**PE Well Projection Recommendation from Technical Workgroup**

The workgroup has identified one method for the technical consultants to start working on, and to present to the WRIA 10 Committee in June.

1. Use Tacoma Pierce-County Health Department (TPCHD) well data of wells drilled in the past 10-20 years to project the rate of well increase in the next 20 years of wells.
   1. Segregate data into sub-basins, and inside water system areas and outside of water system areas (if needed).
   2. Use past rate to estimate future rates and numbers of domestic PE wells in each sub-basin.
   3. Provide a range of projections to account for different development patterns and futures (for instance, using different time scales: 1998-2018, 1998-2008, 2008-2018).
   4. Run the projection using well data from areas inside Group A water systems, and outside the Group A water systems.
2. Use high-level developable lands to validate PE well rate: Use GIS to estimate general development capacity in the area of the watershed not served by Group A systems.
3. Exclude forestry lands, public lands, already fully developed areas.
4. Overlay zoning information to capture residential density potential on the remaining area.
5. Calculate the available development potential of the area.
6. How does it line up with the TPCHD well data projections?

*Advantages*: TPCHD location data is accurate to parcel level. Data includes individual, shared, and Group B wells. Data does not rely on population estimates, or assumptions about household size. Shows how frequently wells are constructed in areas within Group A water systems. Includes a reality check on the individual sub-basins.

*Assumptions*: past trends will continue. Additional assumptions based on the degree of detail included in the developable land review.