



Environmental Justice Advisory Board Meeting

Harrisburg, PA

February 13, 2018





Office of Environmental Justice Policy Updates

Internal Policies

Internal Policies

- Environmental Justice Public Participation Policy



EJ Policy – Revisions

Focus → Readability & Organization

Goals → Transparency & Engagement

EJ Policy – Revisions

Census Tracts vs. Block Groups

- Relatively permanent statistical subdivisions of a county, provides a stable set of geographic units for the presentation of statistical data.
- Comprised of 1-9 block groups
- 1,200 to 8,000 individuals
- Smallest geographical unit for which Census publishes statistical data
- Division of tracts
- 600 to 3,000 individuals

EJ Policy – Revisions

EJ Census Tracts vs. EJ Block Groups

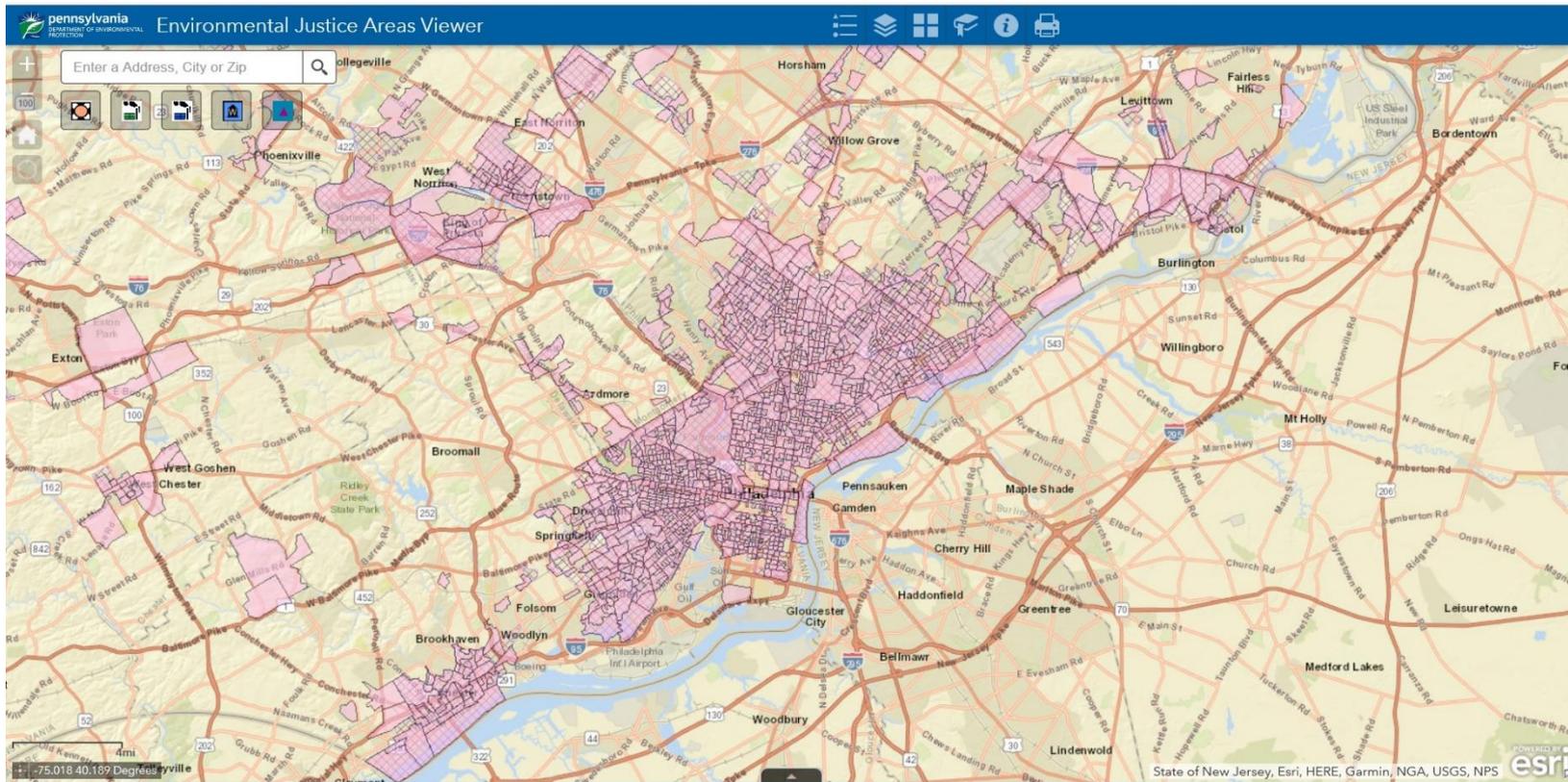
- Total number of tracts/communities – **1,105**
- Total population within those tracts – **3,702,808**
- Percentage of PA population living in EJ tracts– **28.9%**
- Total number of BG/communities – **3,436**
- Total population within those tracts – **4,153,393**
- Percentage of PA population living in EJ tracts– **32.5%**

Total population of PA, according to 2015 census, is 12,791,904.

