

# Advanced Metering Infrastructure (AMI)

Annual Technical Coordinating Utilities Meeting Wednesday, May 27, 2020



# Project Overview

- ▶ Installation of water meters, radio transmitters and new AMI technology
- ▶ Impacts every account (residential and commercial accounts)
- ▶ Requires an appointment - need to generate goodwill with customers
- ▶ Requires access to every home or business
- ▶ An opportunity to communicate about enhanced services



# Manual Water Meter Reading



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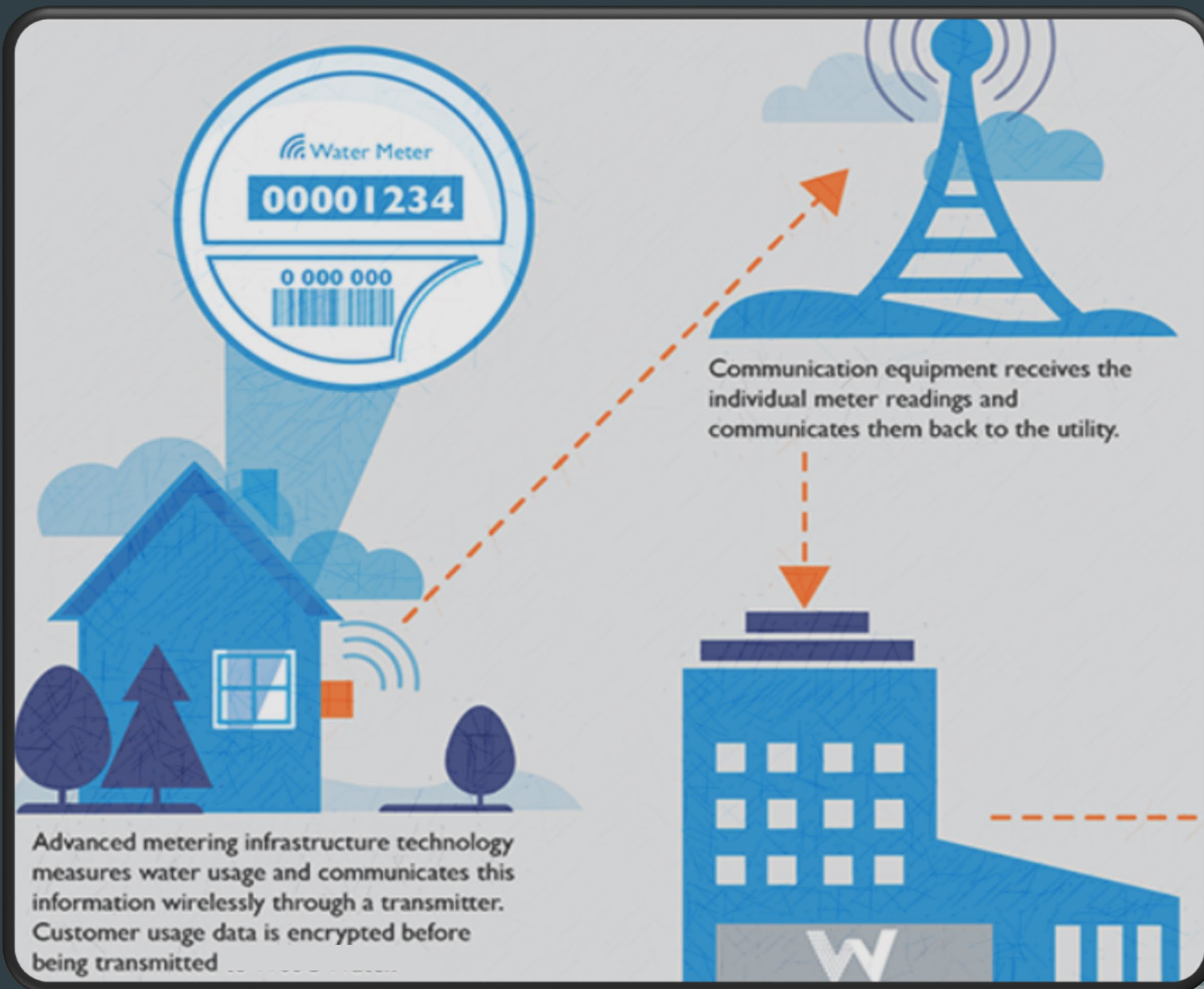


