

GIS Coordinate Verification Cheat Sheet

SMUD is looking for coordinates to come over in a specific format, California State Plane, Zone 2, NAD83, in feet. An example of this version is 6705407.614, 1970500.182.

Coordinates should be in this range:

- The first number is in the 6 million range (6xxxxxx.xxx)
- The second number should be in the 1.8-2.0 million range (18xxxxx.xxx-20xxxxx.xxx).

The following formats are incorrect:

- If you have a location that has degrees in it, like 38.5719190°, -121.4972280° or 38°34'18.9084", -121°29'50.0208", it is in the wrong format.
- If your location has something like 2043812.329, 600609.657, it's probably in state plane, but it is using meters instead of feet. It's still incorrect.

If you need to convert your coordinates, please use the resource below:

<http://www.earthpoint.us/StatePlane.aspx>

Also, make sure to include the three main components on your map:

- Device (antenna)
- City pedestal where the device is being powered
- SMUD POC, where the city's pedestal is getting power

If these three components are not delineated on the map, then we'll return the application for revision.