



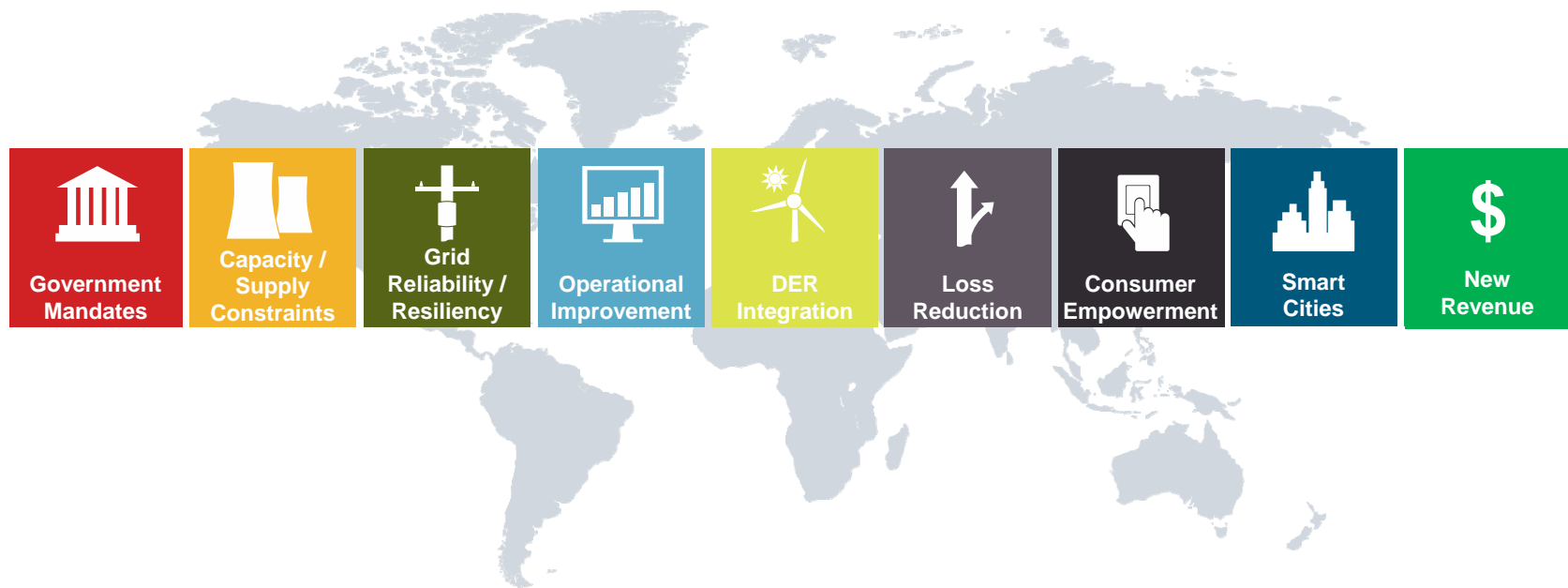
# Emerging AMI Technology and Benefits Enabled

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# GLOBAL DRIVERS



# PROVEN BENEFITS



**Centerpoint Energy**  
13 million customer service transactions automated (98.7 percent)



**BC Hydro**  
Reduced electricity theft by 80 percent (875 GW to 175 GW)

**DTE Energy**



**DTE Energy**  
7.3 percent improvement in CAIDI; 8.3 percent in SAIDI due to AMI event data



**Southern California Edison**  
AMI-enabled PTR program reduces peak load by nearly 30MW



**Avista**  
CVR project demonstrates 2-5 percent energy reduction achievable



**Glendale Water and Power**  
51 percent reduction in annual meter reading and customer operations costs



**National Grid**  
By combining rate choice, smart meters, in-home technology, customers save between 10 and 49 percent energy

