Welcome

Workshop on Public Awareness Programs for Pipeline Operators

Day 1, Session 2

Co-Sponsors











Office of Pipeline Safety

Research & Special Programs Administration



Step 6

Public Awareness Program Workshop

Gary Panebianco

Niagara Mohawk – A National Grid Company

Step 6 – Determine message type and content for each audience

Messages should allow operator to meet program objectives:

- Raise public awareness of pipelines
- Prevention and response (identify hazards, protection, notification to responders)
- Comply with regulatory requirements (Part 192,195 and PSIA of 2002)

Recommended messages for each key stakeholder on each operator's summary tables 2-1,2-2, and 2-3 in RP 1162.

Table 2-1 - Hazardous Liquids and Natural Gas Transmission

Table 2-2 – Local Natural Gas Distribution Companies (LDC's)

Table 2-3 – Gathering Pipeline Operators

- "Baseline Messages" in shaded sections are messages that should be given by the operator to respective stakeholder
- "Supplemental Messages" are those in the unshaded areas that are recommended only if the situation requires further communication because of unique circumstances.

Baseline messages from all tables include:

- Pipeline purpose and reliability
- Awareness of hazards and prevention measures undertaken
- Damage prevention awareness
- One-Call requirements
- Leak recognition and response
- Pipeline location information
- How to get additional information
- Availability of list of pipeline operators through NPMS
- Emergency preparedness communications
- Potential hazards
- Other requirements of the applicable One-Call Center
- Gathering pipeline location and purpose
- Specific description of products transported and any potential special hazards

Message Definitions and Examples:

Pipeline purpose and reliability

- Product the pipeline is transporting
- Reliability of the pipeline industry
- Role of pipelines in national energy transportation
- Pipeline efficiency
- Overall positive safety record
- Individual operator's safety record
- LDC infrastructure overview
- Natural gas end use

Awareness of hazard and prevention measures undertaken

- Typical causes of pipeline failure
- Overview of operator's programs to prevent and mitigate failures
- General information on product's potential hazards

Damage Prevention Measures

- 3rd party damage is a leading cause of pipeline accidents
- Any type of excavation can cause pipeline damage
- 3rd party damage can be eliminated by properly utilizing One-Call and Dig Safely's requirements

One-Call Requirements

- What the One-Call notification system is and how it operates
- How to contact One-Call, including phone numbers
- One-Call is a free service to excavators
- Utilizing One-Call may be the law in their state with legal penalties for violators
- Call One-Call before digging
- Wait for site markings
- Respect the marks
- Dig with care

Leak Recognition and Response

- Specific information about release characteristics and potential hazards posed by accidental release
- Recognizing leaks by sight, sound and smell relative to specific product
- Actions to take if a leak/release is suspected (i.e. what to do or what not to do)
- Assurance that operator has an ongoing liaison with emergency response officials

Pipeline Location Information (Transmission Operations)

- > Through bright and visible pipeline markers
 - Indicate pipeline ROW
 - Identify product transported
 - Name of pipeline operator and 24x7 emergency phone #
 - Include "warning petroleum pipeline" or "warning gas pipeline" with universal "No Dig" symbol
 - One-Call phone #

Pipeline Location Information (Transmission Operations) cont'd

- Through transmission pipeline maps
 - General public obtaining operator list through NPMS
 - System maps available to affected public
 - Local maps available to public officials and emergency responders
 - Digitized or paper local maps available to regional One-Call center if required
 - How stakeholders can obtain more specific information

How to get Additional Information

 Information on how key stakeholders can obtain additional or more specific pipeline information

Availability of List of Pipeline Operators through NPMS

 Information on how stakeholders can find operators in their community by accessing NPMS or the internet

Emergency Preparedness Communications

- Operator's priority to protect life, property and environment
- Operator's local office and 24-hour emergency phone line
- Emergency response plans
- Information learned through mutual drills and exercises

Potential Hazards

- General information on product hazard during accidental release for public
- Specific hazard information for emergency response officials

Other requirements of the Applicable One-Call Center

- One-Call membership requirements
- Other specific requirements

Gathering Pipeline Location and Purpose

- Gathering pipeline operators in the area
- Reliability of the gathering pipeline industry
- Role of gathering pipelines in national energy transportation
- Gathering pipeline efficiency
- Overall positive safety record
- Individual operator's safety record

Specific Descriptions of Products Transported and Any Special Hazards

- Specific product information
- Specific hazards associated with transported product

