



Lessons in the value of smart meter data

Matt Gleeson

VP Energy Transition

Oracle Energy and Water

March 14, 2022



2006 was an eventful year



Business case drivers for AMI

Modernize networks:

- Plan and manage distribution network
- Prepare for DERs

Protect revenue:

- Support new rates
- Improve accuracy of billing & settlements
- Detect theft and faulty devices
- Create new products

Increase reliability:

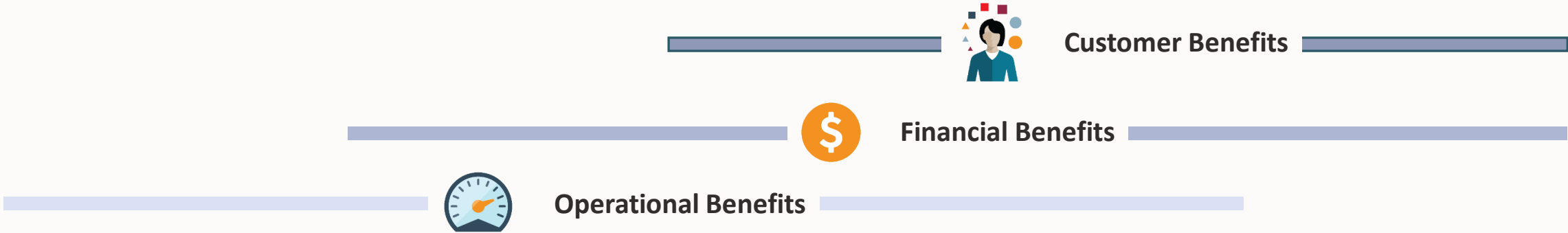
- Improve outage detection and restoration
- Improve safety through better visibility

Reduce costs:

- Remote start/stop
- Eliminate manual reads and automate credit and collection
- Reduce estimated bills and disputes

Enhance service:

- Educate customers on usage / transparency
- Personalize service: water/energy saving tips & programs
- Better outage communications



Maximizing value from AMI

Pillars of AMI Success:

Customer Engagement
Involve customer to fully realize AMI benefits
Analytics
Prescriptive analytics with machine learning to <u>predict</u> events, <u>prioritize</u> work, and <u>automate</u> processes
Operations
A flexible foundation for smart grid operations as needs/technology change

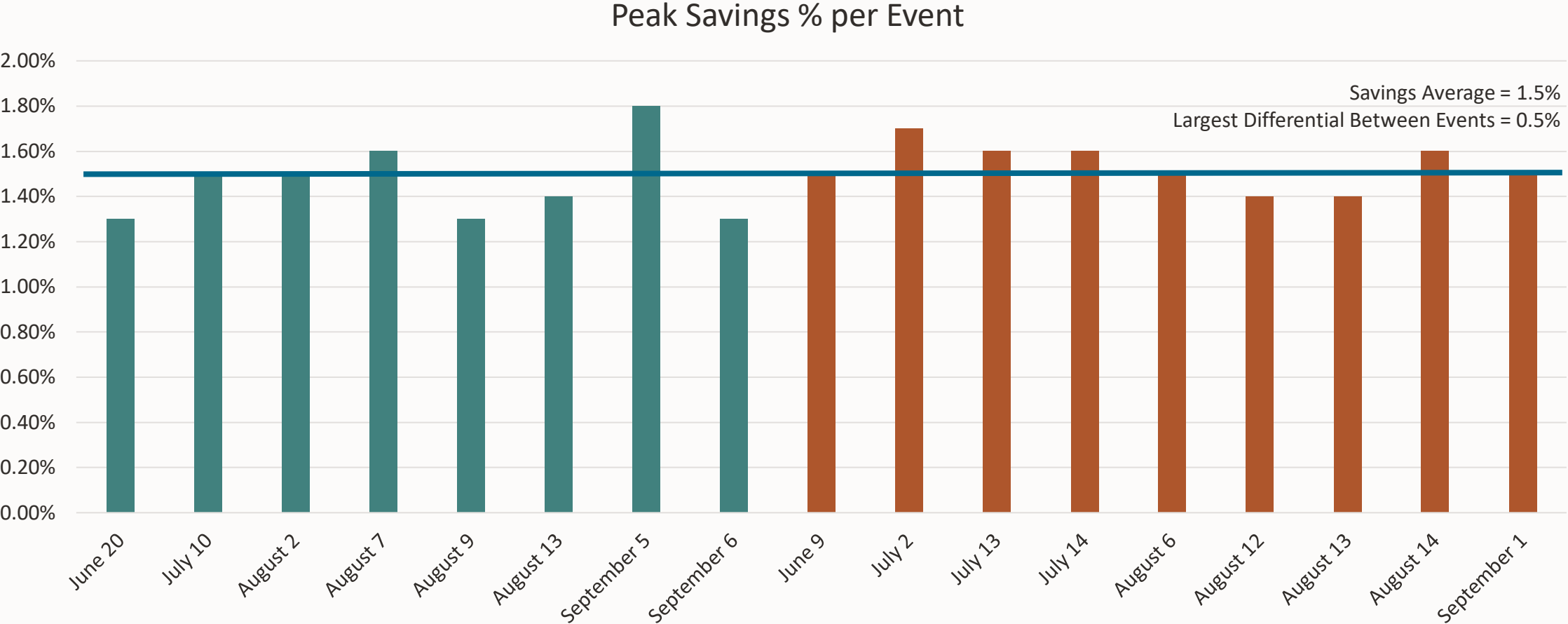
Creating Measurable Value

Customer Programs	+ \$7M Avoided cost of electric system investment and voltage optimization due to demand reduction
AMI Analytics Insights	+ \$8M Avoided recoverable loss Operational efficiency Reduced field visits Avoided damages to distribution system
Advanced Meter Solution	+ \$15M Automated meter reads Recovered revenue Billing improvements Call center labor savings

Value creation through AMI data, analytics and customer engagement



When you have AMI data, you understand your customer, and your customer understands you





“We are just at the tip of the iceberg of what AMI can do.”

Mark Carpenter

Senior Vice President, Transmission and Distribution Operations, Oncor Electric Delivery Company

Source: Voices Of Experience: Leveraging Ami Networks And Data by US DOE

Thank you

