Unit conversion error
Calculator/Processing Module:
ExpectedDemand_ExceedsFV_UnitConversion_UseVsDiv_Statistics

Examples:
- When the reported diversion is substantially larger (or sometimes smaller) than their face value, most likely it is a unit conversion error.

What (is being flagged):INI_REPORTED_DIV_AMOUNT

Why:
- Large errors in the data will cause water allocation to be inaccurate.

Data Source:
- [ewrims_flat_file.csv](#)
- [water_use_report.csv](#)

Existing Fields:
- APPLICATION_NUMBER (ewrims_flat_file.csv)
- INI_REPORTED_DIV_AMOUNT (ewrims_flat_file.csv)
- INI_REPORTED_DIV_UNIT (ewrims_flat_file.csv)
- FACE_VALUE_AMOUNT (ewrims_flat_file.csv)
- FACE_VALUE_UNITS (ewrims_flat_file.csv)
- APPL_ID (water_use_report.csv)
- WATER_RIGHT_ID (water_use_report.csv)
- YEAR (water_use_report.csv)
- MONTH (water_use_report.csv)
- AMOUNT (water_use_report.csv)
- DIVERSION_TYPE (water_use_report.csv)

New Fields:
- Total_Use_as_a_Percent_of_Total_Diverted - The total cumulative use divided by total cumulative diversion. This should approach 1, but should not exceed it, as use cannot occur PRIOR to diversion. Percentages that deviate from near 1 (either high or low) suggest that an error in either the diverted amount or the use amount are likely present
- Annual_Diversion_if_reported_in_Gallons -Reference calculation to show what the volume would be in AF, assuming the user reported in units of Gallons
- Annual_Diversion_if_reported_in_GPM -Reference calculation to show what the volume would be in AF, assuming the user reported in units of Gallons per minute

- Annual_Diversion_if_reported_in_GPD- Reference calculation to show what the volume would be in AF, assuming the user reported in units of Gallons per day
- Annual_Diversion_if_reported_in_CFS - Reference calculation to show what the volume would be in AF, assuming the user reported in units of cubic feet per second