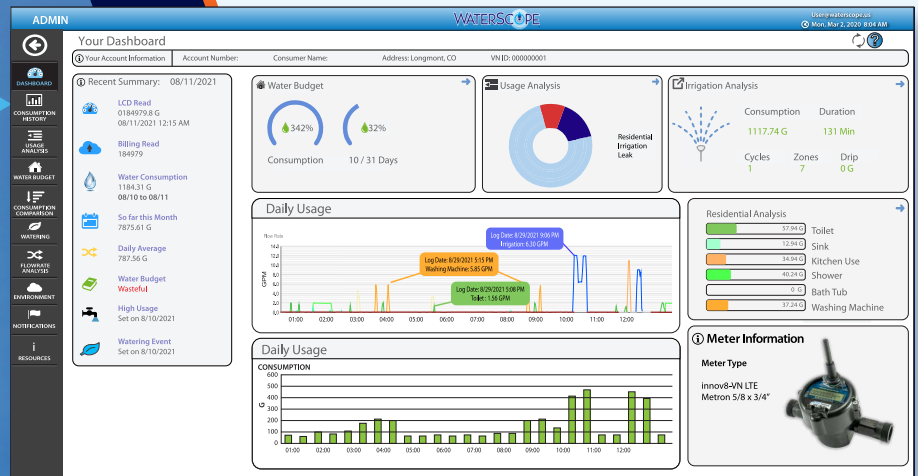


# Metron-Farnier

Smart Water Meters & Systems

## VN Virtual Network

Metron-Farnier has teamed with the country's largest wireless 4-G network provider to offer the Virtual Network system for water utilities. The VN System communicates over the existing Verizon Wireless network which means no new infrastructure, no installation or maintenance hassles, and superior performance. The "virtual network" allows for immediate deployment of endpoints and utilization of high-resolution interval data.



The VN system requires **no new infrastructure** and provides 1-minute data resolution.

innov8-VN

innov8-VN<sub>r</sub>

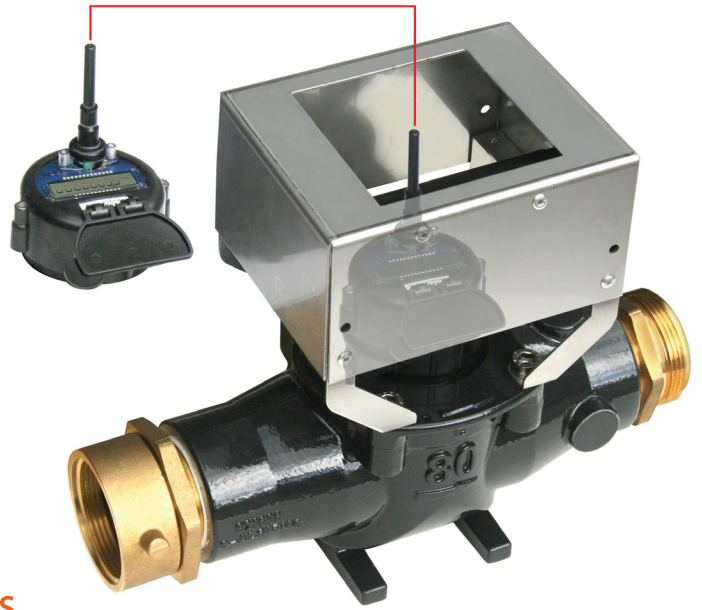
**Universal Endpoints** can be deployed on virtually any existing meter.

**MACHINE-TO-MACHINE**



## Hydrant /Construction Meter Application

Introducing the **VOYAGER 3" Hydrant Meter** with VN cellular-based 4G LTE registers. Existing hydrant meters may be retrofitted with the VN register depending on manufacturer. The meters will report-in every day with readings and consumption history, even when you are not sure of where they are. Talk to your local Metron-Farnier representative to discuss your 3" new hydrant meter applications, or to verify if a VN register is compatible with your existing hydrant meters. Available with optional GPS tracking.