Going from 20/30 tracts to block groups would equate to a **12% increase** in the population of people living in EJ-designated communities.

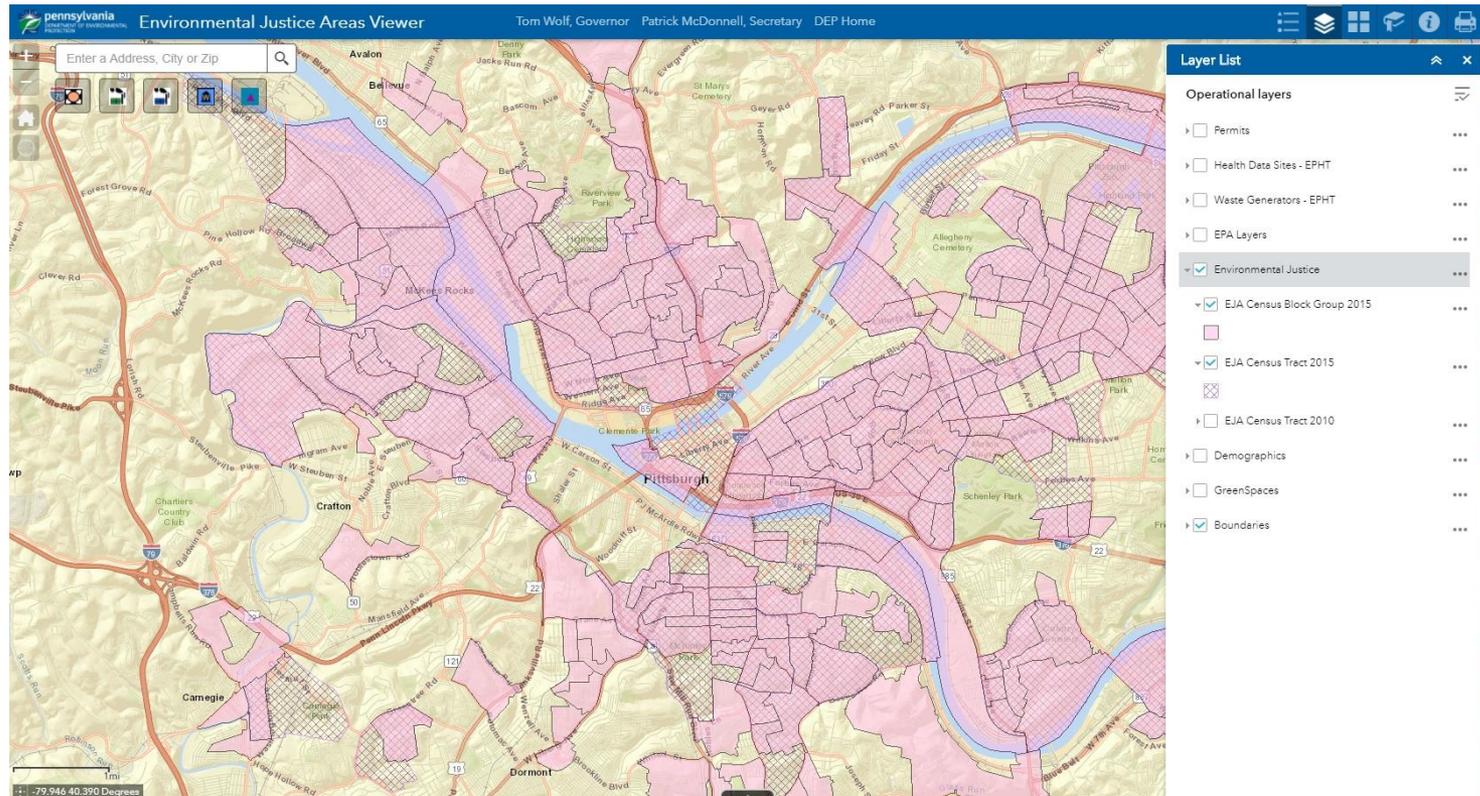
EJ Policy – Revisions

EJ Census Tracts vs. EJ Block Groups



EJ Policy – Revisions

EJ Census Tracts vs. EJ Block Groups



Trigger Permits

Program	Permit Type	Auth Type	Auth Type Description	Appl Type	Facility Type
Waste Management	Hazardous Waste	CBIF	Captive Boiler Industrial Furnace/Incinerator Permit	New/Modif	Boiler Industrial Furnce
Waste Management	Hazardous Waste	CD	Captive Disposal Permit	New/Mod	Disposal Facility
Waste Management	Hazardous Waste	CS	Captive Storage Permit	New/Mod	Storage Facility
Waste Management	Hazardous Waste	CT	Captive Treatment Permit	New/Modif	Treatment Facility
Waste Management	Hazardous Waste	COBIF	Commercial Boiler Industrial Furnace/Incinerator Permit	New/Modif	Boiler Industrial Furnce
Waste Management	Hazardous Waste	COD	Commercial Disposal Permit	New/Modif	Disposal Facility
Waste Management	Hazardous Waste	COS	Commercial Storage Permit	New/Modif	Storage Facility
Waste Management	Hazardous Waste	COT	Commercial Treatment Permit	New/Modif	Treatment Facility
Waste Management	Municipal Waste	CDL	Construction/Demolition Landfill Permit	New/Modif	Landfill
Waste Management	Municipal Waste	LAAU	Land Application of Sewage Sludge Permit Agricultural Utilization	New/Modif	Land Application
Waste Management	Municipal Waste	C	Municipal Waste Composting Permit	New/Modif	Composting
Waste Management	Municipal Waste	L	Municipal Landfill Permit	New/Modif	Landfill
Waste Management	Municipal Waste	RRO	Resource Recovery and Other Processing Permit	New/Modif	Landfill Processing Facility Resource Recovery
Waste Management	Municipal Waste	TS	Transfer Station Permit	New/Modif	Transfer Station
Waste Management	Residual Waste	RL3	Commercial Landfill-Class I, II, or III Permit	New/Modif	Landfill
Waste Management	Residual Waste	DI2	Disposal Impoundment-Class I, II, or III Permit	New/Modif	Impoundment
Waste Management	Residual Waste	RLAAU	Land Application Permit	New/Modif	Land Application
Waste Management	Residual Waste	RLALR	Land Application Permit Land Reclamation	New/Modif	Land Application
Waste Management	Residual Waste	RL3A	Landfill Class I, II, or III Permit	New/Modif	Landfill
Waste Management	Residual Waste	PI	Processing and/or Incinerator Permit	New/Modif	Incinerator Processing Facility
Waste Management	Residual Waste	T	Transfer Station Permit	New/Modif	Transfer Station

Trigger Permits

Air Quality	Air Quality	MAAT	Major Facility Plan Approval MACT Air Toxics Part 63	New	Air Pollution Control Device
