US Department of Transportation

Equitable Transportation Community Explorer User Guide

About Justice40

The Biden-Harris Administration created the Justice40 Initiative to address historical underinvestment in disadvantaged communities. The initiative will bring resources to communities most affected by climate change, pollution, and environmental hazards.

At the U.S. Department of Transportation (USDOT), Justice40 (J40) is an opportunity to address gaps in transportation infrastructure and public services by working toward the goal that many of our grants, programs, and initiatives allocate at least 40% of the benefits from federal investments to disadvantaged communities.

About the Explorer

The Equitable Transportation Community Explorer (ETCE) is an interactive web application that display the results of an index that combines information about the location based on: Transportation Insecurity, Climate and Disaster Risk Burden, Environmental Burden, Health Vulnerability, and Social Vulnerability. Displayed are a variety of indicators and datasets that are combined to create a score for each component. The scores from each component are joined to create an overall index score then percentile ranked by Census Tracts.

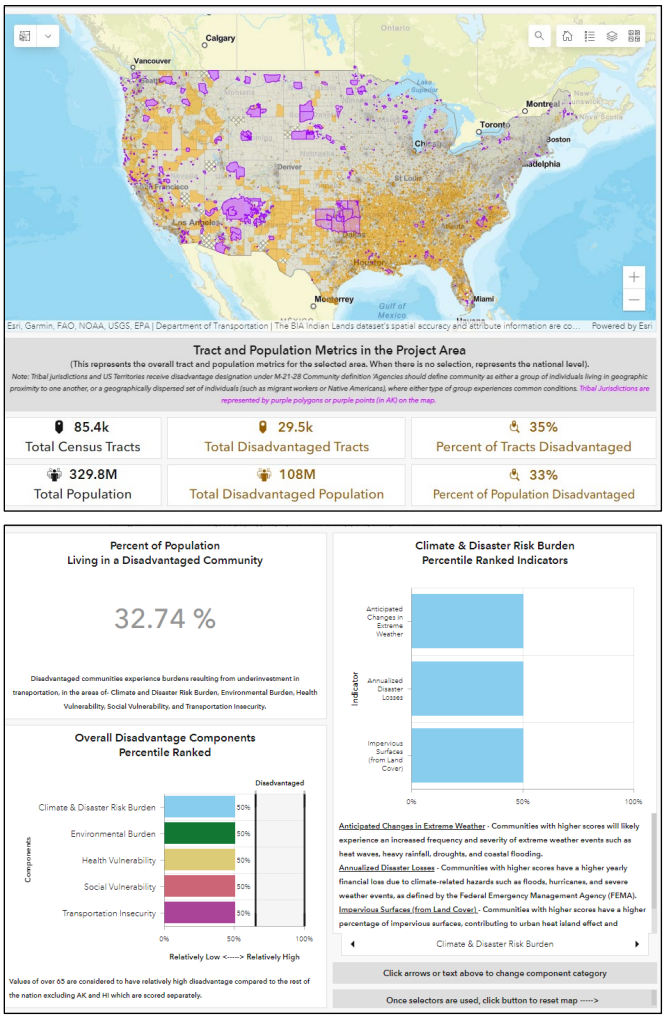

Figure 1 The Explorer contains various map views, Disadvantage Information and additional data.

What is in the User Guide?

The User Guide provides an overview of the ETCE and its functionality across two main areas:

1. **APPLICANT EXPLORER** – An interactive dashboard for users to determine if a project area is disadvantaged. This view allows users to explore key areas of interest through the search and selection features. The map also contains various layers to provide additional context, including geographic boundaries and transit information.

2. **MAP VIEWER** – For additional mapping and analysis functionality; users can add their own data and create custom views that can be exported.

