

SmartRain™ Rain Data Integration

SmartRain™ integrates your SmartCover level and flow data with Doppler radar and local rain gauge data. This integration creates an easy method to develop a comprehensive understanding of the relationship between your collection system level or flow affected by rain events. Rain data is acquired from any desired location and presented in the user interface along with level or flow data in a single display.

How it Works

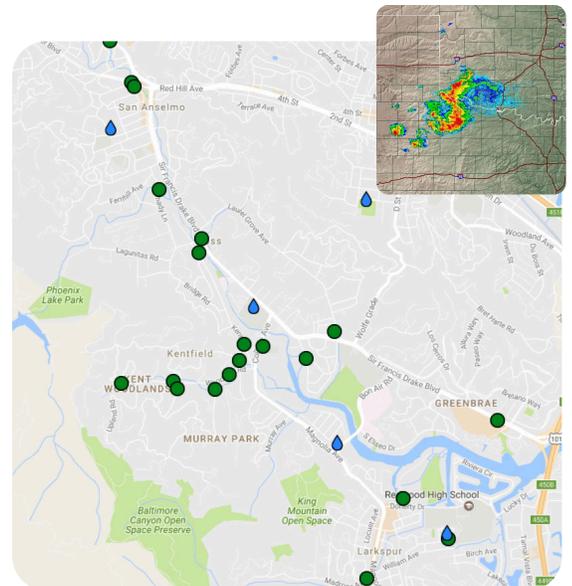
The location of SmartRain gauges is determined by specifying latitude and longitude of the desired sites in relation to National Oceanic and Atmospheric Administration's (NOAA) National Weather Service. Combining and calibrating these coordinates with ground-truth physical rain gauges, provides near-real time rainfall rates at the specified location. Locating multiple rain monitoring sites in a given sewer shed reveals 'cause and effect' relationships in the basin. Creating a 'rainfield' using a grid of rain monitoring sites is easily deployed, enabling local variability of rain events to be captured.

What it Does

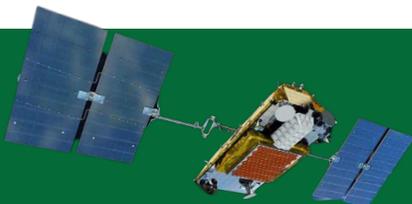
Monitoring and analysis of these multi-layered data points obtains precise timing and location of inflow and infiltration (I&I) at various points within your collection system. When SmartRain is used in concert with level or flow data it quickly reveals sources of I&I -- these data sets are powerful tools for prioritizing capital improvement projects (CIP) to mitigate I&I impact on your collection system.



Works with current SmartCover level and flow sites



Blue rain drops represent SmartRain gauges



With satellite based data transmission, your sewer status connection is maintained even during cell outages and the most severe weather.

