Maryland Environmental Screen Tool
Bay Funders
January 26th 2017
THE MARYLAND EJ TOOL STORY
Maryland Environmental Health and Smart Growth Partnership

- Town Creek Foundation provides funds via climate commission to support health work
- Center for Smart Growth teams up with MdEHN to develop Maryland EJ Screen tool
• Dr. Wilson and Dr. Payne-Sturges bring year of experience working with communities to promote environmental justice

• They suggested we grounds test the tool with Prince George’s County and the Bladensburg community

• Presented tool to Bladensburg and received feedback. Supported by the UMD PALS program, students of Dr. Wilson will create a tutorial video for using the tool
BUILDING THE TOOL
Why Not Just Use EJ Screen?

- Utilize local data
- Customize to local community concerns
- Make a tool potentially adoptable for state policy making
Based On Established Tools

- EPA EJ Screen: https://ejscreen.epa.gov/mapper/

Methodology For Scoring system Borrowed From CalEnviroScreen

- Pollution Burden: Exposure
- Pollution Burden: Environmental Effects
- Population Characteristics: Sensitive Populations
- Population Characteristics: Socioeconomic Factors
All Scores Scaled to Percentiles

MARYLAND EJ SCORE
- > 0.9 To 0.96
- > 0.75 To 0.9
- > 0.5 To 0.75
- 0 To 0.5

1) Pollution Burden: Exposure
- Pollution Burden: Exposure
  - > 0.9 To 1
  - > 0.75 To 0.9
  - > 0.5 To 0.75
  - 0 To 0.5

--a) NATA Air Toxics Cancer Risk
- NATA Air Toxics Cancer Risks
  - > 0.9 to 1
  - > 0.75 to 0.9
  - > 0.5 to 0.75
  - 0 to 0.5
Have Fun!

• Prince George’s County:
  http://uofmd.maps.arcgis.com/apps/webappviewer/index.html?id=63dcbfb775d44aa594a17f5ffa257caa

• Baltimore City:
  http://uofmd.maps.arcgis.com/apps/webappviewer/index.html?id=69a3b4817a2a472883dd78ceebf0f912