## Conservation/Irrigation/Watering-Event Monitoring System

**Water Scope** provides the most granular data for monitoring watering events of any AMI system on the market today. Continuous 1-minute sampling of consumption will monitor & alert for the following events EVERY day:

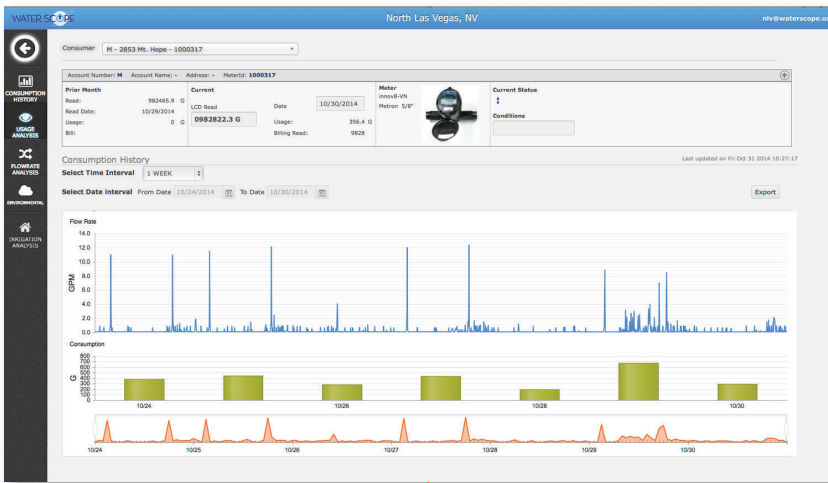
- Set the system for voluntary or mandatory restrictions
- Tracks the number of times the property waters per day and week
- Tracks the time of day the watering event occurs
- Utilizes the billing system interface to track odd-and-even address adherence to watering restrictions
- No longer will there be a need for time-consuming and expensive "water crops"
- All consumption history will be accessible via the Utility portal enforcement and Consumer portal so that property owners can verify adherence and be alerted when watering events violate current restrictions.



# Utility and Consumer Access – Meter Analytics Website



Powered by: **verizon**  
partner program – member

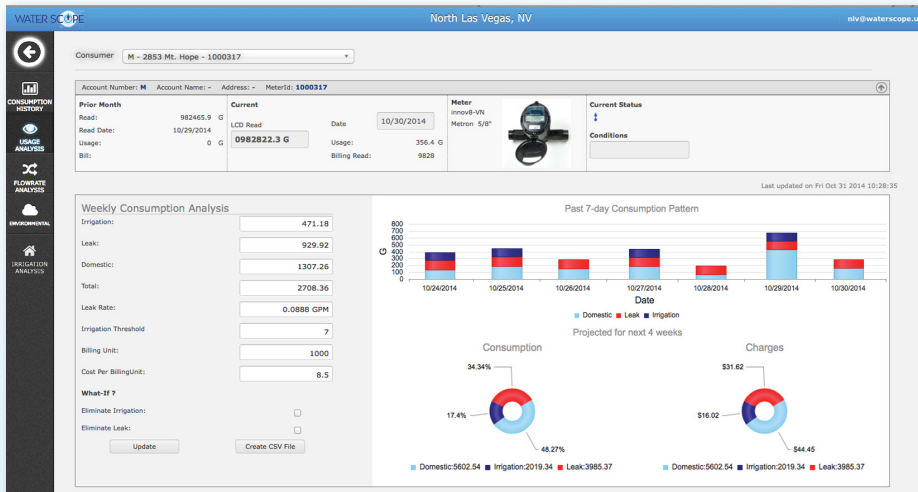


Interactive Rate of Flow



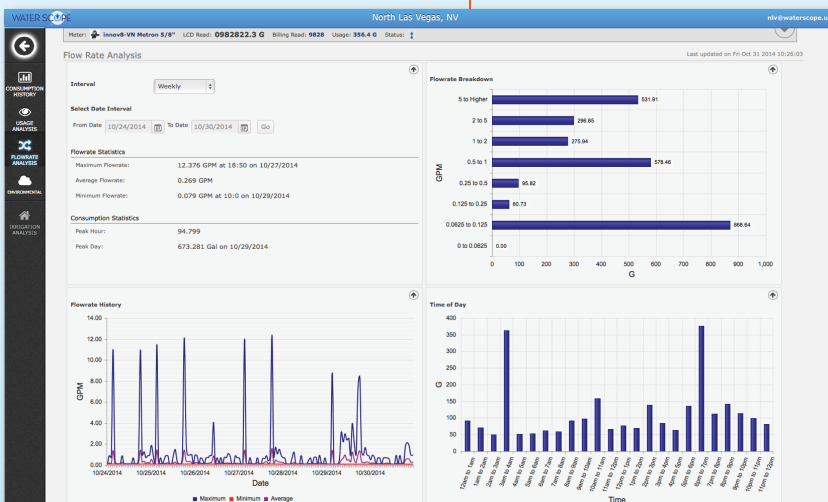
## Virtual Network (VN) Features and Benefits