Supplemental Messages

Facility Purpose

Communication to the affected public, local officials and emergency responders should include general information, product content, and purpose about major facilities in their proximity, such as:

- Storage facilities
- Compressor or pump stations

Pipeline Maintenance Activities

- Maintenance that could affect any stakeholder should require advance notification by the operator
- Any major maintenance planned by the operator should be communicated by the operator to the affected public, local officials and emergency responders

Right-of-Way Encroachment Prevention

- Messages should raise awareness about dangers of encroachment, such as:
 - ➤ Impaired Right-of-way surveillance
 - ➤ Impaired Accessibility for planned and unplanned maintenance
 - ➤ Third-party damage

High Consequence Areas and Integrity Management Program Plans for Transmission Pipelines.

- Messages to affected public, local officials and emergency responders should include general information on HCA's and IMP's and how to obtain information.
- An overview of the operator's integrity plan should include in the information sent to emergency officials.

 A two-way dialogue on HCAs between the operator and the affected emergency responders should exist to disseminate information such as :

- ➤ Specific site conditions
- ➤ Staging areas, etc.

Message Documentation

All individual messages distributed to any of the key stakeholders should be documented and retained by the operator as found in:

- Mailed letters
- Bill stuffers
- Public announcements
- Meeting minutes
- Paid advertisements
- Website
- Brochures
- Other medians

Delivery Frequency and Methods

Steps 7 & 8

Public Awareness Program Workshop

Jerry Engelhardt
Kinder Morgan

Delivery Frequency

- Baseline frequencies for each audience contained in Table 2 of RP 1162
 - Table segmented into guidance for each type of pipeline operator
 - Baseline is the recommended maximum interval between successive communications
 - Specific circumstances may indicate more frequent communications (supplemental)

Baseline Frequency Considerations

- What are the risks this audience potentially faces as a result of the pipeline?
- How important is this audience in managing public and pipeline safety?
- How fast will this particular audience change?
- How important is repetition to this audience?

Public Officials' Views on Frequency

- Focus group meetings conducted in February 2002 with area public officials in Pittsburgh, Chicago, Dallas, and Los Angeles
- 97 participants
 - 43% fire/police/sheriff
 - 12% hazmat/environ/emerg mgmt
 - 13% highway/school/planning
 - 30% other

Public Officials' Views on Frequency

- How frequently should communications occur when there are no significant changes in activities or plans?
 - 71% said annually or quarterly
 - 11% said monthly or more frequently

Baseline Frequencies

Audience

<u>Pipeline</u> <u>Type</u> ✓	Residents & POC	Emergency Officials	Public Officials	Excavators & Contractors	<u>One Call</u> <u>Centers</u>	<u>LDC</u> <u>Customers</u>
HL & Gas Transmission	2 Years	Annual	3 Years	Annual	Requirements of One Call Center	
LDCs	Annual	Annual	3 Years	Annual	Requirements of One Call Center	Twice Annually
Gathering Lines	2 Years	Annual	3 Years	Annual	Requirements of One Call Center	

Follow-up on Frequency Selection

- Operator should document rationale on frequency adopted for each audience
- Operator should periodically consider what factors have changed in relation to appropriate frequency
- Update frequencies as appropriate

Methods for Consideration

- Targeted distribution of printed materials
 - Brochures, flyers, pamphlets, leaflets
 - Letters
 - Pipeline maps
 - Response cards
 - Bill stuffers

Methods (continued)

- Personal contact
 - Door to door
 - Telephone
 - Group meetings
 - Facility open houses
 - Community events
 - Charitable contributions
 - Emergency response drills

Methods (continued)

- Electronic
 - Videos/CDs
 - E-mail
 - Websites
- Mass media
 - PSAs on TV/radio
 - Newspapers/magazine articles
 - Paid advertising
 - Community and neighborhood newsletters

Methods (continued)

- Specialty advertising materials
- Collaboration with One Call Centers
- Collaboration with other interested stakeholders

Communications Methods

- Evaluate the audiences to determine the method(s) most appropriate to the needs
 - Rural versus urban
 - High versus low population density
 - Other sensitive receptors in area
- Factors in choosing methods (continued)
 - Capability to receive/view a message delivered via a selected method

When Should An Operator Supplement Its Public Awareness Program?

Step 9

Public Awareness Program Workshop

Molly Atkins

El Paso Pipeline Group

When Should an Operator Supplement Their Public Awareness Program?

