



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Air Quality Division

April 30, 2019

Jay Olaguer – Assistant Division Director

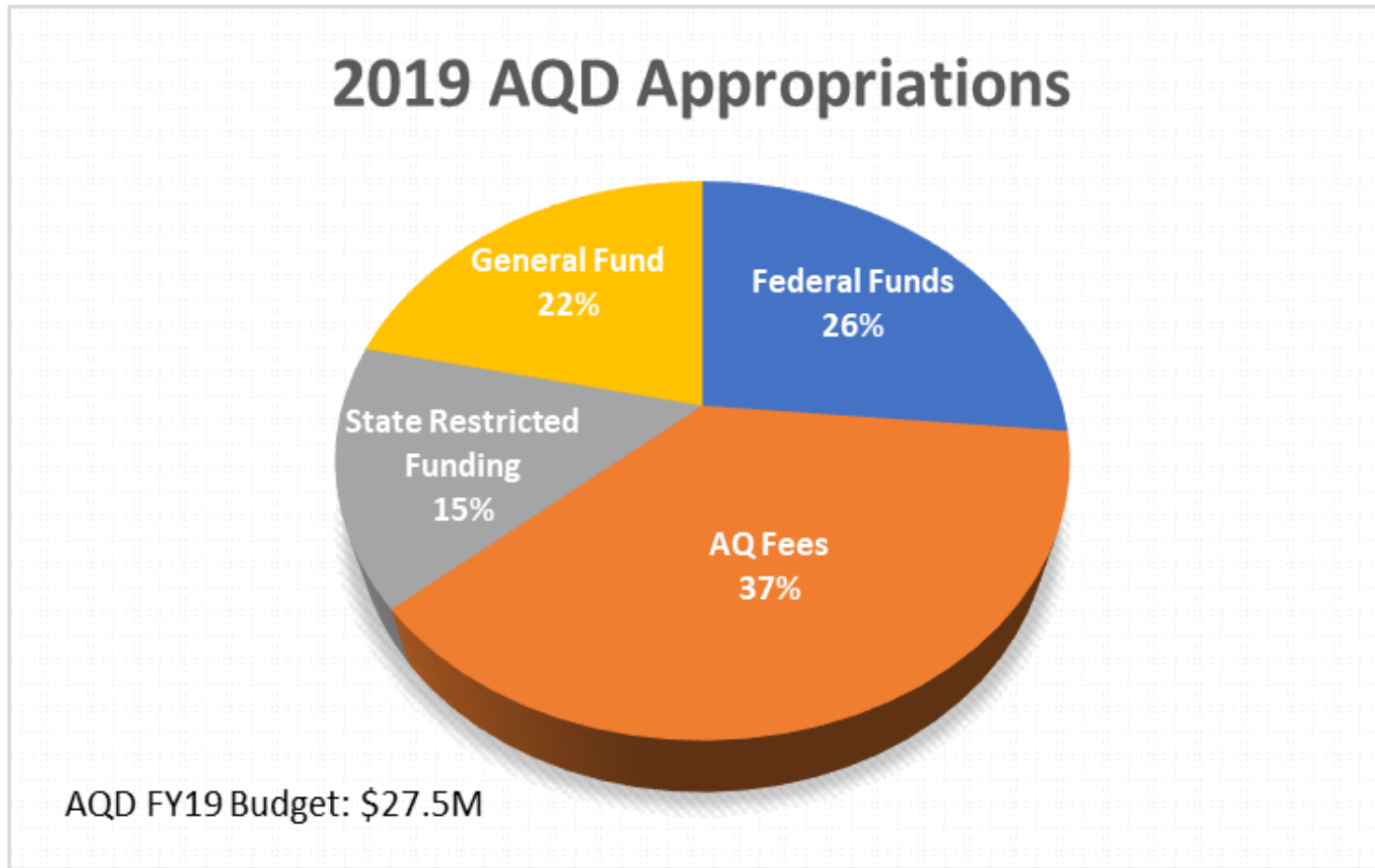
The Air Quality Division Staff Goals

- Ensure Michigan's air remains clean
- Protect human health and the environment by regulating sources of air pollution
- Meet & maintain federal & state air quality standards using the best available technology & cost-effective controls
- Limit emissions of hazardous & toxic pollutants
- Keep the public informed about air quality conditions