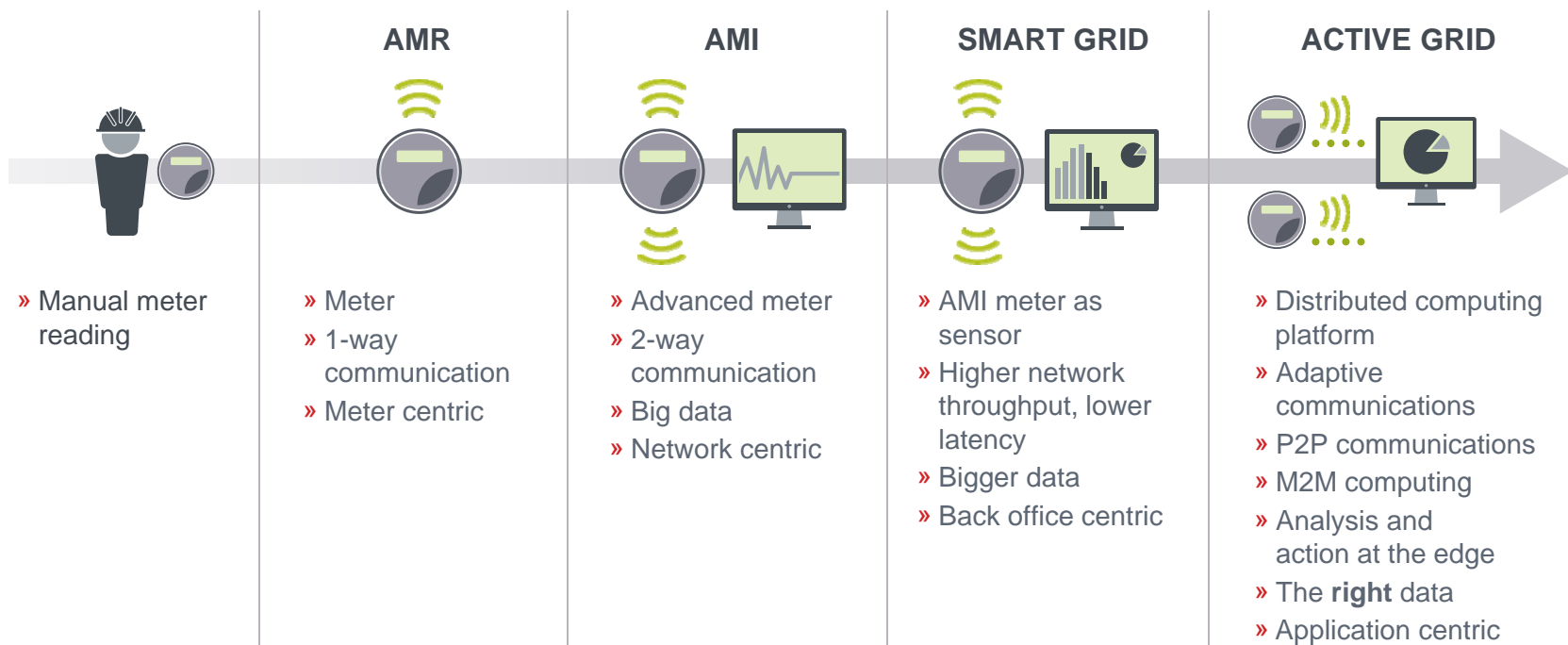


**SGD&E**  
250,000 vehicle trips avoided annually; nearly 2,000 metric tons of carbon reduced



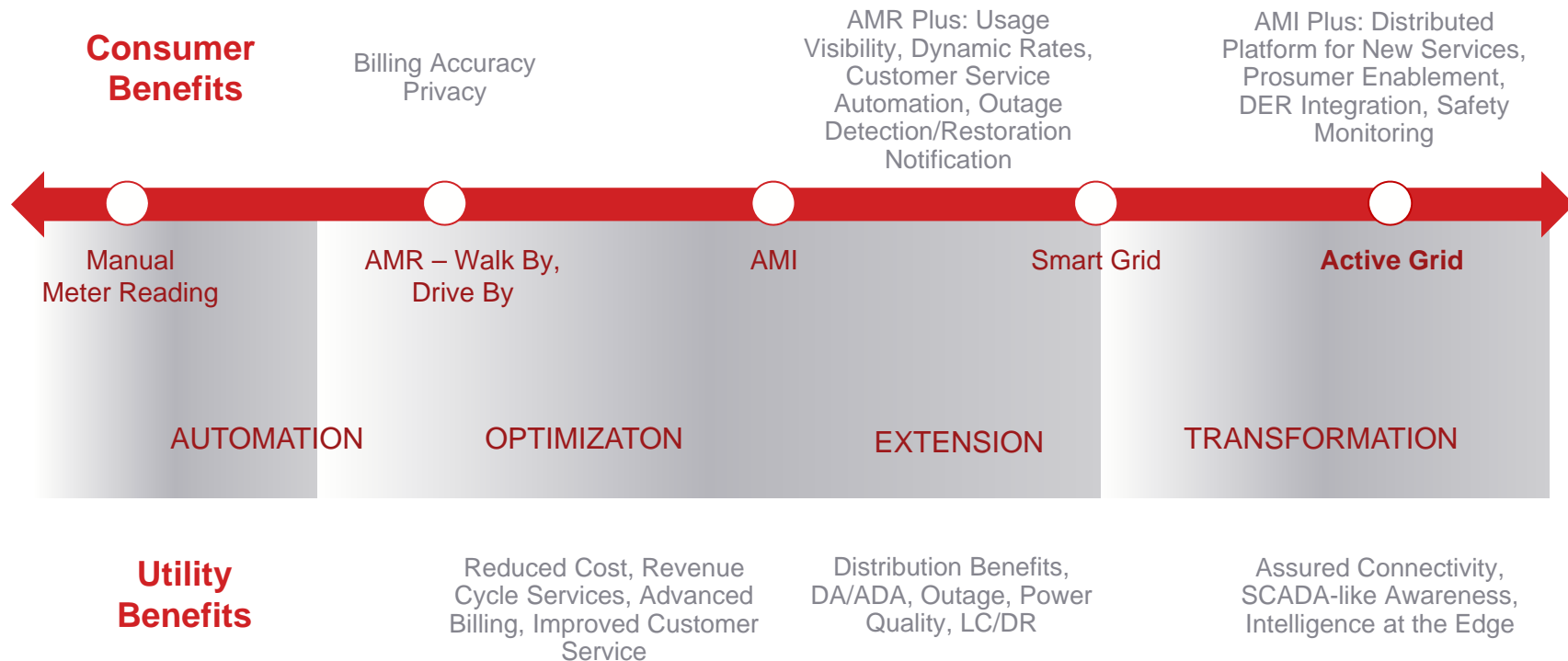
**Consumers Energy**  
22 point improvement in customer satisfaction; 75 percent increase in "net promoter" score in installed territories

# TECHNOLOGY EVOLUTION





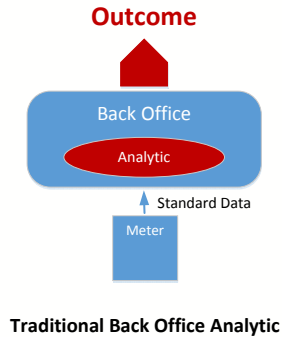
# THE BUSINESS CASE EVOLUTION



# DISTRIBUTED INTELLIGENCE SOLUTION MODELS

## Traditional Back Office Analytic

- Outage Analysis
- Forecasting and Load Research
- Distribution Planning
- Advanced Billing



## Distributed Analytic

- High Impedance Detection
- Intelligent Voltage Monitoring
- Load Disaggregation

## Distributed Analytic With M2M

- Distributed Generation and Real Time Markets
- Location Awareness
- Outage Detection and Location
- Theft Detection
- Electrical Faults and Safety

## Local Analysis and Action

- Active Load and Voltage Control
- Active Demand Response
- DA Device Integration
- Electrical Faults and Safety

# THANK YOU

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