- Considerations
- Approach
- Methods

Considerations

API RP 1162, Section 6 Relevant Factors

- Pipeline conditions
- Population, HCA's, sensitive areas
- Development, land use, excavation
- Operating history and experience
- Feedback and continuous improvement

Approach

- Modify Frequency
 - Seasonal or event-driven activities
 - High turnover areas
 - Development and land use changes
- Enhance Message Content or Delivery
 - Message not reaching the audience
 - Additional information necessary
 - HCA Communications (i.e. identified site information from public safety officials)
 - Tailor to the needs of the audience
- Modify Coverage Area

Methods

- Message
 - Overview of Integrity Management Plan
 - Planned construction/maintenance activity
 - HCA designation
 - Additional information specific to product, location, or response procedures unique to operator's pipeline
- Frequency
 - Seasonal/event-driven
 - Increased frequency
- Activity
 - Additional contact or group meetings
 - Additional methods of delivering message

Panel Members

- Mark Twarowski, Baltimore Gas & Electric
 - BG&E: Public Education Program Development Approach
- Mike Bellman, Yankee Gas
 - Supplemental Program Enhancements
- Tony Franchina, Shell Pipeline Company
 - Supplementary Practices

Baltimore Gas and Electric Public Education Program

Public Awareness Program Workshop

Mark Twarowski

Baltimore Gas and Electric

Public Education Program Development Approach

- BGE has an ongoing public communications program.
- All programs developed and administered by one organization.
- All information provided to every customer regardless of utility supplied.
- Review API 1162 recommended practices.
- Modify or add to current communications program as required.

Education Program Elements

- The use of a one-call notification system. (Miss Utility)
- Damage prevention activities.
- What is a customer to do in the event of an unintended release from a pipeline.
- How does a customer report unintended release from a pipeline.
- A point of contact for customers to obtain additional information.
- Program administration.

BGE's Public Awareness Message

- A broad overview of how pipelines operate.
- The hazards that can be posed by pipeline operations.
- The measures undertaken to prevent impact to public safety, property and the environment.
- How BGE prepares for emergencies so that consequences are minimized as a result of a pipeline incident.

BGE's Stakeholders

- The affected public.
- Local and state emergency response and planning agencies.
- Local public officials and governing councils.
- Excavators and land developers.

The Affected Public

- Awareness of pipelines near work and /or home.
- Hazards associated with unintended release.
- BGE's steps to prevent accidents and mitigate consequences.
- How to notify BGE regarding pipeline issues.
- How to assist in accident prevention through: Safe digging practices.
 Reporting unauthorized digging.
 Reporting suspicious activity.
- Awareness of land use by public and community in and around existing ROW.

Local Public Officials

- Awareness that a gas transmission line crosses their area of jurisdiction.
- Awareness of land use by public and community in and around existing ROW.
- Hazards associated with unintended release.
- BGE's steps to prevent accidents and mitigate consequences.
- How to contact BGE with questions on, public safety, Integrity Management Plans, High Consequence Areas and other matters.

Emergency Officials

- Location of gas transmission lines crossing their area of jurisdiction.
- Location of emergency response plans with respect to the subject pipelines.
- How to contact BGE with questions on, public safety, Integrity Management Plans, High Consequence Areas and other matters.
- How to safely respond to a pipeline emergency.

Excavators and Land Developers

- Awareness that digging/excavating along a ROW may affect public safety, pipeline safety, and pipeline operation.
- Information about damage prevention requirements in that jurisdiction.
- Information about one-call requirements in that jurisdiction.
- Information about safe excavation practices in association with underground utilities.
- How to notify BGE regarding a pipeline emergency or damage to a pipeline.
- Contact for emergency and non-emergency information

Deliver Methods and Frequency

- Consumer Reference Book
- Customer Newsletter/Bill Stuffer
- Direct mail
- Encroachment Letters
- Public Safety Ads
- Website
- Personal Contacts
- Training

Staggered through an annual schedule

Public Awareness Program Workshop

Mike Bellman Yankee Gas

- Residents and Businesses along the Distribution System
 - Baseline: annual paid advertising and constantly available website
 - Supplemental:
 - Tip cards Safety fairs and other events
 - Program advertisements
 - Phone book entries

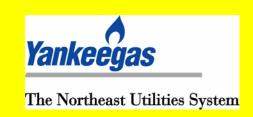


- Yankee Gas Customers
 - Baseline: Twice per year bill stuffers
 - Supplemental:
 - Higher frequency
 - Other Messages