# Manual Water Meter Reading

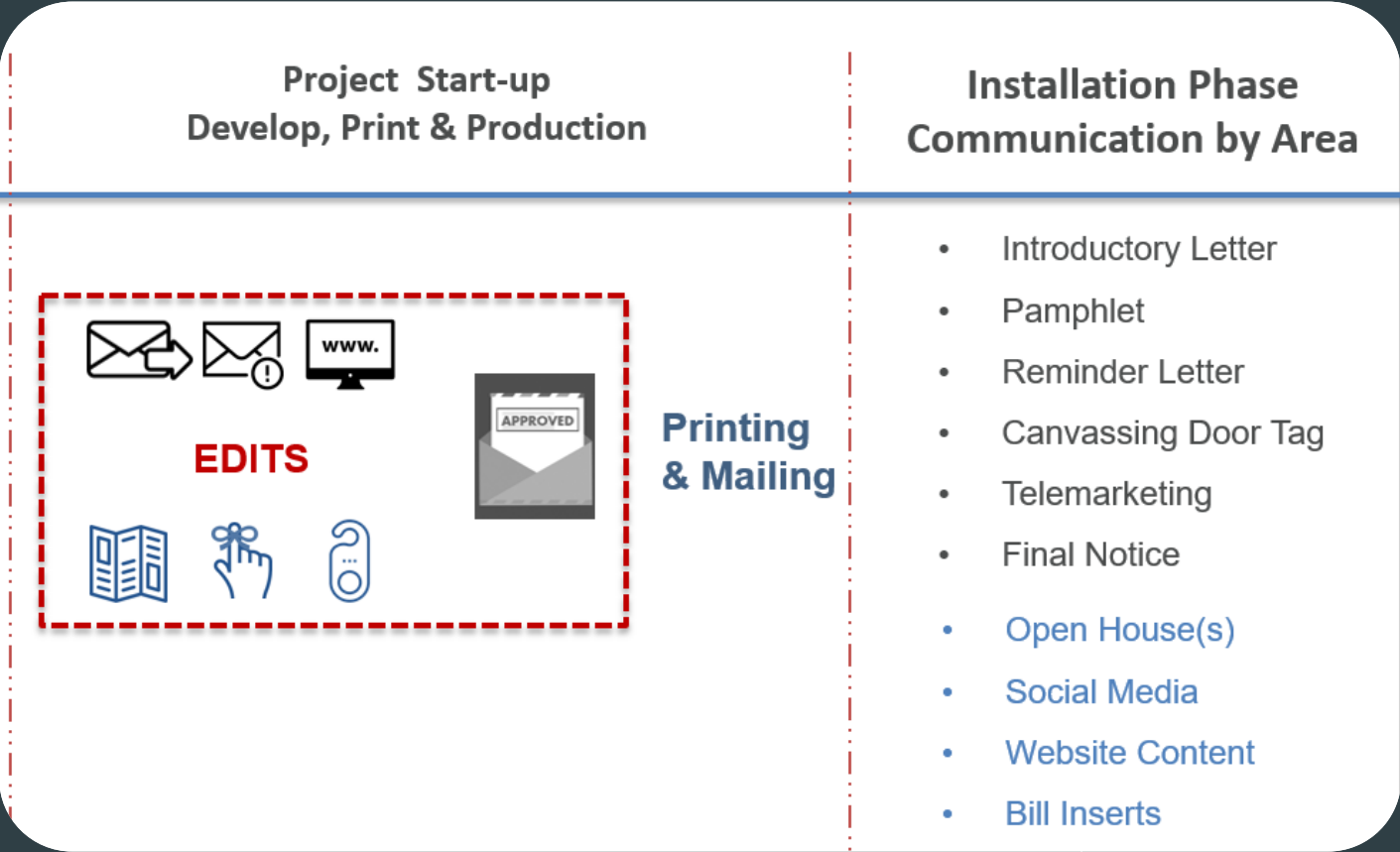




## AMI Network Deployment

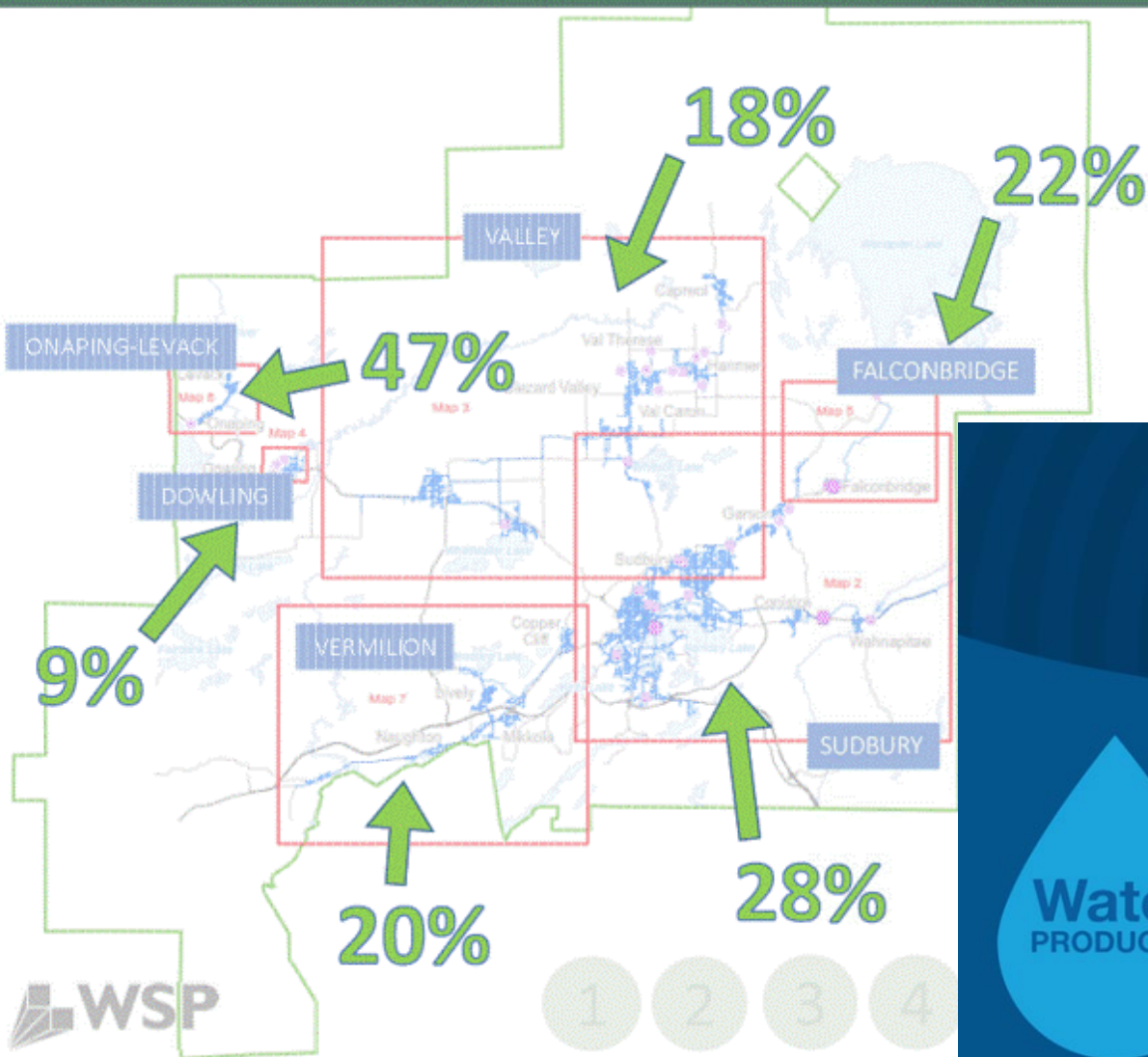


# Public Education Development



