RSA Measures

1.1: Reduce Vehicle Miles Traveled
1.2 Increase Alternative Fuel Vehicles and Infrastructure
   a. Alternative Fuel Vehicle Adoption Rate
   b. Alternative Fuel Vehicle Stations
1.3 Increase local Renewable Energy Generating Capacity
1.4: Reduce per capita energy consumption across all sectors
   a. Reduce per capita Residential Energy Consumption
   b. Reduce per capita Commercial and Industrial Energy Consumption
1.5 Reduce Regional Greenhouse Gas Emissions
1.6 Increase the number of days with good Air Quality
   a. Percentage of good air quality days OZONE
   b. Percentage of good air quality days PM-2.5
2.1 Reduce the amount of municipal solid waste per capita disposed in the landfill
2.2 Reduce per capita Water Consumption
2.3 Improve water quality in Central Ohio Watersheds
2.4 Increase the amount of land devoted to natural areas and ecosystem services
2.5 Reduce the conversion rate of nationally significant farmland

3.1: Improve transportation safety for all residents
   a. Reduce the number of fatalities from crashes
   b. Reduce the number of serious injuries from crashes
   c. Reduce the number of non-motorized casualties
3.2: Prioritize infrastructure development which supports multi-modal transportation options for all users
   a. Reduce the percentage of commuters driving alone
   b. Increase the percentage of commuters riding transit, bicycle, or walking
3.3 Increase access to parks and regional trails
   a. Percent of Population near Central Ohio Greenways
   b. Percent of Population Near Parks
3.4 Reduce household energy cost burden
3.5 Reduce the rate of elevated blood lead levels among children
4.1 Increase the number of businesses with established sustainability policies and practices
4.2: Maximize infill and redevelopment along existing infrastructure: Percentage of Development within Incorporated Areas
4.3 Increase availability of affordable housing options near transit or job centers
4.4: Increase employment in green jobs
1.1: Reduce vehicle miles traveled

**ANNUAL AVERAGE VMT PER CAPITA***
15-COUNTY REGION

<table>
<thead>
<tr>
<th>Year</th>
<th>VMT (VMT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>10,072</td>
</tr>
<tr>
<td>2011</td>
<td>10,178</td>
</tr>
<tr>
<td>2012</td>
<td>9,672</td>
</tr>
<tr>
<td>2013</td>
<td>9,755</td>
</tr>
<tr>
<td>2014</td>
<td>9,100</td>
</tr>
<tr>
<td>2015</td>
<td>9,300</td>
</tr>
<tr>
<td>2016</td>
<td>9,500</td>
</tr>
<tr>
<td>2017</td>
<td>9,700</td>
</tr>
<tr>
<td>2018</td>
<td>9,900</td>
</tr>
</tbody>
</table>

**DATA SOURCE:** Ohio Department of Transportation

*SHARED METRIC IN THE METROPOLITAN TRANSPORTATION PLAN

**GOAL 1**

**IMPROVE AIR QUALITY**

5% Reduction by 2025
1.2.a Increase alternative fuel vehicles and infrastructure

PERCENT NEW ALTERNATIVE FUEL VEHICLE REGISTRATIONS
15-COUNTY REGION

Total: 1830
% New Vehicle Registrations: 1.1%

DATA SOURCE: HNTB

Goal 1
Improve Air Quality

AFV of new cars purchased by 2025

PHEV (Plug-in Hybrid Electric Vehicle)
BEV (Battery Electric Vehicle)
Compressed Natural Gas (CNG)
Total

GOAL 1
IMPROVE AIR QUALITY
1.2.b Increase alternative fuel vehicles and infrastructure

NUMBER OF ALTERNATIVE FUEL VEHICLE CHARGING STATIONS
15-COUNTY REGION

DATA SOURCE: U.S. Department of Energy

GOAL 1
IMPROVE AIR QUALITY
1.3 Increase local renewable energy generating capacity

Non-utility scale interconnected wind and solar renewable energy maximum generating capacity (kWh)
15-county region

- Total clean-renewable 2021*: 59,317
- GOAL 1: Improve air quality

Data source: PUCO

- Increase local renewable energy generating capacity
- >128,800 kWh clean-renewable by 2026
1.4: Reduce per capita energy consumption across all sectors

