

# High Usage Detection

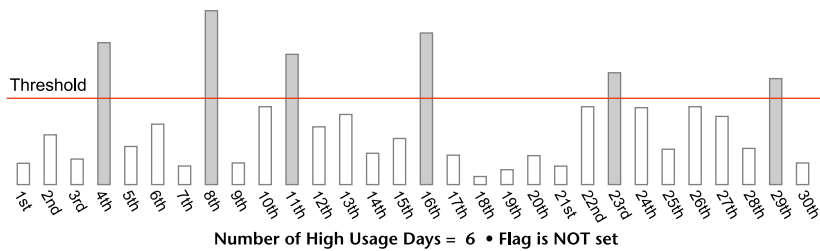


The M2 Water Meter Radio Transceiver provides a flexible function to monitor general high usage, particularly in commercial and industrial accounts where leak detection and conservation monitoring are difficult to implement.

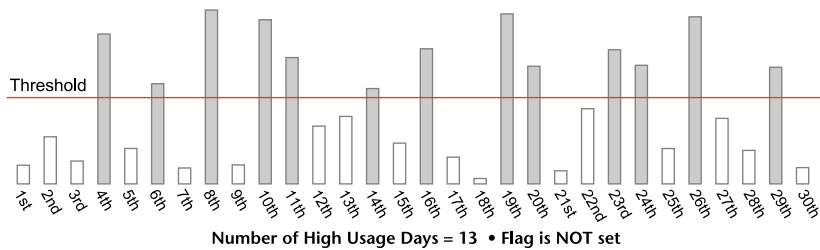
## Description

The high-usage function simply looks for accounts which use a significant amount of water consistently throughout the month. The function allows the user to define "high usage" by the quantity of consumption (in gallons) and the number of times this quantity is used during the month. This function is targeted toward commercial and industrial accounts which may not be closely monitoring their own consumption. Indication of this condition could mean an undetected internal process problem. Also, with the radio's real-time clock, larger leak studies and water balance studies can be implemented.

- Set High Usage Threshold (gallons)



- Set Number of Days limit



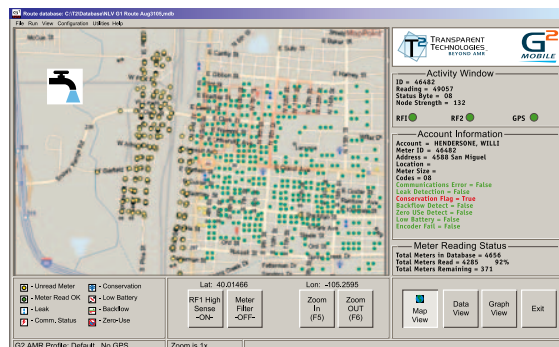
## Operation

The radio monitors consumption continually. If the high usage threshold is exceeded the set number of days, the radio sets a flag indicating the condition and transmits the flag with every transmission. The G2 Mobile System displays an icon for the meter indicating the high usage and also passes this information to the Data Center or the billing system. A datalog can be downloaded showing the consumption pattern that caused the flag.

### Measurement



### Notification



Activity Window  
ID = 46482  
Station = 46057  
Status Byte = 06  
Meter Size = 332

Account Information  
Account = HENDERSON, WILLE  
Meter ID = 46482  
Address = 4588 San Miguel  
Location =  
Meter Size =  
Code = 88  
Conservation Flag = False  
Leak Detection = False  
Conservation Flag = True  
Backflow Detect = False  
Zero Use Detect = False  
Low Battery = False  
Incluser Full = False

Meter Reading Status  
Total Meters in Database = 4656  
Total Meters Read = 4230 = 92%  
Total Meters Remaining = 371

### Analysis

