Configuring PPA3 Rollup in VertiGIS

# Notes from 12/15/22 Training with Yongzhi

* Filter (for\_review=1 query) applied by editing source webmap, not in config?
  + For charts, use queryWhere tag in JSON config
  + But for visualizing user interface, set in source webmap
* Finding chartingWorkflowId:
  + Which workflow to call to draw the chart
  + \*\*\*Should not need to edit this!
  + Ctrl+shift+e will bring up JSON configuration of the Viewer
    - Search for name of workflow in JSON file, it will take you to where the ID is.
    - Same process will help us find chartId value (this also won’t likely be changed)
* Finding chartingPanelId:
  + Panel that you want to put charts in
  + Has attributes selection panel and charts panel
* Ctrl+shift+e will bring up JSON configuration of the Viewer
* If layer is standalone (not bundled in webmap), then need to set isFeatureLayer = False
* Probably want sortAscending=false for all metrics, have tallest bars on left side of x axis
* Charts drawn with [Highcharts library](https://api.highcharts.com/highcharts/), can refer to their API for more information.
  + Can use as reference for customizing/configuring the charts
* Series:pattern – pattern is not in Highcharts API
  + Each item in target matches up with keys in the “keys” tag below
  + “data” key – initializes with empty list, but then fills with the appropriate values specific to run that correspond to “keys”
    - Each item in “data” corresponds to a bar, and each “key” is an attribute of the bar.
  + What’s difference between “f” and “y” values?
    - F is “function” of some sort. Look up in Highcharts API ref—this may be where you can adjust format of bar data labels.
* To add a new table with its charts
  + Add under the relatedTables key
  + Copy/paste one of the existing tables in the list of tables under relatedTables key
  + Update all values to reflect the table and field names
    - \*\*\*Is there a nice python scripted way to create a new table entry?

## Q and A

* Is there a reference or glossary or way I can get color codes? Like, is there some place I can click a color I like, then get the code to copy/paste?
  + See Highcharts API ref
* In comparison jobs base bar chart, it has space instead of comma for thousands separator. How do I fix that?
  + In Highcharts API ref, look at series > column > dataLabels > format, see link to [format strings](https://www.highcharts.com/docs/chart-concepts/labels-and-string-formatting#format-strings)

# Key Glossary

* “target” attributes – the color, name pattern, etc. for the bar representing the selected projects
* “comparisons” – bar attributes for all peer project bars (not the selected bar)

# Accessing config file and overview

[Notes from 12/7/22 meeting with Yongzhi](https://sacog.sharepoint.com/:w:/s/PPADevelopment/Ea0_vyou3rxGo5FGHsfynusBexhQ5_D6p53A-t79NcVg-Q?e=6UllDe)

* Configuration for project roll-up
  + Workflow name = SACOG\_ProjectComparisonMetrics\_SelectProjects
    - Initialize > Configuration > projectComparisonMetricsConfiguration
* Project roll-up ready for sending to Darren for testing
  + \*\*\*Save JSON of configuration for archiving!
  + \*\*\*Try configuring one or two yourself, explore file prior to 12/12 meeting with YY; make Jeanie optional
    - Not all tables have had charts configured for them—best for DC or JH to configure remainder and can do on their own.
  + Look at URL/site of roll-up tool too – URL is <https://portal.sacog.org/portal/apps/mapviewer/index.html?webmap=a795f96413954db09a32d954bf051312>
  + \*\*\*do not change anything in designer without first letting YY know!!!

  The following are addition URLs that might be useful:

* URL to the viewer designer:

[https://mapping.sacog.org/Geocortex/WebViewer/designer/#app=3c7ff61fa2694369a591d1fb8825a40a](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fmapping.sacog.org%2fGeocortex%2fWebViewer%2fdesigner%2f%23app%3d3c7ff61fa2694369a591d1fb8825a40a&c=E,1,aYs3rrzpj2SKGgQU8_zE5DYFoEWOerh7TEU5Sb-hRYJFG7wTi2UArfIX-coFJ4wQa4xZ977QmzgY6vuuAlreWBVVcev0PQ71C4nAPLIiZ1tHceFjErg,&typo=1)

* URL to the Project Comparison Matrix select projects workflow, **which contains the master configuration file**:

[https://mapping.sacog.org/vertigisstudio/workflow/designer/#workflow=4be745caf76c4b6194897062e81c8797](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fmapping.sacog.org%2fvertigisstudio%2fworkflow%2fdesigner%2f%23workflow%3d4be745caf76c4b6194897062e81c8797&c=E,1,jCE4iSZEXIX4Db70wcVqa8fi_I_5EPpzJnywE270dzWf85uVMiQD6_D5eOtY7TbWWYtlGmQS1PjlH2Y2li2Vc4b0QUwbhI0zvf_kMBgCnA,,&typo=1)

* URL to the web map I created using map service from SACOG:

[https://portal.sacog.org/portal/home/item.html?id=2dd4912939e14e6bb529c5932aaf7296](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fportal.sacog.org%2fportal%2fhome%2fitem.html%3fid%3d2dd4912939e14e6bb529c5932aaf7296&c=E,1,tvizG2Y3ISW1GWAX11WFAg4Wqexc61rMc7aV4Sn3rGl0FVXm1JfF-U4PFx-zMrOs5ys_7k6qNxhosn6HLWJ1NmOM6B4KdegeXnNv9XBzXA,,&typo=1)