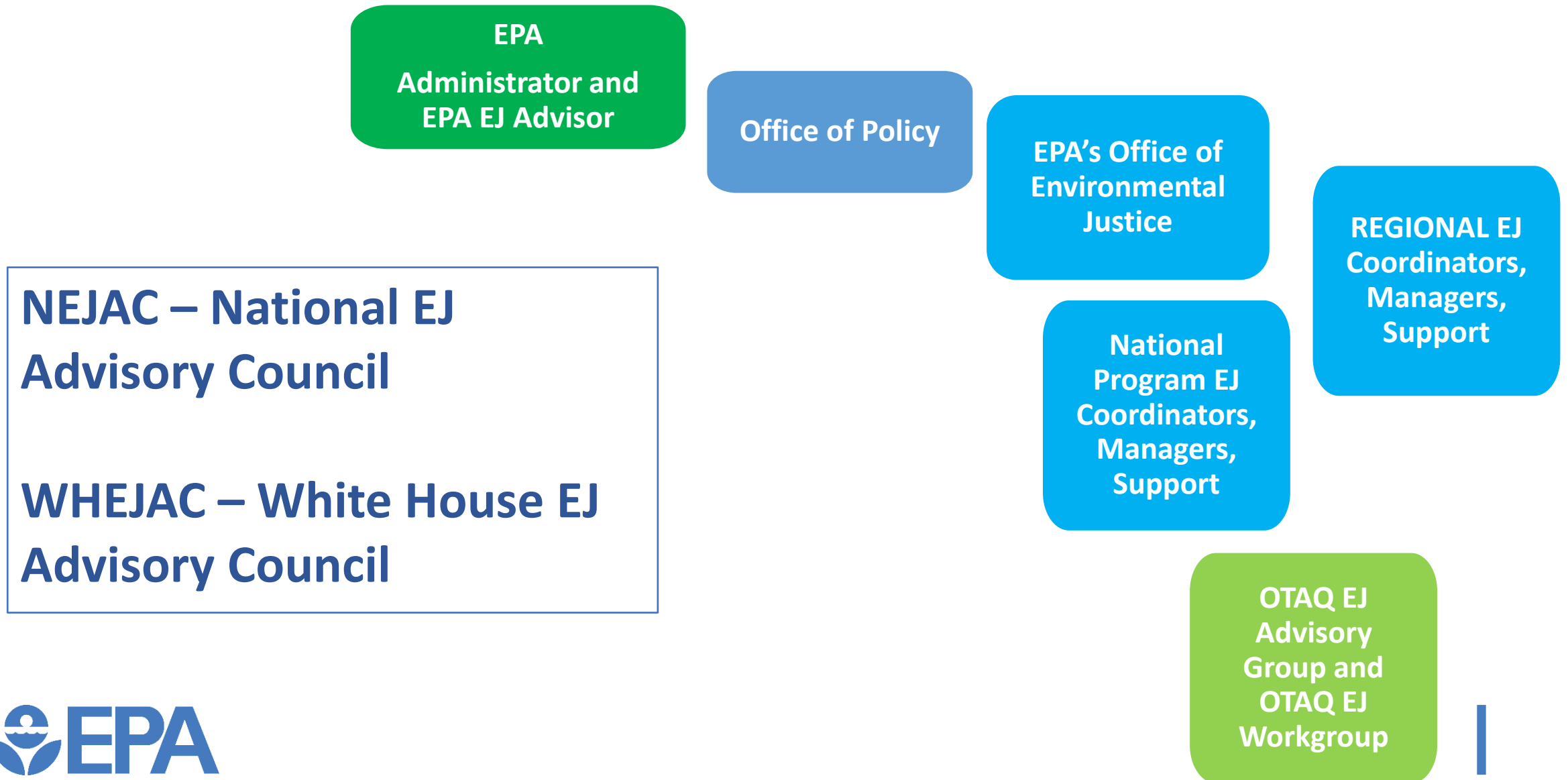




Environmental Justice in EPA's Office of Transportation and Air Quality

EJ Structure at EPA



Executive Order on Tackling the Climate Crisis at Home and Abroad

JANUARY 27, 2021 • PRESIDENTIAL ACTIONS

- White House Environmental Justice Interagency Council and White House Environmental Justice Advisory Council
- Climate and Economic Justice Screening Tool
- Justice40 Initiative – 40% of relevant federal benefits flow to disadvantaged communities

