

1-27-2003

The El Paso Association of Builders Study: A City-wide Survey of Voter Attitudes

Gary L. Sullivan

University of Texas at El Paso, gsull@utep.edu

Follow this and additional works at: http://digitalcommons.utep.edu/iped_techrep



Part of the [Business Commons](#), and the [Economics Commons](#)

Comments:

IPED Technical Report: 2003-2

Recommended Citation

Sullivan, Gary L., "The El Paso Association of Builders Study: A City-wide Survey of Voter Attitudes" (2003). *IPED Technical Reports*. Paper 23.

http://digitalcommons.utep.edu/iped_techrep/23

This Article is brought to you for free and open access by the Institute for Policy and Economic Development at DigitalCommons@UTEP. It has been accepted for inclusion in IPED Technical Reports by an authorized administrator of DigitalCommons@UTEP. For more information, please contact lweber@utep.edu.

**The El Paso Association of Builders Study:
A City-wide Survey of Voter Attitudes**

By

Dr. Gary L. Sullivan

Direct All Comments and Questions to:

Mr. Danny Salazar
El Paso Association of Builders
6046 Surety Drive
El Paso, Texas 79905
915-778-5387

January 27, 2003
IPED Technical Report 2003-02

Survey Research Center
Institute for Policy and Economic Development (IPED)
iped@utep.edu
<http://iped.utep.edu>
The University of Texas at El Paso
El Paso, Texas 79968-0703



Introduction

The El Paso Association of Builders (EPAB) contacted the Survey Research Center at the Institute for Policy and Economic Development (IPED) at the University of Texas at El Paso (UTEP) during fall 2002 to do a large-scale survey of El Paso voters. IPED Executive Director Dr. Dennis Soden and Dr. Gary Sullivan met with a committee from EPAB to determine the research objectives. From these discussions, six survey themes emerged:

- 1) How is the El Paso building industry viewed by voters?
- 2) Do voters understand what the El Paso building industry contributes to the local economy?
- 3) Do voters understand impact fees and have an opinion?
- 4) What are voter attitudes toward growth in El Paso?
- 5) Do voters understand the Public Service Board (PSB) and have an opinion?
- 6) Are voters happy with their elected representative, including the Mayor?

Survey questions were developed and refined in an exhaustive process involving the EPAB committee and the survey research specialist, Dr. Gary Sullivan. Following a careful pretest of each question, the EPAB committee approved the final (third draft) questionnaire and authorized the Survey Research Center at IPED to begin data collection.

Database and Procedure

The official voter roll for El Paso County in 2002 contained 347,352 records; however, telephone numbers are excluded from the roll by law. As such, the telephone sample of registered voters for the El Paso Builder's Association Survey was obtained from Survey Sampling Incorporated (SSI), a source recommended to the Institute for Policy and Economic Development at UTEP by the U.S. Census Bureau. IPED requested from SSI a random sample of 20,000 registered voters for El Paso County, pre-tested for disconnects and dedicated fax lines. The sample was then matched to the official voter roll for El Paso County, Texas. Matching was performed via name and address relationships created in Microsoft Access. The table created from the Access query guaranteed that the SSI phone sample matched the official voter roll. The matching also appended voter precinct information to each voter telephone number, thus allowing calls to be made to specific city council districts. All callers asked only for the person listed as the registered voter for a given telephone number.

All calls were made from November 11th to December 2nd, 2002, Monday through Sunday, between 12:00 pm and 8:00 pm. Fifteen callers, each of whom was bilingual, served as interviewers. Each caller received three hours of paid training prior to beginning work. Three

IPED staff members were used as calling crew supervisors, with at least one on hand at all times while calls were being made. Callers entered all information into custom forms created in Microsoft Access. Each caller received one call sheet at a time, allowing supervisors to track completed calls and remove them from the remaining sample. As specific completion goals for individual city council districts were met, phone numbers pertaining to the specific completed district were removed from the remaining sample database.

Statistical Overview

A random sample of 1,700 El Paso registered voters (a minimum of two hundred in each of eight council districts) was surveyed via telephone. Participants were drawn from a master list of registered voters compiled for this study. The sampling plan was developed to facilitate meaningful comparisons of responses across council districts.

At the 95 percent confidence level, a sample of 1,700 gives city-wide (or total sample) findings an accuracy level of plus or minus three percent of the mean (i.e., a range of 97 percent to 103 percent of the citywide mean). For example, if 60 percent of respondents agree with a particular item, we can conclude that the actual value lies somewhere between 58.2 percent and 61.8 percent. This sample size affords a high level of survey precision.

A sample of 200 in each of the eight council districts gives district-level findings an accuracy level of plus or minus 12 percent of the district sample mean (i.e., a range of 88 percent to 112 percent of the district mean). So, if sixty percent of respondents agree with a particular item, the actual value lies somewhere between 52.8 percent and 67.2 percent. Although the sharp reduction in sample size widens the confidence interval at the district level, within district findings and between districts comparisons are still meaningful.

More detailed information about survey sample size and effects on survey results is available in the Appendix D following this report. Material for this Appendix was taken from: Pamela L. Alreck and Robert B. Settle (1995). **The Survey Research Handbook**, Second Edition, Irwin Press, Chapter 3.

Questions Asked

Several questions were developed for each research theme. These questions are presented in Appendix B.

Results and Analysis

Findings for each question asked were cross-tabulated with the eight council districts in El Paso. These tables report the city-wide results along with specific results on each district. A chi-square significance test was run on each survey question to determine if there were significant differences in findings among the various districts. Whenever the Pearson Chi-

Square value shown for the two-sided test fall below 0.05 (see separate table for each question asked), we can conclude that there are significant differences among the districts on that particular question. Each time this happens, the reader should carefully examine the cross-tabulation table to see which district(s) showed results differing from city-wide findings. Results follow in Appendix A.

Appendix A: Survey Findings

1a) El Paso builders are a positive influence in our community. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1a) El Paso builders are a positive influence in our community.	Disagree	Count	40	24	26	32	26	20	20	28	216
		% within City Council District	16.9%	11.6%	12.8%	15.2%	11.3%	9.9%	9.9%	13.9%	12.7%
		% of Total	2.4%	1.4%	1.5%	1.9%	1.5%	1.2%	1.2%	1.7%	12.7%
	Agree	Count	163	156	137	148	179	161	155	157	1256
		% within City Council District	68.8%	75.4%	67.5%	70.1%	77.5%	79.3%	76.4%	78.1%	74.1%
		% of Total	9.6%	9.2%	8.1%	8.7%	10.6%	9.5%	9.1%	9.3%	74.1%
	Don't know	Count	34	27	40	31	26	22	28	16	224
		% within City Council District	14.3%	13.0%	19.7%	14.7%	11.3%	10.8%	13.8%	8.0%	13.2%
		% of Total	2.0%	1.6%	2.4%	1.8%	1.5%	1.3%	1.7%	.9%	13.2%
Total		Count	237	207	203	211	231	203	203	201	1696
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.2%	12.0%	12.4%	13.6%	12.0%	12.0%	11.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	24.780 ^a	14	.037
Likelihood Ratio	24.614	14	.039
Linear-by-Linear Association	.278	1	.598
N of Valid Cases	1696		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 25.60.

1b) El Paso builders have too much influence in local politics. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1b) El Paso builders have too much influence in local politics.	Disagree	Count	72	54	54	58	67	43	51	54	453
		% within City Council District	30.4%	26.1%	26.5%	27.5%	28.9%	21.2%	25.1%	26.9%	26.7%
		% of Total	4.2%	3.2%	3.2%	3.4%	3.9%	2.5%	3.0%	3.2%	26.7%
	Agree	Count	100	101	98	93	109	100	107	109	817
		% within City Council District	42.2%	48.8%	48.0%	44.1%	47.0%	49.3%	52.7%	54.2%	48.1%
		% of Total	5.9%	5.9%	5.8%	5.5%	6.4%	5.9%	6.3%	6.4%	48.1%
	Don't know	Count	65	52	52	60	56	60	45	38	428
		% within City Council District	27.4%	25.1%	25.5%	28.4%	24.1%	29.6%	22.2%	18.9%	25.2%
		% of Total	3.8%	3.1%	3.1%	3.5%	3.3%	3.5%	2.7%	2.2%	25.2%
Total		Count	237	207	204	211	232	203	203	201	1698
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.2%	12.0%	12.4%	13.7%	12.0%	12.0%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	16.120 ^a	14	.306
Likelihood Ratio	16.450	14	.287
Linear-by-Linear Association	.098	1	.754
N of Valid Cases	1698		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 50.66.

1c) El Paso builders are concerned about affordable housing. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1c) El Paso builders are concerned about affordable housing.	Disagree	Count	73	82	59	79	75	74	74	72	588
		% within City Council District	30.9%	39.6%	28.9%	37.4%	32.3%	36.5%	36.5%	35.8%	34.6%
		% of Total	4.3%	4.8%	3.5%	4.7%	4.4%	4.4%	4.4%	4.2%	34.6%
	Agree	Count	114	96	109	102	128	112	98	97	856
		% within City Council District	48.3%	46.4%	53.4%	48.3%	55.2%	55.2%	48.3%	48.3%	50.4%
		% of Total	6.7%	5.7%	6.4%	6.0%	7.5%	6.6%	5.8%	5.7%	50.4%
	Don't know	Count	49	29	36	30	29	17	31	32	253
		% within City Council District	20.8%	14.0%	17.6%	14.2%	12.5%	8.4%	15.3%	15.9%	14.9%
		% of Total	2.9%	1.7%	2.1%	1.8%	1.7%	1.0%	1.8%	1.9%	14.9%
Total		Count	236	207	204	211	232	203	203	201	1697
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.0%	12.4%	13.7%	12.0%	12.0%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	22.891 ^a	14	.062
Likelihood Ratio	23.435	14	.054
Linear-by-Linear Association	2.695	1	.101
N of Valid Cases	1697		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 29.97.

1d) El Paso builders deliver good quality and value. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1d) El Paso builders deliver good quality and value.	Disagree	Count	56	52	51	77	79	69	58	59	501
		% within City Council District	23.6%	25.1%	25.1%	36.5%	34.2%	34.3%	28.7%	29.4%	29.6%
		% of Total	3.3%	3.1%	3.0%	4.5%	4.7%	4.1%	3.4%	3.5%	29.6%
	Agree	Count	134	110	105	92	119	103	107	127	897
		% within City Council District	56.5%	53.1%	51.7%	43.6%	51.5%	51.2%	53.0%	63.2%	53.0%
		% of Total	7.9%	6.5%	6.2%	5.4%	7.0%	6.1%	6.3%	7.5%	53.0%
	Don't know	Count	47	45	47	42	33	29	37	15	295
		% within City Council District	19.8%	21.7%	23.2%	19.9%	14.3%	14.4%	18.3%	7.5%	17.4%
		% of Total	2.8%	2.7%	2.8%	2.5%	1.9%	1.7%	2.2%	.9%	17.4%
Total	Count	237	207	203	211	231	201	202	201	1693	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	14.0%	12.2%	12.0%	12.5%	13.6%	11.9%	11.9%	11.9%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	41.987 ^a	14	.000
Likelihood Ratio	44.665	14	.000
Linear-by-Linear Association	13.341	1	.000
N of Valid Cases	1693		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 35.02.

1e) El Paso builders are concerned about the future of our city. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1e) El Paso builders are concerned about the future of our city.	Disagree	Count	78	55	42	65	71	55	51	46	463
		% within City Council District	32.9%	26.6%	20.7%	30.8%	30.6%	27.2%	25.1%	22.9%	27.3%
		% of Total	4.6%	3.2%	2.5%	3.8%	4.2%	3.2%	3.0%	2.7%	27.3%
	Agree	Count	130	123	127	123	141	121	124	120	1009
		% within City Council District	54.9%	59.4%	62.6%	58.3%	60.8%	59.9%	61.1%	59.7%	59.5%
		% of Total	7.7%	7.3%	7.5%	7.3%	8.3%	7.1%	7.3%	7.1%	59.5%
	Don't know	Count	29	29	34	23	20	26	28	35	224
		% within City Council District	12.2%	14.0%	16.7%	10.9%	8.6%	12.9%	13.8%	17.4%	13.2%
		% of Total	1.7%	1.7%	2.0%	1.4%	1.2%	1.5%	1.7%	2.1%	13.2%
Total		Count	237	207	203	211	232	202	203	201	1696
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.2%	12.0%	12.4%	13.7%	11.9%	12.0%	11.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	20.581 ^a	14	.113
Likelihood Ratio	20.927	14	.104
Linear-by-Linear Association	2.176	1	.140
N of Valid Cases	1696		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 26.55.

1f) El Paso builders care about our environment. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1f) El Paso builders care about our environment.	Disagree	Count	105	79	62	81	97	69	72	82	647
		% within City Council District	44.5%	38.3%	31.5%	38.9%	42.4%	34.0%	35.5%	41.4%	38.5%
		% of Total	6.3%	4.7%	3.7%	4.8%	5.8%	4.1%	4.3%	4.9%	38.5%
	Agree	Count	106	99	102	96	108	109	107	96	823
		% within City Council District	44.9%	48.1%	51.8%	46.2%	47.2%	53.7%	52.7%	48.5%	49.0%
		% of Total	6.3%	5.9%	6.1%	5.7%	6.4%	6.5%	6.4%	5.7%	49.0%
	Don't know	Count	25	28	33	31	24	25	24	20	210
		% within City Council District	10.6%	13.6%	16.8%	14.9%	10.5%	12.3%	11.8%	10.1%	12.5%
		% of Total	1.5%	1.7%	2.0%	1.8%	1.4%	1.5%	1.4%	1.2%	12.5%
Total		Count	236	206	197	208	229	203	203	198	1680
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.3%	11.7%	12.4%	13.6%	12.1%	12.1%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17.195 ^a	14	.246
Likelihood Ratio	17.073	14	.252
Linear-by-Linear Association	.006	1	.936
N of Valid Cases	1680		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 24.63.

