

**From:** "Gene Montgomery" <montgomerygene@gmail.com>  
**To:** <klguz@saws.org>  
**Date:** 2/20/2008 7:27 AM  
**Subject:** Population Idea

**Attachments:** Pop-Meter Ratio Modeling.doc;

**CC:** "Vanessa Escobar" <Vanessa.Escobar@twdb.state.tx.us>, "Comer Tuck" <Come...

Karen, following our discussion at the Jan 30 meeting, I have reviewed your GPCD Calculations presentation that you provide us. You have done a great job of defining the problem of getting the population numbers for the calculation. As discussed at the meeting, this is a formidable challenge to defining the metrics for measuring water use and success in a conservation program. It occurred to me after the meeting that for similar areas the ratio of population to meter count might not have that much variation especially considering the variation that already exists in the census data. It seems to me it would be worthwhile to try to collect some data that could be put into a model that would allow the TWDB to publish recommended pop/meter ratio numbers for various area types. Model data could be used by water systems to easily calculate population data knowing their meter count and service area types. For those systems that have a good fix on population, these model ratios could be used to adjust their population data between censuses to compensate for changes in their service areas. Just an idea for consideration by the group.

As we discussed at the meeting, I had a spreadsheet that went with the "Municipal Water Use Example" I sent you earlier that is posted on the website. The spreadsheet is attached also.

Gene Montgomery

142 Hemming Road

Valley View, TX 76272

(940) 637-2402

E-mail: montgomerygene@gmail.com