Yankee Gas Customers			
Message	Method	Frequency	
The following are in addition to communications available to all residents and businesses along our distribution system			
Recognizing a Natural Gas Emergency	Yankee Gaslines	Spring and Fall	
	Scratch and Sniff Bill Insert	Annually (October)	
Actions to take for Natural Gas Emergency	Yankee Gaslines	Spring and Fall	
Gas Leak Emergency Phone Number	Yankee Gas bill stock	Monthly	
Call Before You Dig Reminder	Yankee Bill Insert	April, May, June, July	
	Yankee Gas bill stock	Monthly	
	On Hold Message	Spring and Summer	

Supplemental Communications are shaded



Yankee Gas Customers				
Message	Method	Frequency		
The following are in addition to communications available to all residents				
and businesses along our distribution system				

Carbon Monoxide Precautions	Yankee Gaslines	November and February
	Bill Insert	Annually (December)
Buried Fuel Line Inspection	Bill Insert	Quarterly (February, May, August, November)
Safe Use of Gas Appliances – keep vents clear of snow & Ice	Press Release	As needed based upon weather (snow) typically annually (February)

Supplemental Communications are shaded



- Emergency Officials: Fire Department Matrix
 - Establishes "priority" of communications based upon
 - Level of past cooperation (High = 1, Moderate = 2, Low = 3)
 - Exposure number of customers (Low = 1, Moderate = 2, High = 3)
 - Leak history incidence of leaks (Low = 1, Moderate = 2, High = 3)
 - Multiply factors for priority range from 1 to 27
 - Higher priority receives communications more frequently than Annual
 - Certified letter, personal contact



Supplementary Practices <u>Case Study</u>

Public Awareness Program Workshop

Tony Franchina
Shell Pipeline Company

- 1) Enhanced Message Content & Increased Frequency:
 - Pilot to supplement regular mass mailer program with a "deep plowing" flyer/mailer
 - Products pipeline in Illinois
 - Considerations:
 - Amount/type of agricultural / farming (i.e. "deep plow") activities
 - Discovered a number of top-side third party damages in some areas

- 1) Enhanced Message Content & Delivery Frequency Continued:
 - Delivery door-to-door for pilot; plan to mail in the future
 - Frequency/Timing alternating years from regular ROW mass mailing; planting season
 - Audience Selection use SIC codes to send to subscribers of agricultural/farming related periodicals
 - Coverage Area 5-10 miles each side of pipeline (determine based on pipeline particulars)



2) Increased Frequency:

- ROW Mass Mailer
- Pilot on a products pipeline in Texas
- Considerations:
 - Traverses HCA high-population areas in Houston and Dallas
 - Likely frequent population changes
 - Considerable growth and development
 - Likely increased potential for third party damage

Supplemental Practices – Case Studies 2) Increased Frequency – Continued:

- Delivery Mass Targeted ROW Mailing
- Frequency Changed to annual mailings in the Houston and Dallas/Ft. Worth areas
- Audience Selection Residents, businesses, etc. (all known addresses) along the pipeline route. Use vendor to develop list and perform mailing.
- Next Step Validation of Effectiveness

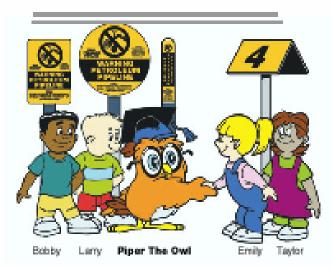
3) Delivery Outreach Method:

- Use of supplementary communications methods/materials for schools: Children's Activity Book and school book covers
- Shell pipelines in the U.S.
- Considerations:
 - Proximity of pipelines to a number of schools – specific local situations
 - Increased emphasis on communications with schools

3) Delivery Outreach Method – Cont'd:

- Delivery Face-to-face presentations in elementary schools along and near the pipeline route
- Frequency Varied and ongoing
- Messages:
 - Material focused on children
 - Messages about Pipeline Safety and Damage Prevention focused on parents and teachers

Marker signs above ground approximate the location of pipelines below ground.



A Message to Parents and Teachers





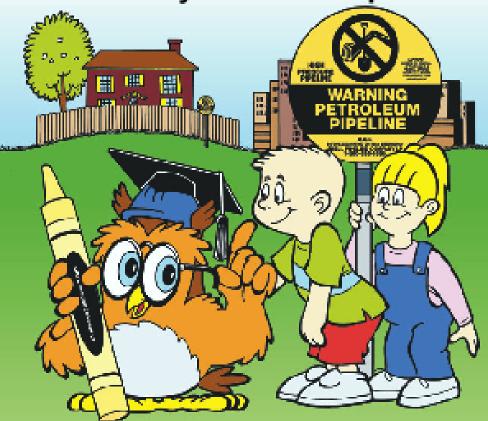
Shell Pipeline Company LP





Pipeline Safety

Everyone Can Help



Safety Is No Accident. Listen To Piper The Owl, Your Friend In Safety.

