ON TO 2050

Using CMAQ Funds to Support Clean Diesel Projects in Chicago Area

Talking Freight

June 20, 2018

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CMAQ in Northeastern IL

- Projects programmed by the MPO Policy Committee
  - CMAQ Project Selection Committee (PSC)
    - CMAP
    - IDOT
    - IL EPA
    - RTA (Transit)
    - Counties
    - Chicago
    - Council of Mayors
- PSC is charged with monitoring and making adjustments
- Funds process through
  - Highway and Other = IDOT
  - Transit = FTA
- NE IL receives $106M per year
- 80/20 Federal/Non-federal split (65/35 w/ private)

Project Types

- Transit Service/Capital
- Traffic Flow Improvements
- Bicycle Facilities
- Other/Demonstration
- **Direct Emissions Reduction**

Direct Emissions Reduction

- Switcher and Short-haul Locomotive Retrofit/Replacement
- Commuter Rail Locomotive Retrofit/Replacement
- Electric Transit Bus Replacements
- School Bus Retrofits
- CNG Trash Haulers
- Electric Delivery Trucks and Cabs
- Alternative Fuel Facilities
- Public Fleet Conversions

Switcher Locomotive Replace/Retrofit

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Drive Clean Chicago

Drive Clean **Truck**

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CNG Refuse Haulers

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Cost Effectiveness of Emissions Reduction

Direct Emissions Reduction

- Use Total Cost of the Project
- Estimate emissions
  - US EPA Diesel Emissions Quantifier
  - Argonne National Laboratory GREET (Greenhouse gases, Regulated Emissions, and Energy use in Transportation)
- $ per kilogram of $PM_{2.5}$ eliminated

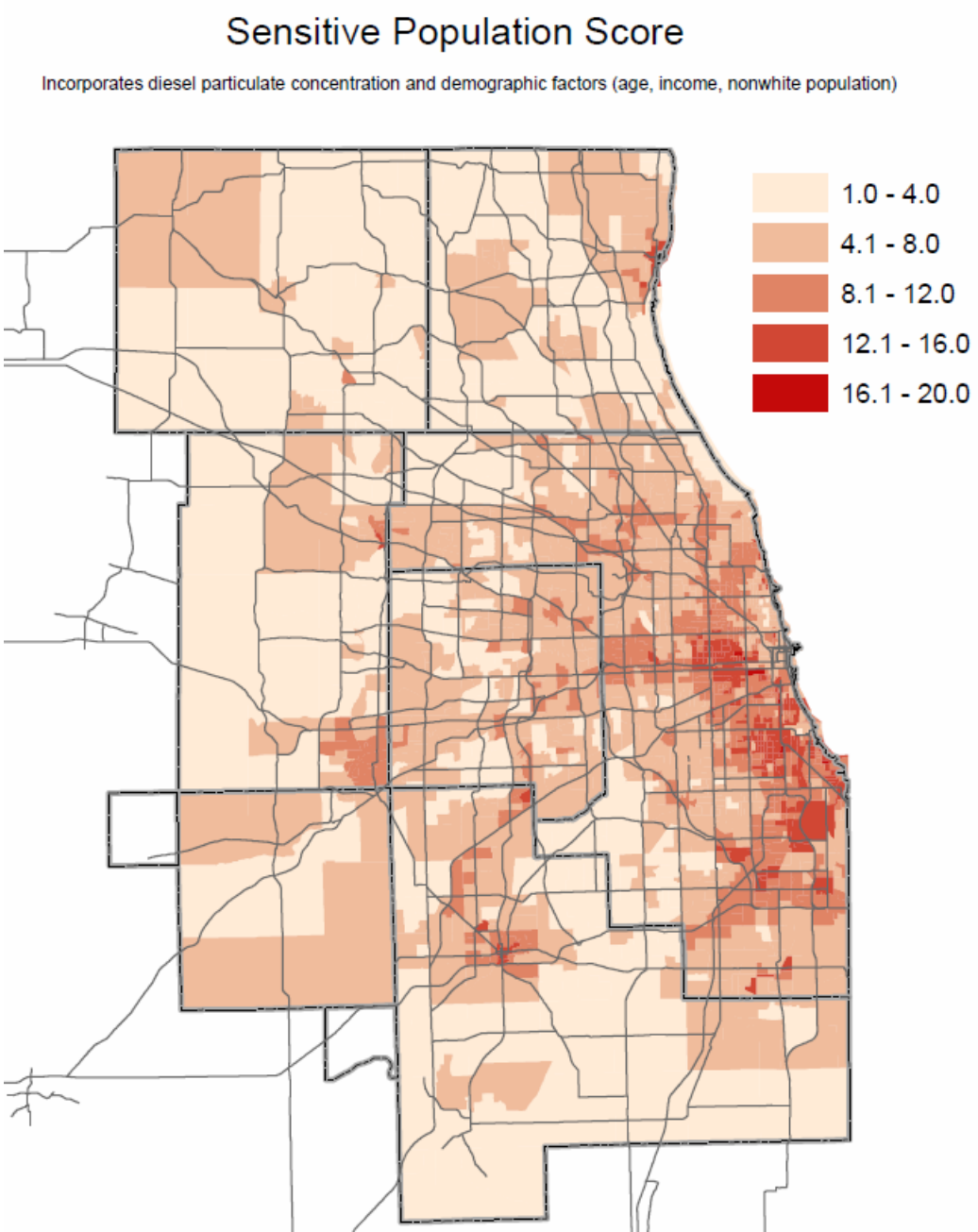
Transportation Impact Criteria

- Benefits to Sensitive Populations (20 points)
- Annual Health Benefits (5 points)
- Improves Public Fleets (5 points)

Benefits to Sensitive Populations

- Direct Emissions Reduction projects only
- Index based relative proportions of person in a census tracts with high concentrations of PM emissions
  - Over 65, Under 5, Minority, Low-income

Sensitive Populations



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