

 ***iHydrant*** by

CLOW
CLOW CANADA

iHydrant™

**Remote pressure and
temperature monitoring
for Brigadier dry barrel
hydrants.**

iHydrant.com



For Generations

iHYDRANT™ REMOTE SENSORS FOR CLOW CANADA BRIGADIER HYDRANTS

Track pressure and temperature changes and get alerts at a moment's notice via smart hydrant sensors deployed across your water system.

Knowing the exact moment your water grid experiences a hydraulic event or is threatened by rapid pressure or temperature fluctuations is now possible via iHydrant™ remote sensors for Clow Canada hydrants. iHydrant™ operates on a secure IoT network to transmit data to the cloud, which is

then accessible on your utility's hosted dashboard. iHydrant™ allows you to monitor precise fluctuations in your water system in real time that reveal money-saving data and help you recapture non-revenue water.

Device Features

The iHydrant™ unit is designed for easy installation, low maintenance and years of reliability.

Operates on Verizon® IoT cellular network for instantaneous, long-distance data transmission.

Full-Time Pressure/Temperature monitoring in the lower valve of your dry barrel hydrant.

Long-life battery holds charge for up to five years before replacement.

Capture data as often as 50x per second.

Sensor picks up micro fluctuations in pressure and temp.

Available as a complete unit or retrofit for Clow Canada Brigadier hydrants.



Easily install the Clow Canada Brigadier hydrant iHydrant™ in the field.

Your iHydrant™ Dashboard

Your dashboard is the portal to your entire iHydrant™ network. From here, you can see your data in real time for all devices, specific hydrant zones or one hydrant at a time.

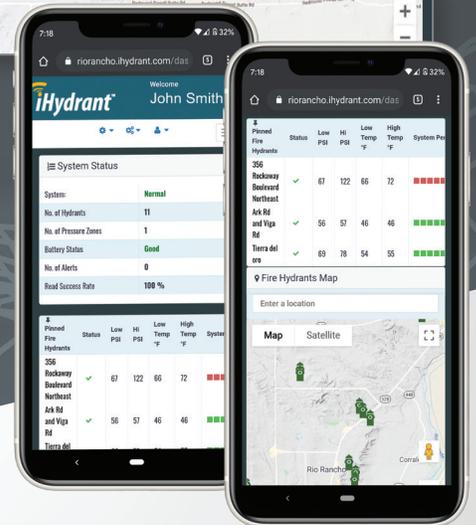
The dashboard interface includes a search bar, a sidebar menu with options like Dashboard, Hydrants, Reports, and System Status. The main content area is divided into several sections:

- System Status:** Shows overall system health. In the screenshot, it is in a "Warning" state. Metrics include: No. of Hydrants: 26, No. of Pressure Zones: 5, Battery Status: Good, No. of Alerts: 2, and Read Success Rate: 96%.
- Pinned Fire Hydrants:** A table listing specific hydrants with their status and performance metrics.

Pinned Fire Hydrants	Status	Low PSI	Hi PSI	Low Temp °F	High Temp °F	System Performance (Last Reads)	Action
1 NE 13th St	✓	91	104	45	45	████████████████████	Update
1253 Northwest Canal Boulevard	✓	74	92	55	55	████████████████████	Update
1996 Southwest 42nd Street	✓	54	65	34	38	████████████████████	Update
2844 Southwest Cascade Vista Drive	✓	38	64	46	48	████████████████████	Update
2821 Northwest 19th Street	✓	101	122	45	45	████████████████████	Update
655 Northwest Jackie Avenue	✓	76	93	52	54	████████████████████	Update
- Fire Hydrants Map:** A map view showing the geographic distribution of hydrants in the Redmond Midtown Planning Study Area. It includes a search bar and map controls.

iHydrant™ Dashboard Features:

- Hosted remotely for anytime access with no downtime risk.
- Accessible anywhere via desktop or mobile browser.
- Create custom logins for multiple users.
- Visual data collection for pressure and temperature, scalable down to the second.
- Export your data for additional manipulation or on-site storage.
- Set alerts for pre-defined events or to your own custom parameters.
- Battery life and reception monitoring and reporting let you know when to check a unit or replace a battery.



