

El Paso Water Utilities Adverse Weather Event Preparation Progress

City Council
January 10, 2012



Strategies for Improved Preparation

- Communication
- Coordination
- Instrumentation and controls
- Exposed piping
- Backup Power



COMMUNICATION



Communication

- Crisis communications and COOP plans
- Social media added to toolbox
- Video posted - how to turn off water at the meter
- Outreach during winter months
 - how to winterize pipes





COORDINATION



Coordination

- Prioritized facilities with EPEC and initiated ongoing communication
- Renewed commitment to have a representative at the EOC every time it is operational
- Currently interviewing for the Security and Emergency Response Coordinator





INSTRUMENTATION AND CONTROLS



Before

Exposed

Insulated

Heat Traced

03/09/2011 10:50 PM



After

Enclosure



After

100 WATT HEATER

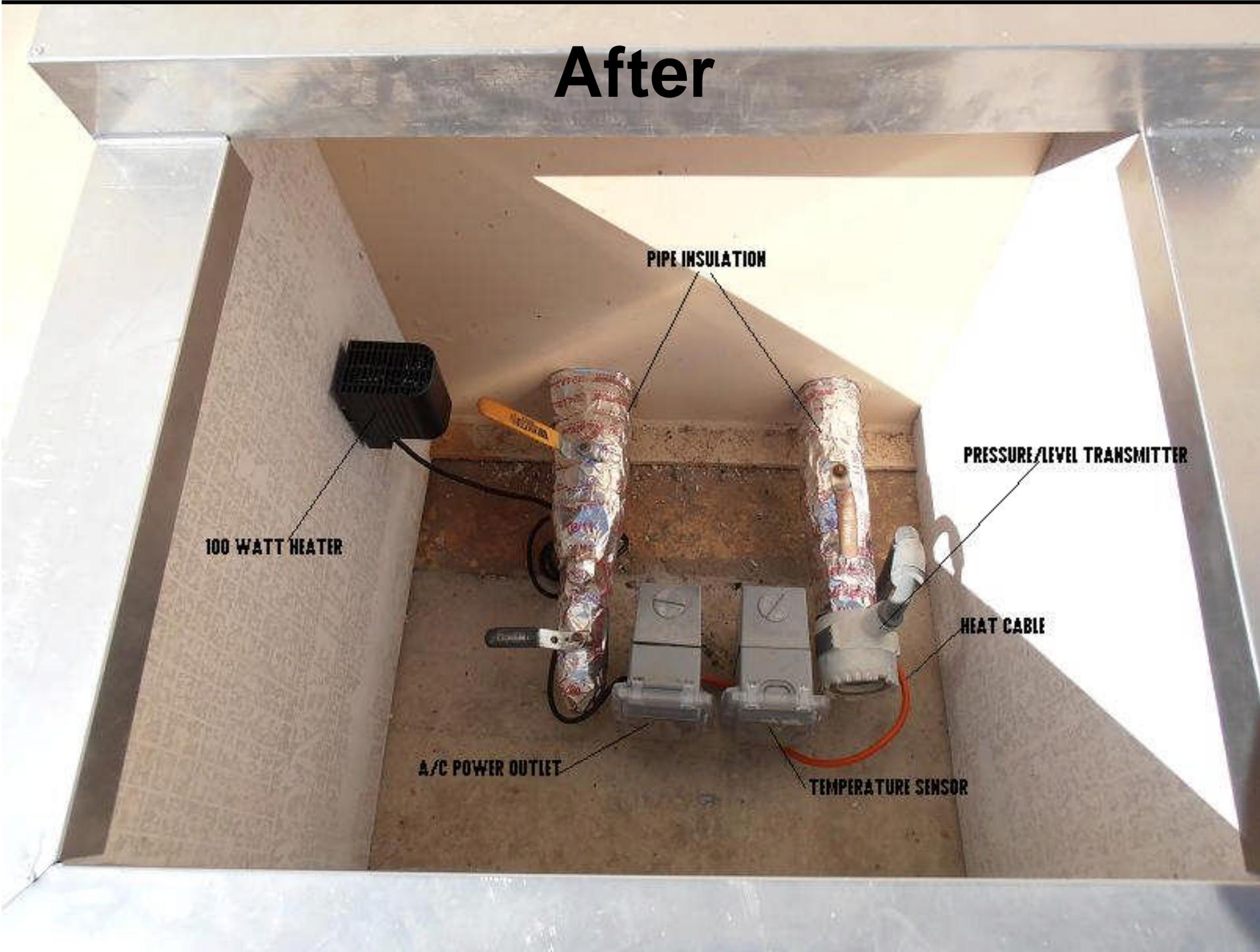
PIPE INSULATION

PRESSURE/LEVEL TRANSMITTER

HEAT CABLE

A/C POWER OUTLET

TEMPERATURE SENSOR



After – Secondary Instrument

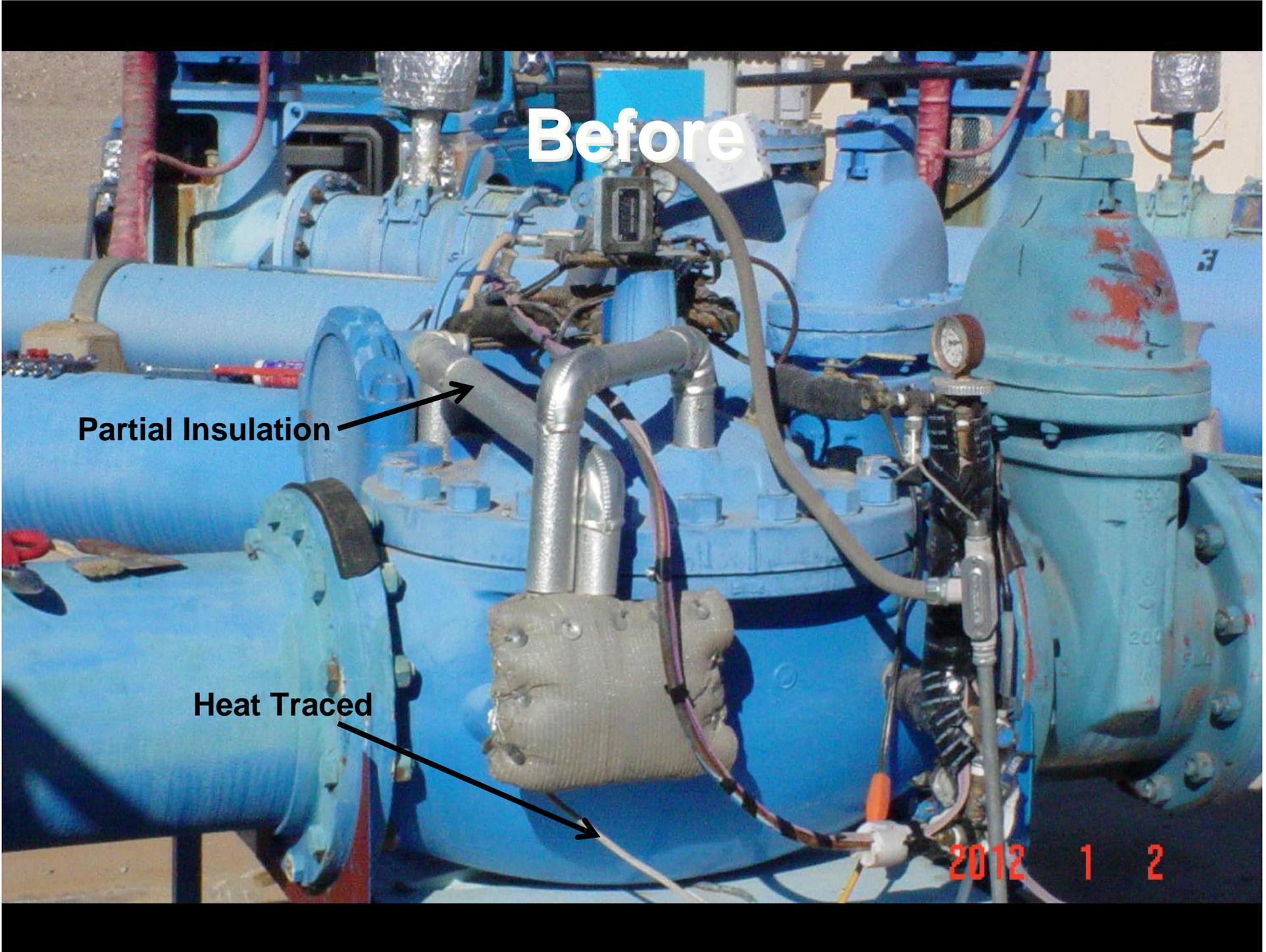


Before

Partial Insulation

Heat Traced