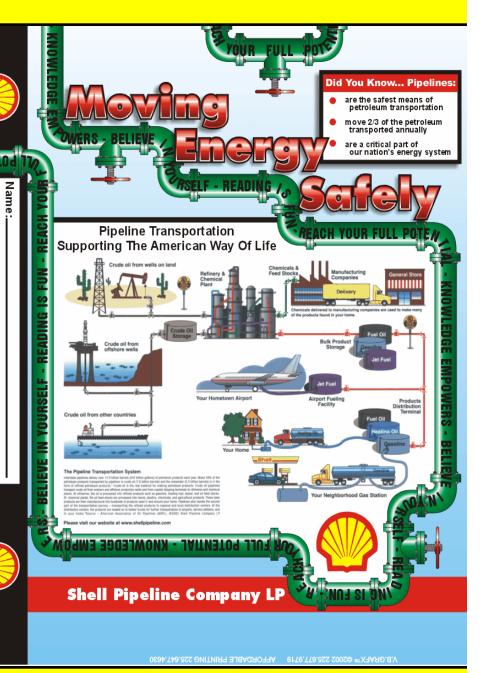






Visit our website at www.shellpipeline.com







Implement Program and Track Progress

Step 10

Public Awareness Program Workshop

Lori Komatar Williams

IMPLEMENT PROGRAM

- Develop resource plan and budget that describes key roles and responsibilities
- Identify and assign company positions/employees that will carry out program
- Identify external resources/tools needed
- Identify media and methods of communication and basis for selecting
- Determine frequency of communications and basis for selecting

IMPLEMENT PROGRAM

- Determine where supplemental efforts (beyond the baseline program) will be used and the basis for selecting
- Identify the evaluation process including objectives and methodologies to be used to perform the evaluation and analyze the results
- Identify the criteria for program improvement based on the results of the evaluation

PROGRAM RECORDKEEPING

- Maintain lists of audiences receiving materials
- Maintain copies of materials mailed/delivered
- Maintain documentation of meetings, training, and other contacts or feedback from public
- Document all program evaluations, including current results, follow-up actions and expected results
- Retain records for a minimum of 5 years

Program Evaluation and Improvement:

Steps 11 & 12

General Concepts and RP 1162 Approach

Baltimore, Maryland
September 16, 2003
Philip Schaenman, President





Personal Background

- Performance measurement for Bell System, municipal services
- Founded TriData Corporation (1981)
 - Safety, emergency management, performance measurement
- Worked with API in 80s on fire and occupational safety data
- 25 Years experience in performance measurement
 - Proving Public Fire Education Works
 - Overcoming Barriers to Public Fire Education
 - Chap. 8, Program Evaluation, RP 1162 (co-author)
 - Self-Evaluation form (reviewer)



Program Evaluation

Objectives

1. Evaluate status of implementing the operator's public awareness program. (process measures)

Evaluate effectiveness of public awareness program. (output and outcome measures)



Measuring Program Implementation

- Is there a written plan to achieve public awareness goals?
- Does it follow RP 1162?
- Has the program been implemented according to plan?
- What is the program status versus planned schedule?
- Is program updated with evaluation data, and as organization or environment changes?



Potential Sources of Data for Implementation Measures

- Public Awareness Program Manager
- Internal self-evaluation committee
- Third-party reviewer
- Regulator



Program Effectiveness

Hierarchy of Measures

- Outreach e.g., number and percent of target stakeholders reached
- Knowledge/Understandability e.g., "test" score of stakeholders on key messages
- Behavior Do they do the right thing?