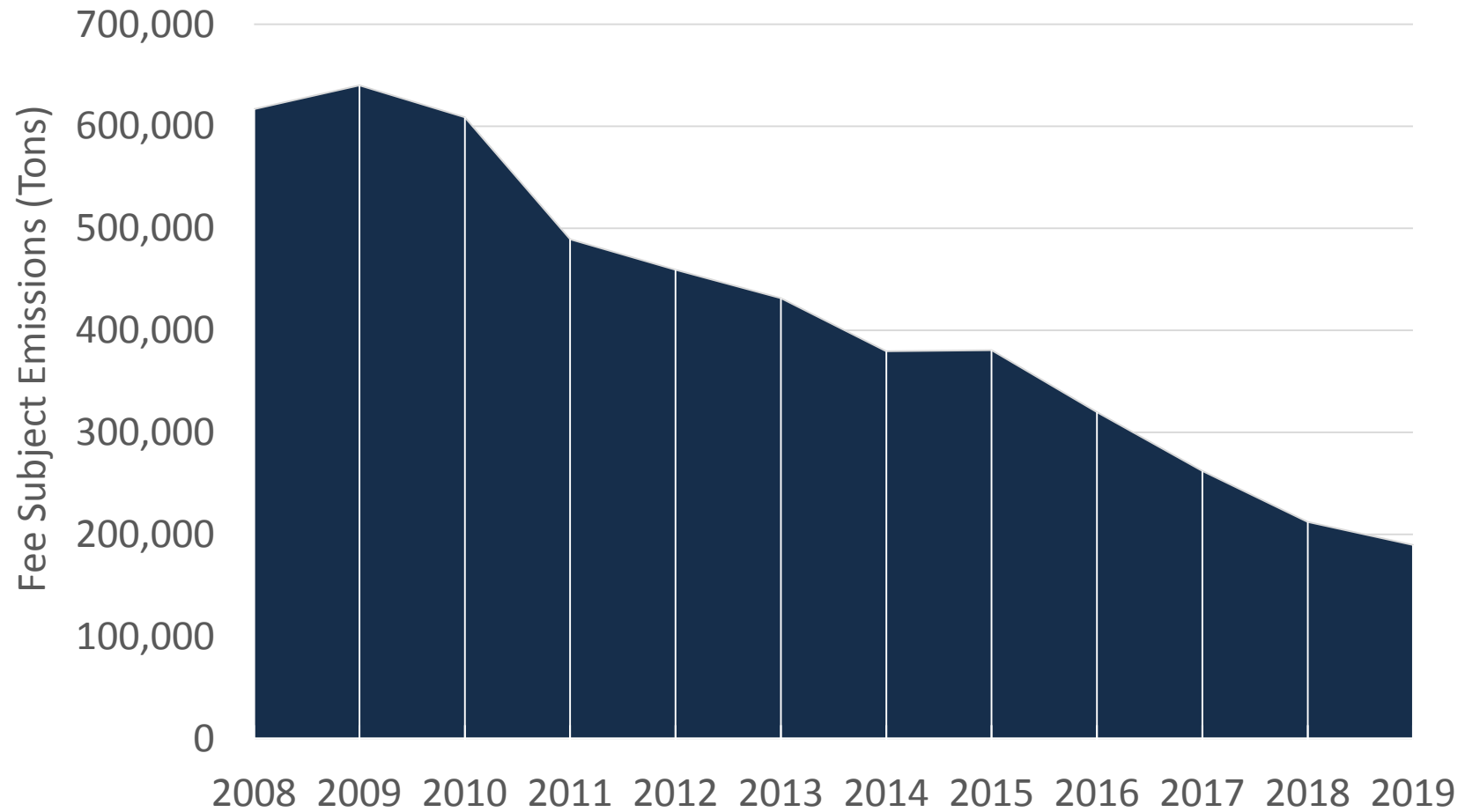
2018 AQD Accomplishments

- FTE = 183
- Air complaints received and resolved = 1145
- Pre-construction permit actions = 589
- Renewable Operating Permit actions = 66
- Monitored outdoor air at 48 sites, with over 100 monitors
- Emission reports received from industry = 1685
- Counties complying with air standards = 89%
- Asbestos removal notifications received = 69000
- Asbestos inspections completed = 1369
- Violation notices issued = 469
- Enforcement cases = 28