1g) How much profit is there on a \$100K home? * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1g) How much profit is there on a \$100K home?	5% or less	Count	9	9	7	14	9	17	13	14	92
		% within City Council District	4.1%	4.7%	3.9%	7.1%	4.0%	8.7%	6.8%	7.8%	5.8%
		% of Total	.6%	.6%	.4%	.9%	.6%	1.1%	.8%	.9%	5.8%
	6 to 10%	Count	15	12	5	8	14	6	8	5	73
		% within City Council District	6.8%	6.2%	2.8%	4.1%	6.3%	3.1%	4.2%	2.8%	4.6%
		% of Total	1.0%	.8%	.3%	.5%	.9%	.4%	.5%	.3%	4.6%
	11 to 15%	Count	6	7	4	9	17	7	7	8	65
		% within City Council District	2.7%	3.6%	2.2%	4.6%	7.6%	3.6%	3.7%	4.5%	4.1%
		% of Total	.4%	.4%	.3%	.6%	1.1%	.4%	.4%	.5%	4.1%
	16 to 20%	Count	28	14	25	11	26	16	7	16	143
		% within City Council District	12.8%	7.3%	13.9%	5.6%	11.6%	8.2%	3.7%	8.9%	9.1%
		% of Total	1.8%	.9%	1.6%	.7%	1.6%	1.0%	.4%	1.0%	9.1%
	21 to 25%	Count	36	47	28	24	35	27	22	17	236
		% within City Council District	16.4%	24.4%	15.6%	12.2%	15.6%	13.8%	11.6%	9.5%	15.0%
		% of Total	2.3%	3.0%	1.8%	1.5%	2.2%	1.7%	1.4%	1.1%	15.0%
	26 to 30%	Count	28	15	14	24	28	17	24	26	176
		% within City Council District	12.8%	7.8%	7.8%	12.2%	12.5%	8.7%	12.6%	14.5%	11.2%
		% of Total	1.8%	1.0%	.9%	1.5%	1.8%	1.1%	1.5%	1.6%	11.2%
	31 to 35%	Count	12	1	6	11	6	3	6	5	50
		% within City Council District	5.5%	.5%	3.3%	5.6%	2.7%	1.5%	3.2%	2.8%	3.2%
		% of Total	.8%	.1%	.4%	.7%	.4%	.2%	.4%	.3%	3.2%
	36 to 40%	Count	13	10	15	12	16	13	25	15	119
		% within City Council District	5.9%	5.2%	8.3%	6.1%	7.1%	6.7%	13.2%	8.4%	7.6%
		% of Total	.8%	.6%	1.0%	.8%	1.0%	.8%	1.6%	1.0%	7.6%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1g) How much profit is there on a \$100K home?	46 to 50%	Count	48	46	37	37	42	51	39	44	344
		% within City Council District	21.9%	23.8%	20.6%	18.9%	18.8%	26.2%	20.5%	24.6%	21.8%
		% of Total	3.0%	2.9%	2.3%	2.3%	2.7%	3.2%	2.5%	2.8%	21.8%
	51 to 60%	Count	6	10	13	14	6	8	8	5	70
		% within City Council District	2.7%	5.2%	7.2%	7.1%	2.7%	4.1%	4.2%	2.8%	4.4%
		% of Total	.4%	.6%	.8%	.9%	.4%	.5%	.5%	.3%	4.4%
	61 to 70%	Count	3	4	6	6	8	5	11	6	49
		% within City Council District	1.4%	2.1%	3.3%	3.1%	3.6%	2.6%	5.8%	3.4%	3.1%
		% of Total	.2%	.3%	.4%	.4%	.5%	.3%	.7%	.4%	3.1%
	71 to 80%	Count	11	11	14	16	11	9	13	18	103
		% within City Council District	5.0%	5.7%	7.8%	8.2%	4.9%	4.6%	6.8%	10.1%	6.5%
		% of Total	.7%	.7%	.9%	1.0%	.7%	.6%	.8%	1.1%	6.5%
	81% or more	Count	4	7	6	10	6	16	7		56
		% within City Council District	1.8%	3.6%	3.3%	5.1%	2.7%	8.2%	3.7%		3.6%
		% of Total	.3%	.4%	.4%	.6%	.4%	1.0%	.4%		3.6%
Total	Count	219	193	180	196	224	195	190	179	1576	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	11.4%	12.4%	14.2%	12.4%	12.1%	11.4%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	149.445 ^a	84	.000
Likelihood Ratio	151.629	84	.000
Linear-by-Linear Association	2.759	1	.097
N of Valid Cases	1576		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.57.

1h) What percentage of El Paso Builders are locally owned? * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1h) What percentage of El Paso Builders are locally owned?	.00	Count		2	1	1	1	1	1	9	16
		% within City Council District		1.1%	.6%	.5%	.5%	.5%	.5%	5.1%	1.1%
		% of Total		.1%	.1%	.1%	.1%	.1%	.1%	.6%	1.1%
	5% or less	Count	7	4	2	8	4	3	5	2	35
		% within City Council District	3.4%	2.2%	1.1%	4.2%	1.9%	1.6%	2.7%	1.1%	2.3%
		% of Total	.5%	.3%	.1%	.5%	.3%	.2%	.3%	.1%	2.3%
	6 to 10%	Count	8	25	20	13	15	14	12	5	112
		% within City Council District	3.9%	13.6%	11.1%	6.8%	7.0%	7.5%	6.5%	2.8%	7.4%
		% of Total	.5%	1.6%	1.3%	.9%	1.0%	.9%	.8%	.3%	7.4%
	11 to 20%	Count	16	14	12	14	19	14	14	7	110
		% within City Council District	7.8%	7.6%	6.7%	7.3%	8.8%	7.5%	7.6%	4.0%	7.2%
		% of Total	1.1%	.9%	.8%	.9%	1.2%	.9%	.9%	.5%	7.2%
	21 to 30%	Count	22	38	22	26	33	30	17	19	207
		% within City Council District	10.7%	20.7%	12.2%	13.6%	15.3%	16.1%	9.2%	10.8%	13.6%
		% of Total	1.4%	2.5%	1.4%	1.7%	2.2%	2.0%	1.1%	1.2%	13.6%
	31 to 40%	Count	14	13	8	10	13	8	15	22	103
		% within City Council District	6.8%	7.1%	4.4%	5.2%	6.0%	4.3%	8.1%	12.5%	6.8%
		% of Total	.9%	.9%	.5%	.7%	.9%	.5%	1.0%	1.4%	6.8%
	41 to 50%	Count	41	32	56	49	44	50	68	24	364
		% within City Council District	19.9%	17.4%	31.1%	25.7%	20.5%	26.9%	36.8%	13.6%	23.9%
		% of Total	2.7%	2.1%	3.7%	3.2%	2.9%	3.3%	4.5%	1.6%	23.9%
	51 to 60%	Count	24	15	16	10	19	17	5	10	116
		% within City Council District	11.7%	8.2%	8.9%	5.2%	8.8%	9.1%	2.7%	5.7%	7.6%
		% of Total	1.6%	1.0%	1.1%	.7%	1.2%	1.1%	.3%	.7%	7.6%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1h) What percentage of El Paso Builders are locally owned?	61 to 70%	Count	10	6	4	7	7	3	5	25	67
		% within City Council District	4.9%	3.3%	2.2%	3.7%	3.3%	1.6%	2.7%	14.2%	4.4%
		% of Total	.7%	.4%	.3%	.5%	.5%	.2%	.3%	1.6%	4.4%
	71 to 80%	Count	42	24	25	39	34	32	33	39	268
		% within City Council District	20.4%	13.0%	13.9%	20.4%	15.8%	17.2%	17.8%	22.2%	17.6%
		% of Total	2.8%	1.6%	1.6%	2.6%	2.2%	2.1%	2.2%	2.6%	17.6%
	81% or more	Count	22	11	14	14	26	14	10	14	125
		% within City Council District	10.7%	6.0%	7.8%	7.3%	12.1%	7.5%	5.4%	8.0%	8.2%
		% of Total	1.4%	.7%	.9%	.9%	1.7%	.9%	.7%	.9%	8.2%
Total	Count	206	184	180	191	215	186	185	176	1523	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.5%	12.1%	11.8%	12.5%	14.1%	12.2%	12.1%	11.6%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	198.977 ^a	70	.000
Likelihood Ratio	175.103	70	.000
Linear-by-Linear Association	1.080	1	.299
N of Valid Cases	1523		

a. 16 cells (18.2%) have expected count less than 5. The minimum expected count is 1.85.

1i) I would prefer to purchase a home from a locally owned builder. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1i) I would prefer to purchase a home from a locally owned builder.	Disagree	Count	32	24	42	26	25	18	14	10	191
		% within City Council District	13.5%	11.8%	20.6%	12.4%	10.9%	8.8%	6.9%	5.0%	11.3%
		% of Total	1.9%	1.4%	2.5%	1.5%	1.5%	1.1%	.8%	.6%	11.3%
	Agree	Count	175	163	129	158	183	164	166	171	1309
		% within City Council District	73.8%	80.3%	63.2%	75.2%	79.6%	80.0%	81.8%	85.5%	77.4%
		% of Total	10.3%	9.6%	7.6%	9.3%	10.8%	9.7%	9.8%	10.1%	77.4%
	Don't know	Count	30	16	33	26	22	23	23	19	192
		% within City Council District	12.7%	7.9%	16.2%	12.4%	9.6%	11.2%	11.3%	9.5%	11.3%
		% of Total	1.8%	.9%	2.0%	1.5%	1.3%	1.4%	1.4%	1.1%	11.3%
Total		Count	237	203	204	210	230	205	203	200	1692
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.0%	12.1%	12.4%	13.6%	12.1%	12.0%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	45.272 ^a	14	.000
Likelihood Ratio	44.739	14	.000
Linear-by-Linear Association	5.010	1	.025
N of Valid Cases	1692		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 22.58.

1j) I see a difference between El Paso builders and El Paso developers. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
1j) I see a difference between El Paso builders and El Paso developers.	Disagree	Count	59	67	60	56	58	64	63	44	471
		% within City Council District	24.9%	32.4%	29.4%	26.9%	25.2%	31.2%	31.0%	21.9%	27.8%
		% of Total	3.5%	4.0%	3.5%	3.3%	3.4%	3.8%	3.7%	2.6%	27.8%
	Agree	Count	118	82	78	99	124	92	95	113	801
		% within City Council District	49.8%	39.6%	38.2%	47.6%	53.9%	44.9%	46.8%	56.2%	47.3%
		% of Total	7.0%	4.8%	4.6%	5.8%	7.3%	5.4%	5.6%	6.7%	47.3%
	Don't know	Count	60	58	66	53	48	49	45	44	423
		% within City Council District	25.3%	28.0%	32.4%	25.5%	20.9%	23.9%	22.2%	21.9%	25.0%
		% of Total	3.5%	3.4%	3.9%	3.1%	2.8%	2.9%	2.7%	2.6%	25.0%
Total	Count	237	207	204	208	230	205	203	201	1695	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	14.0%	12.2%	12.0%	12.3%	13.6%	12.1%	12.0%	11.9%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	27.759 ^a	14	.015
Likelihood Ratio	27.697	14	.016
Linear-by-Linear Association	.882	1	.348
N of Valid Cases	1695		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 50.16.

2a) New home construction in El Paso increases the tax base that funds city services. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2a) New home construction in El Paso increases the tax base that funds city services.	Disagree	Count	28	24	22	22	22	21	16	36	191
		% within City Council District	11.9%	11.7%	10.8%	10.5%	9.6%	10.2%	7.9%	17.9%	11.3%
		% of Total	1.7%	1.4%	1.3%	1.3%	1.3%	1.2%	.9%	2.1%	11.3%
	Agree	Count	188	158	148	159	187	158	168	142	1308
		% within City Council District	80.0%	76.7%	72.5%	76.1%	81.3%	77.1%	82.8%	70.6%	77.3%
		% of Total	11.1%	9.3%	8.7%	9.4%	11.0%	9.3%	9.9%	8.4%	77.3%
	Don't know	Count	19	24	34	28	21	26	19	23	194
		% within City Council District	8.1%	11.7%	16.7%	13.4%	9.1%	12.7%	9.4%	11.4%	11.5%
		% of Total	1.1%	1.4%	2.0%	1.7%	1.2%	1.5%	1.1%	1.4%	11.5%
Total		Count	235	206	204	209	230	205	203	201	1693
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.0%	12.3%	13.6%	12.1%	12.0%	11.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	24.236 ^a	14	.043
Likelihood Ratio	23.104	14	.059
Linear-by-Linear Association	.203	1	.652
N of Valid Cases	1693		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 22.68.

2b) Construction jobs are some of the better paying jobs in El Paso. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2b) Construction jobs are some of the better paying jobs in El Paso.	Disagree	Count	112	96	93	103	121	110	112	101	848
		% within City Council District	47.5%	46.4%	45.4%	48.8%	52.2%	53.7%	55.2%	50.2%	49.9%
		% of Total	6.6%	5.6%	5.5%	6.1%	7.1%	6.5%	6.6%	5.9%	49.9%
	Agree	Count	82	78	74	76	85	77	65	68	605
		% within City Council District	34.7%	37.7%	36.1%	36.0%	36.6%	37.6%	32.0%	33.8%	35.6%
		% of Total	4.8%	4.6%	4.4%	4.5%	5.0%	4.5%	3.8%	4.0%	35.6%
	Don't know	Count	42	33	38	32	26	18	26	32	247
		% within City Council District	17.8%	15.9%	18.5%	15.2%	11.2%	8.8%	12.8%	15.9%	14.5%
		% of Total	2.5%	1.9%	2.2%	1.9%	1.5%	1.1%	1.5%	1.9%	14.5%
Total		Count	236	207	205	211	232	205	203	201	1700
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	16.620 ^a	14	.277
Likelihood Ratio	17.254	14	.243
Linear-by-Linear Association	5.836	1	.016
N of Valid Cases	1700		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 29.20.

2c) Construction labor accounts for more than one-half of the price of a new home. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2c) Construction labor accounts for more than one-half of the price of a new home.	Disagree	Count	88	75	73	75	91	90	74	73	639
		% within City Council District	37.3%	36.2%	35.6%	35.7%	39.2%	44.1%	36.5%	36.3%	37.6%
		% of Total	5.2%	4.4%	4.3%	4.4%	5.4%	5.3%	4.4%	4.3%	37.6%
	Agree	Count	101	97	89	95	107	89	100	99	777
		% within City Council District	42.8%	46.9%	43.4%	45.2%	46.1%	43.6%	49.3%	49.3%	45.8%
		% of Total	5.9%	5.7%	5.2%	5.6%	6.3%	5.2%	5.9%	5.8%	45.8%
	Don't know	Count	47	35	43	40	34	25	29	29	282
		% within City Council District	19.9%	16.9%	21.0%	19.0%	14.7%	12.3%	14.3%	14.4%	16.6%
		% of Total	2.8%	2.1%	2.5%	2.4%	2.0%	1.5%	1.7%	1.7%	16.6%
Total	Count	236	207	205	210	232	204	203	201	1698	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.7%	12.0%	12.0%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	13.970 ^a	14	.452
Likelihood Ratio	13.855	14	.461
Linear-by-Linear Association	2.834	1	.092
N of Valid Cases	1698		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 33.38.

2d) New home construction in El Paso keeps service providers (landscapers, furniture, retailers) employed. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2d) New home construction in El Paso keeps service providers (landscapers, furniture, retailers) employed.	Disagree	Count	35	20	27	30	33	31	28	27	231
		% within City Council District	15.0%	9.8%	13.2%	14.5%	14.4%	15.1%	13.8%	13.5%	13.7%
		% of Total	2.1%	1.2%	1.6%	1.8%	2.0%	1.8%	1.7%	1.6%	13.7%
	Agree	Count	184	179	151	160	187	164	163	161	1349
		% within City Council District	78.6%	87.3%	74.0%	77.3%	81.7%	80.0%	80.3%	80.5%	80.0%
		% of Total	10.9%	10.6%	9.0%	9.5%	11.1%	9.7%	9.7%	9.5%	80.0%
	Don't know	Count	15	6	26	17	9	10	12	12	107
		% within City Council District	6.4%	2.9%	12.7%	8.2%	3.9%	4.9%	5.9%	6.0%	6.3%
		% of Total	.9%	.4%	1.5%	1.0%	.5%	.6%	.7%	.7%	6.3%
Total		Count	234	205	204	207	229	205	203	200	1687
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.3%	13.6%	12.2%	12.0%	11.9%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26.726 ^a	14	.021
Likelihood Ratio	25.183	14	.033
Linear-by-Linear Association	.561	1	.454
N of Valid Cases	1687		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 12.69.

2e) Most of the money you pay for a home stays in El Paso. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2e) Most of the money you pay for a home stays in El Paso.	Disagree	Count	95	102	70	79	98	73	91	70	678
		% within City Council District	40.3%	49.3%	34.3%	37.6%	42.2%	35.6%	45.0%	34.8%	40.0%
		% of Total	5.6%	6.0%	4.1%	4.7%	5.8%	4.3%	5.4%	4.1%	40.0%
	Agree	Count	94	74	71	81	98	99	73	86	676
		% within City Council District	39.8%	35.7%	34.8%	38.6%	42.2%	48.3%	36.1%	42.8%	39.8%
		% of Total	5.5%	4.4%	4.2%	4.8%	5.8%	5.8%	4.3%	5.1%	39.8%
	Don't know	Count	47	31	63	50	36	33	38	45	343
		% within City Council District	19.9%	15.0%	30.9%	23.8%	15.5%	16.1%	18.8%	22.4%	20.2%
		% of Total	2.8%	1.8%	3.7%	2.9%	2.1%	1.9%	2.2%	2.7%	20.2%
Total	Count	236	207	204	210	232	205	202	201	1697	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.0%	12.4%	13.7%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	38.293 ^a	14	.000
Likelihood Ratio	36.899	14	.001
Linear-by-Linear Association	.248	1	.618
N of Valid Cases	1697		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 40.63.

