



NORTHEAST OHIO AREAWIDE COORDINATING AGENCY

MEMORANDUM

TO: NOACA Board of Directors

FROM: Grace Gallucci, Executive Director

DATE: June 2, 2017

RE: **Resolution No. 2017-023: AIM Forward 2040 – NOACA Long-Range Transportation Plan**

ACTION REQUESTED

The Board of Directors is asked to adopt AIM Forward 2040 as NOACA's Long-Range Transportation Plan (LRTP).

The External Affairs, Finance and Audit, Planning and Programming, and Policy Committees recommend this action.

BACKGROUND/JUSTIFICATION FOR CURRENT ACTION

NOACA must adopt a new LRTP every four years in order to ensure uninterrupted access to federal transportation dollars for projects within its region. As discussed extensively over the past several years, AIM Forward 2040 was developed to comply with that requirement. FHWA, FTA, and USEPA must issue a finding that transportation conformity with the applicable air quality State Implementation Plans (SIPs) has been achieved by July 1, 2017.

During the month of May, NOACA held public meetings in each of NOACA's five (5) counties to invite public review and comment of AIM Forward 2040 as the final set of extensive public outreach efforts for the new LRTP.

The final draft of AIM Forward 2040 is available on NOACA's website at <http://www.noaca.org/index.aspx?page=7544>.

FINANCIAL IMPACT

AIM Forward 2040 plans for the expenditure of \$15.8 billion during fiscal years 2018 – 2040. The funding for these expenditures is derived from a combination of NOACA, local, state, and federal funds.

CONCLUSION/NEXT STEPS

Pending Board approval, AIM Forward 2040 will guide the region's project development and selection processes for the next four years.

GG/bd/2951b

**RESOLUTION 2017-023
(AIM FORWARD 2040 – NOACA
LONG-RANGE TRANSPORTATION
PLAN)**

Conformity Analysis Results

2008 Daily 8-Hour Ozone Standard

Attainment status: 2008 8-Hour Ozone standard – maintenance area (Federal Register / Vol. 82, No. 4 / Friday, January 6, 2017)
1997 8-Hour Ozone Standard – maintenance area (Federal Register Notice Final Rule 9/15/09)

SIP Status: **Federal Register** /Vol. 78, No. 53 /Tuesday, March 19, 2013 – direct final rule adequacy finding for MOVES based 1997 Ozone standard MVEBs
No submittals required under 2008 8-Hour Ozone standard until approved budgets are received. The budgets found adequate for the 1997 standard will satisfy both 1997 and 2008 tests for the time being per US EPA.

8-Hour Geography: ATB, CUY, GEA, LAK, LOR, MED, POR, SUM Counties, OH

Conformity Tests: 1997 Standard 8-Hour budget tests

Analysis Years: 2015 1st Analysis year (a year in the current TIP)
2020 Interim year
2030 Interim year
2040 Plan(s) horizon year

8-Hour Ozone Test	2020 8-Hour Budget	2020 Emissions	2030 8-Hour Budget	2030 Emissions	2040 Emissions
AMATS					
VOC		6.22		4.20	3.74
NOx		9.37		5.24	4.17
NOACA					
VOC		21.13		13.57	7.57
NOx		26.09		11.71	7.88
Ashtabula Co.					
VOC		0.93		0.58	0.54
NOx		1.56		0.84	0.72
Totals					
VOC	38.85	28.28	30.80	18.35	11.86
NOx	61.56	37.03	43.82	17.80	12.77

**RESOLUTION 2017-023
(AIM FORWARD 2040 – NOACA
LONG-RANGE TRANSPORTATION
PLAN)**

1997 and 2006 Annual PM_{2.5} Standard

Attainment/
SIP Status: **Federal Register** / Vol. 78, No. 144 / Friday, July 26, 2013 – Proposal to redesignate Cleveland Area to attainment for 1997 and 2006 PM_{2.5} Standards – FR notice included an adequacy finding for the MOVES based MVEBs

Geography: CUY, LAK, LOR, MED, POR, & SUM Counties & Ashtabula Twp., ATB County, OH

Conformity Tests: Budget tests

Analysis Years: 2015 PM_{2.5} Budget Year and year in current TIP
2022 PM_{2.5} Budget Year
2030 Interim year
2040 Plan(s) horizon year

PM _{2.5} Test	2015 Budget	2020 Emissions	2022 Budget	2022 Emissions	2030 Emissions	2040 Emission
AMATS						
tons / year						
Direct PM		155.61		133.40	106.37	107.20
NOx		3,189.25		2,730.52	1,864.41	1,657.69
NOACA						
Direct PM		586.88		506.00	367.70	321.49
NOx		13,606.14		11,532.80	6,329.25	4,107.97
Ashtabula Twp.						
Direct PM		2.59		2.19	1.68	1.68
NOx		60.48		50.33	35.26	32.81
Area Totals						
Direct PM	1,371.35	745.08	880.89	641.59	475.75	430.37
NO	35,094.70	16,855.87	17,263.65	14,313.64	8,228.92	5,798.47