"iHydrant™ has been beneficial to the utility by identifying different hydraulic events that impact normal daily operations. This has resulted in lower response times for repairs and a reduction in lost revenue due to water losses. iHydrant™ has also helped us to identify hydraulic conditions that are occurring in the distribution system that we were previously unaware of."

Josh Wedding, City of Redmond Water Utilities Manager

Bringing your hydrants online with iHydrant™ means you get the ease and convenience of modern data-collection technology plus compatibility with the Clow Canada Brigadier hydrant in your arsenal. Suitable for mounting on top of any Clow Canada Brigadier dry barrel hydrant, iHydrant™ does not interfere with normal operation, allowing you to collect data without taking the hydrant out of operation, even in freezing conditions.



Reduce non-revenue water with up-to-the-second data from your hydrant.

iHydrant™ is a feature-rich monitoring tool designed to save money through grid analysis, problem prevention and rapid-response mitigation.



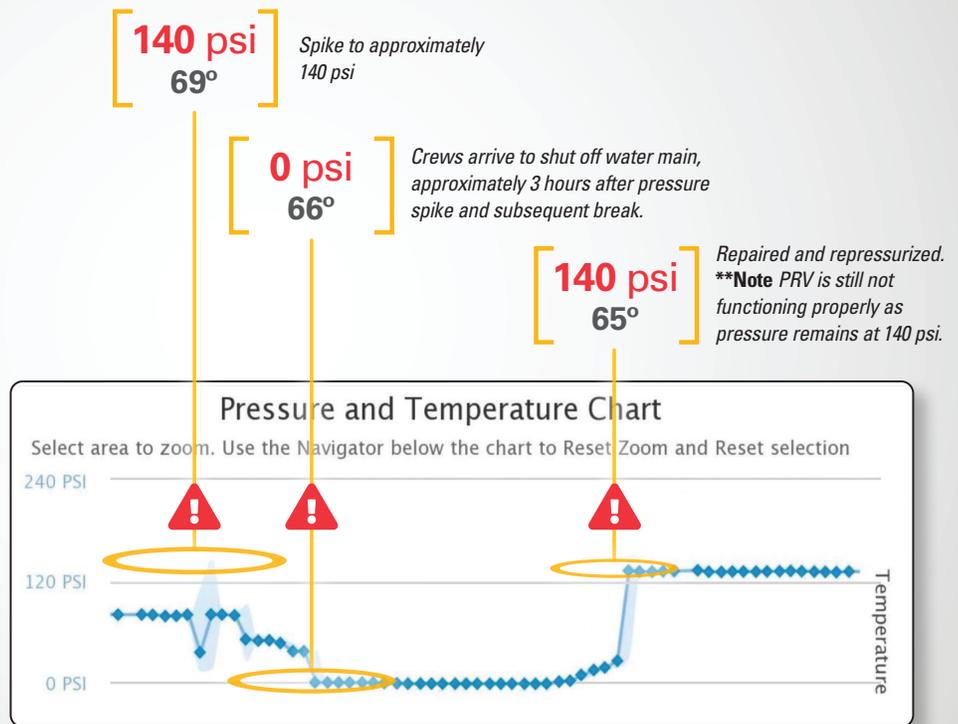
Real-time, whole-system feedback allows you to identify potential problem areas and proactively maintain the system to prevent main breaks before they occur.



Rapid alert systems provide notification in response to system changes, reducing utility response times and water losses.



Remote monitoring allows for more efficient human resource allocation and job efficiency, further reducing costs associated with the system.



With **affordable one-time installation costs and low annual maintenance and support fees.**, iHydrant™ can pay for itself by preventing or alerting you in real time of water loss events. Over time, iHydrant™ will help reduce costs associated with water loss, becoming an integral part of your system.

Contact your Clow Canada sales representative for more information or to schedule a product demo.

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

Clow Canada Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80+% recycled content in our hydrants and valves.



245 Industrial Dr.
Grandview Ind Park
Saint John N.B
E2R1A4
Ph 905-548-9604 | Fx 905-547-0113