

Effectiveness of  
**Safe at Home/Safe at School  
Pipeline Safety Program**



Implemented in the  
Greater Houston Area

2007- 2010

In response to RP1162

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# Meeting the Dissemination and Documentation Challenge of API RP1162:

## *Safe at Home / Safe at School Program*

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### Executive Summary

There is increasing focus on the need for pipeline safety awareness programs to provide meaningful results. The Safe at Home/ Safe at School (SAH/SAS) program, developed to meet the public safety awareness mandates of API RP1162 for the high consequence school stakeholder audience, provides the sponsoring pipeline companies with significant reportable metrics about the effectiveness of the program. The program has targeted ninety-five HCA elementary schools in the greater Houston area, where it has been evaluated for the past three years with 17,004 students in 654 classrooms.

The data reported in this special report are based upon pre / post tests and Home Safety Surveys incorporated into the Safe at Home five-day instructional unit. During this three-year period, there has been an increase in the number of school orders for the program, which now reaches 67% of the targeted schools. Analysis of the data from the teacher administered pre / post test reveals a 44% to 84% increase in student pipeline safety knowledge, with similar increases in pipeline related physical and earth science knowledge. Evidence of the program's leverage and growth of parental knowledge of pipeline safety is indicated by 88% of participating students returning parent-signed Home Safety Surveys to their teachers.

### I. Introduction to the Safe at Home Effectiveness Metrics

Safe at Home/ Safe at School is designed to integrate the pipeline awareness and safety information with standard earth and physical science instruction to gain acceptance in the school curriculum. The effectiveness of the program is measured through the teacher administrated pre and post-tests.

The test consists of 15 multiple choice questions covering standard earth and physical science topics such as the properties of matter, the origins of fossil fuel, and combustion. Eight of the fifteen test questions address pipeline infrastructure and safety topics. The following are sample questions from the pipeline portion of the test:

*Before you or any adults dig anywhere around your house or in your community, you should always? (Circle one)*

- a. Call 811*
- b. Tell a neighbor*
- c. Post a sign in front of your house*
- d. Take a photo of the area where you plan to dig*

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*What does natural gas in your home smell like? (Circle one)*

- a. Bubble Gum*
- b. Very Strong Mint*
- c. Rotten Eggs*
- d. It is odorless*

*How does Natural Gas get from the well to your home? (Circle one)*

- a. Trucks*
- b. Planes*
- c. Underground Pipelines*
- d. Overhead Power Lines*

Additional program effectiveness data is obtained through the use of a Home Safety Survey signed by the students' parents, thus increasing the communication footprint of the SAH/SAS program and providing further documentation of the public outreach impact.

## **II. Background**

In the summer of 2007, eleven pipeline companies, including Copano Energy, CenterPoint Energy, Conoco Phillips Pipe Line Company, Dow Chemical Company, Energy Transfer, Enterprise Products, ExxonMobil Pipeline, Kinder Morgan, Magellan, Spectra Energy and Teppco, commissioned Enterprise for Education, Inc., a specialist in corporate sponsored, school-based safety education programs, to implement Safe at Home, an API RP1162 pipeline safety education program ([www.enterpriseforeducation.com](http://www.enterpriseforeducation.com)).

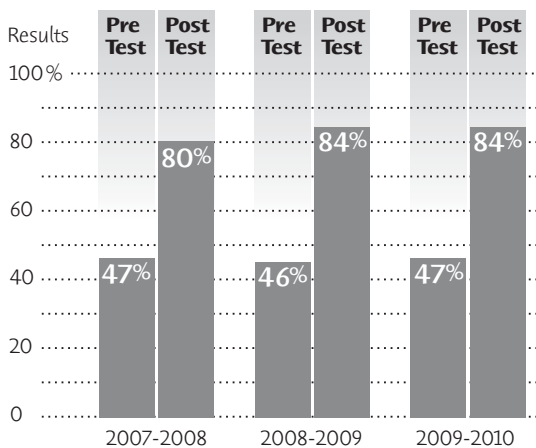
The program targets 4th and 5th grade students and consists of teacher and student print materials, classroom posters, pre- and post-tests, take-home safety survey, and science lab activity materials. Student ([www.safeathomewithleo.com](http://www.safeathomewithleo.com)) and teacher ([www.safeathomesupport.com](http://www.safeathomesupport.com)) websites support and reinforce the use of the materials.

