**Phase 1: Projection Method**

- Filter well permit data for new, permit-exempt domestic wells *(Group B & individual)*
- Map well locations *(Join to parcels or use GPS. Maintain attribute data.)*
- Map additional parcel connections to PE wells *(Group B only)*
- Spatial query to obtain totals by subbasin
- Divide number of wells by years in range to derive annual rates *(Connections per year)*
- Compare rates. Determine which is most appropriate for projecting forward.
- Multiply selected rates over 20-year planning horizon *(By subbasin)*

**Phase 2: Parcel Inventory**

- Is the parcel located within Urban Growth Area? **YES**
  - Is the parcel currently within water & wastewater system’s boundary? **YES**
  - Is it already built upon? **YES**
  - Is the land use or zoning category likely to prohibit domestic dwelling unit use? **NO**
  - Parcel is potentially developable with PE well (by subbasin).

- **PE WELL FORECAST**
  - Use TPH data to determine trends in PE growth by subbasin, and distribute overall among subbasins
  - Sum potentially developable parcels (i.e. maximum/upper-bound)

**Number of PE wells forecast by subbasin**

Compare forecast to Phase 2 totals