

## **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