Over this initial three-year period, the delivery system was refined and enhanced to the present implementation strategy and delivery system resulting in significant penetration of the target schools and achieving meaningful documentation of program impact. The Safe at School product, added to the SAH program in 2009-10, facilitates the development of a school pipeline safety emergency response plan in conjunction with the local first responders.

### III. Evaluating the Effectiveness of the SAH Pipeline Safety Program

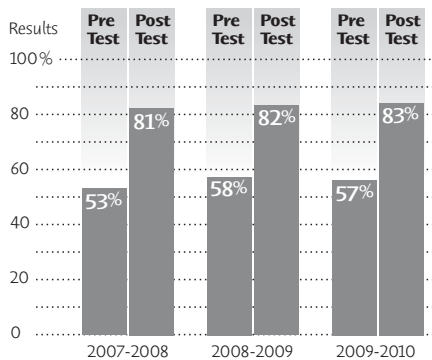
The data from three years of pre and post-tests provides consistent, significant evidence that the messages about pipeline safety and related science concepts are being heard and understood.

#### Pipeline Safety Learning Totals:

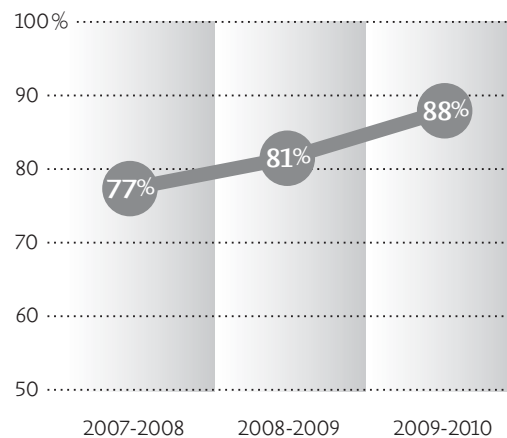


The Home Safety Survey, used as a homework assignment in the SAH program, engages the student's parents in the pipeline and home safety information. As part of the survey task, parents sign the document testifying to their involvement in the activity. Data from three years of parental involvement in this program provides solid, significant evidence that the messages about pipeline safety is being extended from the school to the students' families.

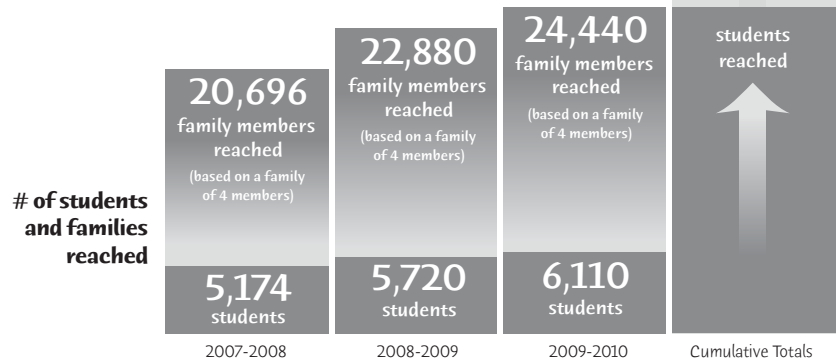
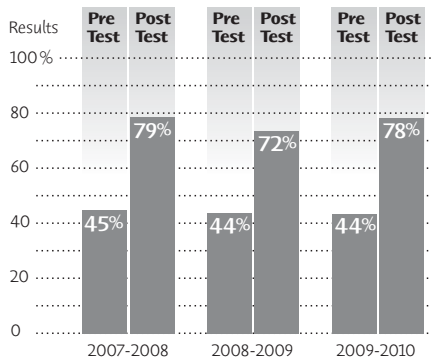
#### Pipeline Earth Science Learning Totals:



#### Parent Participation



#### Pipeline Physical Science Learning Totals:

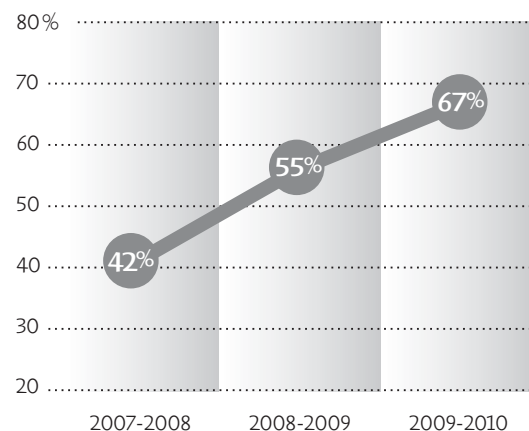


## IV. Measured Effectiveness and Impact of Dissemination Plan

The fact that teachers continue to request the SAH materials year after year provides evidence that this delivery method of imbedding the pipeline safety information in the context of science lessons is a viable strategy. Teacher anecdotal comments (available at the end of this report) about the pipeline safety information also substantiate this conclusion.

