

# Integrated Grid Project – Technology Demonstration



- Led technology demonstration to de-risk the grid modernization investment plan through testing pre-commercial smart grid technologies

Business Need	Challenge	Solution & Results
<ul style="list-style-type: none"> <li>• To demonstrate the next-generation grid infrastructure’s ability to manage, operate, and optimize Distributed Energy Resources (DERs)</li> <li>• To determine the communications, controls, and protocols needed to ensure a safe and reliable grid</li> <li>• To coordinate and manage project activities between internal and external stakeholders</li> <li>• To develop DER’s self-provisioning capabilities and control protocols between the provider and the Utility</li> <li>• To conduct an assessment of technological and organizational impacts</li> </ul>	<ul style="list-style-type: none"> <li>• Developing, documenting, and gaining buy-in for DER use cases</li> <li>• Bringing closure to open issues and action items</li> <li>• Monitoring and tracking the development of communications, controls, and protocols among internal and external stakeholders</li> <li>• Determining business value, assumptions, and Key Performance Indicators (KPIs)</li> <li>• Developing an implementation plan for each use case</li> </ul>	<ul style="list-style-type: none"> <li>• Facilitated the development and execution of:               <ul style="list-style-type: none"> <li>✓ Kickoff meetings with internal and external stakeholders</li> <li>✓ Integrated Grid use cases</li> <li>✓ Business value realization</li> <li>✓ Roadmap and implementation plan</li> <li>✓ Proving the communications, controls, and protocols</li> </ul> </li> </ul>