2050 MTP Parcel Review User’s Guide

Thank you for helping us with the 2050 MTP CommunityViz Parcel Review! For this review we’re asking for the following information for your jurisdiction:

1.) Update parcel **place type, development status & percent developed** parcel attributes for the **2050 Default** scenario (See “2050 MTP CommunityViz Technical Guide” document for a detailed listing of place types available and their lookup table value ranges)

2.) Review the **site efficiency factor, density, and FAR** values associated with each place type to make sure they still make sense and update where necessary (Jurisdiction-specific table to edit will be provided by TJCOG).

3.) Begin tracking committed development projects that have begun construction since January 1, 2020 in the “2050 MTP Committed Development Summary Table.xlsx”. (Jurisdiction-specific table to edit will be provided by TJCOG). The table will list criteria for what to include will be at the bottom of the table.

There are 2 main methods that you can use to edit the parcel data for request #1.) above:

- Use a custom ArcGIS Online web application called the “2050 MTP CommunityViz Growth Model Parcel Review Tool.” The tool allows editors to remotely review and edit the 2050 MTP CommunityViz Growth Model parcels in a web browser.
- Download the data and ArcGIS Map project from TJCOG, use ArcGIS Desktop to edit the parcel data, then upload edited data set to TJCOG.

For request #2.) & #3.) we will provide excel tables to review & update in data packages you’ll be able to download.
Editing using the ArcGIS OnlineParcel Review Tool

If you prefer to use this method, TJCOG will develop the ArcGIS Online review tool specific to your jurisdiction, and will work with the tool user to provide a link through which you can access the parcel review tool as well as the appropriate permissions.

When the app opens, it should look like this screenshot:

![Screen shot of ArcGIS Online Parcel Review Tool]

There's a brief tool guide on the left side of the viewer when the app opens. The parcel attribute editing tool and list of available layers are on the right side.
Reference and Map Navigation Functions

This section provides guidance for using the map reference and navigation tools found in the Parcel Review Tool map viewer.

Reference Guide Window

When the Parcel Review Tool app opens, a window is visible that gives instructions on how to use the various tool functions in the Parcel Feature Editor (Figure 1). Click on the X in the top right corner of the Reference Guide Window to hide it and click on 0 to make it visible again.

Add Basemap

You can change the base map in the Parcel Review Tool app by clicking on the Add Basemap icon (Figure 2). A window appears with the available base maps, with the default being the “Light Gray Canvas” option. Click on the basemap to select it and click on the X in the top right corner to close the window.

Legend

When you click on the Legend icon, a window appears that displays the symbology for all currently visible layers in the Parcel Review Tool. Click on the X in the top right corner of the window to close it (Figure 3).
Measurement

The Measurement tool allows you to measure linear distance, the area of a polygon, or the coordinates of a point. Clicking the Measurement icon brings up a window that displays options for:

- measuring the area of a polygon
- measuring the length of a line
- finding the coordinates of a point

After selecting the measurement option, a drop-down menu with measurement units appears (Figure 5). Select the measurement unit, click on the map to start measuring, click once to insert a vertex, then double-click to stop. Results appear in the window. Click “Clear” to clear the results and start over.

Zoom Slider

Click the Zoom Slider icon to zoom in and out of the map.

Home

Click the Home icon to return to the original extent of the map viewer.

Extent Navigate

Click the Extent Navigate icon to navigate the map to its previous or next extent.

Layer List

The Layer List window (Figure 6) shows all layers and their symbology that are currently available in the Parcel Review Tool app. When the app opens, the parcel layer that editors will review and update is visible, along with a layer for Municipal Boundaries in the Study Area and Sub Region boundaries for reference. These layers can be used for reference and are not editable. Click on the box next to the layer name to toggle layer visibility on and off.
Parcel Attribute Editing

This section provides instructions on how to use the Parcel Attribute Editor Tool to review and update parcel attributes.

To edit a parcel’s attributes, click a selection tool from the Parcel Attribute Editor window on the right-hand side of the map viewer (Figure 7). The four options for selection tools are point, extent, polygon, or freehand polygon.

Use the point selection tool to select a single parcel. When you click on a parcel with this tool the parcel’s editable attributes appear in a popup window (Figure 8).

Enter any comments into the “Comments” field. If you need to update the place type, development Status, or percent developed attributes, use the drop-down menus. Change the reviewed field to “Yes” when finished and click Save.