To learn more about J40 or the ETCE, visit USDOT's website at:
transportation.gov/equity-Justice40

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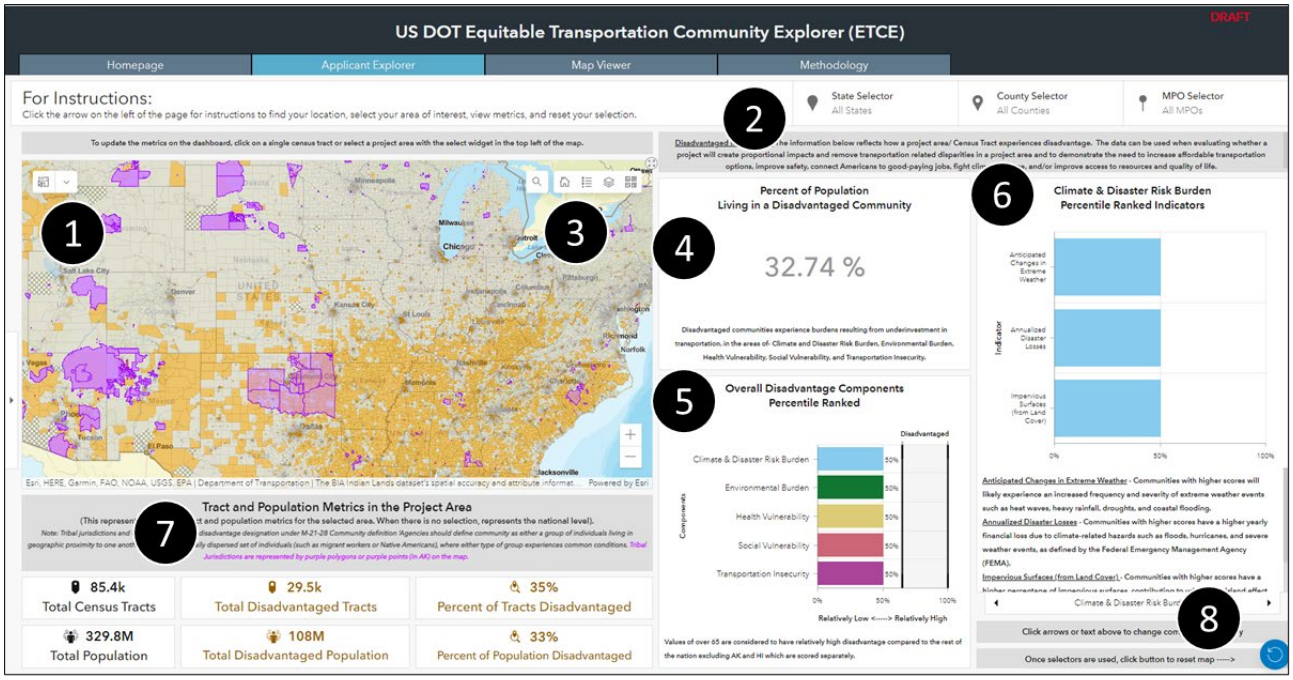
The Applicant Explorer provides an interactive dashboard for users to determine if a project area is considered to be disadvantaged. This view allows users to explore key areas of interest through the search and selection features. The map also contains various layers to provide additional context, including geographic boundaries and transit information.

FROM THE APPLICANT EXPLORER, YOU CAN:



1. **Selector tool** – Use the selector tools to select or draw an area of interest.

2. **Jurisdiction filters** – Filter by state, county, or metropolitan planning area.

3. **Search bar and map tools** – Zoom to a specific place or address from the search bar. Use the map tools to view different layers, display the map legend, and change basemaps.

4. **Percent population living in disadvantaged census tracts** – View the percent of population living in a disadvantaged community based on the burden components.

5. **Overall disadvantage components** – View the percentile rank across the five disadvantage components. Values over 65% are considered to have relatively high disadvantage.

6. **Percentile ranked indicators** – Using the arrows or text at the bottom of this chart users can click between the different components to view more information on the various indicators that make up the index.

7. **Tract and population metrics** – View the overall tract and population metrics for the selected area. If a selection is not made, the system defaults to reflect national level data.

8. **Map reset –** To reset the map users can click the blue reset button and start a new search.