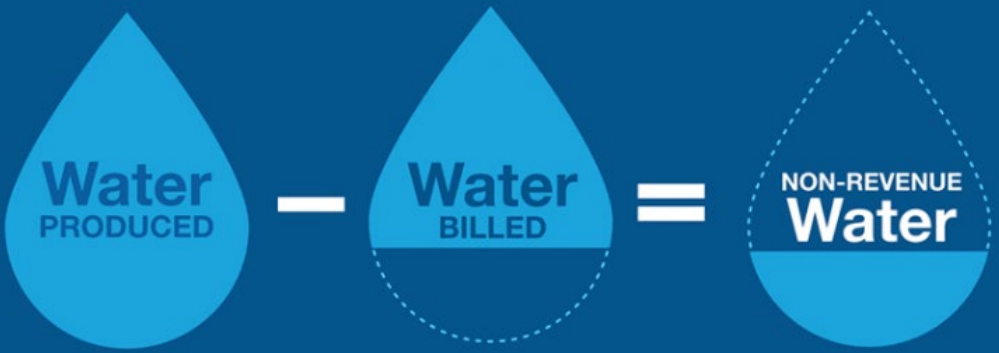


# Leakage Rates Per Community



## Hear That?

It's the sound of non-revenue water and your budget going down the drain.