- **Completely Scalable Deployment:** Install 1 or entire system today ~ Read them tomorrow ~ No infrastructure installation, ownership or maintenance ~ Free unlimited access to Water Scope website for daily reading, high-level analytics, billing and usage profiles ~ Strategic deployment accounts include:
  - Commercial/Industrial/Large Users
  - Hard Access Customers
  - Military Bases
  - Chronic Complainers
  - Fill-in holes in existing AMI Systems
  - Hydrant/Construction Meters
  - Master Meter Interconnections



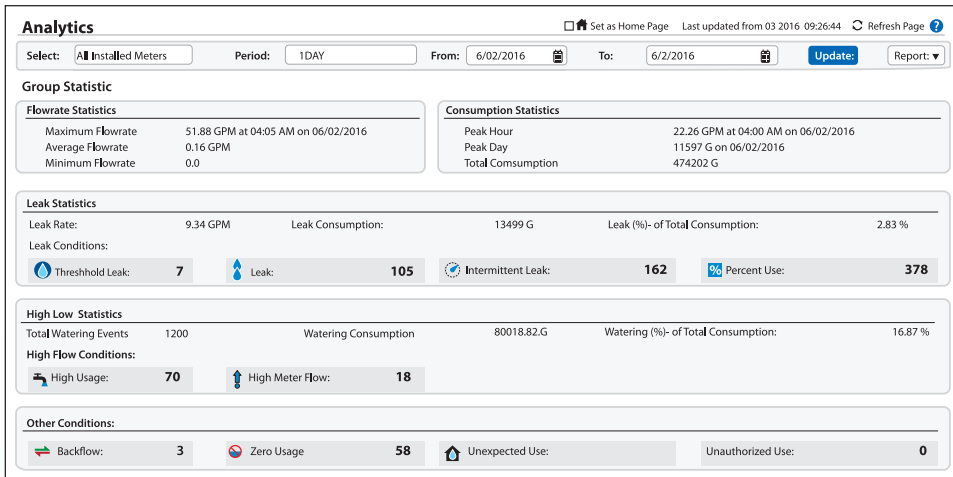
Identification of the Type  
of Water Consumption