Annual PM_{2.5} 2012 Standard

Attainment status: PM_{2.5} Moderate Nonattainment Area (80 FR 2205 / January 14, 2015 – Cuyahoga and Lorain Counties designated moderate nonattainment area for 2012 Standards)

SIP Status: Attainment demonstration not due at this time

Geography: Cuyahoga and Lorain County, OH

Conformity Tests: 1997/2006 SIP Maintenance Plan Budget - CUY & LOR subset - tests

Analysis Years: 2021 Attainment year – 1st Analysis year
2022 Budget year
2030 Interim year
2040 Plan(s) horizon year

PM _{2.5} Test	2015* Budget	2021 Emissions	2022* Budget	2022 Emissions	2030 Emissions	2040 Emissions
NOACA						
Direct PM	659.35	378.36	463.02	376.10	267.11	233.09
NOx	18,202.07	9,119.20	8,957.18	8,463.95	4,544.80	2,888.83
*Cuyahoga and Lorain County budget totals from the 1997/2006 PM _{2.5} SIP Maintenance Plan						

**RESOLUTION 2017-023
(AIM FORWARD 2040 – NOACA
LONG-RANGE TRANSPORTATION
PLAN)**

**RESOLUTION OF THE GOVERNING BOARD OF
THE
NORTHEAST OHIO AREAWIDE COORDINATING AGENCY**

WHEREAS, the Northeast Ohio Areawide Coordinating Agency (NOACA) is the Metropolitan Planning Organization (MPO) for the counties of Cuyahoga, Geauga, Lake, Lorain, and Medina, and the areawide water quality management planning agency for the same region; and

WHEREAS, the Congress of the United States, through law (23 USC §134 and 49 USC §5303), has required that each MPO develop a long-range transportation plan (LRTP); and

WHEREAS, the U.S. Department of Transportation (USDOT), through regulation (23 CFR Parts 450 and 500; 49 CFR Part 613) and guidance, establishes development requirements; and

WHEREAS, the development of the LRTP must meet numerous federal and state requirements in order to ensure continued access to federal financing for transportation projects; and

WHEREAS, *AIM Forward 2040* was developed to be consistent with current planning requirements, and to be consistent with responses from the Board of Directors, Committees, Subcommittees, Advisory Councils, local and state governments, and the public; and

WHEREAS, the NOACA region, in whole or in part, is included in the United States Environmental Protection Agency (USEPA) designated nonattainment areas under the 2008 8-hour ozone standards and the 1997, 2006 and 2012 fine particulate matter standards; and

WHEREAS, the nonattainment areas also include parts of the Erie Regional Planning Commission area, the Akron Metropolitan Area Study area, and Ashtabula County; and

WHEREAS, transportation conformity (40 CFR Part 93) with the applicable air quality State Implementation Plans must be demonstrated for the entirety of the nonattainment areas; and

WHEREAS, the analyses were conducted with the required emission factor model for conformity analyses, MOVES; and

WHEREAS, *AIM Forward 2040* and the LRTPs for the other MPOs, and planned projects in Ashtabula County, meet the transportation conformity requirements as demonstrated in the attached tables; and

WHEREAS, *AIM Forward 2040* has had sufficient public involvement in accordance with the Board of Director's Public Interaction Policy; and

**RESOLUTION 2017-023
(AIM FORWARD 2040 – NOACA
LONG-RANGE TRANSPORTATION
PLAN)**

WHEREAS, the major projects list is fiscally constrained.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Northeast Ohio Areawide Coordinating Agency, consisting of forty-five principal officials serving general purpose local governments throughout and within the counties of Cuyahoga, Geauga, Lake, Lorain, and Medina that:

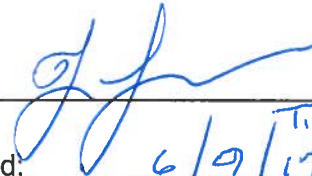
Section 1. *AIM Forward 2040*, in substantial form, as shown as of today's date on the NOACA website, www.NOACA.org, is adopted as NOACA's long-range transportation plan.

Section 2. The Executive Director is authorized to transmit certified copies of this resolution to appropriate federal, state, and local agencies.

Certified to be a true copy of a Resolution of the Board of Directors of the Northeast Ohio Areawide Coordinating Agency adopted this 9th day of June 2017.

Secretary: _____

Date Signed: _____


Timothy C. Lennon
6/9/17