If you’d like to update a group of parcels with the same place type or development status, you can use the other selection tools to select multiple parcels at once. For the Extent selection tool, click and drag to select multiple parcels. For the two polygon tools, click to start drawing, and double-click to stop. Once the parcels are selected, a pop-up window appears with the parcel group’s editable attributes (Figure 9). If all parcels have the same value for an attribute, that attribute will be displayed. If the parcels in the group have different values for the attribute, “Keep Existing Value” will be displayed. Any changes to the attribute will be applied to all parcels selected.
Local Data Editing

TJCOG will provide the data editor a link to download a zip file with all the data necessary to review and update parcels locally. The file will include a geodatabase with the full set of parcels for your sub-region. Here’s an overview of the attribute fields & their definitions - highlighted fields are the ones that will be edited / reviewed:

<table>
<thead>
<tr>
<th>Attribute Field Name</th>
<th>Field Name Alias</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBREGION</td>
<td>Sub Region</td>
<td>Analysis Sub Region</td>
</tr>
<tr>
<td>CNTYNAME</td>
<td>County</td>
<td>Parcel's County Name</td>
</tr>
<tr>
<td>OWNNAME</td>
<td>Owner Name</td>
<td>Parcel Owner’s Name from NC One Map parcel data source</td>
</tr>
<tr>
<td>MAILADD</td>
<td>Mailing Address</td>
<td>Parcel Owner’s mailing address</td>
</tr>
<tr>
<td>MCITY</td>
<td>City</td>
<td>Parcel Owner’s City</td>
</tr>
<tr>
<td>MSTATE</td>
<td>State</td>
<td>Parcel Owner’s State</td>
</tr>
<tr>
<td>JURIS</td>
<td>Jurisdiction</td>
<td>Parcel’s assigned jurisdiction for use in the model</td>
</tr>
<tr>
<td>PIN</td>
<td>PIN</td>
<td>Parcel Identification Number</td>
</tr>
<tr>
<td>ACRE</td>
<td>Acreage</td>
<td>Parcel Acreage</td>
</tr>
<tr>
<td>PT_MTP45</td>
<td>Place Type - 2045 Adopted MTP</td>
<td>Place Type used in the Adopted 2045 MTP (for reference)</td>
</tr>
<tr>
<td>DS_MTP45</td>
<td>Development Status - 2045 Adopted MTP</td>
<td>Development status used in the Adopted 2045 MTP (for reference)</td>
</tr>
<tr>
<td>PD_MTP45</td>
<td>Percent Developed - 2045 Adopted MTP</td>
<td>For underdeveloped and re-developable parcels, this is the percent of the parcel that cannot accept more growth.</td>
</tr>
<tr>
<td>REVIEWED</td>
<td>Reviewed</td>
<td>Indicates whether or not a parcel has been reviewed</td>
</tr>
<tr>
<td>Comments</td>
<td>Comments</td>
<td>Any notes about the parcel - Useful for noting any parcels you’re unsure how to classify</td>
</tr>
<tr>
<td>PT_MTP50</td>
<td>Place Type - 2050 Default</td>
<td>Default 2050 value – Place type value to review/update to reflect what the parcel is most likely to develop as by 2050</td>
</tr>
<tr>
<td>DS_MTP50</td>
<td>Development Status – 2050 Default</td>
<td>Default 2050 value – Development status value to review/update to reflect the parcels development status with respect to it’s expected place type</td>
</tr>
<tr>
<td>PD_MTP50</td>
<td>Percent Developed – 2050 Default</td>
<td>Default 2050 value – Only applies to underdeveloped and redevelopable development status and is the percent of the parcel that cannot accept additional development</td>
</tr>
</tbody>
</table>

Note that, while the dataset covers the entire subregion, but we are only asking you to review/update parcels in your jurisdiction. Jurisdictions associated with a parcel are identified in the “Jurisdiction” attribute field in the parcel data.
Local Data Editing

Also included in the zip file is a .mxd file you can use to edit the parcel data. When opened, it displays the 2050 Default values for place type & development status. Note that all layers used in the map both link to the included geodatabase, and the .mxd is saved with relative pathnames, so the mxd should open with the data intact (Figure 10).

For technical assistance accessing and using the Parcel Review Tool in particular, or ArcGIS Online in general, contact:

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