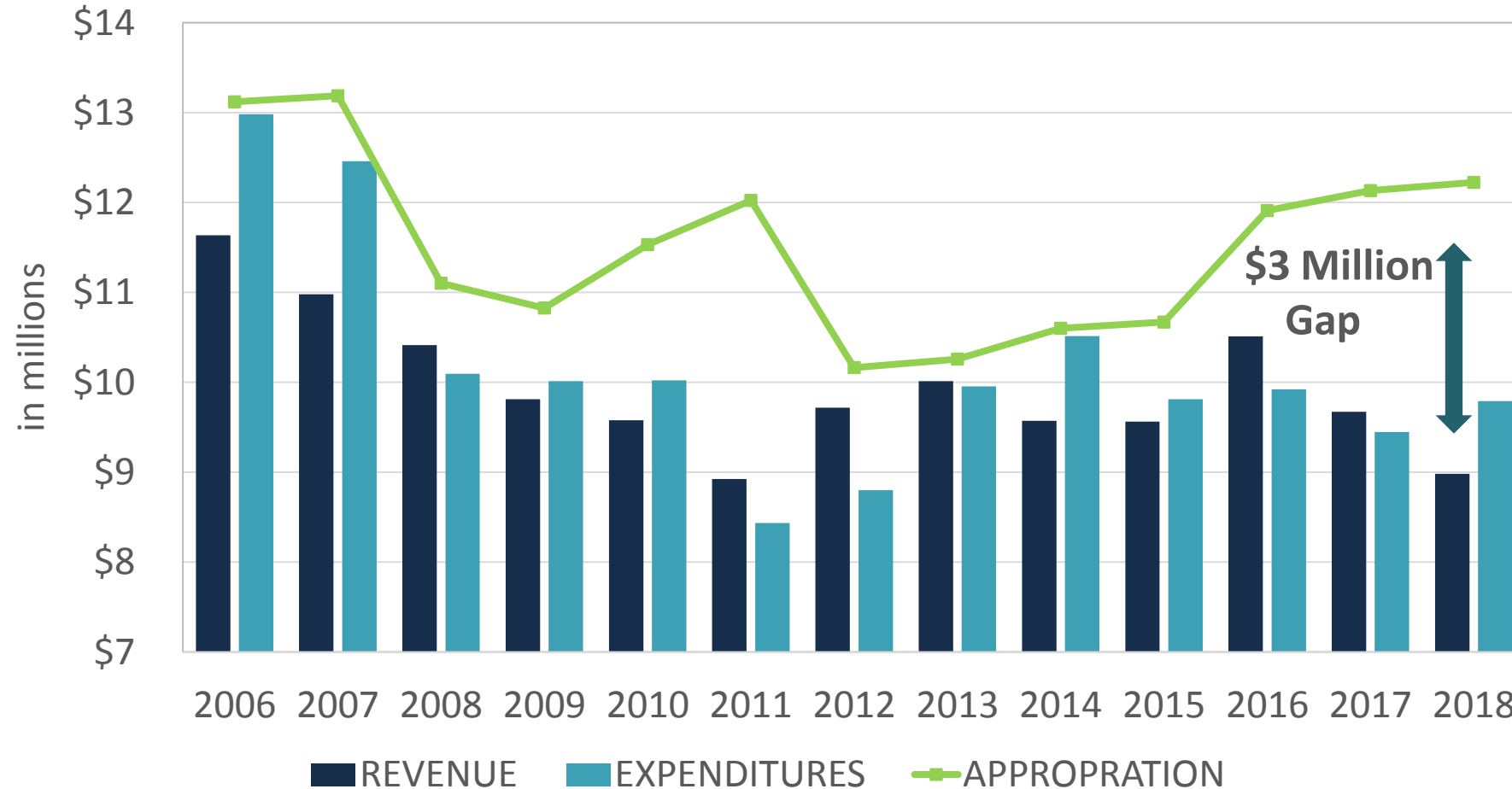
AQD Overview – Funding Sources



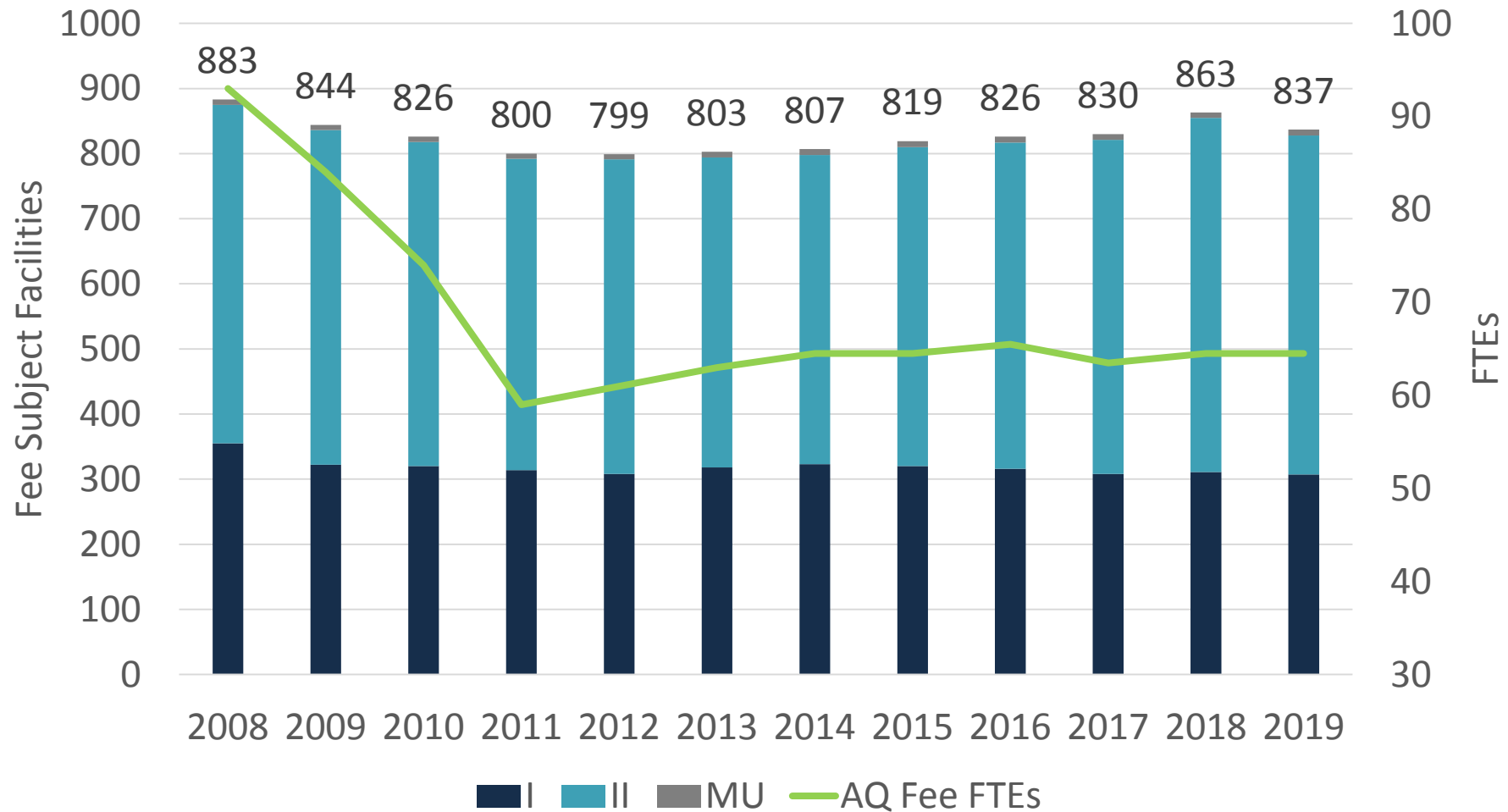
Air Emissions Declining



Air Emissions Fee



Historical Staffing Trend



Information Technology

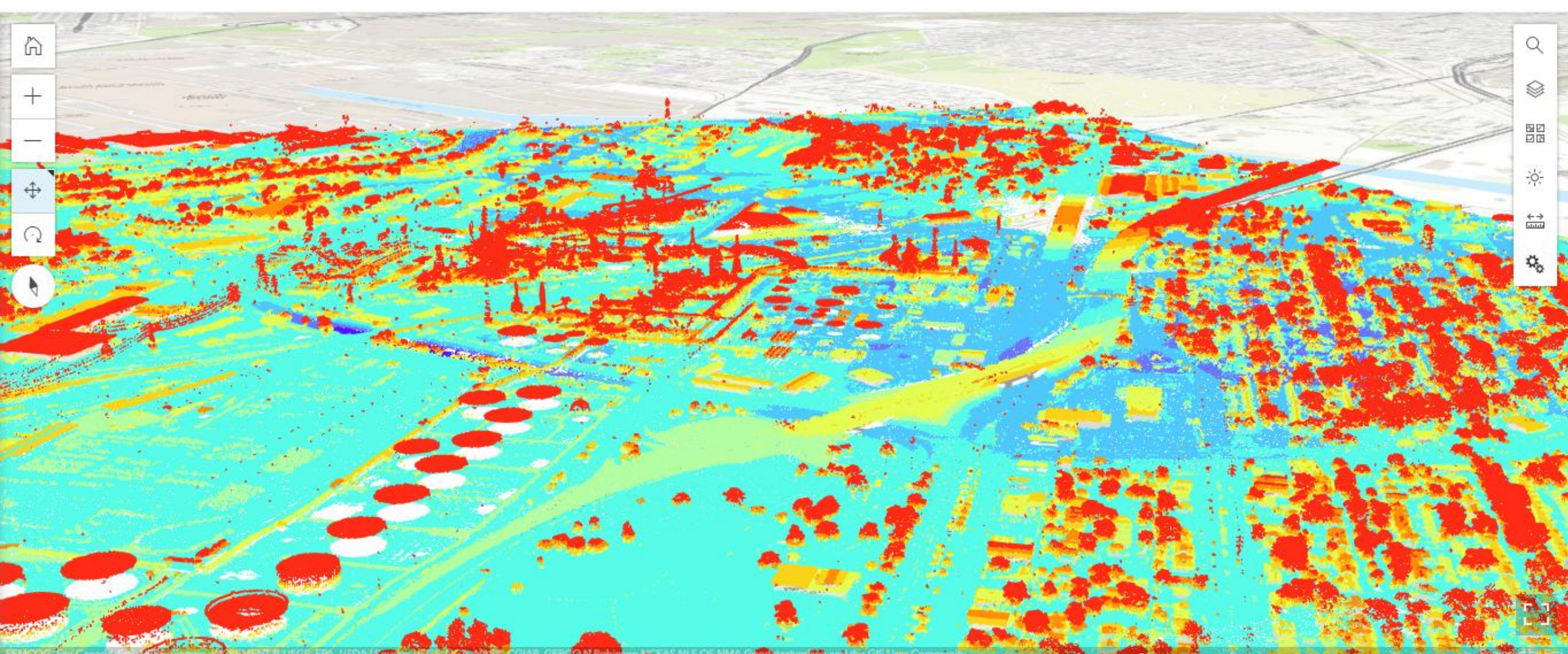
- DTMB Information Technology Investment Fund (ITIF)
- Two projects selected for funding
 - Air quality program \$8.1 million
 - Water program \$1.7 million
- Projects modernize legacy systems and enhance service delivery



Information Technology for Air

- Michigan Air Reporting and Information System (MARIS)
- Consolidates 8 existing systems
- Enhances electronic communication with industry