 (e.g., call one-call, dig safely; take appropriate actions when a leak occurs)
- Results e.g., # of third party incidents; severity of consequences



Data Collection Technique: Routine Record Keeping

```
    # Contacts with local officials,
emergency responders (outreach)
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Homes reached by direct mail (outreach)

Increase in one-call tickets (behavior)

Third party excavation incidents (outcomes)



Data Collection Technique: Focus Groups

- Focus Groups (6-12 people)
 - Citizens near pipeline
- Employees not involved in program

- Excavators

- First responders
- Local government officials
- Run by professional facilitator or PR person
- Get data, insights on understandability of materials, state of knowledge
- Do early in program planning or when major change is planned



Data Collection Technique: Surveys

- Survey
 - Affected public along pipeline
 - Excavators
 - Local government officials
 - First responders
- Measure awareness, knowledge, behavior data
- Sample Size
 - Much less than you might think
 - Even 100 citizens is good
- Baseline Frequency = 4 years
- Consider cooperative surveys with trade associations



Data Collection Technique: Post-Incident Reviews

Provides most critical, bottom-line information:

- Were incidents caused by third parties? (outcome)
- Was a call made before digging? (behavior)
- Did citizens and/or first responders act appropriately:
 - Recognize leak?
 - Report incident to correct number?
 - Take appropriate safety precautions?

(knowledge/behavior)



Summary

- Basic idea is to measure
 - Program status (process)
 - Outreach
 - Knowledge
 - Behavior
 - Bottom-line outcome
- Basics in RP 1162 (Section 8 and Appendix E)

Public Awareness Program Process Guide Establish P.A. Program Administration with **Management Support** (Steps 1 - 4)**Evaluate Program** Determine the and Implement Identify the Messages Continuous Stakeholder (Step 6) **Improvement Audiences** (Steps 11 and 12) (Step 5) Establish the **Frequencies** (Step 7) Assess Need for Implement the **Establish Program Program and** Delivery Enhancement (i.e. Track Progress Methods **Supplemental** (Step 8) (Step 10) Activities) (Step 9)

Figure 2-1





Program Evaluation and Improvement

Case Studies

- Susan Castglione-Baranski Colonial Pipeline
- Bev Chipman Williams Gas Pipeline
- Molly Atkins El Paso Pipeline Group

Moderator: Phil Schaenman – TriData

Colonial Pipeline Case Study

Survey Tools, Techniques and Experiences to Assess Public Awareness

Susan Castiglione-Baranski Senior Manager, Corporate & Public Affairs Colonial Pipeline Company

Public Opinion Surveys

- Survey Groups
 - Residents along proposed expansion project route
 - Residents along existing pipeline
 - Public in general vicinity of pipeline
- Types of Surveys
 - Telephone
 - Written questionnaire submitted via U.S. Mail

Public Opinion Surveys

Type of Survey	Audience F	Number of Participants	Year	Cost
Telephone Survey	 Residents along proposed expansion route 	• 800 contacts	1999	\$12,000
	 Residents in vicinity of pipeline Knoxville TN 	• 300 contacts	2001	\$6,250
Mailed Questionnaire*	 Residents along Colonial's Pipeline System 	• Sample size: 2,712; 615 responses	2002	\$30,000

^{*}Focus Groups also used to validate questionnaire results

Public Education Program Response Cards

- Information/Comment Cards mailed with Public Education Materials in 2001
 - 12,200 people surveyed
 - Cost: \$1,500.00
- Results
 - 1,100 cards returned
 - Corrected resident addresses
 - Identified situations requiring attention
 - Comments on materials received, requests for information, perceptions of Colonial, etc.

Focus Groups

- Third Party contracted to conduct resident focus groups in 2002 to validate mail questionnaire
 - Chattanooga, Tennessee and Atlanta, Georgia
 - Four Focus Groups held; two demographic types: rural and urban
 - Assess landowner/resident knowledge of Colonial, identify issues, establish preferences for receiving information
 - Cost: \$10,000

Results

- Level of public awareness of Colonial Pipeline
