



ADVANCED METERING PROGRAM UPDATE

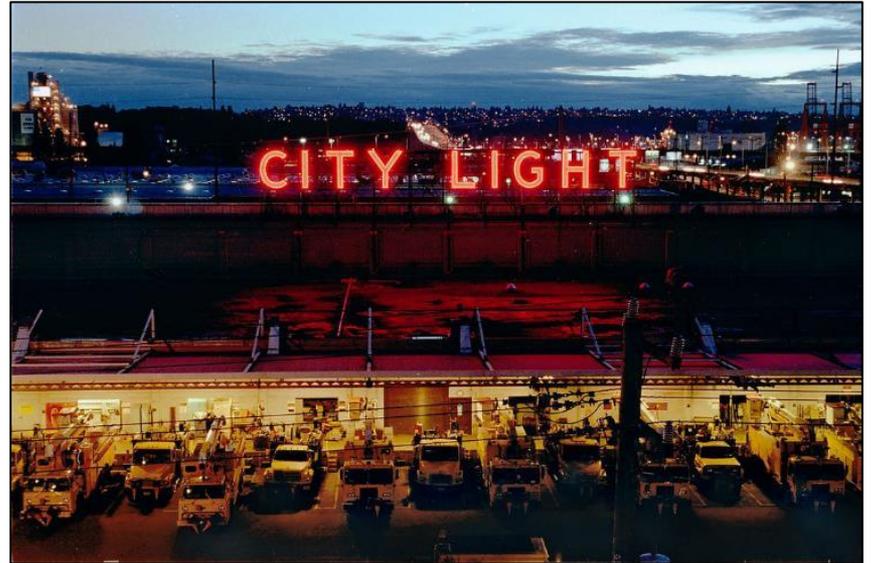
City Light Review Panel

March 24, 2015



INTRODUCTION

- Advanced Meters
- Technology – Mesh Network
- Benefits
- Privacy & Security
- Health Concerns
- Opt-Out Policy
- Communications Plan
- Workforce Impacts
- Budget
- High Level Schedule

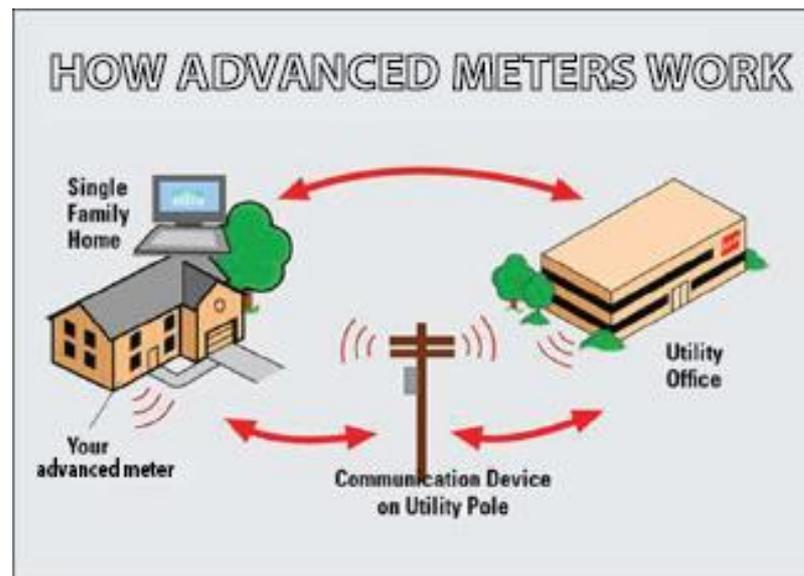


HOW DO ADVANCED METERS WORK?

SENDS ENERGY CONSUMPTION DATA THROUGH AUTOMATED WIRELESS COMMUNICATION

Advanced Meters

- Continuously record the amount of electricity consumed
- Programmed to transmit recorded data as often as needed
 - Industry Std. – Every 4 hours
- Sends information via a secure wireless communication system using radio frequency (RF), much like cellphones



WHAT ARE ADVANCED METERS?

