

Technical Session  
May 6, 2014  
Talking Points

RIPUC Docket No. 4442  
Customer Owned Streetlighting  
Page 1 of 2

Subject	Ownership Responsibility		Utility Responsibility	Issue/Comment
	Initial Costs	Ongoing Costs		
System Selection & Deployment Design	X			<ul style="list-style-type: none"> <li>▪ Economy of scale (utility meter volume)</li> <li>▪ System specification</li> <li>▪ Limited system interoperability (sole source relationship)</li> <li>▪ Developing industry standards (control, network, communication)</li> <li>▪ Customer Acceptance – ex. National Security Agency (NSA)/Electro Magnetic Field (EMF), (Unmetered default service)</li> </ul>
System Procurement	X	X		Contract development Warranty application
System Installation/Deployment	X	X	X	Field Operations, Commissioning, Testing
System Network/Communication/Software	X	X		<ul style="list-style-type: none"> <li>▪ Band Width - Usage</li> <li>▪ Frequency of Reads/Data Transmission</li> <li>▪ Dashboard/Report Customization</li> </ul>
Meter Transactions / Data Collection / Communication	X	X	X	<ul style="list-style-type: none"> <li>▪ Read frequency, accuracy, re-reads, check reads, missing (gap) reads, default usage, meter exchange correction</li> <li>▪ Meter sets, removes, changes</li> <li>▪ Data collection methods and technologies</li> <li>▪ Multiple vendor protocols</li> <li>▪ Development of company specific protocol <ul style="list-style-type: none"> <li>○ File exchanges?</li> <li>○ Electronic Data Interchange?</li> </ul> </li> </ul>
Systems Interfaces	X	X	X	<ul style="list-style-type: none"> <li>▪ Initial development and implementation</li> <li>▪ Systems upgrades</li> </ul>
Meter Data Management System	X		X	<ul style="list-style-type: none"> <li>▪ Application development to manage new meter data stream. <ul style="list-style-type: none"> <li>○ Large amounts of meter data</li> <li>○ Storage and management of this data</li> </ul> </li> </ul>

Technical Session  
May 6, 2014  
Talking Points

RIPUC Docket No. 4442  
Customer Owned Streetlighting  
Page 2 of 2

Subject	Ownership Responsibility		Utility Responsibility	Issue/Comment
	Initial Costs	Ongoing Costs		
Billing System			X	<ul style="list-style-type: none"> <li>▪ Development of new functional business application within the billing system for metered service billing for both company and customer owned assets.</li> <li>▪ Separation of energy and equipment billing (current unmetered model does both together)</li> <li>▪ Billing at Time of Use (TOU) or other energy breakdown (other than single monthly kWh value)</li> <li>▪ Could there be any changes regarding 3<sup>rd</sup> party energy supply (Energy Service Company (ESCO) / Marketer)</li> </ul>
Meter Types and Program Types			X	Implementing new meter types and programs available within each type will affect all areas: <ul style="list-style-type: none"> <li>• Meter data collection and management</li> <li>• Meter transactions</li> <li>• Billing</li> <li>• Meter Shop – Inventory, Testing</li> </ul>
Meter Inventory and Quality Assurance Testing	X	X	X	<ul style="list-style-type: none"> <li>▪ Compliance with Division standards</li> <li>▪ Acceptance testing - 100%</li> <li>▪ Deployment/Use testing – American National Standards Institute – American Society for Quality, Std Z1.9 [ANSI-ASQ Z1.9] - MIL STD 105-E ,acceptance quality limit (statistical sampling)</li> <li>▪ Field Operations Retrieval/Replacement</li> <li>▪ Laboratory Operations Testing</li> <li>▪ Device data management for scheduled testing (Meter Inventory Tracking System) – [MITS]</li> <li>▪ Testing program – Equipment, Training</li> </ul>
Intelligent controls	X	X		No effect on monthly energy billing process?