Air Quality	Air Quality	MNSRP	Major Facility Plan Approval New Facility Review Prevention of Significant Deterioration	New	Air Pollution Control Device
Air Quality	Air Quality	MFSP	Major Facility Plan Approval New Source Performance Standard	New	Air Pollution Control Device
Air Quality	Air Quality	MNSRN	Major Facility Plan Approval New Source Review non-Attainment	New	Air Pollution Control Device
Air Quality	Air Quality	MNSRD	Major Facility Plan Approval New Source Review Non-Attainment De Minimis	New	Air Pollution Control Device
Air Quality	Air Quality	MFSR	Major Facility Plan Approval State Regulation	New	Air Pollution Control Device
Air Quality	Air Quality	SMFAP	Streamlined Major Facility Plan Approval Hazardous Air Pollutant Standard Part 61	New	Air Pollution Control Device
Air Quality	Air Quality	SMAAT	Streamlined Major facility Plan Approval MACT Air Toxics Part 63	New	Air Pollution Control Device
Air Quality	Air Quality	SNSRP	Streamlined Major Facility Plan Approval New Facility Review Prevention of Significant Deterioration	New	Air Pollution Control Device
Air Quality	Air Quality	SMFSP	Streamlined Major Facility Plan Approval New Source Performance Std	New	Air Pollution Control Device
Air Quality	Air Quality	SNSRN	Streamlined Major Facility	New	Air Pollution Control Device
Air Quality	Air Quality	SMFSR	Streamlined Major Facility Plan Approval State Regulation	New	Air Pollution Control Device

Trigger Permits

Clean Water	WPC NPDES	MAIW1	Major IW Facility <250 MGD	New/Major Amend	Discharge Point
Clean Water	WPC NPDES	MAIW2	Major IW Facility >250 MGD	New/Major Amend	Discharge Point
Clean Water	WPC NPDES	MASF1	Major Sewage Facility > 1 MGD and < 5 MGD	New	Discharge Point
Clean Water	WPC NPDES	MASF2	Major Sewage Facility > 5 MGD	New	Discharge Point
Clean Water	WPC NPDES	MASF3	Major Sewage Facility with CSO	New	Discharge Point
Clean Water	WPC NPDES	NIWMA	NPDES Permit for New and Existing Industrial Discharger Major	New	Discharge Point
Clean Water	WPC NPDES	NSMMA	NPDES Permit for Sewage Discharges Municipal Major	New	Discharge Point
Clean Water	WPC State Water Pollution Control	PABIS	Individual Site Permit for Beneficial Use of Biosolids by Land Application	New	Parcel
Clean Water	WPC State Water Pollution Control	W2IWL	Water Quality Mgmt Part II, Industrial Waste, Land Application	New	Land Discharge
Clean Water	WPC State Water Pollution Control	W2CAF	Water Quality Mgmt Part II, Manure Storage Facility for CAFO	New	Storage Unit
Waterways and Wetlands	WPC NPDES	NCAF	Concentrated Animal Feed Operations Individual NPDES Permit	New/Amend	Discharge Point

