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**Symmons Evolution Property Audit Form**

**Water Flow Monitoring**

# Instructions

1. Please fill out the ***Property Information*** below
2. Please read ***Recommended Property Sensor Applications*** on Page 2
3. Please select from one of the two ***Sensor Types*** and fill out the applicable ***Flow Monitoring*** template for each sensor requested:
   * **Water Meter Sensor**
   * **Clamp-On Pipe Flow Sensor**
4. Please attach the following documents:
   * Most recent previous two water utility bills
   * Property / Site Layout Plans (can be high-level, physical overview)

|  |  |
| --- | --- |
| **Utility Meter Sensor** | **Clamp-On Pipe Flow Sensor** |
| Sensor straps to the side of an existing water meter and delivers real-time flow data and alerts, 24/7. | Install on any Stainless Steel, Copper, PVC, Iron and Resin pipe, delivering real-time flow data and alerts. |
| **Note: Must Specify Meter Make / Model and if Meter is Compound or Single.** | **Note: Pipe Outer Diameter must be specified for each location to ensure correct sensor model. Models range from ¼” to 8” pipe sizes.** |
|  | Flow Sensors / Flow Meters | KEYENCE America |

# Property Information

|  |  |
| --- | --- |
| **Property Name** |  |
| **Property Address** |  |
| **Contact Name** |  |
| **Contact Email** |  |
| **Contact Phone** |  |
| **Quantity:** Water Meter Sensor |  |
| **Quantity:** Clamp-On Pipe Flow Sensor |  |

# Recommended Property Sensor Applications

**About Symmons Evolution**

Graphical user interface, application

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**Quick Facts**

* + Each Property is assigned a Symmons Customer Success Manager who remotely onboards, trains, manages facility alerts and follows up on a monthly basis to review site anomalies and assets areas to address issues and save water.
  + All sensors wirelessly communicate to a Symmons Evolution Cellular Gateway (Verizon or AT&T), typically 2-4 Gateways needed per facility depending on size and number of buildings (>1 mile connectivity line-of-sight). Wireless coverage and sensor up-time is the responsibility of Symmons.
  + All sensors are non-invasive to pipes and meters and require no shutdown.
  + Both the ***Utility Meter Sensor*** and ***Clamp-on Pipe Flow Sensor*** report the same data: ***Totalized Water Volume Used*** and ***Instantaneous Flow Rate*** (Cubic Feet and Gallons).
  + Water Utility Bill Estimates, Period Ending Projections and trend data is given for each asset along with SMS, Email, and Emergency 24/7 outbound call service.

**Recommended Property Asset Coverage**

|  |  |
| --- | --- |
|  | **Asset** |
| 1 | Main Domestic Water Utility Meters |
| 2 | Cooling Tower Water Supply |
| 3 | Chiller Makeup Water Supply |
| 4 | Restroom Main Water Supplies |
| 5 | Food Courts or Restaurants |
| 6 | Irrigation Systems |
| 7 | Large Tenants / Mixed Use Annex Spaces |
| 8 | Large Fountains |

# Sensor Flow Monitoring Information

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Utility Meter Sensors** | | |
| **#** |  | | |
| **1** | **Meter Make / Model** |  | **Photo of Meter:** |
| **Single or Compound Meter?** |  |
| **Property Location** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **2** | **Meter Make / Model** |  | **Photo of Meter:** |
| **Single or Compound Meter?** |  |
| **Property Location** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **3** | **Meter Make / Model** |  | **Photo of Meter:**  **Shape  Description automatically generated with low confidence** |
| **Single or Compound Meter?** |  |
| **Property Location** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **4** | **Meter Make / Model** |  | **Photo of Meter:**  **Shape  Description automatically generated with low confidence** |
| **Single or Compound Meter?** |  |
| **Property Location** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **5** | **Meter Make / Model** |  | **Photo of Meter:**  **Shape  Description automatically generated with low confidence** |
| **Single or Compound Meter?** |  |
| **Property Location** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |

Please copy template for more sensors.

|  |  |  |
| --- | --- | --- |
|  | **Clamp-On Pipe Flow Sensor** | |
| **#** | **Flow Sensors / Flow Meters | KEYENCE America**FD-R Series Clamp On Flow Meter | KEYENCE America | |
| **1** | **Pipe Outer Diameter (OD)** |  |
| **Property Location** |  |
| **Is at least 5” length of pipe available for sensor placement? (Yes/No)** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **2** | **Pipe Outer Diameter (OD)** |  |
| **Property Location** |  |
| **Is at least 5” length of pipe available for sensor placement? (Yes/No)** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **3** | **Pipe Outer Diameter (OD)** |  |
| **Property Location** |  |
| **Is at least 5” length of pipe available for sensor placement? (Yes/No)** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **4** | **Pipe Outer Diameter (OD)** |  |
| **Property Location** |  |
| **Is at least 5” length of pipe available for sensor placement? (Yes/No)** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |
| **5** | **Pipe Outer Diameter (OD)** |  |
| **Property Location** |  |
| **Is at least 5” length of pipe available for sensor placement? (Yes/No)** |  |
| **Access to 120 VAC Power? (Yes/No)** |  |

Please copy template for more sensors.