- Creates public portal for data transparency





Nonattainment Areas

LEGEND



Sulfur Dioxide
Nonattainment Area



Ozone
Nonattainment Area

Muskegon,
Allegan, &
Berrien counties



4th Highest Monitored Ozone Concentrations in Southeast Michigan During 2018



Possible Progression of the Ozone Attainment Process

- Ozone Design Value (3-yr average of 4th highest 8-hr concentrations at each monitoring site) must not exceed 70 ppb to attain O₃ National Ambient Air Quality Standard (NAAQS).
- All Michigan non-attainment areas currently designated as Marginal.
- Change in attainment status possible in 2021 based on Design Values computed from monitored concentrations in 2018, 2019, and 2020.
- If attainment not achieved by 2021, an area will be “bumped up” to Moderate Non-attainment, which will require:
 - Vehicle Inspection and Maintenance (I/M)
 - Stage 2 gasoline vapor recovery
 - Increased offsets (1.15:1 ratio instead of 1.1:1)
 - Reasonable Available Control Technology (RACT) for VOCs and NO_x
 - 15% VOC Reasonable Further Progress (RFP) reductions
- An attainment demonstration must also be delivered by around 2023, to show ozone attainment by 2024.

Questions



Michigan Department of
Environment, Great Lakes, and Energy

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