2f) El Paso builders pay the cost of new neighborhood streets and utilities. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2f) El Paso builders pay the cost of new neighborhood streets and utilities.	Disagree	Count	106	122	104	107	111	97	101	74	822
		% within City Council District	44.9%	58.9%	50.7%	51.0%	48.1%	47.3%	49.8%	36.8%	48.4%
		% of Total	6.2%	7.2%	6.1%	6.3%	6.5%	5.7%	5.9%	4.4%	48.4%
	Agree	Count	79	65	54	67	71	64	75	72	547
		% within City Council District	33.5%	31.4%	26.3%	31.9%	30.7%	31.2%	36.9%	35.8%	32.2%
		% of Total	4.7%	3.8%	3.2%	3.9%	4.2%	3.8%	4.4%	4.2%	32.2%
	Don't know	Count	51	20	47	36	49	44	27	55	329
		% within City Council District	21.6%	9.7%	22.9%	17.1%	21.2%	21.5%	13.3%	27.4%	19.4%
		% of Total	3.0%	1.2%	2.8%	2.1%	2.9%	2.6%	1.6%	3.2%	19.4%
Total	Count	236	207	205	210	231	205	203	201	1698	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	12.0%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	40.271 ^a	14	.000
Likelihood Ratio	42.453	14	.000
Linear-by-Linear Association	5.512	1	.019
N of Valid Cases	1698		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 38.95.

2g) El Paso builders live here and spend their incomes here. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2g) El Paso builders live here and spend their incomes here.	Disagree	Count	57	78	78	70	80	60	81	71	575
		% within City Council District	24.2%	37.7%	38.2%	33.3%	34.5%	29.7%	39.9%	35.7%	34.0%
		% of Total	3.4%	4.6%	4.6%	4.1%	4.7%	3.5%	4.8%	4.2%	34.0%
	Agree	Count	130	100	80	92	111	100	87	93	793
		% within City Council District	55.1%	48.3%	39.2%	43.8%	47.8%	49.5%	42.9%	46.7%	46.8%
		% of Total	7.7%	5.9%	4.7%	5.4%	6.6%	5.9%	5.1%	5.5%	46.8%
	Don't know	Count	49	29	46	48	41	42	35	35	325
		% within City Council District	20.8%	14.0%	22.5%	22.9%	17.7%	20.8%	17.2%	17.6%	19.2%
		% of Total	2.9%	1.7%	2.7%	2.8%	2.4%	2.5%	2.1%	2.1%	19.2%
Total		Count	236	207	204	210	232	202	203	199	1693
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.0%	12.4%	13.7%	11.9%	12.0%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	26.621 ^a	14	.022
Likelihood Ratio	27.395	14	.017
Linear-by-Linear Association	2.089	1	.148
N of Valid Cases	1693		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 38.20.

2h) Amount of material in \$100K Home? * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
2h) Amount of material in \$100K Home?	\$20,000 or less	Count	35	29	25	27	26	21	22	20	205
		% within City Council District	19.3%	18.7%	15.7%	16.4%	13.8%	14.7%	15.1%	12.8%	15.9%
		% of Total	2.7%	2.2%	1.9%	2.1%	2.0%	1.6%	1.7%	1.5%	15.9%
	\$20,001 to \$30,000	Count	35	38	36	26	34	28	30	8	235
		% within City Council District	19.3%	24.5%	22.6%	15.8%	18.1%	19.6%	20.5%	5.1%	18.2%
		% of Total	2.7%	2.9%	2.8%	2.0%	2.6%	2.2%	2.3%	.6%	18.2%
	\$30,001 to \$40,000	Count	6	4	11	18	14	5	19	32	109
		% within City Council District	3.3%	2.6%	6.9%	10.9%	7.4%	3.5%	13.0%	20.5%	8.4%
		% of Total	.5%	.3%	.9%	1.4%	1.1%	.4%	1.5%	2.5%	8.4%
	\$40,001 to \$50,000	Count	51	54	49	51	61	47	39	46	398
		% within City Council District	28.2%	34.8%	30.8%	30.9%	32.4%	32.9%	26.7%	29.5%	30.8%
		% of Total	3.9%	4.2%	3.8%	3.9%	4.7%	3.6%	3.0%	3.6%	30.8%
	\$50,001 to \$60,000	Count	13	5	11	7	7	6	10	28	87
		% within City Council District	7.2%	3.2%	6.9%	4.2%	3.7%	4.2%	6.8%	17.9%	6.7%
		% of Total	1.0%	.4%	.9%	.5%	.5%	.5%	.8%	2.2%	6.7%
	\$60,001 to \$70,000	Count	9	6	11	9	12	5	7	2	61
		% within City Council District	5.0%	3.9%	6.9%	5.5%	6.4%	3.5%	4.8%	1.3%	4.7%
		% of Total	.7%	.5%	.9%	.7%	.9%	.4%	.5%	.2%	4.7%
	More than \$80,000	Count	32	19	16	27	34	31	19	20	198
		% within City Council District	17.7%	12.3%	10.1%	16.4%	18.1%	21.7%	13.0%	12.8%	15.3%
		% of Total	2.5%	1.5%	1.2%	2.1%	2.6%	2.4%	1.5%	1.5%	15.3%
Total	Count	181	155	159	165	188	143	146	156	1293	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	14.0%	12.0%	12.3%	12.8%	14.5%	11.1%	11.3%	12.1%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	131.333 ^a	42	.000
Likelihood Ratio	127.250	42	.000
Linear-by-Linear Association	2.240	1	.134
N of Valid Cases	1293		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6.75.

3a) Have you heard of Impact Fees? * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a) Have you heard of Impact Fees?	Yes	Count	32	15	5	22	26	21	16	10	147
		% within City Council District	13.5%	7.2%	2.4%	10.4%	11.2%	10.2%	7.9%	5.0%	8.6%
		% of Total	1.9%	.9%	.3%	1.3%	1.5%	1.2%	.9%	.6%	8.6%
	No	Count	205	192	200	189	206	184	187	191	1554
		% within City Council District	86.5%	92.8%	97.6%	89.6%	88.8%	89.8%	92.1%	95.0%	91.4%
		% of Total	12.1%	11.3%	11.8%	11.1%	12.1%	10.8%	11.0%	11.2%	91.4%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	24.614 ^a	7	.001
Likelihood Ratio	27.668	7	.000
Linear-by-Linear Association	2.005	1	.157
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 17.37.

3a.1) If "Yes", can you describe what they are? * City Council District

Crosstab

		City Council District								Total
		Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Count	208	195	200	192	210	187	193	191	1576
	% within City Council District	87.8%	94.2%	97.6%	91.0%	90.5%	91.2%	95.1%	95.0%	92.7%
	% of Total	12.2%	11.5%	11.8%	11.3%	12.3%	11.0%	11.3%	11.2%	92.7%
	A sort of tax	Count			1					1
	% within City Council District				.5%					.1%
	% of Total				.1%					.1%
	About the impact on the environment	Count					1			1
	% within City Council District						.5%			.1%
	% of Total						.1%			.1%
	Added costs for building	Count			1					1
	% within City Council District				.5%					.1%
	% of Total				.1%					.1%
	Added on for cost of the home	Count		1						1
	% within City Council District			.5%						.1%
	% of Total			.1%						.1%
	Additional money that the government wants to get ,	Count						1		1
	% within City Council District							.5%		.1%
	% of Total							.1%		.1%
	Are fees when gasoline price are raised	Count					1			1
	% within City Council District						.5%			.1%
	% of Total						.1%			.1%
	Are moneys over and above what the developer will pay and get the utilities and sell it to an owner	Count	1							1
	% within City Council District	.4%								.1%
	% of Total	.1%								.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Based on local organizations, because they don't fall into the federal tax funds. Schools are an example	Count			1						1
		% within City Council District			.5%						.1%
		% of Total			.1%						.1%
	Big increases in the cost of buying a new home	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Builder pays for building	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Builder to pick up costs of water, streets	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Builders pay and pass it on if it impacts the environment	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Builders pay the fee	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Building a new home needs to pay amount to contribute toward utilities, streets	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Charge the builder for lot before they build	Count				1					1
		% within City Council District				.5%					.1%
		% of Total				.1%					.1%
	Charged to home owners	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Charges for parks, utilities	Count % within City Council District % of Total					1 .4% .1%				1 .1% .1%
	Charges for services	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%
	City charges you when city said its going to impact city	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	Companies coming in pay less taxes	Count % within City Council District % of Total		1 .5% .1%							1 .1% .1%
	Cost added to build houses	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	Cost of adding an extra to your house	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%
	Cost of restoring water resources, new connections	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	Developers pay fees	Count % within City Council District % of Total		1 .5% .1%							1 .1% .1%
	Don't know	Count % within City Council District % of Total	1 .4% .1%			2 .9% .1%	2 .9% .1%	6 2.9% .4%	2 1.0% .1%		13 .8% .8%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Environmental fees	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fee from building of facility	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Fee imposed by government entity for developers	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Fee paid by building homes to provide for water services	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Fee that a builder or developer would pay for services	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fee that is charged by the city to the builder and is trickled down to buyer	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fee that is expressed onto an area for development	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fee that the builder passes on to the home owner	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fee that's charged to builders for construction of houses and roads.	Count						2			2
		% within City Council District						1.0%			.1%
		% of Total						.1%			.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Fee to account for impact for city services	Count		1							1
		% within City Council District		.5%							.1%
		% of Total		.1%							.1%
	Fee to builder for affecting environment	Count			1						1
		% within City Council District			.5%						.1%
		% of Total			.1%						.1%
	Fee you pay when you build	Count		2							2
		% within City Council District		1.0%							.1%
		% of Total		.1%							.1%
	Fees added for utilities, streets, parks	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fees builders must pay in form of tax	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fees charged for services city has to put in: water, sewer, lights, police, electric, gas	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Fees for the streets sidewalks and parks etc.	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Fees levied on a builder/developer on their proposed site of development	Count							2		2
		% within City Council District							1.0%		.1%
		% of Total							.1%		.1%
	Fees pay for what is going to be for the property	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Fees people pay because what they build affects the community	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	Fees that are generated to the municipal court due to the cost anticipated by the court.	Count % within City Council District % of Total					1 .4% .1%				1 .1% .1%
	Fees that charge new build homes	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	Fees that city charges for environmental expenses	Count % within City Council District % of Total					1 .4% .1%				1 .1% .1%
	Fees that developers use to develop new areas	Count % within City Council District % of Total								1 .5% .1%	1 .1% .1%
	Fees that psb want to impose on home builders	Count % within City Council District % of Total					1 .4% .1%				1 .1% .1%
	Fees they have to pay such as parks, streets, drainage	Count % within City Council District % of Total		1 .5% .1%							1 .1% .1%
	Fees to set the cost of the infrastructure for a development	Count % within City Council District % of Total		2 1.0% .1%							2 .1% .1%
	Fees we are charged when we aren't advised about them	Count % within City Council District % of Total				2 .9% .1%					2 .1% .1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Go towards the house	Count								4	4
		% within City Council District								2.0%	.2%
		% of Total								.2%	.2%
	Has to do with taxes and what land is worth	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Has to do with the damage that construction does in area	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Have to do what the builder is suppose to pay that city requires and past to home owner	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Homebuyers should pay for them	Count				1					1
		% within City Council District				.5%					.1%
		% of Total				.1%					.1%
	Homeowner paying certain amount for water lines	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	How is neighborhood going to be effected when they develop it	Count				2					2
		% within City Council District				.9%					.1%
		% of Total				.1%					.1%
	How much is being spent or purchased	Count		1							1
		% within City Council District		.5%							.1%
		% of Total		.1%							.1%
	Impact builders have on the city itself	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Less drainage with fee	Count								5	5
		% within City Council District								2.5%	.3%
		% of Total								.3%	.3%
	Money builder pays city, county because of roads they have to put in	Count		1							1
		% within City Council District		.5%							.1%
		% of Total		.1%							.1%
	Money to build new water lines	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Parks, sidewalks	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Putting in the necessary infrastructure such as sewer lines etc.	Count						1			1
		% within City Council District						.5%			.1%
		% of Total						.1%			.1%
	Relacion a la construccion	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	Set amount of money added to pay for utilities	Count				1					1
		% within City Council District				.5%					.1%
		% of Total				.1%					.1%
	Start the formation of the grounding	Count				1					1
		% within City Council District				.5%					.1%
		% of Total				.1%					.1%
	Supposes different conditions define impact fees differently. Cancer treatment centers. What to do with houses of	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	Taxes	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	Taxes on builders	Count		1							1
		% within City Council District		.5%							.1%
		% of Total		.1%							.1%
	Taxes on builders to design to "recoup" the cost on builders and water	Count		1							1
		% within City Council District		.5%							.1%
		% of Total		.1%							.1%
	The amount of cost that are being introduced in a growing community	Count						2			2
		% within City Council District						1.0%			.1%
		% of Total						.1%			.1%
	The cost of providing services to new developments	Count			1						1
		% within City Council District			.5%						.1%
		% of Total			.1%						.1%
	The cost of the construction for the curbage and development	Count							2		2
		% within City Council District							1.0%		.1%
		% of Total							.1%		.1%
	The cost of utilities and infrastructure that is passed on to the home buyers	Count	1								1
		% within City Council District	.4%								.1%
		% of Total	.1%								.1%
	The fee that they collect for new water hookups	Count					1				1
		% within City Council District					.4%				.1%
		% of Total					.1%				.1%
	The fees on new home development to pay the utilities.	Count						1			1
		% within City Council District						.5%			.1%
		% of Total						.1%			.1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	The fees that are charged by the county	Count % within City Council District % of Total					1 .4% .1%				1 .1% .1%
	The fees that are charged during a construction of a house, hidden fees	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%
	The fees that are impacted on the environment and the land.	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	The fees that are taken to account so that the city could let the builders pave their own way.	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	The fees that they charge for the utilities installments and for the land.	Count % within City Council District % of Total					1 .4% .1%				1 .1% .1%
	The fees you have to pay in order.	Count % within City Council District % of Total			1 .5% .1%						1 .1% .1%
	There a fee that you pay for the machine	Count % within City Council District % of Total						1 .5% .1%			1 .1% .1%
	There are in regards in utility hook up	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%
	They charge to connect water	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.1) If "Yes", can you describe what they are?	They connect the water utilities and services and put the cost on the new home buyer	Count % within City Council District % of Total						1 .5% .1%			1 .1% .1%
	Water	Count % within City Council District % of Total	1 .4% .1%					1 .5% .1%			2 .1% .1%
	Water utilities	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%
	When a builder or contractor goes before city must pay fees related to sustain like street marks.	Count % within City Council District % of Total							2 1.0% .1%		2 .1% .1%
	When they build a new house the money they pay for the utilities	Count % within City Council District % of Total							1 .5% .1%		1 .1% .1%
	When you buy a new home and you pay a certain amount for utilities.	Count % within City Council District % of Total				1 .5% .1%					1 .1% .1%
	Where builders have to pay for utilities and everything	Count % within City Council District % of Total	1 .4% .1%								1 .1% .1%
	Where you have to provide the utilities and building	Count % within City Council District % of Total						1 .5% .1%			1 .1% .1%
	Total	Count % within City Council District % of Total	237 100.0% 13.9%	207 100.0% 12.2%	205 100.0% 12.1%	211 100.0% 12.4%	232 100.0% 13.6%	205 100.0% 12.1%	203 100.0% 11.9%	201 100.0% 11.8%	1701 100.0% 100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	775.754 ^a	672	.003
Likelihood Ratio	476.424	672	1.000
N of Valid Cases	1701		

a. 768 cells (99.0%) have expected count less than 5. The minimum expected count is .12.