Meter Sizing, Time of Use  
and Flow Rate Percentages



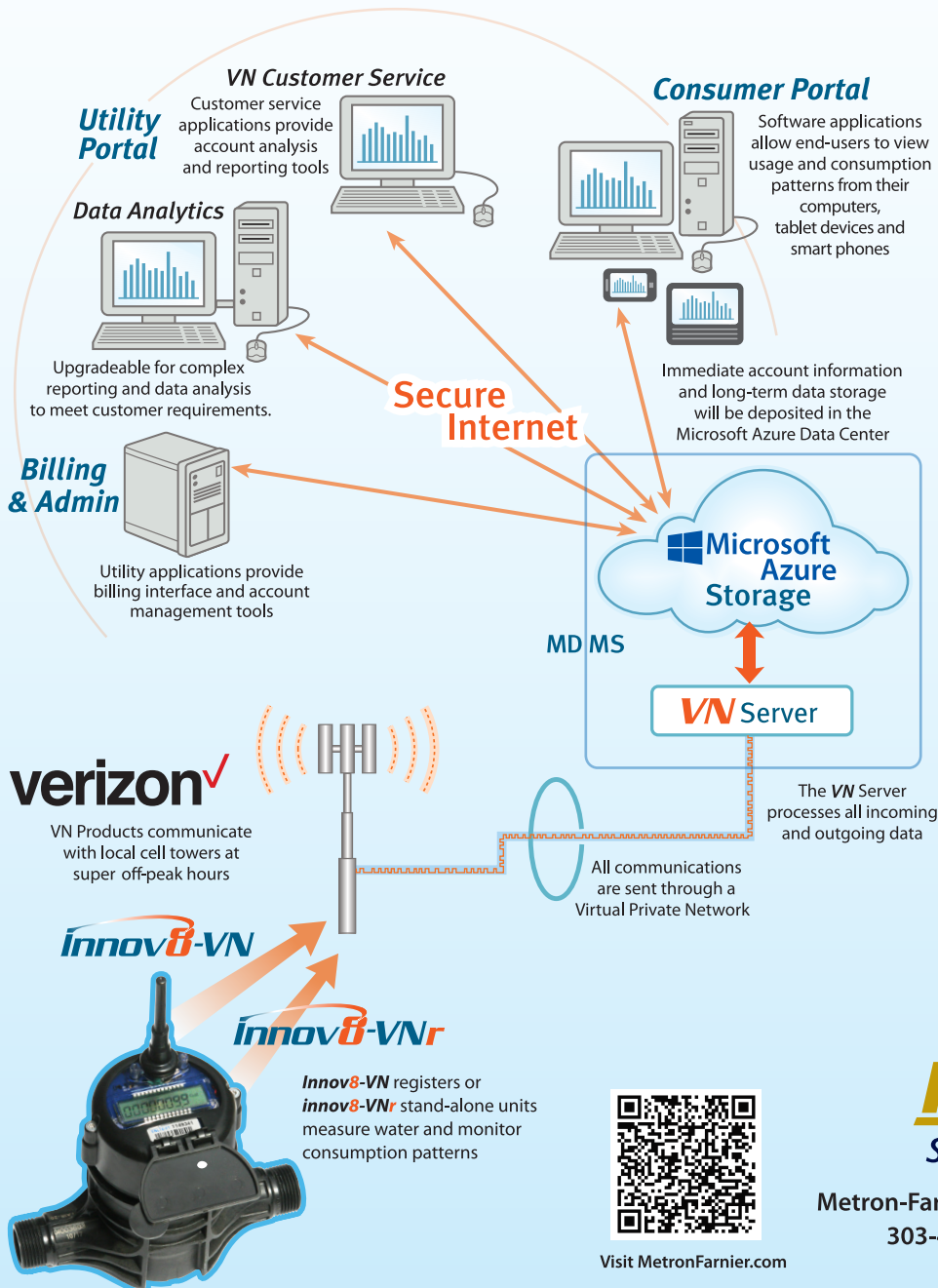
- **Retrofits to most modern mechanical meter bodies** ~ No need to change the meter
- Increase existing PD/Piston meter accuracy to beyond new meter specifications
- **Connects directly to Verizon 4G LTE Network:** **NO** Propagation Studies, **NO** Hardware, **NO** Software, **NO** Servers, **NO** Support Costs, **NO** Network Headaches
- Industry leading 1-minute continuous sampling and Sub 1/10 GPM resolution
- Highly-evolved Utility and End-User access Metron's Water Scope secure portal
- **Secure cloud storage** through the Microsoft Azure platform

# System-Wide Daily Analytics



- System Overview for Daily, Weekly, Monthly & Utility-Selectable Dates (customizable groups)
- Max/Min/Average flow rates with timestamp for the selected time interval
- Summary of System Leaks – rate of flow, number of leaks, number of threshold leaks and number of leaky toilets
- High-Flow Condition Synopsis
- Irrigation/Watering Event Conservation Adherence
- Number of Backflow, Zero-Use, Unexpected and Unauthorized-Use Events

## How the system works is simple and concise.



## Innov8-VN<sup>4G LTE</sup>

Electronic register for new meter or retrofit applications



### Compatibility list

- Sensus SR-II
  - Sensus Precision
  - Metron
  - Badger
  - Neptune
  - Elster-AMCO
- Check with your local Rep for pending models

## Innov8-VNr<sup>4G LTE</sup>

Stand-alone modem for connection to registers



### Compatibility list

- Metron
- Sensus Pulse
- Hersey
- Elster-AMCO
- Ultrasonic
- Badger Pulse & Encoder
- Neptune Encoders
- Switch Closures
- Active Pulse
- Master Meter
- Magmeter



Visit [MetronFarnier.com](http://MetronFarnier.com)

## Metron-Farnier™

Smart Water Meters & Systems

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