

# **APPENDIX F**

## **Industry Practices Questionnaire Statistics of Responder Companies**

## 1.0 Introduction

A major focus of the American Gas Foundation study, “Enhancement of Gas Utility Infrastructure Integrity” is to identify current processes, practices and procedures utilized by local gas distribution (LDC) and Municipal operators to address threats to the nation’s distribution infrastructure.

The tool used to ascertain these processes, practices and procedures was an industry practices questionnaire, Appendix G. The questionnaire was sent out to 36 operators; 24 members of the American Gas Association (AGA) and 12 members of the American Public Gas Association (APGA). These operators were selected through input from the Distribution Infrastructure Steering Group (DISG) and the Distribution Infrastructure Government-Industry Team (DIGIT). This group of operators was selected as a representative sample of industry.

Responses were received from 23 operators; 15 AGA members and 8 APGA members.

The following provides key statistics of the responders, as a whole, as compared to the total industry.

## 2.0 Operator Statistics (Calendar Year 2002)

### 2.1 States and National Association of Pipeline Safety Representatives (NAPSR) Regions

The 23 responders operate in 26 states and represent all five of the National Association of Pipeline Safety Representatives (NAPSR) regions.

### 2.2 Customer Count

The customer count for the 23 responders, taken as a whole, is as follows:

	23 Responders	Nation's Total	% of Nation's Total
Residential Customers	15,567,367	60,782,000	25.6%
Commercial Customers	1,324,943	5,016,000	26.4%
Industrial Customers	40,221	206,000	19.5%
Total Customers	16,932,531	66,004,000	25.7%

Individually, the 23 responders ranged in size from:

	AGA Members (15)	APGA Members (8)
Smallest	27,000	3,100
Largest	3,209,000	515,000

### 2.3 Mileage of Mains

The following table represents the main mileage statistics of the 23 responders, taken as a whole, as compared to the total industry. The total industry data was provided by the Office of Pipeline Safety (OPS) as a download of their annual report database for the calendar year 2002.

	23 Responders	OPS Total	% of OPS Total
Unprotected bare steel	26,037	61,654	42.2%
Protected bare steel	1,344	16,455	8.2%
Unprotected coated steel	5,752	15,835	36.3%
Protected coated steel	86,882	458,505	18.9%
Plastic	104,465	509,826	20.5%
Cast / wrought iron	15,054	42,025	35.8%
Ductile iron	504	1,705	29.6%
Copper	2	45	4.4%
Other	519	1,356	38.3%
Total Main Mileage	240,559	1,107,406	21.7%

### 2.4 Service Counts

The following table represents the service count statistics of the 23 responders, taken as a whole, as compared to the total industry. The total industry data was provided by the Office of Pipeline Safety (OPS) as a download of their annual report database for the calendar year 2002.

	23 Responders	OPS Total	% of OPS Total
Unprotected bare steel	2,278,446	4,205,068	54.2%
Protected bare steel	34,758	976,416	3.6%
Unprotected coated steel	279,157	474,613	58.8%
Protected coated steel	3,020,583	17,108,853	17.7%
Plastic	8,740,864	34,487,405	25.3%
Cast / wrought iron	4,071	77,895	5.2%
Ductile iron	433	465	93.1%
Copper	125,896	1,364,545	9.2%
Other	28,493	963,487	3.0%
Total Service Counts	14,512,701	59,658,747	24.3%

### 3.0 Incident Data and Consequences Comparison (For the Period of Calendar Years 1998 – 2002)

The mains mileage was available for the calendar years 1985, 1990, 1994, 1998 and 2002. The following table compares mains mileage and incidents and consequences between the survey group and industry for all parts of the distribution system between 1998 and 2002.

It should be noted that there is a slight discrepancy between the mileage provided from the OPS Annual Report Database from the values posted on the OPS website.

	<b>23 Responders</b>	<b>OPS Total</b>	<b>% of OPS Total</b>
1998 Mains Mileage	207,522	1,040,453	19.9%
2002 Mains Mileage	240,559	1,107,406	21.7%
Average Mains Mileage (1998-2002)	224,041	1,073,930	20.9%
Total Mains Incidents (1988-2002)	61	246	24.8%
Incidents per 100,000 Miles	27.2	22.9	
Total Mains Fatalities and Injuries (1998-2002)	32	129	24.8%
Fatalities and Injuries per 100,000 Miles	14.3	12.0	
Total Property Damage (1998-2002)	\$10,271,710	\$104,995,700	9.80%
Property Damage per 100,000 Miles	\$4,584,756	\$9,776,773	
	<b>23 Responders</b>	<b>OPS Total</b>	<b>% of OPS Total</b>
1998 Service Counts	12,335,256	55,738,651	22.1%
2002 Service Counts	14,512,701	59,658,747	24.3%
Average Service Counts (1998-2002)	13,423,979	57,698,699	23.3%
Total Service Incidents (1988-2002)	30	167	18.0%
Incidents per 100,000 Services	0.22	0.29	
Total Service Fatalities and Injuries (1998-2002)	32	128	25.0%
Fatalities and Injuries per 100,000 Services	0.24	0.22	
Total Property Damage (1998-2002)	\$3,645,786	\$29,870,786	12.2%
Property Damage per 100,000 Services	\$1,627,289	\$2,781,446	