- Recommendations for improving direct contacts (personnel, approach and attitude)
- Preferences regarding effective communication methods and frequency of contact

Large Scale Evaluation and Research Project

Case Study

Bev Chipman

Williams Gas Pipeline

Large Scale Evaluation and Research Project

- Williams Gas Pipeline initiated a national research project in 2001
 - Five natural gas pipelines
 - Wirthlin Worldwide consulting and research firm

Goals were:

- To determine level of public/stakeholder awareness of gas pipeline industry and local operations
- Identify best methods for reaching stakeholders
- Identify key messages for stakeholder groups landowners, public officials and the media

Methodology

- National Quorum Questions tagged on to Wirthlin National Quorum
 - 12 questions
 - 1,000 adults in targeted states/communities
- Triad (Focus) Groups in communities along the pipeline
 - New Jersey, North Carolina, Kansas, Washington
 - Individual sessions with 3 stakeholder groups (landowners, media, community leaders)
- Benchmark telephone survey of targeted stakeholders (800+)

Methodology

- WGP provided line lists and stakeholder lists for phone survey
- Wirthlin supplemented lists
- WGP reviewed and approved all questions
- Research conducted over a two month time period
- Extensive final report included recommendations on tactics for reaching stakeholders and messaging

What We Learned

General themes:

- Community leaders and landowners have a generally favorable impression of natural gas pipelines
- Community leaders and media do not understand the various aspects of the industry - producers vs. transporters vs. delivery – are all mixed together
- Landowners want more information about pipelines in their area not generic information
- Safety is a primary concern for all stakeholder groups due to a lack of knowledge about pipelines
- The more familiar people/stakeholders are with pipelines the more favorable they become

What We Learned

General Themes:

- The preferred method of delivering information is inperson (a personal visit, meeting, site tour, etc.)
 Direct mail was listed second.
- Messaging: Pipelines must be tied with the service and value they provide ex: "improving the quality of life" the fuel that "heats your home and generates electricity"
- Messaging: Operational messages alone are not enough – too much emphasis on "safety" creates safety concerns

Small Scale Evaluation Project

2002 Landowner Survey

- Direct mail piece targeting landowners along Williams' Northwest, Central and Transco Pipelines
- 67,000 landowners
- Brochure containing operations and safety-related
- information
- Eight-panel, single-color, tri-fold with postage paid tear off response card
- In-house project with no outside consultant or direct mail firm

Goals

- To provide useful operations and safety information to people living on or near a Williams pipeline
- Sample landowner/residents general awareness of pipeline facilities in their area
- Identify a desired frequency and best methods for conveying safety related information

Methodology

- Brochures mailed or hand delivered to landowners/residents along the right of way
- Brochure developed in-house and printed by local vendor using volume discount
- Brochure sized to qualify for minimum postal rate
- Postal account for returned response cards established at a single post office to reduce costs – single annual fee and volume discount
- Results tabulated in-house using Excel spreadsheet format

What We Learned . .

- Landowners along the right of way want more customized information on the facilities in their area in addition to general pipeline operations/safety information
 - Example: Size of pipe, pipeline purpose and reliability, customers served, number of pipes, volumes, maintenance plan, local numbers, etc.
- Information via the mail is desired once a year (80%) vs. twice a year
- Safety information is kept by the phone (60%) and magnets and stickers with phone numbers are popular items. The refrigerator ranked #2, desks ranked #3
- Some of the copy points in the brochure were inconsistent and unclear (message testing)