Trigger Permits

Mining	LSM	Large Surface Mining Permit	New
Mining	NUM	IM Underground Mining Permit	New
Mining	P	Preparation-Processing Plant Permit	New
Mining	RD	Refuse Disposal Permit	New
Mining	RR	Refuse Reprocessing Permit	New
Mining	SM	Surface Mining Permit	New
Mining	UM	Underground Mining Permit	New

Internal Policies

- Environmental Justice Public Participation Policy
- Pre-Application Process → PACT, GIF, additional notifications

GIF Instructions

PROJECT INFORMATION

Project Name. Provide the name by which this proposed activity or project is, or will be, known (e.g., XYZ Sub-Division, ABC Plant Expansion).²

Project Description. Provide a detailed description of the project. If applying for a part of a larger project, broadly describe the entire project (e.g., a pipe crossing to serve the XYZ Sub-Division).²

Project Consultant Information. Provide the name of the consultant for this project, if applicable. Include the individual's name, title, firm, mailing address, daytime phone number, and email address (optional).²

Time Schedules / Project Milestones. Provide the proposed schedule of project milestones, if any (e.g., 09-15-2002 Proposed Construction Start Date).¹

Environmental Justice. The answer provided to Question 1 in the Project Information section will determine whether this project is subject to the Enhanced Public Participation Policy (Document ID: 012-0501-002). An environmental justice community is any census tract with a 30 percent or greater minority population or 20 percent or greater at or below the poverty level as defined by the most recent census from the US Census Bureau. To determine if the project is located within an environmental justice community, see our [EJ Areas Viewer](#) or contact DEP's [Office of Environmental Justice](#) in your region.²

PACT

[in response to question: 34]

Clean Water

No narrative guidance is applicable for this category based on your questionnaire response.

Environmental Justice

This project may require enhanced public notice and participation in accordance with the Department's environmental justice policy. Details on this policy and contact information can be found at

<http://www.dep.pa.gov/PublicParticipation/OfficeofEnvironmentalJustice/Pages/default.aspx>

Pollution Prevention and Energy Assistance

No narrative guidance is applicable for this category based on your questionnaire response.

Internal Policies

- Environmental Justice Public Participation Policy
- Pre-Application Process → PACT, GIF, additional notifications
- Standard Operating Procedure (SOP)

SOP

- Streamline workflow, make process consistent across programs and regions
- Integrate these procedures into existing SOPs through the consolidation process being undertaken by Office of Programs