## ► Project Overview



Owner



Consultant &  
Subject Matter  
Expert



Sensus AMI Technology  
Installation Services



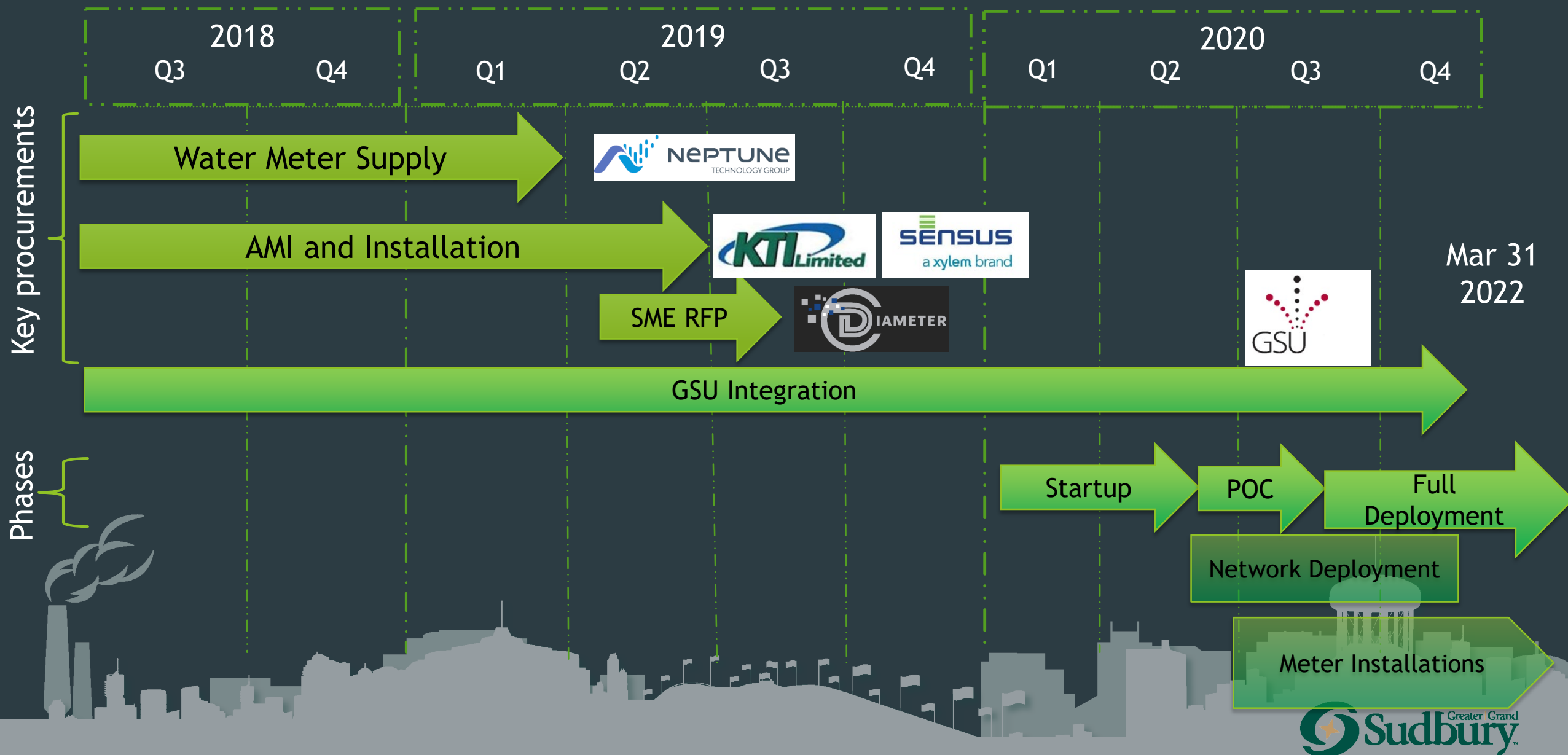
Water Billing



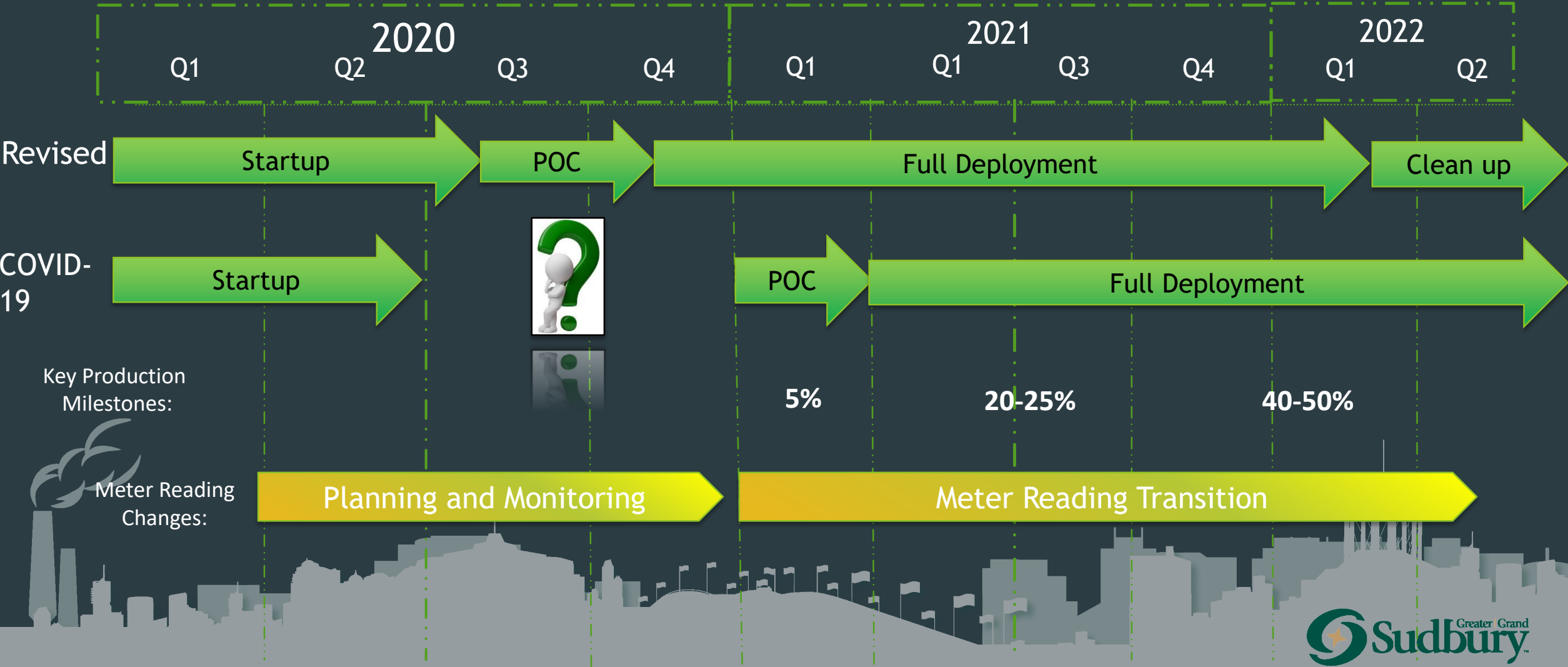
Meter Reading



# Project Phases

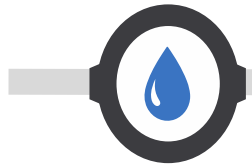


# Project Schedule Adjustments



# Integration Development





WATER METER

Neptune T10  
ProCoder



METER READING  
SOFTWARE  
Itron – MVRs or FCS



SHARED NETWORK  
Sensus FlexNet

BACKHAUL



COLLECTION / HEADEND  
SOFTWARE

Sensus FlexNet RNI

**NORTH|STAR™**

UTILITIES SOLUTIONS

CUSTOMER INFORMATION  
SYSTEM (CIS)

Northstar



MDM  
SOFTWARE

Sensus Analytics



CUSTOMER  
PORTAL

Sensus Customer Portal





# Questions?

Jason West, Project Manager

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## Your Water is Going Wireless

The City of Greater Sudbury has launched a two-year project to replace and upgrade the water meters in every home and business.

### Replacing Our Water Meters

The typical life of a water meter is 15 to 20 years. Like most mechanical devices, they eventually need to be replaced.

### Upgrading Our Technology

Upgraded meters improve water meter accuracy and offer many operational efficiencies.

### Enhancing Our Service

Our customers will be able to identify leaks at their premises, allowing for a quicker response time to avoid high water bills.