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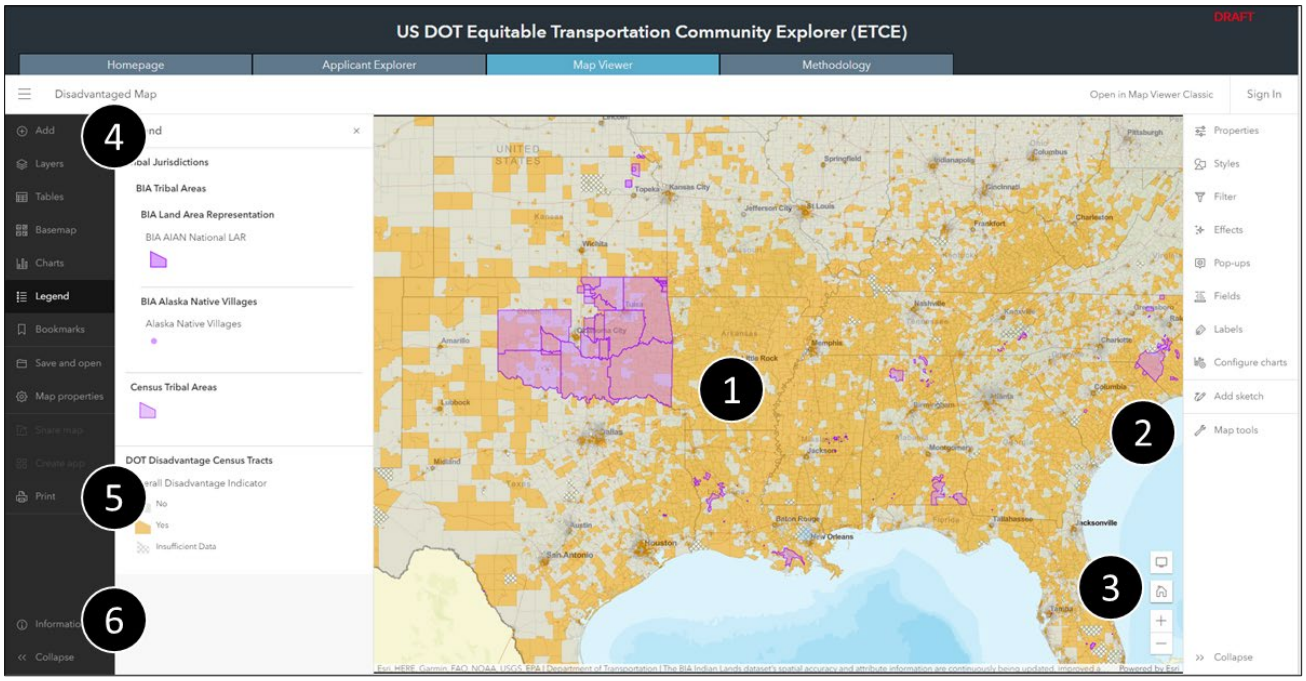
The Map Viewer provides additional mapping and analysis functionality. Users can add their own data and create custom views that can be exported.



FROM THE MAP VIEWER, YOU CAN:

1. **Browse the map** – Scroll in or out to zoom to a specific area of interest to view the census tracts that are considered disadvantaged.

2. **Search for an address or place** – Click on **Map tools** to access the **Search** feature. Users can enter an address or the name of a place to zoom to a corresponding area.

3. **Return to default map view** – To return to the default view, click the home icon.

4. **Access contents** – Use the contents toolbar to manage and view the map contents and work with the map. From here, users can **Add** layers through the **Brows layers** or **Add layer from URL** function. Layers have symbology that appears on the **Legend** pane to see how the data layer is represented on the map.

5. **Print map** – Select the **Print** option to export your map in various file formats, such as PDF, JPG, and TIFF. Users can also customize the **Layout** options or export as **Map only**.

6. **Access more information** – For more information about additional mapping capabilities please visit ArcGIS Online.

Note: Customized maps must be created and exported in a single session, they cannot be saved in the web map for later use.