# PCA Criteria Flags

The following are specific analyses to run to determine which PCA Refresh criteria, if any, are not met by the 185 existing PCA geographies. For each existing PCA Geography, 7 datasets should have an intersection analysis run against them, tabulating what percent of the PCA Geography overlaps with each dataset. The Existing Geographies are here: <https://www.arcgis.com/home/item.html?id=f6ef8028c9a04549a1b0ec8e2ac95851>

* Flag 1 – What percentage of the existing PCA geography has coverage with the five PCA types?
  + Flag 1nl – Natural Land Eligibility Dataset: <https://www.arcgis.com/home/item.html?id=8f4a98b1bb32402db22ba7379ea062a9>
  + Flag 1wl – Working Land Eligibility Dataset: <https://www.arcgis.com/home/item.html?id=a77ca0cdc90e4384944b627ef483699a>
  + Flag 1ug – Urban Greening Eligibility Dataset: <https://www.arcgis.com/home/item.html?id=c78de9845c8845f4b3dfc9e810a3921e>
  + Flag 1r – Recreation Eligibility Dataset: <https://www.arcgis.com/home/item.html?id=b464a021a9674723ae1c5a19d87a5088>
  + Flag 1ca – Climate Adaptation Eligibility Dataset: <https://www.arcgis.com/home/item.html?id=a38c71d0ed214cd186b5434d0bd8b651>
* Flag 2 – What percentage of the PCA is inside City Limit / UGB layer?
  + This flag will provide additional context for Flag #1. In some instances this field will need to be 0/100% for Natural Land, Working Land, and Urban Greening PCAs so the value is important in addition to Flag #1 if we use a non 100% coverage threshold for flag #1.
  + I believe the EN4\_Urban\_Growth\_Boundary is the dataset we want to use, but will confirm week of 5/27: <https://mtc.maps.arcgis.com/apps/mapviewer/index.html?webmap=da59788c51ff493d8de6eeeef448499a>.
* Flag 3 – Does the existing PCA geography overlap with other PCAs? What percent?
  + Flag 3 – Existing PCA Geography dataset: <https://www.arcgis.com/home/item.html?id=f6ef8028c9a04549a1b0ec8e2ac95851>

These 7 data points will then be compared with the PCA designations (which PCA types are associated with the geography?) to determine if the PCA requires amendments. The most common amendments are likely to be:

1. **Shrinking of geographies.** Areas that do not meet the criteria will be trimmed away from the existing geographic boundary.
2. **Reduction of the number of PCA types.** Existing PCAs that claim multiple types (note, many claim 2, 3, or 4) may have to reduce to a more limited set of types supported by the data.
3. **Combination of the A & B.** In some cases both the geography and number of types will need to be reduced.
4. **Combination of A & B and splitting into 2 geographies**. Particularly for PCAs that span incorporated and unincorporated boundaries, where the existing coverage of the PCA is desired, a PCA may be split into two, with differing types claimed in different portions.
5. **Elimination of PCA**. Particularly in cases where a PCA may already be fully covered by another PCA, a PCA may be removed.
6. **Unknown**. We’ll see what the data tells us and if other amendment approaches materialize!