- Equity assessment and action plans to address unequal barriers to opportunity in agency policies and programs
- Equitable allocation of federal resources to empower and invest in communities of color and other underserved communities
- Equitable Data Working Group
- Engagement with communities who have been historically underrepresented, underserved, and harmed by federal policies

Executive Order On Advancing Racial Equity and Support for Underserved Communities Through the Federal Government

JANUARY 20, 2021 • PRESIDENTIAL ACTIONS



EJ in the Rulemaking Process

Executive Order 12898 (1994): Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations

- Identify and address the disproportionately high and adverse human health or environmental effects of their actions on minority and low-income populations, to the greatest extent practicable and permitted by law.
- Develop a strategy for implementing environmental justice.
- Promote nondiscrimination in federal programs that affect human health and the environment, as well as provide minority and low-income communities access to public information and public participation.



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3. Environmental Justice

Executive Orders 12898 (59 FR 7629, February 16, 1994) and 14008 (86 FR 7619, February 1, 2021) direct federal agencies, to the greatest extent practicable and permitted by law, to make achieving environmental justice (EJ) part of their mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of their programs, policies, and activities on minority populations and low-income populations in the United States. Section III.G discusses these executive orders in greater detail, along with the potential environmental justice concerns associated with exposure to aircraft PM near airports. EPA defines environmental justice as the fair

EJ Case Study: Heavy Duty 2027 Proposal

- Meaningful engagement with EJ stakeholders:
 - Leadership and staff meetings with EJ stakeholders and frontline communities early and often during the rulemaking development process
 - Post-proposal outreach and engagement to encourage EJ input on the rulemaking

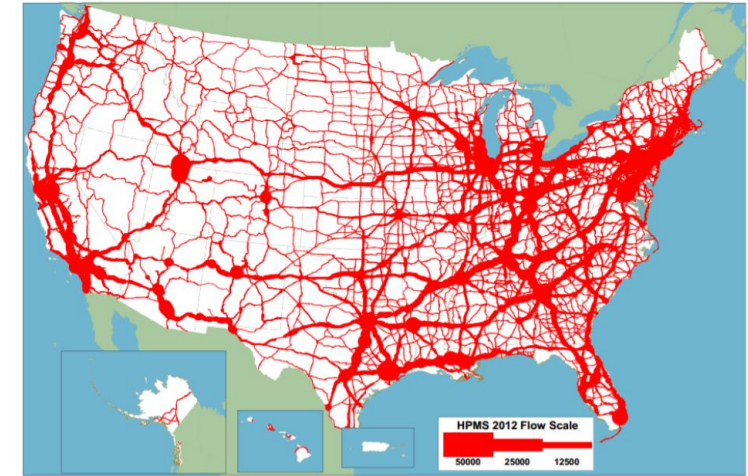


EJ Case Study: Heavy Duty 2027 Proposal

EJ Analysis

Approach

- Synthesis of literature and existing data to characterize baseline
- Baseline analysis: Demographics of populations living near truck routes
- Analysis of proposal: Distribution of ozone and PM in the baseline and in the control case



Findings

- Race and income are both important factors determining the likelihood of living near truck routes, even when controlling other factors
 - About 72 million people live within 200 meters of a truck route
 - More likely to be people of color and have lower incomes
- The biggest improvements in both ozone and PM_{2.5} are estimated to occur in areas with the worst baseline air quality, which are disproportionately minority