PER CAPITA ENERGY CONSUMPTION (MILLION BTUs)
15-COUNTY REGION

DATA SOURCE:
Various sources compiled by MORPC

<218 mBTUs
5% Reduction by 2025
1.5 Reduce regional greenhouse gas emissions

ANNUAL MORPC CO2 EMISSIONS FROM ENERGY AND FUEL CONSUMPTION (metric tons)
15-COUNTY REGION

DATA SOURCE: EIA & Census

GOAL 1
IMPROVE AIR QUALITY
1.6.a Increase the number of days with good air quality

NUMBER OF DAYS EXCEEDING ALLOWABLE LIMIT FOR OZONE
15-COUNTY REGION

DATA SOURCE:
EPA: AirNow

GOAL 1
IMPROVE AIR QUALITY

0 days
Unhealthy for sensitive groups or higher by 2025
1.6.b Increase the number of days with good air quality

**GOAL 1**

**IMPROVE AIR QUALITY**

**DATA SOURCE:**
EPA: AirNow

**NUMBER OF DAYS EXCEEDING ALLOWABLE LIMIT FOR FINE PARTICULATE MATTER (PM-2.5)**

15-COUNTY REGION

- **Unhealthy for sensitive groups**
- **Unhealthy**
- **Very unhealthy**
- **Hazardous**

0 days*

Unhealthy for sensitive groups or higher by 2025
2.1 Reduce the amount of municipal solid waste per capita disposed in the landfill

DATA SOURCE:
Ohio EPA, U.S. Census Bureau

< 4 lbs. per person per day by 2025
2.2 Reduce per capita water consumption

**DATA SOURCE:**
Ohio EPA, U.S. Census Bureau

**WATER CONSUMPTION PER CAPITA PER DAY (gallons)**
15-COUNTY REGION

- 2010: 88.5
- 2011: 101.4
- 2012: 101.6
- 2013: 98.5
- 2014: 97.9
- 2015: 95.7
- 2016: 95.1
- 2017: 93.1
- 2018: 92.7
- 2019: 95.3
- 2020: 94.2

**GOAL 2**
PROTECT NATURAL RESOURCES

- 2025 goal: <90 gallons per person per day
2.3 Improve water quality in Central Ohio watersheds

PERCENT OF SAMPLING SITES IN ATTAINMENT FOR AQUATIC LIFE
UPPER SCIOTO WATERSHED

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>61.39%</td>
</tr>
<tr>
<td>2018</td>
<td>62.14%</td>
</tr>
<tr>
<td>2020</td>
<td>62.14%</td>
</tr>
</tbody>
</table>

DATA SOURCE: Ohio EPA

GOAL 2
PROTECT NATURAL RESOURCES

>85%
In Attainment for Aquatic Life
2.4 Increase the amount of land devoted to natural areas and ecosystem services

ACRES OF LAND ACQUIRED USING THE CLEAN OHIO FUND (3-year average)
15-COUNTY REGION

DATA SOURCE: Clean Ohio Fund

Goals:
- PROTECT NATURAL RESOURCES

- >1,000 Acres of land acquired (3-year average)
2.5 Reduce the conversion rate of nationally significant farmland

Agriculture land use – 3-Year average

Maintain or reduce the 1.1% average reduction

DATA SOURCE:
USDA: National Agricultural Statistics Service, Quick Stats
3.1.a: Improve transportation safety for all residents

NUMBER OF FATALITIES FROM CRASHES (5-YEAR AVERAGE, PER 100 MILLION VMT)*
MPO AREA

DATA SOURCE:
Ohio Department of Transportation

*SHARED METRIC IN THE METROPOLITAN TRANSPORATION PLAN
3.1.b: Improve transportation safety for all residents

NUMBER OF SERIOUS INJURIES FROM CRASHES (5-YEAR AVERAGE, PER 100 MILLION VMT)*
MPO AREA

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Serious Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>6.4</td>
</tr>
<tr>
<td>2017</td>
<td>6.11</td>
</tr>
<tr>
<td>2018</td>
<td>5.16</td>
</tr>
</tbody>
</table>

<4.8

7% Reduction by 2025

DATA SOURCE: Ohio Department of Transportation

*SHARED METRIC IN THE METROPOLITAN TRANSPORTATION PLAN
3.1.c: Improve transportation safety for all residents

NUMBER OF NON-MOTORIZED FATALITIES AND SERIOUS INJURIES (5-YEAR AVERAGE)*

MPO AREA

<table>
<thead>
<tr>
<th>Year</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatalities</td>
<td>138</td>
<td>145</td>
<td>148</td>
</tr>
</tbody>
</table>

Reduction by 2025: 7%

DATA SOURCE:
Ohio Department of Transportation

*SHARED METRIC IN THE METROPOLITAN TRANSPORTATION PLAN
3.2.a: Prioritize infrastructure development which supports multi-modal transportation options for all users

