

Suggested Changes to NMOSE GPCD Calculator Workbook

We need to think about this as being simply a tool for reporting water use and displaying the results for the reporter to verify that the reported data correctly reflects the actual conditions. **We should not be trying to build a workbook that will give a water provider a full range of analysis and planning tools.** The fact that this is an Excel workbook makes it easy for a water provider to expand the analytical use of the data in whatever manner they might choose. The analytical and planning can, and should, be done outside what is reported and shown in the report charts and graphs. This makes it possible to accurately report the factual history without having to draw any conclusions or make projections on future use.

The changes needed to the NMOSE calculator are very simple:

1. Separate ICI (Industrial, Commercial & Institutional) into separate sectors with the ability to input the "Number of Connections" for each. Some water providers may not want to separate commercial and institutional and it might be desirable to give an option in the workbook to combine these two sectors which would be very easy to do. Also, some providers may not have a significant industrial use and they could easily classify those small industrial uses as commercial and not enter any industrial data.
2. Eliminate the page "8. SUMMARY GPCD REPORTED DATA" as the workbook provides all this information to the reported on the "9. ANNUAL PERFORMANCE" and "10. MONTHLY PERFORMANCE" tabs in the workbook. On tab 10 the reporter can view the monthly GPCD for every sector which is all the bottom two charts on page 8 do for just two sectors. The top chart on Page 8 is duplicated on page 9 with but also shows the sector breakdown.
3. Modify the chart on the annual reporting performance page 9 so that the order of the sectors starting at the bottom are Non-Revenue Water, SFR, MFR, Institutional, Commercial, Other Metered, and finally industrial at the top. This will clearly show the total performance without the industrial component and in fact the chart should include a line that identifies the total performance without the industrial component.
4. Do we want to limit the data to 7 years? It may be worthwhile to provide for data to be achieved for a longer period of time.
5. The handling of REUSE needs to be reviewed and made consistent with the Texas policy decisions re the formula for GPCD given in the Water Conservation Implementation Task Force report which recognizes reuse as a conservation strategy and gives credit to reuse in the calculation of "Total GPCD". The Task Force recommendations were subsequently accepted by the WCAC. This recognition and credit is not a part of the New Mexico approach. It makes more sense and is less confusing to have all of the categories of use separated and then let individuals add up categories as they see fit!
6. The workbook needs to allow separate "persons per meter" ratios for SFR, MFR and Institutional.
7. The definitions need to be reviewed for consistency with Texas policies and practices. We really need to have this reporting system designed for use by all water providers and as such we need to clarify that the reported volumes and population data are for the water provider's service area. Having the term "residential" defined to apply only to an area within a city limits is only going to create confusion. It seems like the definition of "residential" could be changed to make it apply to the service area of the reporting entity. This would allow any report by a city to indeed be within the city limits but would also allow a water provider that has a different service area boundary to make a report for that area.