Compliance and Enforcement

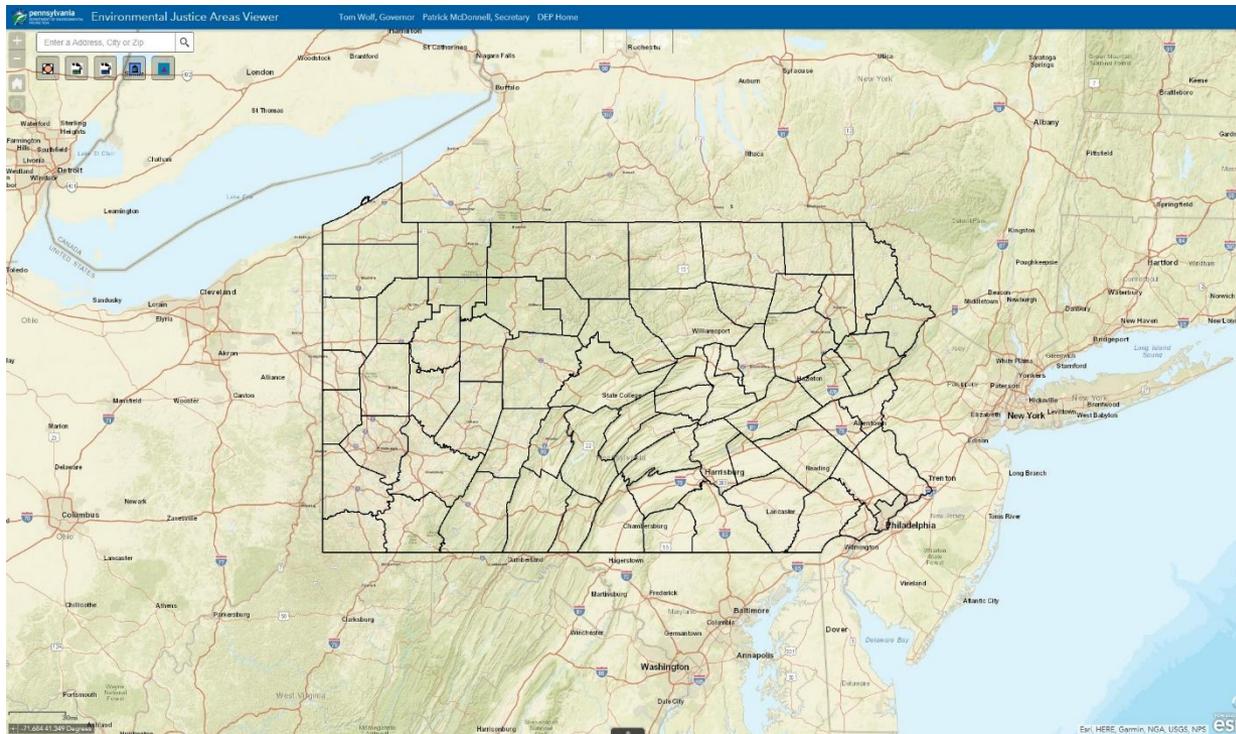
CEP Policy

DEPARTMENT OF ENVIRONMENTAL PROTECTION Policy Office

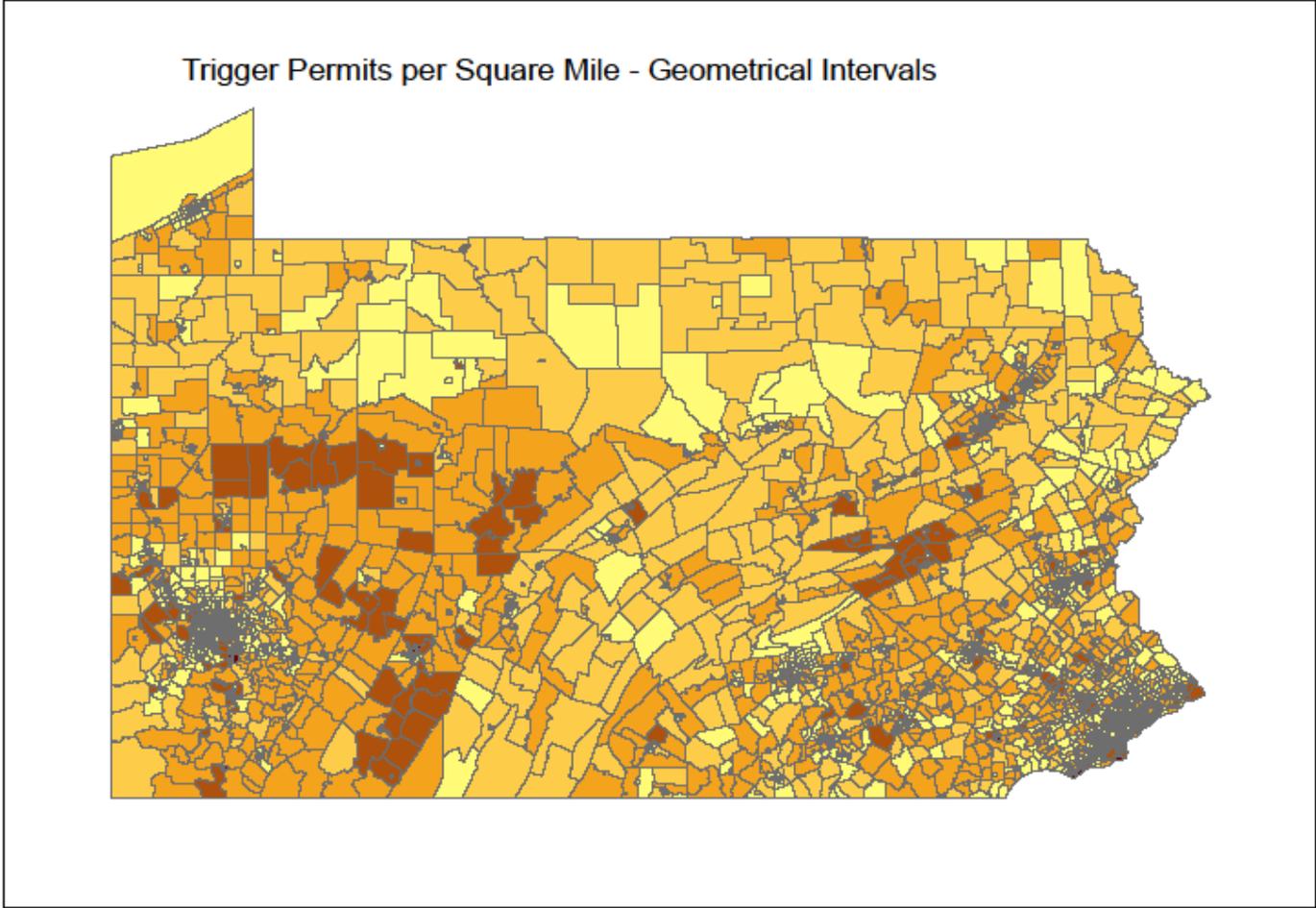
DOCUMENT NUMBER:	012-4180-001
TITLE:	Policy for the Consideration of Community Environmental Projects in Conjunction with Assessment of Civil Penalty
EFFECTIVE DATE:	April 19, 2014
AUTHORITY:	The Administrative Code 4 Pa. Code § 1.151, et seq.
POLICY:	The Department of Environmental Protection (department or DEP) staff will consider the performance of a Community Environmental Project (CEP), in appropriate situations, in lieu of a portion of the amount of civil penalty it will accept as a settlement.
PURPOSE:	The department may, in determining the amount of civil penalty to collect, consider projects that have substantial public health or environmental benefits. The department may consider CEPs in situations it decides are appropriate, as an exercise of its enforcement discretion. Additional consideration may be given to CEPs proposed in areas that are susceptible to disproportionate environmental impacts and projects that will benefit conditions in an environmental justice area.
APPLICABILITY:	The policy applies to all department enforcement actions under the statutes administered by the department pursued after the effective date of this policy. This guidance does not create any rights, duties or obligations for any party.