3a.2) Describes impact fees correctly or closely * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3a.2) Describes impact fees correctly or closely	Correct or Close	Count	23	10	3	10	14	8	7		75
		% within City Council District	9.7%	4.8%	1.5%	4.7%	6.0%	3.9%	3.4%		4.4%
		% of Total	1.4%	.6%	.2%	.6%	.8%	.5%	.4%		4.4%
	Not Correct or No Answer	Count	214	197	202	201	218	197	196	201	1626
		% within City Council District	90.3%	95.2%	98.5%	95.3%	94.0%	96.1%	96.6%	100.0%	95.6%
		% of Total	12.6%	11.6%	11.9%	11.8%	12.8%	11.6%	11.5%	11.8%	95.6%
	Total	Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	31.426 ^a	7	.000
Likelihood Ratio	37.727	7	.000
Linear-by-Linear Association	14.103	1	.000
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 8.86.

3c) If enacted, homebuyers would pay for impact fees because they would be included in a home's purchase price. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3c) If enacted, homebuyers would pay for impact fees because they would be included in a home's purchase price.	Disagree	Count	2	1	1	3	2	1			10
		% within City Council District	7.7%	8.3%	25.0%	16.7%	10.5%	8.3%			9.1%
		% of Total	1.8%	.9%	.9%	2.7%	1.8%	.9%			9.1%
	Agree	Count	23	10	2	15	15	10	12	5	92
		% within City Council District	88.5%	83.3%	50.0%	83.3%	78.9%	83.3%	85.7%	100.0%	83.6%
		% of Total	20.9%	9.1%	1.8%	13.6%	13.6%	9.1%	10.9%	4.5%	83.6%
	Don't know	Count	1	1	1		2	1	2		8
		% within City Council District	3.8%	8.3%	25.0%		10.5%	8.3%	14.3%		7.3%
		% of Total	.9%	.9%	.9%		1.8%	.9%	1.8%		7.3%
Total		Count	26	12	4	18	19	12	14	5	110
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	23.6%	10.9%	3.6%	16.4%	17.3%	10.9%	12.7%	4.5%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	10.004 ^a	14	.762
Likelihood Ratio	12.063	14	.601
Linear-by-Linear Association	.876	1	.349
N of Valid Cases	110		

a. 18 cells (75.0%) have expected count less than 5. The minimum expected count is .29.

3d) If enacted, impact fees would be a hidden homebuyers tax. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
3d) If enacted, impact fees would be a hidden homebuyers tax.	Disagree	Count	5	5	2	3	5	5	8		33
		% within City Council District	19.2%	41.7%	50.0%	16.7%	26.3%	41.7%	57.1%		30.0%
		% of Total	4.5%	4.5%	1.8%	2.7%	4.5%	4.5%	7.3%		30.0%
	Agree	Count	18	7	2	14	11	6	4		62
		% within City Council District	69.2%	58.3%	50.0%	77.8%	57.9%	50.0%	28.6%		56.4%
		% of Total	16.4%	6.4%	1.8%	12.7%	10.0%	5.5%	3.6%		56.4%
	Don't know	Count	3			1	3	1	2	5	15
		% within City Council District	11.5%			5.6%	15.8%	8.3%	14.3%	100.0%	13.6%
		% of Total	2.7%			.9%	2.7%	.9%	1.8%	4.5%	13.6%
Total		Count	26	12	4	18	19	12	14	5	110
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	23.6%	10.9%	3.6%	16.4%	17.3%	10.9%	12.7%	4.5%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	46.607 ^a	14	.000
Likelihood Ratio	36.984	14	.001
Linear-by-Linear Association	.419	1	.518
N of Valid Cases	110		

a. 15 cells (62.5%) have expected count less than 5. The minimum expected count is .55.

4a) El Paso is a fast growing city. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4a) El Paso is a fast growing city.	Disagree	Count	60	31	41	48	35	30	23	26	294
		% within City Council District	25.3%	15.0%	20.0%	22.7%	15.1%	14.6%	11.3%	12.9%	17.3%
		% of Total	3.5%	1.8%	2.4%	2.8%	2.1%	1.8%	1.4%	1.5%	17.3%
	Agree	Count	172	169	161	159	192	169	178	175	1375
		% within City Council District	72.6%	81.6%	78.5%	75.4%	82.8%	82.4%	87.7%	87.1%	80.8%
		% of Total	10.1%	9.9%	9.5%	9.3%	11.3%	9.9%	10.5%	10.3%	80.8%
	Don't know	Count	5	7	3	4	5	6	2		32
		% within City Council District	2.1%	3.4%	1.5%	1.9%	2.2%	2.9%	1.0%		1.9%
		% of Total	.3%	.4%	.2%	.2%	.3%	.4%	.1%		1.9%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	35.765 ^a	14	.001
Likelihood Ratio	38.525	14	.000
Linear-by-Linear Association	9.205	1	.002
N of Valid Cases	1701		

a. 8 cells (33.3%) have expected count less than 5. The minimum expected count is 3.78.

4b) Growth is good for El Paso. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4b) Growth is good for El Paso.	Disagree	Count	58	44	37	36	49	30	34	44	332
		% within City Council District	24.5%	21.3%	18.0%	17.1%	21.1%	14.6%	16.7%	21.9%	19.5%
		% of Total	3.4%	2.6%	2.2%	2.1%	2.9%	1.8%	2.0%	2.6%	19.5%
	Agree	Count	165	151	156	169	170	164	162	152	1289
		% within City Council District	69.6%	72.9%	76.1%	80.1%	73.3%	80.0%	79.8%	75.6%	75.8%
		% of Total	9.7%	8.9%	9.2%	9.9%	10.0%	9.6%	9.5%	8.9%	75.8%
	Don't know	Count	14	12	12	6	13	11	7	5	80
		% within City Council District	5.9%	5.8%	5.9%	2.8%	5.6%	5.4%	3.4%	2.5%	4.7%
		% of Total	.8%	.7%	.7%	.4%	.8%	.6%	.4%	.3%	4.7%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	18.157 ^a	14	.200
Likelihood Ratio	18.824	14	.172
Linear-by-Linear Association	.154	1	.695
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 9.45.

4c) Continued growth will improve El Paso's quality of life. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4c) Continued growth will improve El Paso's quality of life.	Disagree	Count	91	70	69	69	84	63	54	61	561
		% within City Council District	38.4%	33.8%	33.7%	32.7%	36.2%	30.7%	26.6%	30.3%	33.0%
		% of Total	5.3%	4.1%	4.1%	4.1%	4.9%	3.7%	3.2%	3.6%	33.0%
	Agree	Count	127	121	117	128	139	131	135	107	1005
		% within City Council District	53.6%	58.5%	57.1%	60.7%	59.9%	63.9%	66.5%	53.2%	59.1%
		% of Total	7.5%	7.1%	6.9%	7.5%	8.2%	7.7%	7.9%	6.3%	59.1%
	Don't know	Count	19	16	19	14	9	11	14	33	135
		% within City Council District	8.0%	7.7%	9.3%	6.6%	3.9%	5.4%	6.9%	16.4%	7.9%
		% of Total	1.1%	.9%	1.1%	.8%	.5%	.6%	.8%	1.9%	7.9%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	37.438 ^a	14	.001
Likelihood Ratio	34.520	14	.002
Linear-by-Linear Association	6.735	1	.009
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 15.95.

4d) El Paso's growth is well planned. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4d) El Paso's growth is well planned.	Disagree	Count	164	121	130	148	165	109	136	136	1109
		% within City Council District	69.2%	58.5%	63.4%	70.1%	71.1%	53.2%	67.0%	67.7%	65.2%
		% of Total	9.6%	7.1%	7.6%	8.7%	9.7%	6.4%	8.0%	8.0%	65.2%
	Agree	Count	58	67	49	45	46	70	48	51	434
		% within City Council District	24.5%	32.4%	23.9%	21.3%	19.8%	34.1%	23.6%	25.4%	25.5%
		% of Total	3.4%	3.9%	2.9%	2.6%	2.7%	4.1%	2.8%	3.0%	25.5%
	Don't know	Count	15	19	26	18	21	26	19	14	158
		% within City Council District	6.3%	9.2%	12.7%	8.5%	9.1%	12.7%	9.4%	7.0%	9.3%
		% of Total	.9%	1.1%	1.5%	1.1%	1.2%	1.5%	1.1%	.8%	9.3%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	32.414 ^a	14	.003
Likelihood Ratio	32.045	14	.004
Linear-by-Linear Association	.033	1	.855
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 18.67.

4e) El Paso's city services (schools, police, fire department, utilities) have kept up with growth. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4e) El Paso's city services (schools, police, fire department, utilities) have kept up with growth.	Disagree	Count	141	103	104	111	126	88	94	99	866
		% within City Council District	59.5%	49.8%	50.7%	52.6%	54.3%	42.9%	46.3%	49.3%	50.9%
		% of Total	8.3%	6.1%	6.1%	6.5%	7.4%	5.2%	5.5%	5.8%	50.9%
	Agree	Count	88	96	90	95	95	101	101	92	758
		% within City Council District	37.1%	46.4%	43.9%	45.0%	40.9%	49.3%	49.8%	45.8%	44.6%
		% of Total	5.2%	5.6%	5.3%	5.6%	5.6%	5.9%	5.9%	5.4%	44.6%
	Don't know	Count	8	8	11	5	11	16	8	10	77
		% within City Council District	3.4%	3.9%	5.4%	2.4%	4.7%	7.8%	3.9%	5.0%	4.5%
		% of Total	.5%	.5%	.6%	.3%	.6%	.9%	.5%	.6%	4.5%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	22.279 ^a	14	.073
Likelihood Ratio	22.029	14	.078
Linear-by-Linear Association	6.947	1	.008
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 9.10.

4f) Growth contributes to environmental problems. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4f) Growth contributes to environmental problems.	Disagree	Count	31	27	29	33	36	31	25	17	229
		% within City Council District	13.1%	13.0%	14.1%	15.6%	15.5%	15.1%	12.3%	8.5%	13.5%
		% of Total	1.8%	1.6%	1.7%	1.9%	2.1%	1.8%	1.5%	1.0%	13.5%
	Agree	Count	196	172	159	173	191	160	172	176	1399
		% within City Council District	82.7%	83.1%	77.6%	82.0%	82.3%	78.0%	84.7%	87.6%	82.2%
		% of Total	11.5%	10.1%	9.3%	10.2%	11.2%	9.4%	10.1%	10.3%	82.2%
	Don't know	Count	10	8	17	5	5	14	6	8	73
		% within City Council District	4.2%	3.9%	8.3%	2.4%	2.2%	6.8%	3.0%	4.0%	4.3%
		% of Total	.6%	.5%	1.0%	.3%	.3%	.8%	.4%	.5%	4.3%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	23.794 ^a	14	.049
Likelihood Ratio	23.183	14	.057
Linear-by-Linear Association	.305	1	.581
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 8.63.

4g) Revitalizing downtown El Paso is important to my family. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
4g) Revitalizing downtown El Paso is important to my family.	Disagree	Count	79	60	78	91	90	60	75	59	592
		% within City Council District	33.3%	29.0%	38.0%	43.1%	38.8%	29.3%	36.9%	29.4%	34.8%
		% of Total	4.6%	3.5%	4.6%	5.3%	5.3%	3.5%	4.4%	3.5%	34.8%
	Agree	Count	148	134	118	115	132	140	116	135	1038
		% within City Council District	62.4%	64.7%	57.6%	54.5%	56.9%	68.3%	57.1%	67.2%	61.0%
		% of Total	8.7%	7.9%	6.9%	6.8%	7.8%	8.2%	6.8%	7.9%	61.0%
	Don't know	Count	10	13	9	5	10	5	12	7	71
		% within City Council District	4.2%	6.3%	4.4%	2.4%	4.3%	2.4%	5.9%	3.5%	4.2%
		% of Total	.6%	.8%	.5%	.3%	.6%	.3%	.7%	.4%	4.2%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	25.472 ^a	14	.030
Likelihood Ratio	25.525	14	.030
Linear-by-Linear Association	.010	1	.922
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 8.39.

5a) Have you heard of the Public Service Board or PSB? * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5a) Have you heard of the Public Service Board or PSB?	Yes	Count	139	101	101	114	138	91	89	117	890
		% within City Council District	58.6%	48.8%	49.3%	54.0%	59.5%	44.4%	43.8%	58.2%	52.3%
		% of Total	8.2%	5.9%	5.9%	6.7%	8.1%	5.3%	5.2%	6.9%	52.3%
	No	Count	98	106	104	97	94	114	114	84	811
		% within City Council District	41.4%	51.2%	50.7%	46.0%	40.5%	55.6%	56.2%	41.8%	47.7%
		% of Total	5.8%	6.2%	6.1%	5.7%	5.5%	6.7%	6.7%	4.9%	47.7%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	24.433 ^a	7	.001
Likelihood Ratio	24.505	7	.001
Linear-by-Linear Association	.880	1	.348
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 95.83.

5a.1) Identifies PSB correctly * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5a.1) Identifies PSB correctly	Know	Count	60	33	28	41	47	27	30	32	298
		% within City Council District	25.3%	15.9%	13.7%	19.4%	20.3%	13.2%	14.8%	15.9%	17.5%
		% of Total	3.5%	1.9%	1.6%	2.4%	2.8%	1.6%	1.8%	1.9%	17.5%
	Don't Know	Count	177	174	177	170	185	178	173	169	1403
		% within City Council District	74.7%	84.1%	86.3%	80.6%	79.7%	86.8%	85.2%	84.1%	82.5%
		% of Total	10.4%	10.2%	10.4%	10.0%	10.9%	10.5%	10.2%	9.9%	82.5%
	Total	Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	18.275 ^a	7	.011
Likelihood Ratio	17.673	7	.014
Linear-by-Linear Association	5.197	1	.023
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 35.21.

5b) (The PSB) <El Paso Water Utilities> controls growth in El Paso * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5b) (The PSB) <El Paso Water Utilities> controls growth in El Paso	Disagree	Count	93	71	68	82	86	64	66	46	576
		% within City Council District	39.2%	34.3%	33.2%	38.9%	37.1%	31.2%	32.5%	22.9%	33.9%
		% of Total	5.5%	4.2%	4.0%	4.8%	5.1%	3.8%	3.9%	2.7%	33.9%
	Agree	Count	108	106	99	95	118	91	102	99	818
		% within City Council District	45.6%	51.2%	48.3%	45.0%	50.9%	44.4%	50.2%	49.3%	48.1%
		% of Total	6.3%	6.2%	5.8%	5.6%	6.9%	5.3%	6.0%	5.8%	48.1%
	Don't know	Count	36	30	38	34	28	50	35	56	307
		% within City Council District	15.2%	14.5%	18.5%	16.1%	12.1%	24.4%	17.2%	27.9%	18.0%
		% of Total	2.1%	1.8%	2.2%	2.0%	1.6%	2.9%	2.1%	3.3%	18.0%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	37.312 ^a	14	.001
Likelihood Ratio	36.872	14	.001
Linear-by-Linear Association	15.116	1	.000
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 36.28.

