



US DOT PIPELINE EMERGENCY RESPONSE FORUM *Pipeline Operator Perspective - Distribution*

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William M. Thompson
Gas Distribution Operations & Planning

Core Values

- Safety • Excellence & Accountability • Teamwork • Integrity
- Customer Commitment • Community & Environmental Responsibility

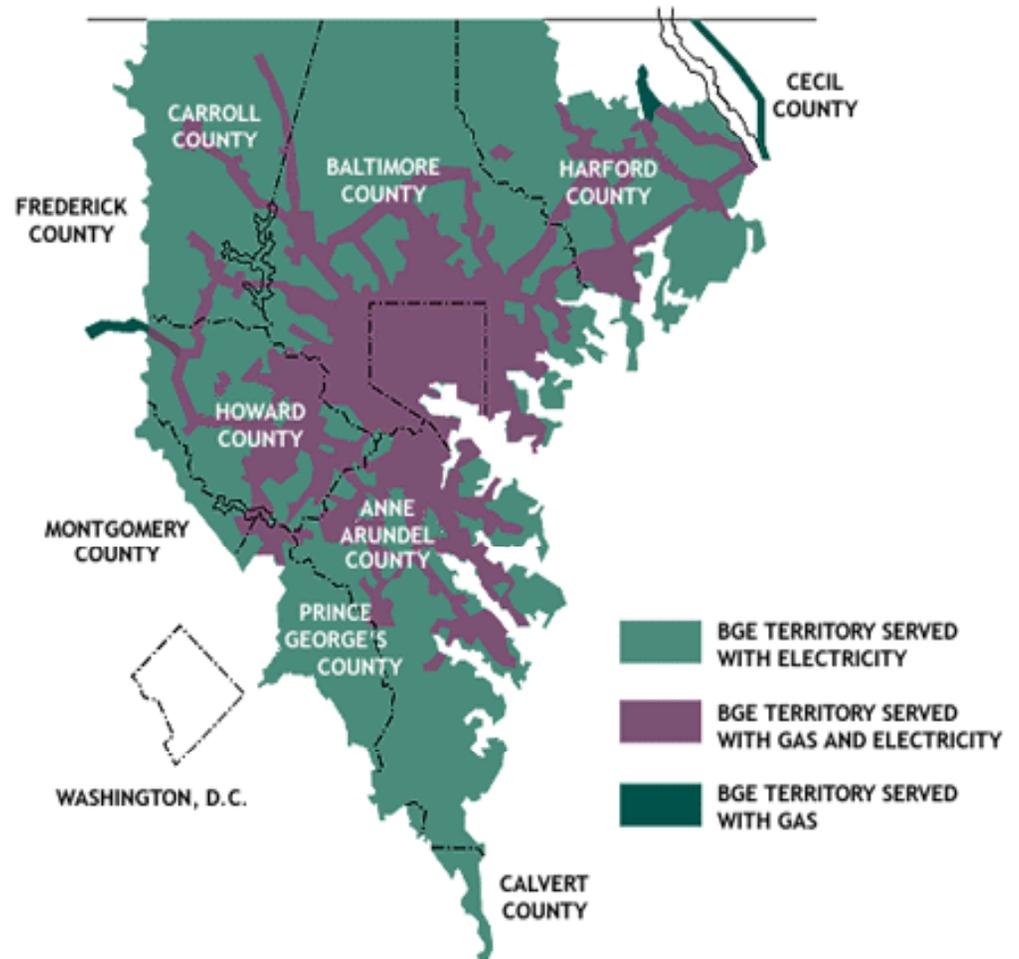
Introduction

- Who We Are
- Emergency Management Drivers
- Emergency Management Strategy
- Types of Events
- Internal & External Challenges
- What BGE is Doing
- Industry Recommendations
- Summary

Who We Are

BGE serves more than 650,000 residential and business gas customers

- **Miles of Distribution Main:**
6,905 miles
- **Miles of Transmission Main:**
165 miles
- *3,000 square-mile area encompassing Baltimore City and all or part of 10 Central Maryland counties.*



Emergency Management Drivers

- Corporate Vision & Mission
 - Core Values
- Regulatory Compliance
 - CFR 49 192.615 & 192.616
 - API 1162
 - COMAR (Code of MD)
 - OSHA 1910.120
 - NFPA 471 & 472
- Good Business Practice
 - Economics