COMMUTERS DRIVING ALONE (5-YEAR ESTIMATES)*
15-COUNTY REGION

Drive alone by 2025

DATA SOURCE:
U.S. Census Bureau
American Community Survey

*SHARED METRIC IN THE METROPOLITAN TRANSPORATION PLAN
3.2.b: Prioritize infrastructure development which supports multi-modal transportation options for all users

COMMUTERS WALKING, BIKING, OR USING TRANSIT (5-YEAR ESTIMATES)*
15-COUNTY REGION

DATA SOURCE:
U.S. Census Bureau
American Community Survey

GOAL 3
IMPROVE QUALITY OF LIFE

*SHARED METRIC IN THE METROPOLITAN TRANSPORTATION PLAN
3.3.a Increase proximity* to parks and regional trails

Population Total: 2,060,781
Living within ½ mile of COG Trail: 477,433
Percent living within ½ mile of COG Trail: 23.17%

DATA SOURCE: MORPC

GOAL 3
IMPROVE QUALITY OF LIFE

>30%
Population living near COG trails by 2025

PERCENT OF POPULATION NEAR CENTRAL OHIO GREENWAYS
7-COUNTY REGION

Population living near COG trails by 2025

DATA SOURCE: MORPC

GOAL 3
IMPROVE QUALITY OF LIFE
3.3.b Increase proximity* to parks and regional trails

PERCENT OF POPULATION NEAR PARKS (20 acres or larger)
7-COUNTY REGION

Population Total: 2,060,781
Population living near Parks: 1,101,430
Percent living near parks: 53.4%

DATA SOURCE: MORPC

>60%
Population living near parks by 2025

GOAL 3
IMPROVE QUALITY OF LIFE
3.4 Reduce household energy cost burden

PERCENT OF HOUSEHOLDS SPENDING MORE THAN 5% OF INCOME ON ENERGY COSTS
15-COUNTY REGION

DATA SOURCES:
EIA, Bureau of Labor Statistics, U.S. Census Bureau

<20%
Energy Cost Burdened by 2025

GOAL 3
IMPROVE QUALITY OF LIFE
3.5 Reduce the rate of elevated blood lead levels among children

PERCENT OF TESTED KIDS (AGES 0-6) WITH ELEVATED BLOOD LEAD LEVELS
15-COUNTY REGION

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>2.19%</td>
</tr>
<tr>
<td>2017</td>
<td>2.11%</td>
</tr>
<tr>
<td>2018</td>
<td>1.83%</td>
</tr>
<tr>
<td>2019</td>
<td>1.43%</td>
</tr>
<tr>
<td>2020*</td>
<td>1.55%</td>
</tr>
</tbody>
</table>

DATA SOURCE: Ohio Department of Health

<1%
Elevated Blood Lead Levels by 2025

GOAL 3
IMPROVE QUALITY OF LIFE
4.1 Increase the number of businesses with established sustainability policies and practices

NUMBER OF BUSINESSES IN GREENSPOT OR SMART COLUMBUS ACCELERATION PARTNERS 2.0
15-COUNTY REGION

DATA SOURCE:
Columbus GreenSpot,
SMART Columbus Acceleration Partners 2.0
4.2: Maximize infill and redevelopment along existing infrastructure

CUMMULATIVE PERCENTAGE OF RESIDENTIAL BUILDING PERMITS WITHIN INCORPORATED AREAS*
7-COUNTY REGION

80.3%  82.7%  79.5%

DATA SOURCE: MORPC Building Permits

GOAL 4
PROMOTE A ROBUST ECONOMY

Development in incorporated areas by 2025

*SHARED METRIC IN THE METROPOLITAN TRANSPORATION PLAN
4.3 Increase availability of affordable housing options near transit or job centers

NUMBER OF PLACE-BASED SUBSIDIZED HOUSING UNITS NEAR TRANSIT STOPS OR JOB CENTERS
7-COUNTY REGION

Units within ½ mile of transit stops or areas with >4 jobs per acre: 20,495

DATA SOURCE:
National Housing Preservation Database, MORPC
4.4: Increase employment in green jobs

**NUMBER OF GREEN JOBS**
15-COUNTY REGION

- 2019: 22,051
- 2020: 22,356
- 2025: 25,000

**DATA SOURCE:**
Clean Jobs Midwest

5% increase by 2025

**GOAL 4**
PROMOTE A ROBUST ECONOMY