



Information Technology Manager's Report

Organization, Personnel, and Technology Committee

Item 7b

January 11, 2022

Innovation – Digital Workplace and Mobility

- Meter Assessment Project
 - Condition assessment of 360 service connection billing flow meters
 - Evaluate the condition of each flow meter to determine which ones are in need of replacement/refurbishment
 - Teams: WSO, Corrosion, Engineering Design, Facility Planning



Goals for New Application

- **Consistency** - Streamline and standardize condition assessments
- **Portability/Mobility** - Visit multiple sites in a single day
- **Geographic Location** - Accurate way to gauge the location of the meter
- **Application Design/Development** – IT (Anna Phi) and Engineering (Sophia Bird) Partnership

Issues with Existing Process

- Paper forms
- Time consuming
- Forms get lost
- Data can be inconsistent
- Tracking can be cumbersome

Survey 123 Mobile Application

- Geographic Information System (GIS) Enterprise Portal
 - GIS database
 - Client-side mobile application: Survey 123
 - Electronic forms
 - Captures spatial data & information
 - Upload data directly to network after inspection
 - Upload unlimited pictures
 - Data storage backed up
 - Off-line mode

Survey 123 Mobile GIS Application

9:27 PM Tue Aug 31

Venturi Flow Meter

Venturi Flow Meter Inspection

Service Connection ID: Inspection Performed by:

Location (Relative Address or Cross Streets):

Location (Station Number or Latitude/Longitude):

Member Agency/Sub-Agency: Reference Drawings:

Meter GeoLocation: 33°47'N 117°58'W ± 5 m

Venturi Inlet Diameter: Venturi Throat Diameter:

Venturi Body Material: Venturi Pressure Lines Material:

Venturi Throat Material: Flow Range (DP @ min flow and DP @ max flow):

Manufacture Date:

Meter Layout

Upstream Straight Run Material and Length (in. or ft.):

Downstream Straight Run Material and Length (in. or ft.):

Obstruction Type/Location:

High Differential Pressure Transmitter

Manufacturer/Model: Serial Number:

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