5c) (The PSB) <El Paso Water Utilities> is the largest landowner in El Paso * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5c) (The PSB) <El Paso Water Utilities> is the largest landowner in El Paso	Disagree	Count	46	47	38	57	43	40	51	34	356
		% within City Council District	19.4%	22.7%	18.5%	27.0%	18.5%	19.5%	25.1%	16.9%	20.9%
		% of Total	2.7%	2.8%	2.2%	3.4%	2.5%	2.4%	3.0%	2.0%	20.9%
	Agree	Count	89	78	72	77	95	84	67	81	643
		% within City Council District	37.6%	37.7%	35.1%	36.5%	40.9%	41.0%	33.0%	40.3%	37.8%
		% of Total	5.2%	4.6%	4.2%	4.5%	5.6%	4.9%	3.9%	4.8%	37.8%
	Don't know	Count	102	82	95	77	94	81	85	86	702
		% within City Council District	43.0%	39.6%	46.3%	36.5%	40.5%	39.5%	41.9%	42.8%	41.3%
		% of Total	6.0%	4.8%	5.6%	4.5%	5.5%	4.8%	5.0%	5.1%	41.3%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	15.240 ^a	14	.362
Likelihood Ratio	15.008	14	.378
Linear-by-Linear Association	.000	1	.994
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 42.07.

5d) (The PSB) <El Paso Water Utilities> controls El Paso Water Utilities. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5d) (The PSB) <El Paso Water Utilities> controls El Paso Water Utilities.	Disagree	Count	37	41	31	48	34	25	40	36	292
		% within City Council District	15.7%	20.0%	15.1%	23.2%	14.7%	12.3%	19.8%	18.0%	17.3%
		% of Total	2.2%	2.4%	1.8%	2.8%	2.0%	1.5%	2.4%	2.1%	17.3%
	Agree	Count	146	127	115	124	153	131	117	112	1025
		% within City Council District	61.9%	62.0%	56.1%	59.9%	65.9%	64.2%	57.9%	56.0%	60.6%
		% of Total	8.6%	7.5%	6.8%	7.3%	9.0%	7.7%	6.9%	6.6%	60.6%
	Don't know	Count	53	37	59	35	45	48	45	52	374
		% within City Council District	22.5%	18.0%	28.8%	16.9%	19.4%	23.5%	22.3%	26.0%	22.1%
		% of Total	3.1%	2.2%	3.5%	2.1%	2.7%	2.8%	2.7%	3.1%	22.1%
Total		Count	236	205	205	207	232	204	202	200	1691
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.1%	12.1%	12.2%	13.7%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	24.505 ^a	14	.040
Likelihood Ratio	24.365	14	.041
Linear-by-Linear Association	.311	1	.577
N of Valid Cases	1691		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 34.54.

5e) (The PSB) <El Paso Water Utilities> recommends El Paso water rates. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5e) (The PSB) <El Paso Water Utilities> recommends El Paso water rates.	Disagree	Count	29	33	35	41	34	26	29	11	238
		% within City Council District	12.2%	15.9%	17.2%	19.5%	14.7%	12.7%	14.3%	5.5%	14.0%
		% of Total	1.7%	1.9%	2.1%	2.4%	2.0%	1.5%	1.7%	.6%	14.0%
	Agree	Count	162	151	130	138	162	141	149	130	1163
		% within City Council District	68.4%	72.9%	64.0%	65.7%	69.8%	69.1%	73.4%	64.7%	68.5%
		% of Total	9.5%	8.9%	7.7%	8.1%	9.5%	8.3%	8.8%	7.7%	68.5%
	Don't know	Count	46	23	38	31	36	37	25	60	296
		% within City Council District	19.4%	11.1%	18.7%	14.8%	15.5%	18.1%	12.3%	29.9%	17.4%
		% of Total	2.7%	1.4%	2.2%	1.8%	2.1%	2.2%	1.5%	3.5%	17.4%
Total		Count	237	207	203	210	232	204	203	201	1697
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	14.0%	12.2%	12.0%	12.4%	13.7%	12.0%	12.0%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	48.229 ^a	14	.000
Likelihood Ratio	48.787	14	.000
Linear-by-Linear Association	7.935	1	.005
N of Valid Cases	1697		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 28.19.

5f) (The PSB) <El Paso Water Utilities> is an effective agency. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5f) (The PSB) <El Paso Water Utilities> is an effective agency.	Disagree	Count	59	40	26	54	56	33	25	42	335
		% within City Council District	24.9%	19.3%	12.7%	25.6%	24.1%	16.1%	12.3%	20.9%	19.7%
		% of Total	3.5%	2.4%	1.5%	3.2%	3.3%	1.9%	1.5%	2.5%	19.7%
	Agree	Count	137	135	141	123	151	132	144	119	1082
		% within City Council District	57.8%	65.2%	68.8%	58.3%	65.1%	64.4%	70.9%	59.2%	63.6%
		% of Total	8.1%	7.9%	8.3%	7.2%	8.9%	7.8%	8.5%	7.0%	63.6%
	Don't know	Count	41	32	38	34	25	40	34	40	284
		% within City Council District	17.3%	15.5%	18.5%	16.1%	10.8%	19.5%	16.7%	19.9%	16.7%
		% of Total	2.4%	1.9%	2.2%	2.0%	1.5%	2.4%	2.0%	2.4%	16.7%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	34.889 ^a	14	.002
Likelihood Ratio	36.429	14	.001
Linear-by-Linear Association	2.055	1	.152
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 33.56.

5g) Water shortages will affect the quality of life in El Paso. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5g) Water shortages will affect the quality of life in El Paso.	Disagree	Count	22	22	26	20	17	16	16	13	152
		% within City Council District	9.3%	10.6%	12.7%	9.5%	7.3%	7.8%	7.9%	6.5%	8.9%
		% of Total	1.3%	1.3%	1.5%	1.2%	1.0%	.9%	.9%	.8%	8.9%
	Agree	Count	212	185	174	188	213	183	186	187	1528
		% within City Council District	89.5%	89.4%	84.9%	89.1%	91.8%	89.3%	91.6%	93.0%	89.8%
		% of Total	12.5%	10.9%	10.2%	11.1%	12.5%	10.8%	10.9%	11.0%	89.8%
	Don't know	Count	3		5	3	2	6	1	1	21
		% within City Council District	1.3%		2.4%	1.4%	.9%	2.9%	.5%	.5%	1.2%
		% of Total	.2%		.3%	.2%	.1%	.4%	.1%	.1%	1.2%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	19.397 ^a	14	.150
Likelihood Ratio	20.446	14	.117
Linear-by-Linear Association	2.895	1	.089
N of Valid Cases	1701		

a. 8 cells (33.3%) have expected count less than 5. The minimum expected count is 2.48.

5h) Water will be available for future generations of El Pasoans. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5h) Water will be available for future generations of El Pasoans.	Disagree	Count	84	71	67	73	94	57	72	99	617
		% within City Council District	35.4%	34.3%	32.7%	34.6%	40.5%	27.8%	35.5%	49.3%	36.3%
		% of Total	4.9%	4.2%	3.9%	4.3%	5.5%	3.4%	4.2%	5.8%	36.3%
	Agree	Count	107	97	95	99	104	98	98	65	763
		% within City Council District	45.1%	46.9%	46.3%	46.9%	44.8%	47.8%	48.3%	32.3%	44.9%
		% of Total	6.3%	5.7%	5.6%	5.8%	6.1%	5.8%	5.8%	3.8%	44.9%
	Don't know	Count	46	39	43	39	34	50	33	37	321
		% within City Council District	19.4%	18.8%	21.0%	18.5%	14.7%	24.4%	16.3%	18.4%	18.9%
		% of Total	2.7%	2.3%	2.5%	2.3%	2.0%	2.9%	1.9%	2.2%	18.9%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	30.963 ^a	14	.006
Likelihood Ratio	31.018	14	.006
Linear-by-Linear Association	2.632	1	.105
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 37.93.

5i) El Paso charges higher water rates than other southwest desert cities. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5i) El Paso charges higher water rates than other southwest desert cities.	Disagree	Count	76	66	57	58	69	45	59	36	466
		% within City Council District	32.1%	31.9%	27.8%	27.5%	29.7%	22.0%	29.1%	17.9%	27.4%
		% of Total	4.5%	3.9%	3.4%	3.4%	4.1%	2.6%	3.5%	2.1%	27.4%
	Agree	Count	77	74	60	80	78	73	84	55	581
		% within City Council District	32.5%	35.7%	29.3%	37.9%	33.6%	35.6%	41.4%	27.4%	34.2%
		% of Total	4.5%	4.4%	3.5%	4.7%	4.6%	4.3%	4.9%	3.2%	34.2%
	Don't know	Count	84	67	88	73	85	87	60	110	654
		% within City Council District	35.4%	32.4%	42.9%	34.6%	36.6%	42.4%	29.6%	54.7%	38.4%
		% of Total	4.9%	3.9%	5.2%	4.3%	5.0%	5.1%	3.5%	6.5%	38.4%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	45.035 ^a	14	.000
Likelihood Ratio	44.816	14	.000
Linear-by-Linear Association	11.847	1	.001
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 55.07.

5j) Current El Paso water rates will fund the cost of developing new water resources. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
5j) Current El Paso water rates will fund the cost of developing new water resources.	Disagree	Count	86	50	50	56	56	35	44	46	423
		% within City Council District	36.3%	24.2%	24.4%	26.5%	24.1%	17.1%	21.7%	22.9%	24.9%
		% of Total	5.1%	2.9%	2.9%	3.3%	3.3%	2.1%	2.6%	2.7%	24.9%
	Agree	Count	116	130	107	116	134	133	129	115	980
		% within City Council District	48.9%	62.8%	52.2%	55.0%	57.8%	64.9%	63.5%	57.2%	57.6%
		% of Total	6.8%	7.6%	6.3%	6.8%	7.9%	7.8%	7.6%	6.8%	57.6%
	Don't know	Count	35	27	48	39	42	37	30	40	298
		% within City Council District	14.8%	13.0%	23.4%	18.5%	18.1%	18.0%	14.8%	19.9%	17.5%
		% of Total	2.1%	1.6%	2.8%	2.3%	2.5%	2.2%	1.8%	2.4%	17.5%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	36.585 ^a	14	.001
Likelihood Ratio	35.675	14	.001
Linear-by-Linear Association	8.479	1	.004
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 35.21.

6a) Mayor Ray Caballero is an effective Mayor. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6a) Mayor Ray Caballero is an effective Mayor.	Disagree	Count	103	69	86	91	93	63	70	89	664
		% within City Council District	43.5%	33.3%	42.0%	43.1%	40.1%	30.7%	34.5%	44.3%	39.0%
		% of Total	6.1%	4.1%	5.1%	5.3%	5.5%	3.7%	4.1%	5.2%	39.0%
	Agree	Count	99	104	96	76	100	115	83	86	759
		% within City Council District	41.8%	50.2%	46.8%	36.0%	43.1%	56.1%	40.9%	42.8%	44.6%
		% of Total	5.8%	6.1%	5.6%	4.5%	5.9%	6.8%	4.9%	5.1%	44.6%
	Don't know	Count	35	34	23	44	39	27	50	26	278
		% within City Council District	14.8%	16.4%	11.2%	20.9%	16.8%	13.2%	24.6%	12.9%	16.3%
		% of Total	2.1%	2.0%	1.4%	2.6%	2.3%	1.6%	2.9%	1.5%	16.3%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	40.553 ^a	14	.000
Likelihood Ratio	39.844	14	.000
Linear-by-Linear Association	.897	1	.344
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 32.85.

6b) Mayor Ray Caballero has pointed El Paso in the right future direction. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6b) Mayor Ray Caballero has pointed El Paso in the right future direction.	Disagree	Count	96	78	74	94	87	61	81	86	657
		% within City Council District	40.5%	37.7%	36.1%	44.5%	37.5%	29.8%	39.9%	42.8%	38.6%
		% of Total	5.6%	4.6%	4.4%	5.5%	5.1%	3.6%	4.8%	5.1%	38.6%
	Agree	Count	105	99	103	75	97	117	78	87	761
		% within City Council District	44.3%	47.8%	50.2%	35.5%	41.8%	57.1%	38.4%	43.3%	44.7%
		% of Total	6.2%	5.8%	6.1%	4.4%	5.7%	6.9%	4.6%	5.1%	44.7%
	Don't know	Count	36	30	28	42	48	27	44	28	283
		% within City Council District	15.2%	14.5%	13.7%	19.9%	20.7%	13.2%	21.7%	13.9%	16.6%
		% of Total	2.1%	1.8%	1.6%	2.5%	2.8%	1.6%	2.6%	1.6%	16.6%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	33.977 ^a	14	.002
Likelihood Ratio	33.756	14	.002
Linear-by-Linear Association	.218	1	.640
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 33.44.

6c) I would vote for Mayor Ray Caballero in the next election if he runs. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6c) I would vote for Mayor Ray Caballero in the next election if he runs.	Disagree	Count	107	91	86	109	104	65	76	98	736
		% within City Council District	45.1%	44.0%	42.0%	51.7%	44.8%	31.7%	37.4%	48.8%	43.3%
		% of Total	6.3%	5.3%	5.1%	6.4%	6.1%	3.8%	4.5%	5.8%	43.3%
	Agree	Count	75	78	71	56	71	94	75	57	577
		% within City Council District	31.6%	37.7%	34.6%	26.5%	30.6%	45.9%	36.9%	28.4%	33.9%
		% of Total	4.4%	4.6%	4.2%	3.3%	4.2%	5.5%	4.4%	3.4%	33.9%
	Don't know	Count	55	38	48	46	57	46	52	46	388
		% within City Council District	23.2%	18.4%	23.4%	21.8%	24.6%	22.4%	25.6%	22.9%	22.8%
		% of Total	3.2%	2.2%	2.8%	2.7%	3.4%	2.7%	3.1%	2.7%	22.8%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	32.542 ^a	14	.003
Likelihood Ratio	32.619	14	.003
Linear-by-Linear Association	1.252	1	.263
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 45.85.

6d) I voted for Ray Caballero in the last election. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6d) I voted for Ray Caballero in the last election.	Yes	Count	99	96	103	73	122	104	104	109	810
		% within City Council District	41.8%	46.4%	50.2%	34.6%	52.6%	50.7%	51.2%	54.2%	47.6%
		% of Total	5.8%	5.6%	6.1%	4.3%	7.2%	6.1%	6.1%	6.4%	47.6%
	No	Count	119	82	86	112	94	79	82	54	708
		% within City Council District	50.2%	39.6%	42.0%	53.1%	40.5%	38.5%	40.4%	26.9%	41.6%
		% of Total	7.0%	4.8%	5.1%	6.6%	5.5%	4.6%	4.8%	3.2%	41.6%
	Didn't vote	Count	19	29	16	26	16	22	17	38	183
		% within City Council District	8.0%	14.0%	7.8%	12.3%	6.9%	10.7%	8.4%	18.9%	10.8%
		% of Total	1.1%	1.7%	.9%	1.5%	.9%	1.3%	1.0%	2.2%	10.8%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	58.308 ^a	14	.000
Likelihood Ratio	58.169	14	.000
Linear-by-Linear Association	1.876	1	.171
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 21.62.