EJ Areas Viewer & Story Map

EJ Areas Viewer



▶ Trigger Permits per Square Mile (Census Tract)



Legend

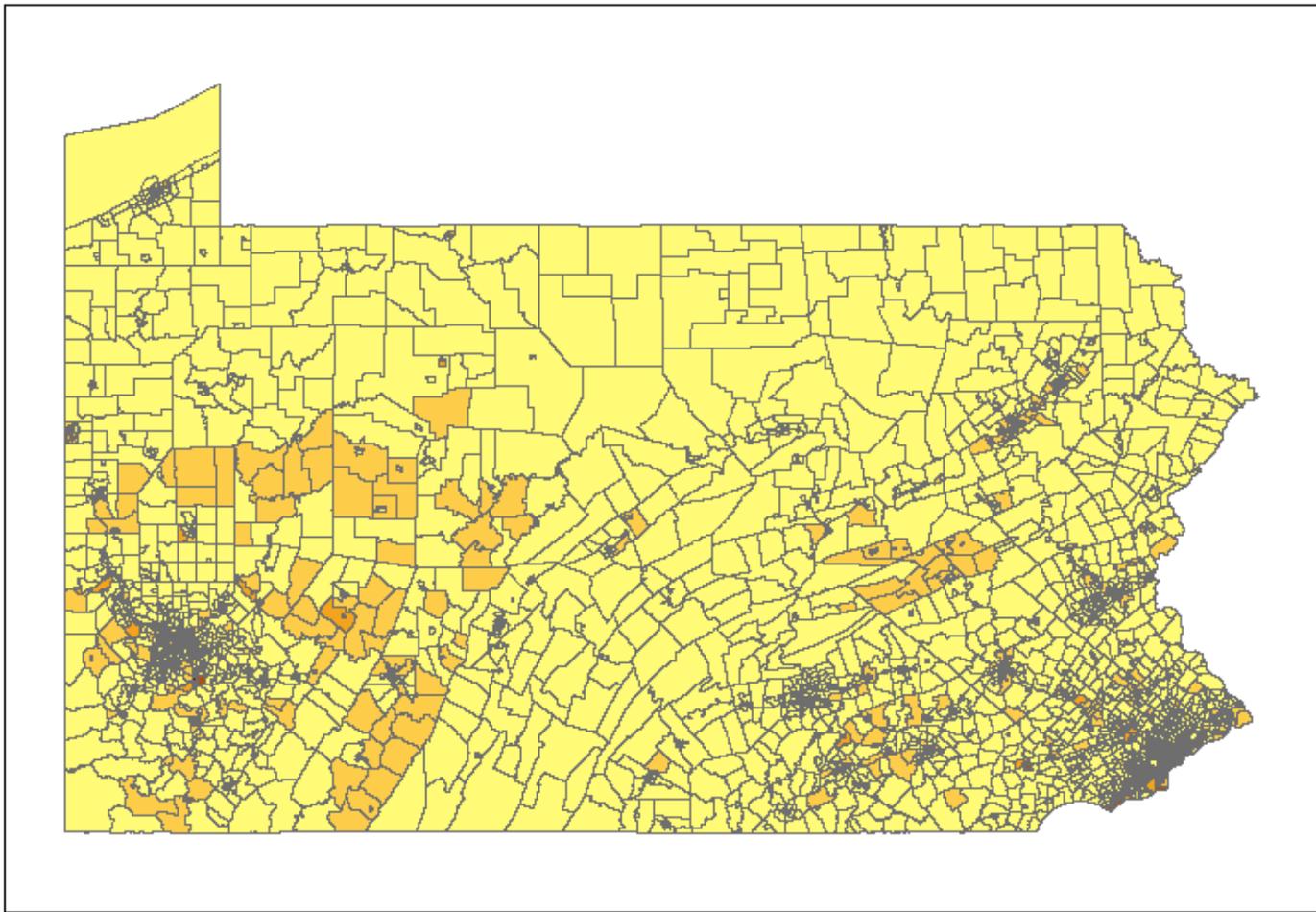
Census Tracts 2010
Trigger_Permits_per_Square_Mile

0.000000 - 0.018778
0.018779 - 0.154614
0.154615 - 1.137247
1.137248 - 8.245556
8.245557 - 59.666649



