

# Data Lake



- Electric Utility with 110+ years in service
- 5,000+ Employees
- 4 Million+ Customers

Business Need	Challenge	Solution & Results
<ul style="list-style-type: none"> <li>• System integration &amp; development</li> <li>• Develop program schedule</li> <li>• Develop data lake</li> <li>• Extract, Transform, Load (ETL)</li> <li>• Functional Design and Requirements</li> <li>• Data Governance</li> <li>• Proof of Value</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple operating Utilities across various states</li> <li>• Identification of source systems</li> <li>• Several instances of similar/same systems</li> <li>• Custom and legacy systems</li> <li>• Non-standard information models</li> <li>• Different business use methods of systems</li> <li>• Security zones of critical systems</li> <li>• Confidentiality of customer information</li> <li>• Client with a high volume of emergent operational activities</li> </ul>	<ul style="list-style-type: none"> <li>• Developed a strong understanding of business requirements and use cases</li> <li>• Identified source systems and necessary data to satisfy use cases</li> <li>• Developed strong vendor and client relationships</li> <li>• Developed functional and data requirements based on use cases</li> <li>• Identified data extraction methods and tools</li> </ul>