6e) My City Council Representative is effective. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6e) My City Council Representative is effective.	Disagree	Count	93	79	70	58	67	56	51	67	541
		% within City Council District	39.2%	38.2%	34.1%	27.5%	28.9%	27.3%	25.1%	33.3%	31.8%
		% of Total	5.5%	4.6%	4.1%	3.4%	3.9%	3.3%	3.0%	3.9%	31.8%
	Agree	Count	99	77	72	108	116	101	81	91	745
		% within City Council District	41.8%	37.2%	35.1%	51.2%	50.0%	49.3%	39.9%	45.3%	43.8%
		% of Total	5.8%	4.5%	4.2%	6.3%	6.8%	5.9%	4.8%	5.3%	43.8%
	Don't know	Count	45	51	63	45	49	48	71	43	415
		% within City Council District	19.0%	24.6%	30.7%	21.3%	21.1%	23.4%	35.0%	21.4%	24.4%
		% of Total	2.6%	3.0%	3.7%	2.6%	2.9%	2.8%	4.2%	2.5%	24.4%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	44.127 ^a	14	.000
Likelihood Ratio	43.136	14	.000
Linear-by-Linear Association	7.295	1	.007
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 49.04.

6f) My City Council Representative has pointed El Paso in the right future direction. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6f) My City Council Representative has pointed El Paso in the right future direction.	Disagree	Count	95	80	65	56	71	57	50	66	540
		% within City Council District	40.1%	38.6%	31.7%	26.5%	30.6%	27.8%	24.6%	32.8%	31.7%
		% of Total	5.6%	4.7%	3.8%	3.3%	4.2%	3.4%	2.9%	3.9%	31.7%
	Agree	Count	90	78	69	100	100	95	72	79	683
		% within City Council District	38.0%	37.7%	33.7%	47.4%	43.1%	46.3%	35.5%	39.3%	40.2%
		% of Total	5.3%	4.6%	4.1%	5.9%	5.9%	5.6%	4.2%	4.6%	40.2%
	Don't know	Count	52	49	71	55	61	53	81	56	478
		% within City Council District	21.9%	23.7%	34.6%	26.1%	26.3%	25.9%	39.9%	27.9%	28.1%
		% of Total	3.1%	2.9%	4.2%	3.2%	3.6%	3.1%	4.8%	3.3%	28.1%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	42.388 ^a	14	.000
Likelihood Ratio	41.117	14	.000
Linear-by-Linear Association	11.353	1	.001
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 56.48.

6g) I would vote for my City Council Representative if he or she runs in the next election. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6g) I would vote for my City Council Representative if he or she runs in the next election.	Disagree	Count	77	68	64	54	65	56	47	55	486
		% within City Council District	32.5%	32.9%	31.2%	25.6%	28.0%	27.3%	23.2%	27.4%	28.6%
		% of Total	4.5%	4.0%	3.8%	3.2%	3.8%	3.3%	2.8%	3.2%	28.6%
	Agree	Count	87	68	65	93	92	86	72	83	646
		% within City Council District	36.7%	32.9%	31.7%	44.1%	39.7%	42.0%	35.5%	41.3%	38.0%
		% of Total	5.1%	4.0%	3.8%	5.5%	5.4%	5.1%	4.2%	4.9%	38.0%
	Don't know	Count	73	71	76	64	75	63	84	63	569
		% within City Council District	30.8%	34.3%	37.1%	30.3%	32.3%	30.7%	41.4%	31.3%	33.5%
		% of Total	4.3%	4.2%	4.5%	3.8%	4.4%	3.7%	4.9%	3.7%	33.5%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	20.332 ^a	14	.120
Likelihood Ratio	20.185	14	.124
Linear-by-Linear Association	2.852	1	.091
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 57.43.

6h) I voted for my City Council Representative in the last election. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6h) I voted for my City Council Representative in the last election.	Yes	Count	129	102	98	118	141	115	102	119	924
		% within City Council District	54.4%	49.3%	47.8%	55.9%	60.8%	56.1%	50.2%	59.2%	54.3%
		% of Total	7.6%	6.0%	5.8%	6.9%	8.3%	6.8%	6.0%	7.0%	54.3%
	No	Count	85	77	85	68	68	66	77	42	568
		% within City Council District	35.9%	37.2%	41.5%	32.2%	29.3%	32.2%	37.9%	20.9%	33.4%
		% of Total	5.0%	4.5%	5.0%	4.0%	4.0%	3.9%	4.5%	2.5%	33.4%
	Didn't vote	Count	23	28	22	25	23	24	24	40	209
		% within City Council District	9.7%	13.5%	10.7%	11.8%	9.9%	11.7%	11.8%	19.9%	12.3%
		% of Total	1.4%	1.6%	1.3%	1.5%	1.4%	1.4%	1.4%	2.4%	12.3%
Total	Count	237	207	205	211	232	205	203	201	1701	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	36.009 ^a	14	.001
Likelihood Ratio	35.833	14	.001
Linear-by-Linear Association	.002	1	.961
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 24.70.

6i) El Paso city government is run efficiently. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6i) El Paso city government is run efficiently.	Yes	Count	148	113	94	120	138	96	91	117	917
		% within City Council District	62.4%	54.6%	45.9%	56.9%	59.5%	46.8%	44.8%	58.2%	53.9%
		% of Total	8.7%	6.6%	5.5%	7.1%	8.1%	5.6%	5.3%	6.9%	53.9%
	No	Count	73	82	80	75	81	92	84	71	638
		% within City Council District	30.8%	39.6%	39.0%	35.5%	34.9%	44.9%	41.4%	35.3%	37.5%
		% of Total	4.3%	4.8%	4.7%	4.4%	4.8%	5.4%	4.9%	4.2%	37.5%
	Don't know	Count	16	12	31	16	13	17	28	13	146
		% within City Council District	6.8%	5.8%	15.1%	7.6%	5.6%	8.3%	13.8%	6.5%	8.6%
		% of Total	.9%	.7%	1.8%	.9%	.8%	1.0%	1.6%	.8%	8.6%
Total		Count	237	207	205	211	232	205	203	201	1701
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.9%	12.2%	12.1%	12.4%	13.6%	12.1%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	44.097 ^a	14	.000
Likelihood Ratio	42.132	14	.000
Linear-by-Linear Association	2.748	1	.097
N of Valid Cases	1701		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 17.25.

6j) El Paso city government uses tax revenues wisely. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6j) El Paso city government uses tax revenues wisely.	Yes	Count	141	123	106	129	147	97	104	110	957
		% within City Council District	60.3%	59.4%	52.0%	61.4%	64.5%	47.3%	52.0%	54.7%	56.7%
		% of Total	8.3%	7.3%	6.3%	7.6%	8.7%	5.7%	6.2%	6.5%	56.7%
	No	Count	70	59	68	60	56	75	74	59	521
		% within City Council District	29.9%	28.5%	33.3%	28.6%	24.6%	36.6%	37.0%	29.4%	30.8%
		% of Total	4.1%	3.5%	4.0%	3.6%	3.3%	4.4%	4.4%	3.5%	30.8%
	Didn't vote	Count	23	25	30	21	25	33	22	32	211
		% within City Council District	9.8%	12.1%	14.7%	10.0%	11.0%	16.1%	11.0%	15.9%	12.5%
		% of Total	1.4%	1.5%	1.8%	1.2%	1.5%	2.0%	1.3%	1.9%	12.5%
Total	Count	234	207	204	210	228	205	200	201	1689	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.9%	12.3%	12.1%	12.4%	13.5%	12.1%	11.8%	11.9%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	25.877 ^a	14	.027
Likelihood Ratio	25.770	14	.028
Linear-by-Linear Association	4.242	1	.039
N of Valid Cases	1689		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 24.99.

6k) I plan to vote in the next election. * City Council District

Crosstab

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
6k) I plan to vote in the next election.	Yes	Count	213	187	187	195	221	189	185	184	1561
		% within City Council District	95.1%	92.1%	92.1%	92.4%	95.7%	92.6%	92.5%	92.9%	93.2%
		% of Total	12.7%	11.2%	11.2%	11.6%	13.2%	11.3%	11.1%	11.0%	93.2%
	No	Count	11	16	16	16	10	15	15	14	113
		% within City Council District	4.9%	7.9%	7.9%	7.6%	4.3%	7.4%	7.5%	7.1%	6.8%
		% of Total	.7%	1.0%	1.0%	1.0%	.6%	.9%	.9%	.8%	6.8%
Total		Count	224	203	203	211	231	204	200	198	1674
		% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	13.4%	12.1%	12.1%	12.6%	13.8%	12.2%	11.9%	11.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	4.742 ^a	7	.691
Likelihood Ratio	5.097	7	.648
Linear-by-Linear Association	.160	1	.689
N of Valid Cases	1674		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 13.37.

7a) If you were Mayor, what would be your most important priority for El Paso? *City Council District Crosstabulation

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
7a) What issues should the mayor focus upon?	Better Jobs	Count	33	52	38	42	31	42	43	40	321
		% within City Council District	16.8%	29.7%	23.9%	22.6%	14.9%	23.3%	23.6%	25.2%	22.2%
		% of Total	2.3%	3.6%	2.6%	2.9%	2.1%	2.9%	3.0%	2.8%	22.2%
	Education Issues	Count	32	22	29	29	27	17	27	36	219
		% within City Council District	16.2%	12.6%	18.2%	15.6%	13.0%	9.4%	14.8%	22.6%	15.1%
		% of Total	2.2%	1.5%	2.0%	2.0%	1.9%	1.2%	1.9%	2.5%	15.1%
	Gnereal Economic Development	Count	24	10	9	17	21	20	19	3	123
		% within City Council District	12.2%	5.7%	5.7%	9.1%	10.1%	11.1%	10.4%	1.9%	8.5%
		% of Total	1.7%	.7%	.6%	1.2%	1.5%	1.4%	1.3%	.2%	8.5%
	Water Issues	Count	27	16	9	7	19	9	8	11	106
		% within City Council District	13.7%	9.1%	5.7%	3.8%	9.1%	5.0%	4.4%	6.9%	7.3%
		% of Total	1.9%	1.1%	.6%	.5%	1.3%	.6%	.6%	.8%	7.3%
	Lower Taxes	Count	8	10	11	9	5	10	17	14	84
		% within City Council District	4.1%	5.7%	6.9%	4.8%	2.4%	5.6%	9.3%	8.8%	5.8%
		% of Total	.6%	.7%	.8%	.6%	.3%	.7%	1.2%	1.0%	5.8%
	Public Safety and Crime	Count	5	5	10	11	15	8	4	7	65
		% within City Council District	2.5%	2.9%	6.3%	5.9%	7.2%	4.4%	2.2%	4.4%	4.5%
		% of Total	.3%	.3%	.7%	.8%	1.0%	.6%	.3%	.5%	4.5%
	Goverment Efficiency	Count	5	8	7	11	9	4	3	5	52
		% within City Council District	2.5%	4.6%	4.4%	5.9%	4.3%	2.2%	1.6%	3.1%	3.6%
		% of Total	.3%	.6%	.5%	.8%	.6%	.3%	.2%	.3%	3.6%
	Environmental Quality (Air, Community Cleanliness)	Count	11	6	4	4	9	4	3	8	49
		% within City Council District	5.6%	3.4%	2.5%	2.2%	4.3%	2.2%	1.6%	5.0%	3.4%
		% of Total	.8%	.4%	.3%	.3%	.6%	.3%	.2%	.6%	3.4%
	Quality of Life	Count	11	4	2	5	3	6	11	2	44
		% within City Council District	5.6%	2.3%	1.3%	2.7%	1.4%	3.3%	6.0%	1.3%	3.0%
		% of Total	.8%	.3%	.1%	.3%	.2%	.4%	.8%	.1%	3.0%

7a) If you were Mayor, what would be your most important priority for El Paso? *City Council District Crosstabulation

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
7a) What issues should the mayor focus upon?	Infrastructure	Count	4	2	6	5	10	7	6	1	41
		% within City Council District	2.0%	1.1%	3.8%	2.7%	4.8%	3.9%	3.3%	.6%	2.8%
		% of Total	.3%	.1%	.4%	.3%	.7%	.5%	.4%	.1%	2.8%
	Downtown Redevelopment	Count	5	1	6	4	10	4	4	6	40
		% within City Council District	2.5%	.6%	3.8%	2.2%	4.8%	2.2%	2.2%	3.8%	2.8%
		% of Total	.3%	.1%	.4%	.3%	.7%	.3%	.3%	.4%	2.8%
	Health and Medical Issues	Count	7	10	2	8	5	6		2	40
		% within City Council District	3.6%	5.7%	1.3%	4.3%	2.4%	3.3%		1.3%	2.8%
		% of Total	.5%	.7%	.1%	.6%	.3%	.4%		.1%	2.8%
	Community Consensus	Count	1	7	2	7	13	2	4		36
		% within City Council District	.5%	4.0%	1.3%	3.8%	6.3%	1.1%	2.2%		2.5%
		% of Total	.1%	.5%	.1%	.5%	.9%	.1%	.3%		2.5%
	Youth Issues and Programs	Count	6	5		5	6	3	3	5	33
		% within City Council District	3.0%	2.9%		2.7%	2.9%	1.7%	1.6%	3.1%	2.3%
		% of Total	.4%	.3%		.3%	.4%	.2%	.2%	.3%	2.3%
	Controlled Growth	Count	4	1	2	3	3	5	7	1	26
		% within City Council District	2.0%	.6%	1.3%	1.6%	1.4%	2.8%	3.8%	.6%	1.8%
		% of Total	.3%	.1%	.1%	.2%	.2%	.3%	.5%	.1%	1.8%
	Poverty Issues	Count	2	5	5	2	2	3	4	2	25
		% within City Council District	1.0%	2.9%	3.1%	1.1%	1.0%	1.7%	2.2%	1.3%	1.7%
		% of Total	.1%	.3%	.3%	.1%	.1%	.2%	.3%	.1%	1.7%
	Parks, Recreation and Entertainment	Count		1	5	2	4	4	2	4	22
		% within City Council District		.6%	3.1%	1.1%	1.9%	2.2%	1.1%	2.5%	1.5%
		% of Total		.1%	.3%	.1%	.3%	.3%	.1%	.3%	1.5%
	Tourism Development	Count		4	2	1	8	3	2		20
		% within City Council District		2.3%	1.3%	.5%	3.8%	1.7%	1.1%		1.4%
		% of Total		.3%	.1%	.1%	.6%	.2%	.1%		1.4%

7a) If you were Mayor, what would be your most important priority for El Paso? *City Council District Crosstabulation

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
7a) What issues should the mayor focus upon?	Affordable Housing	Count	1	1	1	5		5	5	1	19
		% within City Council District	.5%	.6%	.6%	2.7%		2.8%	2.7%	.6%	1.3%
		% of Total	.1%	.1%	.1%	.3%		.3%	.3%	.1%	1.3%
	Arena Development	Count	1	2	1	2	1	5	2		14
		% within City Council District	.5%	1.1%	.6%	1.1%	.5%	2.8%	1.1%		1.0%
		% of Total	.1%	.1%	.1%	.1%	.1%	.3%	.1%		1.0%
	Immigration and Border Crossing	Count	1			4	1	5		1	12
		% within City Council District	.5%			2.2%	.5%	2.8%		.6%	.8%
		% of Total	.1%			.3%	.1%	.3%		.1%	.8%
	Other	Count	4	2	2		3	2	2		15
		% within City Council District	2.0%	1.1%	1.3%		1.4%	1.1%	1.1%		1.0%
		% of Total	.3%	.1%	.1%		.2%	.1%	.1%		1.0%
	Elderly Issues	Count		1	4	1	1	1	1		9
		% within City Council District		.6%	2.5%	.5%	.5%	.6%	.5%		.6%
		% of Total		.1%	.3%	.1%	.1%	.1%	.1%		.6%
	Lower valley and Colonias Infrastructure Issues	Count			1	1		2	1	2	7
		% within City Council District			.6%	.5%		1.1%	.5%	1.3%	.5%
		% of Total			.1%	.1%		.1%	.1%	.1%	.5%
	Public Services Costs	Count	2		1		1		1	1	6
		% within City Council District	1.0%		.6%		.5%		.5%	.6%	.4%
		% of Total	.1%		.1%		.1%		.1%	.1%	.4%
	Consolidation of Services and Governments	Count						1	1	4	6
		% within City Council District						.6%	.5%	2.5%	.4%
		% of Total						.1%	.1%	.3%	.4%
	Utility Costs	Count	2			1		1			4
		% within City Council District	1.0%			.5%		.6%			.3%
		% of Total	.1%			.1%		.1%			.3%