▶ Trigger Permits per Square Mile (Census Tract)

Trigger Permits per Square Mile - Natural Breaks



Legend

Census Tracts 2010
Trigger_Permits_per_Square_Mile

Light Yellow	0.000000 - 0.807601
Yellow-Orange	0.807602 - 3.240144
Orange	3.240145 - 8.821155
Brown	8.821156 - 20.739779
Dark Brown	20.739780 - 59.666649



Census Tracts

(Average Trigger Permits per square mile)

EJ

Non-EJ

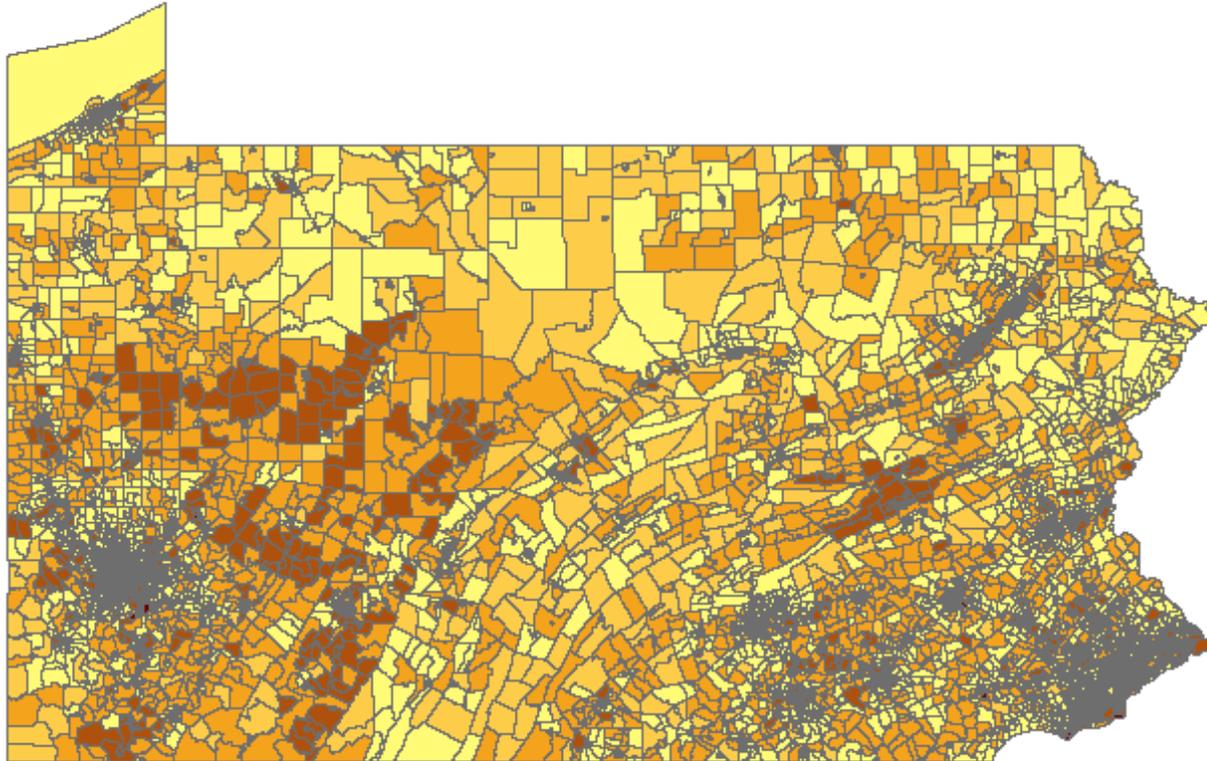
0.76

0.41

EJ census tracts contain **85% more** trigger permits per square mile than non-EJ census tracts.

▶ Trigger Permits per Square Mile (Block Group)