Emergency Management Strategy



Emergency Management Continuum

Mitigation & Prevention

- Reduce Risk

Preparedness

- Operational Readiness
Coordinated Approach

Response

- Integrated Response with
Strategic Priorities

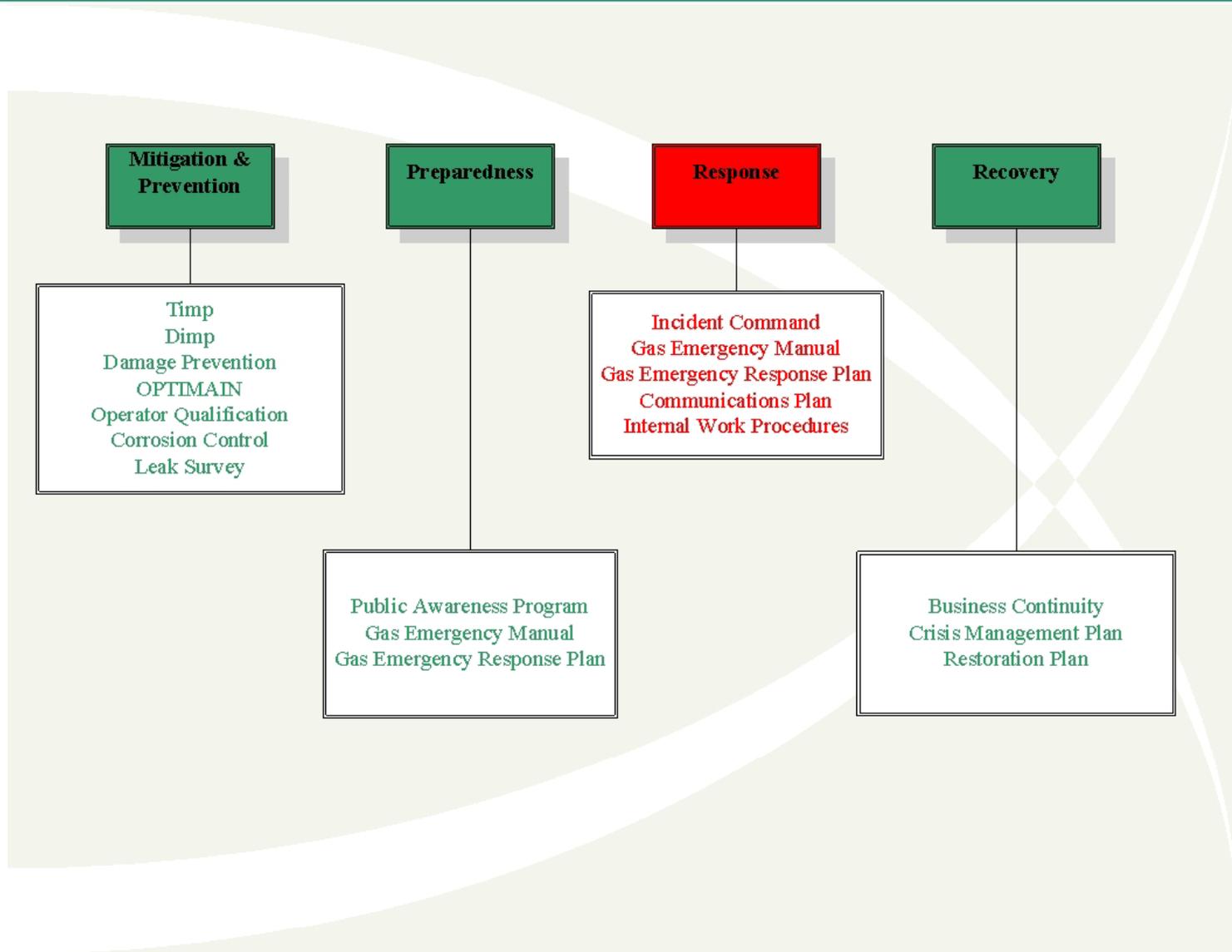
Recovery

- Restoration and Continuity
of Operations

Emergency Management Strategy



Emergency Management Strategy



Types of Events I

HIGH POTENTIAL, LOW IMPACT EVENTS

- *Small leaks on the gas system*
- *Gas odor calls*
- *Third party damages*
- *Small fires*



Types of Events II

LOW PROBABILITY, HIGH IMPACT EVENTS

- *Transmission pipeline rupture or strikes*
- *Large scale gas system outages*
- *Fires or explosions involving gate stations*
- *Natural Disasters*



Internal & External Challenges



- Establishing and maintaining organizational focus & engagement
- Engaging the various police departments in training and awareness programs
- Determining how to most effectively share detailed emergency response plan and infrastructure information with response officials

What Is BGE Doing

- Actively engaging emergency response officials by hosting annual Emergency Management Agency organization and LEPC meetings
- Providing on site training to local emergency responders and 911 Call Centers
- Facility tours and joint drills with emergency responders
- Continuously assessing and improving our Public Awareness Program's effectiveness
- Utilizing industry expertise (consultants) to assist BGE in developing plans and performing internal assessments
- Partnering with our pipeline suppliers to conduct combined drills and perform basic emergency operations on each other's system valves.
- Sharing our processes with other pipeline operators
- Participating in industry associations, workshops and conferences

Industry Recommendations

- Responders are increasingly short of time for training and preparedness; need ease and simplicity in training.
- Develop relationships before they are needed - There was a very strong emphasis on the need for face to face communications just to establish a relationship so that if an event occurs, people know each other.
- Share information on high risk sites - More advanced planning should include identifying locations with other infrastructure, like railroad cross-over(s), co-location of water infrastructure, and other high consequence factors.
- Emergency Responders are the incident commanders and responsible for *all* emergencies - Operators *join* the Unified Command and share in the decision making based on providing specific product and packaging expertise.

Pipeline Emergency Response Forum



Thank You