

## Justice40 reference table categorizing CVI indicators

The reference table below shows how several CVI indicators correspond to Justice40's 7 key categories. More information about Justice40 can be found [here](#) and more information about the CVI and Justice40 can be found [here](#).

<h3>Climate Change</h3>	<p><b>Public Health Impacts</b></p> <ul style="list-style-type: none"> <li>Temperature-related mortality</li> <li>Deaths from climate disasters</li> <li>Increased PM<sub>2.5</sub> mortality - CVD (ages 65+)</li> <li>Increased Ozone mortality (all ages)</li> <li>Increase in childhood asthma incidence</li> <li><i>Aedes albopictus</i> dengue transmission increase</li> <li><i>Aedes aegypti</i> zika transmission increase</li> <li><i>Aedes aegypti</i> dengue transmission increase</li> <li>Surface PM<sub>2.5</sub></li> </ul> <p><b>Property</b></p> <ul style="list-style-type: none"> <li>Flooding risk to properties</li> <li>Wildfire risk to properties</li> <li>Property taxes expected to be lost by 2045 due to chronic inundation</li> </ul> <p><b>Emissions</b></p> <ul style="list-style-type: none"> <li>State energy-related carbon dioxide emissions by year</li> <li>Methane Emissions</li> </ul> <p><b>Weather Events</b></p> <ul style="list-style-type: none"> <li>Hurricane - Annualized Frequency</li> <li>Tornado - Annualized Frequency</li> <li>Wildfire - Annualized Frequency</li> <li>Drought - Annualized Frequency</li> </ul> <p><b>Crime</b></p> <ul style="list-style-type: none"> <li>Property Crimes (% change)</li> <li>Violent Crimes (% change)</li> </ul>	<p><b>Weather Trends</b></p> <ul style="list-style-type: none"> <li>Cold Wave - Annualized Frequency</li> <li>Days with maximum temperature above 35°C</li> <li>Days with maximum temperature above 40°C</li> <li>Maximum of maximum temperatures</li> <li>Mean temperature</li> <li>Urban Heat Island Extreme Heat Days</li> <li>Winter Weather - Annualized Frequency</li> <li>Snowfall</li> <li>Frost Days</li> <li>Consecutive Dry Days</li> <li>Standardized Precip Index</li> <li>Total Precipitation</li> </ul> <p><b>Flooding and Sea Level</b></p> <ul style="list-style-type: none"> <li>Coastal Flooding - Annualized Frequency</li> <li>Riverine Flooding - Annualized Frequency</li> <li>Sea Level Rise</li> </ul> <p><b>Economics</b></p> <ul style="list-style-type: none"> <li>FEMA Hazard Mitigation Grants</li> <li>Cost of climate disasters</li> <li>High-Risk Jobs Productivity (% change)</li> <li>Yields (% change)</li> <li>Expected Annual Loss - Agriculture Value</li> <li>Expected Annual Loss - Building Value</li> <li>Expected Annual Loss - Population Equivalence</li> <li>Residential Energy Expenditures (% change)</li> <li>Share of Jobs in Agriculture</li> </ul>
	<h3>Affordable &amp; Sustainable Housing</h3>	<p><b>Housing types</b></p> <ul style="list-style-type: none"> <li>Multi-Unit Structures</li> <li>Group Quarters</li> <li>Mobile Homes</li> </ul> <p><b>Housing risks</b></p> <ul style="list-style-type: none"> <li>Housing Foreclosure Risk</li> <li>Percent of Housing Units Built Between 1940-1969 as of 2015-2019</li> <li>Crowding</li> </ul>

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<b>Clean Energy &amp; Efficiency</b>	<u><b>Residential Energy</b></u> Residential Energy Cost Burden Residential Energy Expenditures (%change)	<u><b>Energy Emissions</b></u> State Energy-related Carbon Dioxide Emissions by Year Share of Energy from Fossil Fuels
<b>Training &amp; Workforce Development</b>	<u><b>Risks to Workers</b></u> Outdoor Workers - Work Days at Risk per Year	
<b>Remediation &amp; Reduction of Legacy Pollution</b>	<u><b>Harmful Exposures</b></u> Agricultural Pesticides Stream Toxicity Risk- Screening Environmental Indicators (RSEI) Black Carbon Pollution Sources Lead Paint: % Housing Units Built Before 1960 per Census Tract Lead in Drinking Water Violations  <u><b>Waste Sites</b></u> Metal Recyclers Hazardous Waste Management Facilities (TSDFs) Hazardous Waste Generators/Incinerators Landfills	<u><b>Dangerous Sites</b></u> Superfund Sites Brownfields Proximity to Facilities Participating in Air Markets National Priorities List (NPL) sites Facilities with Enforcement or Violation Toxic Substances Control Act (TSCA) Facilities Risk Management Plan Facilities Chemical Manufacturers Active Oil and Gas Wells
<b>Development of Clean Water &amp; Wastewater Infrastructure</b>	<u><b>Clean Water and Wastewater</b></u> Indoor Plumbing Lead in Drinking Water Violations	<u><b>Flooding and Sea Level</b></u> Coastal Flooding - Annualized Frequency Riverine Flooding - Annualized Frequency Flooding Risk to Roads Flooding Risk to Properties Sea Level Rise
<b>Clean Transit</b>	<u><b>Transportation Access</b></u> Housing Type & Transportation Transportation Sources National Transportation Noise Map Transportation No Vehicle Walkability Bikability	<u><b>Transit Infrastructure</b></u> Delay (congestion) per capita/census tract Flooding risk to roads Lane miles per capita Road Quality and Maintenance Bridge Quality and Maintenance Public Transit Performance