7a) If you were Mayor, what would be your most important priority for El Paso? *City Council District Crosstabulation

			City Council District								Total
			Sumrall	Rodriguez	Medina	Cook	Power	Escobar	Sarinana	Cobos	
7a) What issues should the mayor focus upon?	Need for Focus on Key Issues	Count								3	3
		% within City Council District								1.9%	.2%
		% of Total								.2%	.2%
	NAFTA	Count	1						2		3
		% within City Council District	.5%						1.1%		.2%
		% of Total	.1%						.1%		.2%
	BHI	Count					1	1			2
		% within City Council District					.5%	.6%			.1%
		% of Total					.1%	.1%			.1%
Total	Count	197	175	159	186	208	180	182	159	1446	
	% within City Council District	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	13.6%	12.1%	11.0%	12.9%	14.4%	12.4%	12.6%	11.0%	100.0%	

1) How long have you lived in the City of El Paso?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less tha 1 year	3	.2	.2	.2
	1-2	23	1.4	1.4	1.5
	3-5	44	2.6	2.6	4.1
	6-10	109	6.4	6.4	10.5
	11-15	123	7.2	7.2	17.8
	16 or more years	1399	82.2	82.2	100.0
	Total	1701	100.0	100.0	

2) Do you currently rent or own your home?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Rent	284	16.7	16.7	16.7
	Own	1417	83.3	83.3	100.0
	Total	1701	100.0	100.0	

3) How would you classify your occupation?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Scientific/Technical	46	2.7	2.7	2.7
	Agriculture/Forestry	5	.3	.3	3.0
	Professional/Management	382	22.5	22.5	25.5
	Manufacturing/Processin	34	2.0	2.0	27.5
	Sales	60	3.5	3.5	31.0
	Construction	19	1.1	1.1	32.1
	Clerical/Bookkeeping	57	3.4	3.4	35.4
	Transportation	16	.9	.9	36.4
	Service	162	9.5	9.5	45.9
	Military	17	1.0	1.0	46.9
	Homemaker	314	18.5	18.5	65.4
	Retired	490	28.8	28.8	94.2
	Student	99	5.8	5.8	100.0
	Total	1701	100.0	100.0	

4) What is the last grade or level you completed in school?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than HS	286	16.8	16.8	16.8
	HS Graduate	381	22.4	22.4	39.2
	Some College	483	28.4	28.4	67.6
	College Graduate	358	21.0	21.0	88.7
	Graduate Degree	164	9.6	9.6	98.3
	Trade/Technical School	29	1.7	1.7	100.0
	Total	1701	100.0	100.0	

5) What ethnic group do you consider yourself a part of or fall closest to?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Caucasian	447	26.3	26.3	26.3
	Hispanic	1135	66.7	66.7	93.0
	Af-American	37	2.2	2.2	95.2
	Asian-American	2	.1	.1	95.3
	Pacific Islander	4	.2	.2	95.5
	Chinese Am	1	.1	.1	95.6
	Other	75	4.4	4.4	100.0
	Total	1701	100.0	100.0	

6) For statistical purposes only, what is your total yearly household income?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	\$10,000 or less	219	12.9	12.9	12.9
	\$10,001-\$20,000	359	21.1	21.2	34.1
	\$20,001-\$30,000	318	18.7	18.8	52.9
	\$30,001-\$40,000	256	15.0	15.1	68.0
	\$40,001-\$50,000	153	9.0	9.0	77.1
	\$50,001-\$60,000	90	5.3	5.3	82.4
	\$60,001-\$70,000	84	4.9	5.0	87.4
	\$70,001-\$80,000	60	3.5	3.5	90.9
	\$80,001-\$90,000	36	2.1	2.1	93.0
	\$90,001-\$100,000	20	1.2	1.2	94.2
	\$100,000 or higher	98	5.8	5.8	100.0
	Total	1693	99.5	100.0	
Missing	System	8	.5		
Total		1701	100.0		

7) Sex

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Female	954	56.1	56.1	56.1
	Male	747	43.9	43.9	100.0
	Total	1701	100.0	100.0	

8) Age group

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18 to 24 Years	133	7.8	8.0	8.0
	25 to 34 Years	206	12.1	12.4	20.4
	35 to 44 Years	316	18.6	19.1	39.5
	45 to 54 Years	315	18.5	19.0	58.5
	55 to 64 Years	232	13.6	14.0	72.5
	65 to 75 Years	240	14.1	14.5	87.0
	Over 75 Years	216	12.7	13.0	100.0
	Total	1658	97.5	100.0	
Missing	System	43	2.5		
Total		1701	100.0		

Appendix B: EPAB Phone Survey – Draft 3

I. How is the El Paso building industry viewed by voters?

El Paso builders are a positive influence in our community.
D-A-DK

El Paso builders have too much influence in local politics.
D-A-DK

El Paso builders are concerned about affordable housing.
D-A-DK

El Paso builders deliver good quality and value.
D-A-DK

El Paso builders are concerned about the future of our city.
D-A-DK

El Paso builders care about our environment.
D-A-DK

How much profit do you believe an El Paso builder makes on a \$100,000 home?
(Supply percentage or dollar amount in thousands – Coach, if needed, such as: 2%, 5%, 7%, 10%, 15%, 20%, 25%)

What percentage of El Paso builders are locally owned?
D-A-DK

I see a difference between El Paso builders and El Paso developers.
D-A-DK

II. Do voters understand what the El Paso building industry contributes to the local economy?

New home construction in El Paso increases the tax base that funds city services.
D-A-DK

Construction jobs are some of the better paying jobs in El Paso.

D-A-DK

Construction labor accounts for more than one-half of the price of a new home.
D-A-DK

New home construction in El Paso keeps service providers (landscapers, furniture retailers) employed.
D-A-DK

Most of the money you pay for a home stays in El Paso.
D-A-DK

El Paso builders pay the cost of new neighborhood streets and utilities.
D-A-DK

El Paso builders live here and spend their incomes here.
D-A-DK

How much of the material needed to construct a \$100,000 El Paso home is purchased locally?
(Supply percentage or dollar amount in thousands – Coach, if needed, such as: 25%, 50%, 75%, 90%)

III. Do voters understand impact fees and have an opinion?

Have you heard of Impact Fees?
_____No (Skip to Section IV)
_____Yes
If “Yes,” can you describe what they are? (Fill-in – Encourage, but please do not coach!)

(OPERATOR: If response makes sense, continue, otherwise Skip to Section IV)

If enacted, what services would be provided by the city in return for impact fees?
(Fill-in – Encourage, but please do not coach!)

If enacted, homebuyers would pay for impact fees because they would be included in a home’s purchase price.

D-A-DK

If enacted, impact fees would be a hidden homebuyer tax.
D-A-DK

IV. What are voter attitudes toward growth in El Paso?

El Paso is a fast growing city.
D-A-DK

Growth is good for El Paso.
D-A-DK

Continued growth will improve El Paso’s quality of life.
D-A-DK

El Paso’s growth is well planned.
D-A-DK

El Paso’s city services (schools, police, fire department, utilities) have kept up with growth.
D-A-DK

Growth contributes to environmental problems.
D-A-DK

Revitalizing downtown El Paso is important to my family.
D-A-DK

V. Do voters understand the Public Service Board (PSB) and have an opinion?

Have you heard of the Public Service Board or PSB?
____ No (Skip to ### and use <El Paso Water Utilities>)
____ Yes
If “Yes,” can you describe what it is? (Fill-in – Encourage, but please do not coach!)

(OPERATOR: If response makes sense, continue using (The PSB), otherwise use <El Paso Water Utilities>

(The PSB) <El Paso Water Utilities> controls growth in El Paso.
D-A-DK

(The PSB) <El Paso Water Utilities> is the largest landowner in El Paso.
D-A-DK

(The PSB) <El Paso Water Utilities> controls El Paso Water Utilities.
D-A-DK

(The PSB) <El Paso Water Utilities> recommends El Paso water rates.
D-A-DK

(The PSB) <El Paso Water Utilities> is an effective agency.
D-A-DK

Water shortages will affect the quality of life in El Paso.
D-A-DK

Water will be available for future generations of El Pasoans.
D-A-DK

El Paso charges higher water rates than other southwest desert cities.
D-A-DK

Current El Paso water rates will fund the cost of developing new water resources.
D-A-DK

VI. Are voters happy with their elected representatives, including the Mayor?

Mayor Ray Caballero is an effective Mayor.
D-A-DK

Mayor Ray Caballero has pointed El Paso in the right future direction.
D-A-DK

I would vote for Mayor Ray Caballero in the next election if he runs.
D-A-DK

I voted for Mayor Ray Caballero in the last election.

☐ Yes
☐ No
☐ Don't know

My City Council Representative is effective.

D-A-DK

My City Council Representative has pointed El Paso in the right future direction.

D-A-DK

I would vote for my City Council Representative if he or she runs in the next election.

D-A-DK

I voted for my City Council Representative in the last election.

☐ Yes
☐ No
☐ Don't know

El Paso city government is run efficiently.

D-A-DK

El Paso city government uses tax revenues wisely.

D-A-DK

I plan to vote in the next election.

☐ Yes
☐ No

If you were Mayor, what would be your most important priority for El Paso?

(Fill-in – Encourage, but please do not coach!)

**COPYRIGHT 2002, INSTITUTE FOR POLICY AND ECONOMIC DEVOPMENT, THE
UNIVERSITY OF TEXAS AT ELPASO, ALL RIGHT RESERVED.**

ADDENDUM

Respondent demographic profile: See tabulated results in Appendix A.

Appendix C: City Council District by Precinct

MAYOR AND CITY COUNCIL (all have the same address): Current as of November 11th 2002, as Provided by County of El Paso Elections Office

2 Civic Center Plaza 10th Floor
El Paso, TX 79901

Mayor

Pct. 2, 5-83, 85, 87-145, 162, 164, 165, (143)

Term	Raymond Caballero - 2001	Term Expires
2 years	(915) 541-4015 FAX (915) 541-4501	2003

CITY REPRESENTATIVE DISTRICT #1 (West)

Pct. 2, 5-8, 10-25, 29-31, 33 (25)

Term	Jan Sumrall – 1995	Term Expires
2 years	(915) 541-4886 FAX (915) 541-4380	2003

CITY REPRESENTATIVE DISTRICT #2 (West/Central)

Pct. 58-71, 85 (15)

Term	Rose Rodriguez – 1999	Term Expires
2 years	(915) 541-4572 FAX (915) 541-4348	2003

CITY REPRESENTATIVE DISTRICT #3 (Central/East)

MAYOR PRO-TEM

Pct. 73-83, 87-89, 121, 123-125, 164 (19)

Term	Larry Medina – 1997	Term Expires
2 years	(915) 541-4572 FAX (915) 541-4258	2003

CITY REPRESENTATIVE DISTRICT #4 (Northeast)

Pct. 41-57 (17)

Term	John Cook – 1999	Term Expires
2 years	(915) 541-4140 FAX (915) 541-4213	2003

CITY REPRESENTATIVE DISTRICT #5 (East)

Pct. 90-94, 97-101, 103-107, 109-114, 162, 165 (23)

Term
2 years

Daniel S. Power – 2001
(915) 541-4701 FAX (915) 541-4360

Term Expires
2003

CITY REPRESENTATIVE DISTRICT #6 (*East/Valley*)
Pct. 108, 115-120, 135, 138-145 (16)

Term
2 years

Paul Escobar
(915) 541-4182 FAX (915) 541-4262

Term Expires
2003

CITY REPRESENTATIVE DISTRICT #7 (*East ridge/Valley*)
Pct. 95, 96, 102, 122, 126-134, 136, 137 (15)

Term
2 years

Luis Sarinana – 1999
(915) 541-4108 FAX (915) 541-4134

Term Expires
2003

CITY REPRESENTATIVE DISTRICT #8 (*West/South*)
Pct. 9, 26-28, 32, 34-40, 72 (13)

Term
2 years

Anthony W. Cobos – 2001
(915) 541-4123 FAX (915) 541-4300

Term Expires
2003

Appendix D: Excerpt from The Survey Research Handbook

Second Edition

The Survey Research Handbook

Pamela L. Alreck
Robert B. Settle

Both of the

Perdue School of Business
Salisbury State University
Salisbury, Maryland

IRWIN

Chicago • Bogotá • Boston • Buenos Aires • Caracas • London • Madrid • Mexico City • Sydney • Toronto

A professional edition of this text is published by IRWIN PROFESSIONAL PUBLISHING

© RICHARD D. IRWIN, INC., 1985 and 1995

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher.

Sponsoring editor: Nina McGuffin
Developmental editor: Heather McCammond-Watts
Marketing manager: Jim Lewis
Project editor: Waivah Clement
Production manager: Laurie Kersch
Designer: Larry J. Cope
Cover designer: Joshua Paul Carr
Cover photographer: John Thoeming
Art coordinator: Mark Malloy
Compositor: University Graphics, Inc.
Typeface: 10/12 Bembo
Printer: R. R. Donnelley & Sons Company

Library of Congress Cataloging-in-Publication Data

Alreck, Pamela L.

The survey research handbook / Pamela L. Alreck, Robert B. Settle.
p. cm. — (The Irwin series in marketing)

Includes index.

ISBN 0-256-10321-6

I. Social surveys—Handbooks, manuals, etc. I. Settle, Robert B.

II. Title. III. Series

HN29.A46 1995

301'.0723—dc20

94-7619

Printed in the United States of America

1 2 3 4 5 6 7 8 9 0 DO 1 0 9 8 7 6 5 4

Chapter 3

Designing the Sample

THE PURPOSE OF SAMPLING

Nearly every survey uses some form of sampling. The concept of sampling is easily understood. It simply means taking part of some population to represent the whole population. The alternative to sampling is enumeration—counting the entire population. The census of the U.S. population conducted each decade and political elections where all qualified citizens who register and vote are *counted* at the polls are both examples of enumeration. Sampling is much more common. Even though the Census Bureau uses enumeration for the decennial census, they generate a gigantic volume of data about citizens, companies, and other units by surveying only a sample of the population under study. The news media, political parties, and candidates generate predictive data, using sampling, before the actual election. Sampling is a key factor for virtually any survey project.

The main reason for sampling is economy. To survey every individual in a population using enumeration is ordinarily much too expensive in terms of time, money, and personnel. There's really no need to survey every individual. Only a small fraction of the entire population usually represents the group as a whole with enough accuracy to base decisions on the results with confidence. While sampling is extremely practical and economical, it has to be done correctly or it will introduce bias or error in the results. The sample must be selected properly, or it won't represent the whole. It has to be large enough to meet the requirements for reliability—but not too large, or it will waste resources.

SAMPLE SIZE DETERMINATION

The sample size depends on the budget and degree of confidence required. The sponsor and researcher can *buy* higher reliability, lower sampling error, and greater confidence for additional time, money, and effort. Ordinarily, though, there's some minimum sample size, below which the data are worthless. Similarly, there's a point of diminishing returns, above which additional confidence is negligible. The object of sample size determination is to find the optimum point between those two extremes for the survey project at hand.

