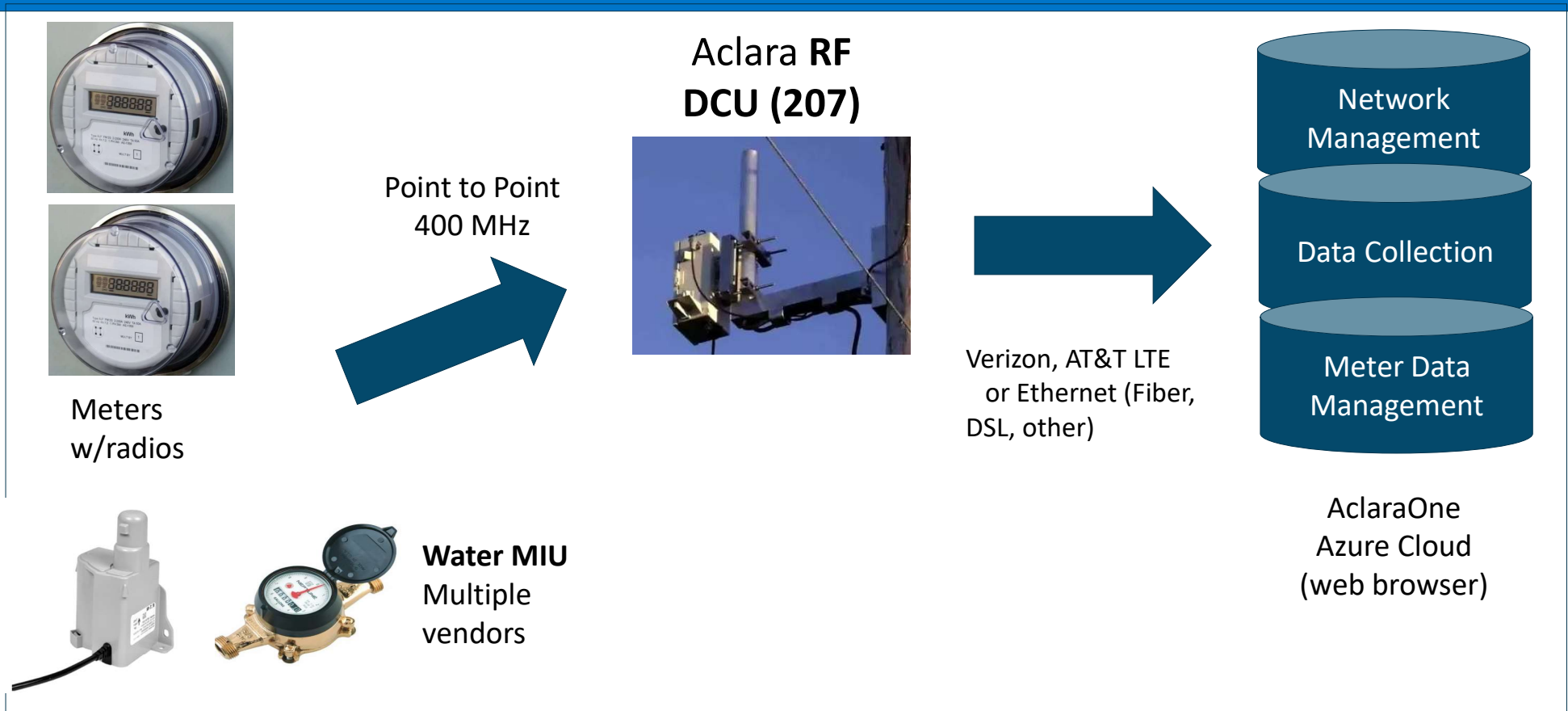




Advanced Meter Infrastructure
Funding Request

What is AMI - VPPSA Solution



Lemmerhirt Consulting

Vermonters Impacted by Request

- All eleven (11) VPPSA Member utilities
 - Both electric and water meters
- Washington Electric Cooperative
 - Replacement of the existing AMI system to upgrade capabilities
- Vermont Electric Cooperative
 - Expanding to areas that are too expensive to otherwise serve
- Seeking 50% funded by the DUs with the remaining 50% from state funds
 - Same treatment as rollout of AMI to the rest of the state in 2009-2012

Benefits of System

- Advanced Meter Infrastructure is the gateway technology to grid management
 - 15-minute usage data combined with detailed analysis through the Meter Data Management (MDM) database
- Sample of Benefits
 - Easier development and modification of Time of Use rate designs
 - Customer level and aggregate loadshapes
 - Substation, circuit, and transformer loading analysis
 - Voltage profiles along circuits
 - Automated Outage notifications for each customer
 - Ability to remotely connect/disconnect customers
 - Assists with load management capabilities
 - **Better visibility into system operations and analytic capabilities for grid management**

Benefits of State Invest

- **Economics**
 - The DU's had hoped AMI costs would decrease over time – that has not happened
 - AMI remains uneconomic for most small rural utilities
 - VPPSA has found economies of scale to reduce ongoing operating costs but not the initial capital cost
- **Equity**
 - In 2009 50% of AMI funding came from federal ARRA funding with state support
 - This funding would provide equal treatment to the remaining areas of the state
- **Accessing Other Federal Funds**
 - This investment would put all utilities at a base level of technology to facilitate other statewide efforts
 - It would eliminate a barrier to other grant efforts as IJA funding becomes available



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