- Landowners expressed thanks and provided unsolicited positive comments about local operations staff

Conclusions

- Both surveys provided valuable information
 - Wirthlin project provided valuable insight on messaging
 - Landowner survey provided insight on tactics and allowed us to 'test" brochure copy for understanding
- Both evaluation tools provided positive feedback on local operations and reinforced the importance of <u>customizing messages</u> and localization when possible
- Both projects were time intensive for in-house staff
- Share evaluation results and insights with senior management and employees

Assessment and Implementation of API RP 1162 Requirements Case Study

Public Awareness Program Workshop

Molly Atkins
El Paso Pipeline Group

El Paso Pipeline Group Pilot Project

Assessment and Implementation of API RP 1162 Requirements

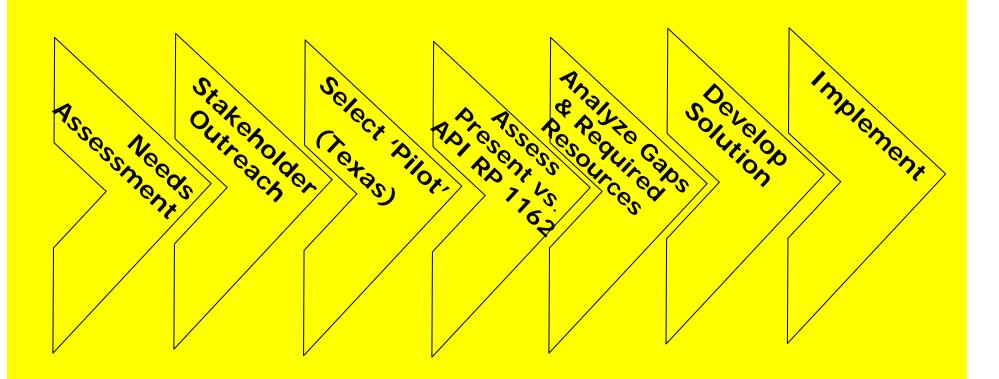
- The Issues
- Approach
- The Needs
- Interfaces
- Benefits

The Issues

API RP 1162, "Public Awareness Programs for Pipeline Operators"

- Expands El Paso's audience of those who must be contacted
- Increases data and documentation management to demonstrate compliance
- Requires measurement of effectiveness of Public Awareness Program activities

<u>Approach</u>



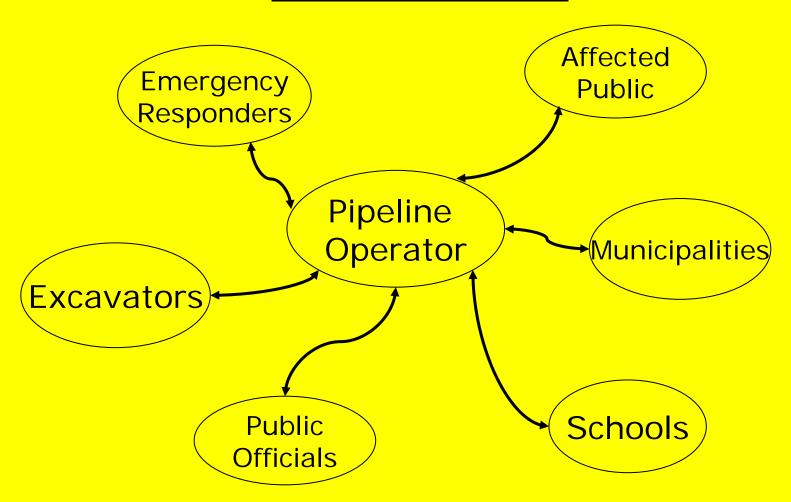
The Needs

- Identify and Manage Contact Information
 - Government Officials, Emergency Responders
 - Schools, Municipalities, General Public
 - Excavators
- Share Information (Operator/Stakeholder)
 - Understand each other's capabilities/needs
 - Plan for mutual assistance
 - HCA Communications (i.e. identified site information from Public Safety Officials)
 - Contact information; emergency and routine
- Document Activities and Measure Effectiveness of Contact Efforts

<u>Identify and Manage Contact Information</u>

- El Paso Pipeline Group operates approximately 50,000 miles of interstate natural gas pipelines on roughly 20,000 miles of right of way in 35 states, through more than 1,000 counties and parishes, and tens of thousands of cities and towns across the United States
- Consisting of five operating companies, including ANR Pipeline, Colorado Interstate Gas, El Paso Natural Gas, Southern Natural Gas, and Tennessee Gas Pipeline with ten division offices and 62 area offices
- Located in more than 550 identified LEPCs with more than an estimated 10,000 Fire Departments, the majority of which are rural or volunteer
- Participating in 38 One Call Centers, and averaging 1,500 facility locate calls per day, in the Pipeline Group
- Adjacent to an estimated 400,000 businesses and residences located directly on the right of way with an affected public in excess of 1,000,000 contacts

Interfaces



Shared Information

- Emergency Responder Liaison
 - Contact Information (Pipeline and Responder)
 - Response Capabilities (Equipment, Resources)
 - Facility Location Information
 - Jurisdictional Boundaries
 - Response Plans
- Public Officials
 - Contact Information (Pipeline and Officials)
 - Planning Activities and Construction Schedules
- Annual Municipality Contact
 - Contact Information (Pipeline and Municipality)
 - Facility Location Information
- One Call Facility Location Information
- HCA Identified Sites
 - Overview of Integrity Management Plan
 - Public Safety Official Input

Documentation and Performance Evaluation

- Documentation
 - Message Delivery
 - Receipt Confirmation
 - Contact Lists
- Performance Metrics
 - Automatically tracked
 - Report Generation
- Effectiveness
 - Feedback
 - Online Survey
 - Target and Monitor Behavior

Benefits

- Enhanced liaison communications
- Sharing and management of information at appropriate level
- 'Buy In' from the end-point users
- Reduction of costs to implement API RP 1162 requirements for distribution, evaluation, and documentation
- Reduction in staffing requirements to implement API RP 1162

Adjourn Day 1

Workshop Website:

http://primis.rspa.dot.gov/edu/RP1162_workshops.htm

- Tomorrow's Session Begins at 8:00 AM
- Bring Completed Self-Assessment Forms
- Don't forget about the Workshop Evaluation Forms

Resume slides Day 2, Session 1