PROVIDE TWO-WAY COMMUNICATION BETWEEN THE METER AND THE UTILITY

- Collect customer kilowatt-hour usage information
- Transmit consumption data through wireless and automated communication

Today

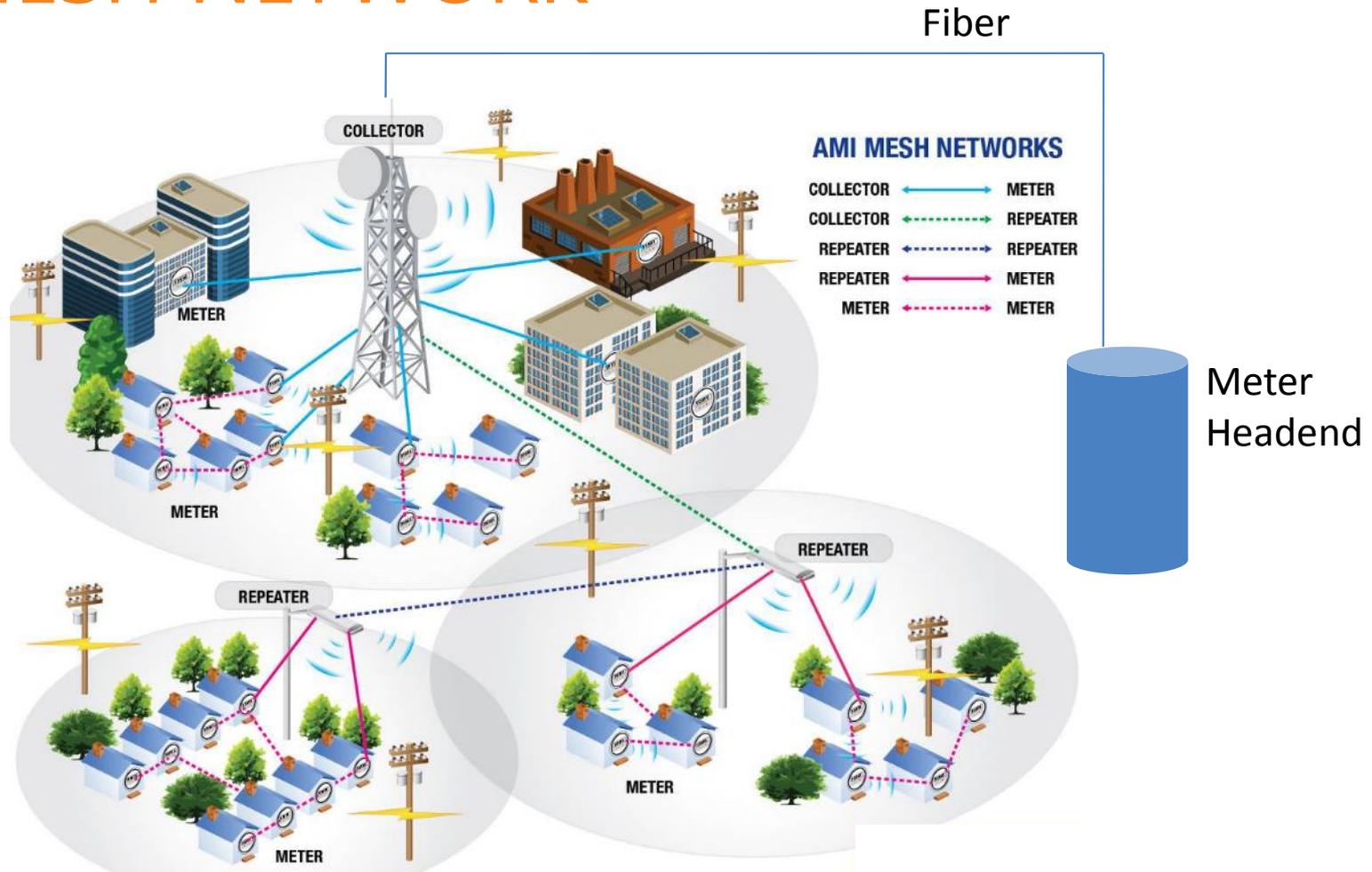
We collect/receive and manage approximately 18 million data points per year