2012 1 2



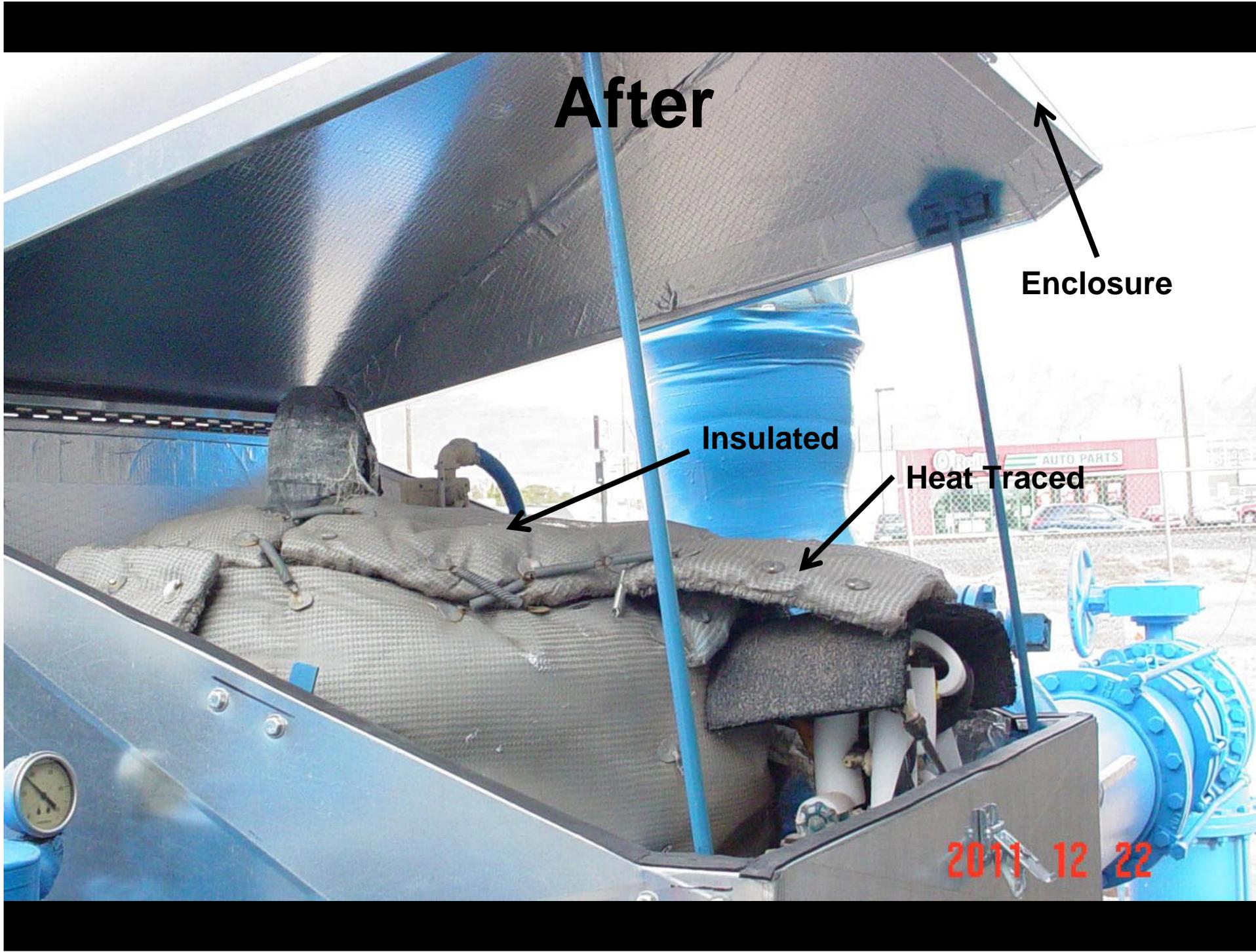
After

Enclosure

Insulated

Heat Traced

2011 12 22



After





EXPOSED PIPING

Before

Partial Insulation



Temporary Fix



After – Permanent Fix



Insulation

2011 12 27

Before



Exposed Pump Station

After



Enclosed Heated Space



BACKUP POWER



Power Reliability

- Black and Veatch Study
- Additional backup generation recommended for a variety of reasons
 - Fire, Terrorism, Wind, Cold, Flooding
- Backup to be phased in over 3 years starting in March
- \$30 million investment