Sample Size and Error

Smaller samples are more likely to be different from the population than larger ones. So smaller samples have more sampling error and lower reliability. Suppose only 5 people out of 10,000 were interviewed on some subject. There's a fairly good chance most or all of them would happen to hold views that aren't typical of the whole group. By comparison, it's very unlikely that a sample of 1,000 people would happen to include a high proportion of people who were very different from the other 9,000 in the population. Thus, the larger the sample, the lower the sampling error. Box A of Figure 3-2 shows that sample size and

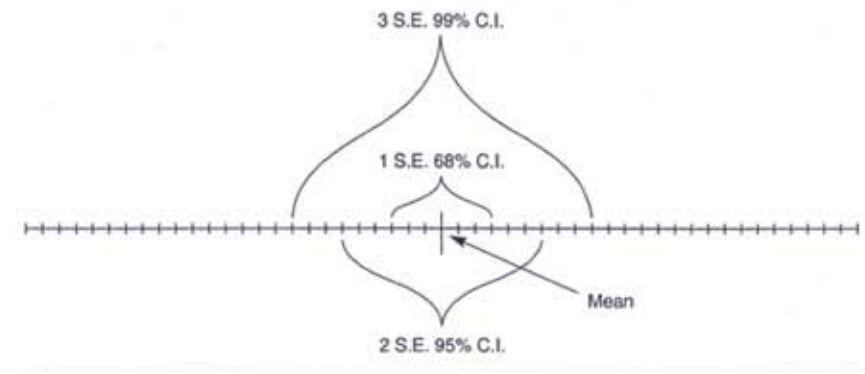
Confidence Level

Confidence level has a rather precise meaning for statisticians and survey researchers. It can be expressed as the *probability* that a value in the *population* is within a specific, numeric range from the corresponding value computed from a sample. For example, if the mean value of some variable computed from a *random* sample is 50, it wouldn't be logical or safe to assume that the mean for the entire population is exactly 50, as well. There's likely to be some *sampling error*. The pertinent question is "How much error?"

Standard error

If the sample was, in fact, *randomly* selected, the probability of a *certain amount* of sampling error can be computed. The value that indicates the range of error or *confidence interval* (C.I.) is called the *standard error of the estimate* (S.E.). As Figure 3-3 shows, the researcher can be

Figure 3-3 Confidence Intervals and Probability Levels



68 percent sure that the actual population value or *parameter* is within plus or minus 1 S.E. of the corresponding sample statistic. Similarly, there's a 95 percent chance the parameter value is within ± 2 S.E. and a 99 percent probability it's within ± 3 S.E.

Thus the value of S.E. and the corresponding breadth of the confidence intervals are quantitative measures of sample reliability and sampling error. The more reliable the sample, the lower the value of S.E. will be and the more narrow the confidence intervals will be. Conversely, the greater the sampling error, the larger the value of S.E. will be and the wider the confidence intervals will be. The determinants of confidence intervals will be discussed in more detail in the next section.

Key variable analysis

Surveys ordinarily include several items or variables, and occasionally they may have as many as a few hundred. Despite this multiplicity of variables, the specification of information requirements and assignment of priority will ordinarily identify only a few *key variables* that are the most important—those that constitute the major reason for the survey. The researcher should have a sense of the level of confidence desired for these key variables.

The confidence requirements can be assessed by asking a series of “What if . . .” questions about various levels of confidence and error. For example, the sponsor might be asked, “What if the average value for this item is off by 1 or 2 percent?” Usually the answer will be that it would make no real difference—that it wouldn’t matter. The next question might be, “What if it were off by 5 percent?” The researcher will soon discover both the consequences of basing decisions on estimates that are somewhat inaccurate for the population, and also the *critical points*, *below* which the error wouldn’t be important, and *above* which it would have very negative consequences. These estimates of the desired confidence level serve as target values during sample size determination.

The Outside Limits

There are maximum and minimum *practical* sample sizes that apply to virtually all surveys. Ordinarily, a sample of less than about 30 respondents will provide too little certainty to be practical. Figure 3-4 depicts a plot of the upper and lower 95 percent confidence level for samples (from the same population) ranging from 20 to 300 respondents in increments of 20. The values are expressed as a percentage of the mean. So there’s a 95 percent chance the actual population mean is within about 37 percent of the sample mean for a sample of only 20 respondents. Similarly, for a sample of 300, there’s a 95 percent probability of a range of error less than ten percent of the sample mean.

Minimum limit

Usually experienced researchers regard a sample of about 100 respondents as the minimum sample size for large populations, though there are exceptions. Figure 3-4 indicates that confidence intervals narrow sharply when very small sample sizes are increased, up to about 100 respondents. So small increases in sample size at lower levels yield big reductions in sampling error and big increases in confidence. In short, it’s well worth it to increase the size of very small samples.

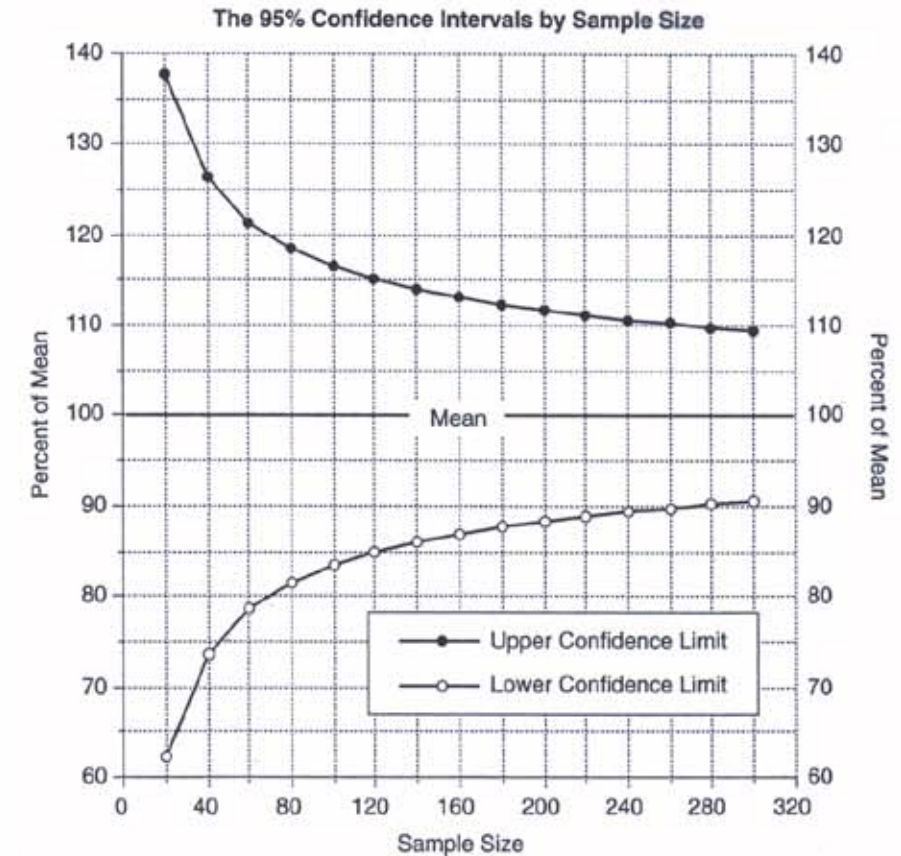
Another reason survey samples seldom contain fewer than a couple of hundred respondents is related to the cost structure for survey research, discussed in Chapter 2 and shown in Figure 2-10: Project Cost Elasticity, on page 50. The *fixed* costs will be incurred regardless of sample size. Thus, the additional or *marginal* cost of including at least 100 or so more respondents is often very small in comparison to the value of the fixed costs that will automatically result.

Maximum limit

The maximum *practical* size for a sample is about 1,000 respondents, under ordinary conditions. Contrary to popular belief, the maximum practical size of a sample has *absolutely nothing* to do with the size of the population if it’s many times greater than the sample. This fact may be difficult for a novice to accept, but it’s statistically sound and indisputable. A simple analogy makes this fact intuitively understandable. Suppose you are warming a bowl of soup for yourself and you want to know if it’s hot enough. You would probably *sample* it by stirring the soup, then trying a spoonful. The *sample size* would be *one spoonful*. Now assume that you are to warm a hundred gallons of soup for a large crowd, and you want to test it to see if it’s hot enough to serve. You would probably stir it and take a sample of *one spoonful*, even though the so-called *population* of soup was hundreds of times larger than when only one serving was sampled. Thus, the size of the population has *nothing* to do with the size of the sample that’s required.

It’s seldom necessary to sample more than 10 percent of the population to obtain adequate confidence, providing the resulting sample is less than about 1,000 and larger than the minimums noted earlier. Thus, for a population of 1,000 units, the experienced researcher would probably consider a sample size of about 100 or so. For a population of 5,000 units, the minimum practical sample would be 100 or so, and the maximum would be approxi-

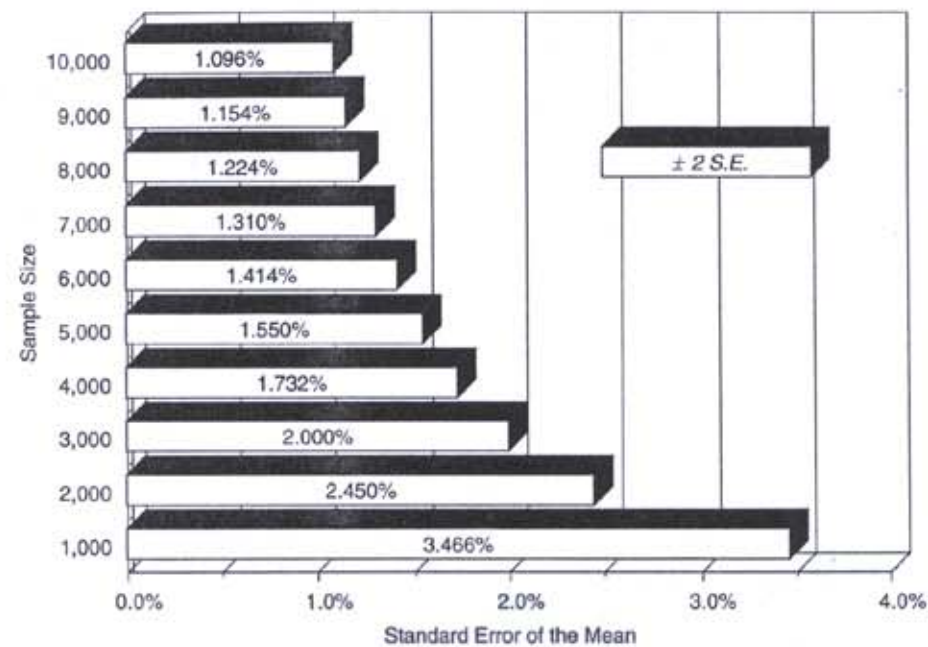
Figure 3-4 Sample Size and Confidence Intervals



mately 500, or 10 percent. For populations of 10,000 or more, most experienced researchers would probably consider a sample size between about 200 and 1,000 respondents.

The futility of using extremely large samples is demonstrated by Figure 3-5. For this population, a sample of 2,000 provided a 95 percent confidence interval (C.I.) of only plus or minus two percent of the mean. A sample of 10,000, five times that size, reduced the C.I. only slightly to just over plus or minus one percent. Above a sample size of about 4,000, confidence intervals decrease only very slightly and at a decreasing rate with each increment of 1,000 respondents. So, aside from some special circumstances, discussed below, samples of more than a few hundred are seldom required. Those over one or two thousand are very rarely justified.

Figure 3-5 Standard Error of Large Samples



Subsample Sizes

Some survey samples may be divided into subsamples and analyzed separately. When that's the case, the size of each subsample must be determined separately as well. In the vast majority of cases, the entire sample will be used for analysis and interpretation, to estimate the values and distributions in the population. Ordinarily, though, most survey data is *implicitly* divided during analysis into what might be called subsamples. So it's necessary for the researcher to anticipate the types of analysis that will be used and the size and number of the implicit subsamples that might be created.

The two most common techniques used for data analysis that implicitly create subsamples are cross-tabulation and breakdowns of averages. For example, respondent age might be broken down to show the average for men and for women, or the sex of the respondents might be cross-tabulated with their response to a yes/no question. In the first case, two subsamples would be created: males and females. In the second, four implicit subsamples would result: men responding positively, men responding negatively, women responding positively, and women responding negatively.

The reliability and confidence that result from these types of analyses depend in part on the size of the implicit subsamples. The size of the subsamples depends, in turn, on both the nature of the variables or items used for cross-tabulation or breakdowns, and also on the distributions of response obtained from the survey. Items with only two alternatives or levels create fewer and larger subsamples than those with many response options or levels. Thus, the size of subsamples or cells within the analysis is of less concern when there are fewer categories for the item, providing that respondents are about equally divided among the levels or subsamples. This is certainly not the usual case. For example, on a simple, dichotomous, yes/no question, only 10 percent or less may fall in one category. That would create a very small subsample. This problem is confounded even further because cross-tabulation creates individual cells which may become even smaller. For example, suppose the item cited above was to be cross-tabulated with another, similar variable. Assume that it also has a distribution of 10/90 as well. If there were no relationship between the two items, only 10 percent of 10 percent, or 1 percent of respondents, would reside in the smallest cell of the cross-tabulation.

Certainly the researcher designing a sample and determining the appropriate size can't fully anticipate all the breakdowns and cross-tabulations that will be used for analysis. Nor can the researcher predict accurately the distributions of response that will result for items with response categories. On the other hand, the researcher must be aware of the implicit creation of subsamples. In addition, those designing a sample must anticipate the *potential* for subsamples inherent in the survey task. If the analysis is likely to generate many, small subsamples, the total sample size must be relatively large to ensure adequate numbers within them.

Judgment and Determination

There are statistical formulas for the computation of a specific sample size to yield a given level of confidence for a single variable. Unfortunately, they're of little value, even to experienced, practicing researchers, for several reasons. The computations require fairly accurate estimates of population variance, and that's seldom known in advance. In addition, most surveys include dozens or even hundreds of items or variables, and it would be virtually impossible to complete the calculations for each. If such computations were performed for each item and the largest required sample size were used for the survey, the sample would very likely be much larger than that required for all but a few survey items. Lastly, sponsors usually know and can verbally express the degree of confidence in the data and the estimates they desire, but rarely if ever will they be able to express these requirements numerically as confidence intervals.

Most surveys don't call for a precise sample size. So it takes study and judgment of the conditions listed in Figure 3-7 to make an intelligent choice. If most or all the factors indicating a large sample size are present, the researcher would choose a sample size very near the maximum practical limit for the population, as noted earlier. By contrast, if most or all the conditions indicating a small sample size applied to the survey, the sample size selected would appropriately be very near the minimum limit noted above for the particular population to be sampled. When there are factors that indicate a large sample but others indicating a small one, the actual sample size must be in the mid-range between the maximum and minimum values suggested. It may be advisable for the researcher to consider each of the factors listed, to determine the importance of each for the particular survey task at hand. Obviously, the most salient and important factors for the project would be the determining ones to be weighed most heavily in the decision.

Figure 3-7 Factors Determining Sample Size

Factors Indicating a Large Sample

1. The decisions to be based on the survey data have very serious or costly consequences.
2. The sponsors demand a very high level of confidence in the data and estimates.
3. There's likely to be a high level of variance among the units in the population to be sampled.
4. The sample is to be divided into relatively small subsamples during analysis and interpretation.
5. Project costs and timing vary only slightly with increases in the size of the sample.
6. Time and resources are readily available to cover the costs of data collection.

Factors Indicating a Small Sample

1. There are few if any major decisions or commitments to be based on the survey data.
2. The sponsors require only rough estimates concerning the parameters of the population.
3. The population to be sampled is very homogeneous, with little variance among units.
4. The analysis and interpretation will be based on the entire sample or only a few, large subsamples.
5. A large proportion of total project costs are for data collection or costs increase dramatically with sample size.
6. Budget constraints and/or time requirements limit the volume of data that can be collected.