AMI Deployed

Upon completing the AMI deployment we will start receiving wirelessly 30 million data points per day



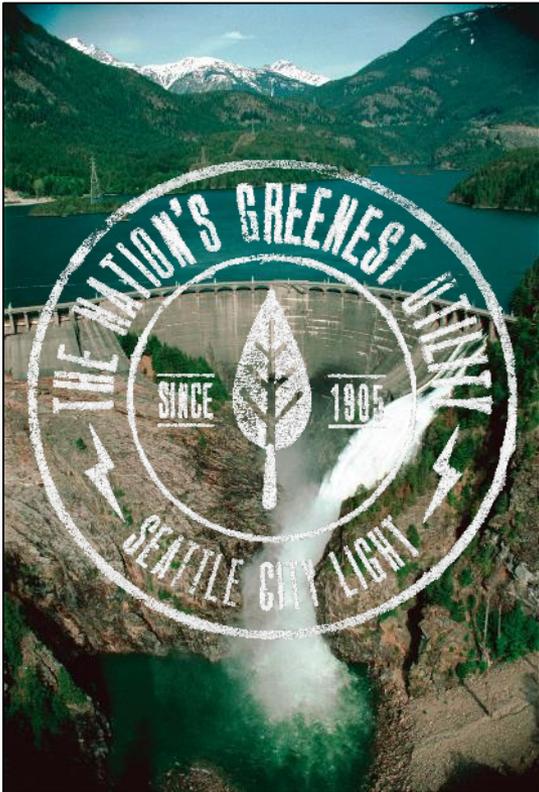
AMI MESH NETWORK



Schematic from EDX Wireless

WHY ADVANCED METERS?

ADVANCED METERS OFFER MANY BENEFITS TO BOTH THE CUSTOMER AND THE UTILITY



Customer Benefits

- Empower customers to make energy-saving choices
- Improved outage response
- Service enhancements
- Conserve/improve natural resources

Utility Benefits

- Improved Safety
- Improved Load Forecasting
- Operational Efficiencies

PRIVACY & SECURITY



Data Privacy

- Will manage energy-use data just as today.
- Compliant with Public Records Act and Seattle Privacy Policy.

Security

- Data is encrypted and transmitted to the utility with multiple layers of security throughout the system.

HEALTH CONCERNS

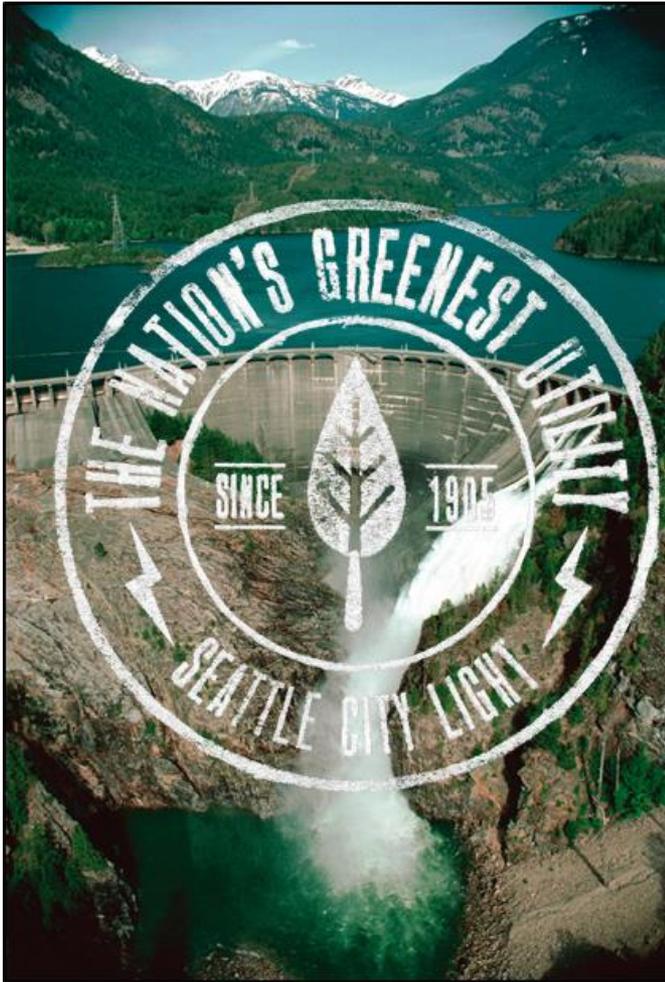
- Joint planning efforts with City Staff
- Numerous community meetings
- Enlisted help from leading subject matter experts from health and science industry
- Conducted Community Energy Forum AMI survey
- Developed White Paper specifically addressing health and environmental issues