Trigger Permits per Square Mile - Geometrical Interval



Legend

Census Blocks 2015

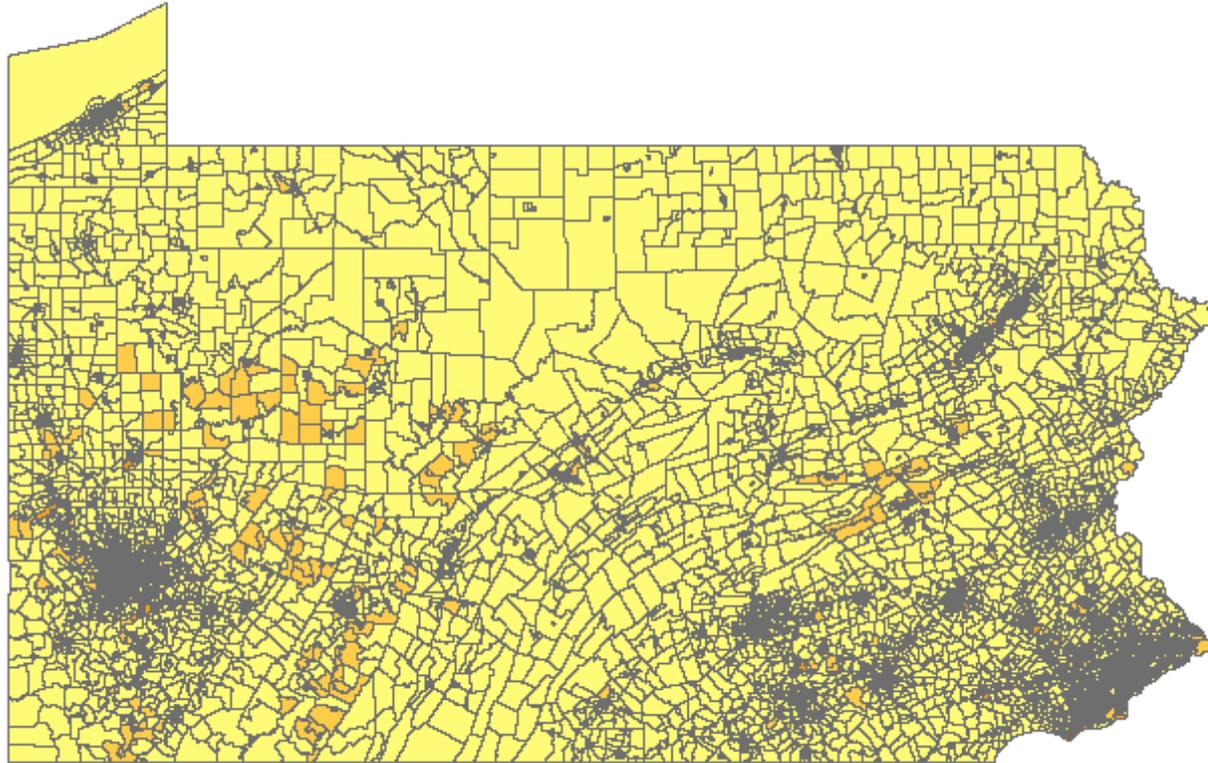
Trigger_permits_per_square_mile

-  0.000000 - 0.011710
-  0.011711 - 0.117777
-  0.117778 - 1.078529
-  1.078530 - 9.780999
-  9.781000 - 88.607778



▶ Trigger Permits per Square Mile (Block Group)

Trigger Permits per Square Mile - Natural Breaks



Legend

Census Blocks 2015
Trigger_permits_per_square_mile

- 0.000000 - 1.404537
- 1.404538 - 5.972154
- 5.972155 - 16.685581
- 16.685582 - 37.881596
- 37.881597 - 88.607778





Census Block Groups

(Average Trigger Permits per square mile)

EJ	Non-EJ
0.47	0.37

EJ census block groups contain **25% more** trigger permits per square mile than non-EJ census block groups.

Story Map

Environmental Justice in the Commonwealth of Pennsylvania

What is Environmental Justice?

At its core, environmental justice embodies the principle that communities should not be disproportionately exposed to adverse environmental impacts.

Video of the Secretary

Historically, minority and low-income individuals and communities have been forced to bear the brunt of adverse environmental impacts. It is our duty to ensure that all communities, especially those that have typically been disenfranchised, are fully involved in the decisions that affect their environment and that all communities are not unjustly and/or disproportionately burden with environmental hazards.

Office of Environmental Justice (OEJ)



Story Map

The screenshot displays an interactive Story Map interface. On the left, a dark sidebar contains the Pennsylvania Department of Environmental Protection logo and the title "Environmental Justice in the Commonwealth of Pennsylvania". Below the title, it states "No issues detected" and "Story not shared". The main content area of the sidebar includes a paragraph: "environment and that all communities are not unjustly and/or disproportionately burden with environmental hazards." This is followed by the "Office of Environmental Justice (OEJ)" section, which describes the OEJ's role in bridging the DEP, communities, and industry, and ensuring that historically disenfranchised groups are included in environmental decisions. A subsequent paragraph explains that the Story Map provides insight into environmental justice concerns and partnerships. The final section, "Getting Ahead of Lead: A Curriculum to Promote Understanding and Prevent the Hazards of Lead", describes a curriculum for Erie, PA, aimed at addressing lead contamination in urban homes and soils.

The main map area is titled "Environmental Justice Areas Viewer" and shows a map of Allentown, PA, with numerous colored markers representing environmental justice areas. A popup window titled "RCRA Corrective Actions Sites" is open, showing details for a site with EPA ID PAD002391969, named "Allentown Paint Company" located at 639 E. Allen St., Allentown, PA 18102. The popup also includes a "Zoom to" button and a "More info" link. The map interface includes a search bar, navigation controls, and a scale bar at the bottom.

Next Steps

Next Steps

- Public Meetings/Roundtables in 2018

Next Steps

- Public Meetings/Roundtables in 2018
- Interagency Coordination in EJ Communities

Next Steps

- Public Meetings/Roundtables in 2018
- Interagency Coordination in EJ Communities
- Internal Education & Awareness