 538.545     | 503.569     |

| Emission values rounded to the nearest kg |                    |             |             |             |             |             |             |
|---|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| countyID                                  | countyName         | 2026_kg_NOx | 2035_kg_NOx | 2045_kg_NOx | 2026_kg_VOC | 2035_kg_VOC | 2045_kg_VOC |
| 37097                                     | Iredell County     | 884         | 506         | 467         | 735         | 478         | 446         |
| 37119                                     | Mecklenburg County | 6536        | 4479        | 4513        | 6178        | 4683        | 4713        |
| 37179                                     | Union County       | 1535        | 886         | 855         | 1596        | 1133        | 1125        |
| 37025                                     | Cabarrus County    | 1836        | 1102        | 1057        | 1794        | 1343        | 1331        |
| 37159                                     | Rowan County       | 1559        | 795         | 680         | 1359        | 860         | 746         |
| 37071                                     | Gaston County      | 1811        | 973         | 863         | 1598        | 1054        | 935         |
| 37109                                     | Lincoln County     | 767         | 399         | 352         | 793         | 539         | 504         |

| <b>Charlotte Regional TPO / Rocky River RPO</b> |                  |                                    |   |   |   |                                  |  |
|---|------------------|------------------------------------|---|---|---|----------------------------------|--|
| <b>Year</b>                                     | <b>Pollutant</b> | <b>Mecklenburg County (kg/day)</b> | <b>Union County Nonattainment Area (kg/day)</b> | <b>Iredell County Nonattainment Area (kg/day)</b> | <b>Charlotte Regional TPO/ Rocky River RPO Total (kg/day)</b> | <b>Emissions Budget (kg/day)</b> | <b>Comparison to Budget (negative indicates under budget) kg/day</b> |
| 2026  | NOX              | 6,536                              | 1,535   | 884   | 8,955   | 9,946                            | -991   |
| 2035  | NOX              | 4,479                              | 886   | 506   | 5,871   | 9,946                            | -4,075   |
| 2045  | NOX              | 4,513                              | 855   | 467   | 5,835   | 9,946                            | -4,111   |
| 2026  | VOC              | 6,178                              | 1,596   | 735   | 8,509   | 9,690                            | -1,181   |
| 2035  | VOC              | 4,683                              | 1,133   | 478   | 6,294   | 9,690                            | -3,396   |
| 2045  | VOC              | 4,713                              | 1,125   | 446   | 6,284   | 9,690                            | -3,406   |

| <b>Cabarrus-Rowan MPO</b> |                  |  |   |  |                                  |  |
|---------------------------|------------------|--|---|--|----------------------------------|--|
| <b>Year</b>               | <b>Pollutant</b> | <b>Cabarrus County Nonattainment Area (kg/day)</b> | <b>Rowan County Nonattainment Area (kg/day)</b> | <b>Cabarrus-Rowan MPO Total (kg/day)</b> | <b>Emissions Budget (kg/day)</b> | <b>Comparison to Budget (negative indicates under budget) kg/day</b> |
| 2026                      | NOX              | 1,836  | 1,559   | 3,395                                    | 3,749                            | -354   |
| 2035                      | NOX              | 1,102  | 795   | 1,897                                    | 3,749                            | -1,852   |
| 2045                      | NOX              | 1,057  | 680   | 1,737                                    | 3,749                            | -2,012   |
| 2026                      | VOC              | 1,794  | 1,359   | 3,153                                    | 3,762                            | -609   |
| 2035                      | VOC              | 1,343  | 860   | 2,203                                    | 3,762                            | -1,559   |
| 2045                      | VOC              | 1,331  | 746   | 2,077                                    | 3,762                            | -1,685   |

| <b>Gaston-Lincoln-Cleveland MPO</b> |                  |  |   |  |                                  |  |
|-------------------------------------|------------------|--|---|--|----------------------------------|--|
| <b>Year</b>                         | <b>Pollutant</b> | <b>Gaston County Nonattainment Area (kg/day)</b> | <b>Lincoln County Nonattainment Area (kg/day)</b> | <b>Gaston-Lincoln-Cleveland MPO Total (kg/day)</b> | <b>Emissions Budget (kg/day)</b> | <b>Comparison to Budget (negative indicates under budget) kg/day</b> |
| 2026                                | NOX              | 1,811  | 767   | 2,578  | 2,996                            | -418   |
| 2035                                | NOX              | 973  | 399   | 1,372  | 2,996                            | -1,624   |
| 2045                                | NOX              | 863  | 352   | 1,215  | 2,996                            | -1,781   |
| 2026                                | VOC              | 1,598  | 793   | 2,391  | 2,755                            | -364   |
| 2035                                | VOC              | 1,054  | 539   | 1,593  | 2,755                            | -1,162   |
| 2045                                | VOC              | 935  | 504   | 1,439  | 2,755                            | -1,316   |