OPT-OUT POLICY



- There will be an Opt-Out Policy
- The policy will entail a fee, which will require City Council approval
- Currently evaluating all options with an emphasis on the least onerous selection
- More information about this policy will be provided in 4th quarter 2015

COMMUNICATION STRATEGY & PLAN



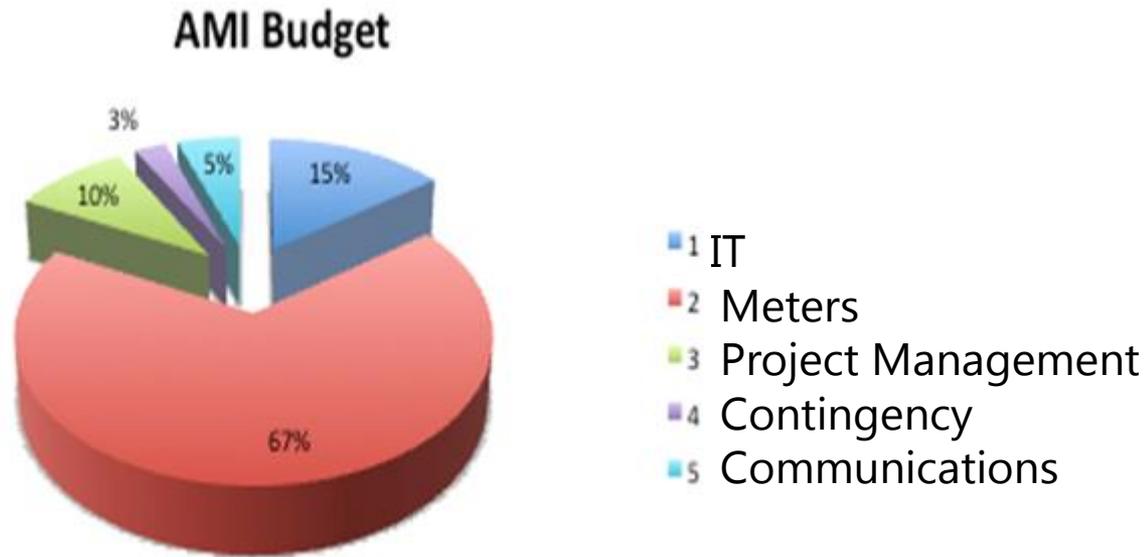
- Developed a comprehensive communication plan
- Particular focus on education for:
 - customers
 - employees
 - other key stakeholders

WORKFORCE IMPACT



- City Light is committed to preserving its workforce and does not anticipate any layoffs as a result of advanced meter installation.
- Meter readers and other impacted employees will be trained in positions either within City Light or in other City departments.
- Change Management Program Team already engaging the needs of impacted employees.

BUDGET



Continue to remain on track with the proposed \$94 million budget

HIGH LEVEL SCHEDULE

