GIS FAQ's

- **Should I use ArcMap or ArcPro?**
  - ArcPro should be used- ArcMap has been depreciated by ESRI and will no longer be supported with our upcoming update to ArcGIS Enterprise 11.2.1
- **What coordinate system should I use?**
  - NAD_1983_StatePlane_Utah_Central_FIPS_4302_Feet
  - If you are exporting data from CAD, please include the coordinate system used
- **Should my data go into a Spatial Database (SDE)?**
  - If your data will be updated by multiple editors
  - If your dataset will be used in the future. If the dataset is specific to a one-time project, then SDE is not recommended
- **What are the benefits of SDE?**
  - Multiple editors
  - Security
  - Frequent backups- in the event of accidental deletion or incorrect edits, we can rollback and recover an earlier version of the dataset
- **How do I edit my data in SDE?**
  - SDE layers are available for editing in Edit_CitySDE, while CitySDE is read-only.
  - Each layer edit privileges are determined by data owner request and assigned by the Central GIS Admin Team
  - Each division has its version that it can connect to make edits.
  - Edits made in Edit_CitySDE are reflected in CitySDE on the next business day or specified by the data owner
- **Should my data go into a File Geodatabase (GDB)?**
  - If data is for a one-time project
  - If you are the only editor
  - If data has a high access level and cannot be shared internally
- **Where should I create an online web map, application, or survey?**
  - We recommend using the City Portal for all. City Portal allows public, private, and group sharing.
  - If you are working with a consultant or someone outside of the city, we can create a temporary account for them to use.
- **How do I know if a layer I need already exists?**
  - Connect to our CitySDE to search
  - Search by name or the feature dataset group
  - Look in CitySDE Services group in City Portal, all services are organized by their corresponding feature dataset group tag

- **Should I publish a hosted feature layer from ArcGIS Pro or City Portal?**
  - Dependent on data that you are publishing:
    - If data is connected to a gdb or sde and requires frequent updates/republishing, then publish from ArcGIS Pro.
    - If data is static or from a file, then you can publish it directly in City Portal. If you publish from a file, you can overwrite the feature layer in City Portal to update (as long as sync is not enabled)
- **What are the best practices for publishing a new feature service?**
  - Check to see if data already exists to avoid duplication
  - Confirm data source location
  - Determine update frequency
  - Review data privacy and ensure you are sharing appropriately
  - Metadata
    - From ArcGIS Pro, Input feature service metadata, see "arcgis_pro_metadata_template" and tag the feature service by the division and data keyword. Keywords are a concise way of describing the data. For example, when publishing Sales Tax data the tags would be: planning, sales tax. "Planning = division and "sales tax" = keywords. ** *if you publish a service from ArcGIS Pro, you do not need to input metadata in City Portal because ArcGIS Pro metadata is applied to the service automatically.* **
    - From Portal, Input item metadata, see "city_portal_template". The same tagging schema applies as the publishing feature service shown above.** *Only input metadata for feature services published directly in City Portal as well as any item created in City Portal: Web maps, apps, story maps, surveys, etc.* **
- **When should I create metadata?**
  - For data to be added into SDE, metadata is required, see "metadata_template".
  - It is best practice to create metadata document from data in gdb as well, especially if it will be hosted as a feature service.
- **What geolocator should I use?**
  - When geocoding or using directly in map or application, always use parcel_address or street_address. These two locators are created from Salt Lake City addressing and parcel data. They are readily available in the City Portal and can be added to a map in ArcGIS Pro from here: //slcigis/Share/Locators
- **How do I get a GIS Account/License?**
  - Reach out to the Central GIS team gis@slcgov.com or submit a helpdesk ticket.

- **What type of GIS Account/License do I need?**
  - City Portal
    - Listed below are the following GIS software that require a City Portal account and licensing. Once created, the user will have single sign-on to use their City Portal account with the city employee username and password.
      - ArcGIS Pro
      - Geocortex Viewers (CityViewer)
      - Cartegraph
      - Survey123
  - ArcMap
    - For use of ArcMap software
    - Separate account from City Portal but use city employee's username and password after creation and single sign-on.
  - ArcGIS Online
    - For use of ArcGIS Online
    - A separate account that is created for the user with a unique username and password.
- **Can there be multiple editors within a group?**
  - Yes- we can create a group with shared editing capabilities. This allows any content shared with the group to be edited by group members. We can assign a user to be the group manager and control adding/removing members and sharing of content.
- **Can I migrate existing work from ArcMap to ArcGIS Pro?**
  - Yes- ArcMap fields can be imported into ArcGIS Pro and converted to an ArcGIS Pro project.
- **Can I migrate existing work from ArcGIS Online to City Portal?**
  - Yes- feature services, web maps, and apps can be moved to the City Portal
  - Limitations do apply to dashboards, story maps, and surveys. Please reach out to Central GIS for assistance.
- **Who do I contact for questions, account creation, or anything GIS?**
  - Central GIS Team- Nick Kryger, Valerie Petersen, Kevin Bell, and Linn Weng.
- **When asking for GIS data from a consultant/contractor. What file type should the GIS data be delivered?**
  - All delivered GIS data may consist of all or some of the following filetypes:
    - Feature Geodatabase
    - CAD Files (preferably GIS format and with Coordinate System Information included)
    - Excel (preferably .csv format)