The dissemination plan and the package of materials are directly transferrable to target schools beyond the initial pipeline footprint identified in the greater Houston area. In the fall of 2010 the program will be expanded to additional states where participating sponsors have identified a need.

**% of targeted schools using Safe At Home**

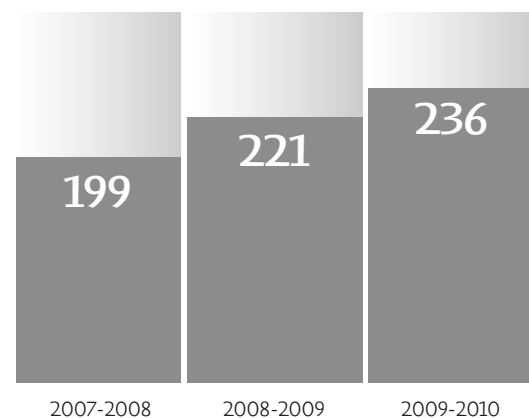


## V. Summary

The SAH /SAS implementation strategy provides some unique benefits for the sponsoring pipeline companies:

- The SAH /SAS implementation strategy targets the high consequence school stakeholder audience which is challenging to penetrate and requires unique delivery products.
- The SAH /SAS dissemination system establishes and updates a database of the decision-makers in the schools located along their pipeline right-of-ways.
- The SAH /SAS dissemination system provides detailed documentation of contact efforts to communicate with school decision-makers in order to build public awareness.
- The SAH /SAS program components deliver meaningful information about the pipeline infrastructure and pipeline safety to the whole school community including parents.
- The SAH /SAS measures the ‘effectiveness’ of the public awareness program by providing reportable metrics, evaluating the impact of the delivery of the pipeline safety message.
- The SAH / SAS implementation strategy is designed to be scalable to reach schools in any demographic area.

**# of SAH Classroom Activity Kits ordered**



# Safe at Home Metrics: 2007-2010 Student Test Scores and Parent Participation Percentages

Data Representing 109 Teachers, 217 Classrooms, 4,582 Students, and 3,794 Participating Parents

Sponsor	School Year	School and City	Teacher	Class Size	Pipeline Safety Pre Test Scores	Pipeline Safety Post Test Scores	Pipeline Earth Science Pre Test Scores	Pipeline Earth Science Post Test Scores	Pipeline Physical Science Pre Test Scores	Pipeline Physical Science Post Test Scores	Parent Signatures
CNP	08-09	James B. Havard Elem, Houston	S. Burton	10	38	80	18	25	14	27	8
CNP	08-09	James B. Havard Elem, Houston	R. Williams	15	76	98	30	31	23	28	15
CNP	08-09	James B. Havard Elem, Houston	B. Olukoga	15	68	102	31	36	18	23	13
CNP	08-09	James B. Havard Elem, Houston	A. Pierce	16	65	101	35	41	21	35	13
CNP	08-09	James B. Havard Elem, Houston	J. Flores	27	94	174	56	54	31	67	25
CNP	08-09	James B. Havard Elem, Houston	D. Weiler	25	101	171	49	57	29	69	20
CNP	09-10	Barber Middle , Dickinson	D. Hedgpeth	31	111	221	51	87	42	75	28
CNP	09-10	Barber Middle , Dickinson	D. Hedgpeth	28	125	189	35	67	39	57	23
CNP	09-10	Barber Middle , Dickinson	D. Hedgpeth	29	122	189	55	76	44	78	25
CNP	09-10	Barber Middle , Dickinson	M. Coylejacobs	28	115	250	54	88	29	110	20
CNP	09-10	Barber Middle , Dickinson	M. Coylejacobs	28	91	209	46	91	31	97	25
CNP	09-10	Barber Middle , Dickinson	M. Coylejacobs	31	125	203	49	70	43	97	26
CNP	09-10	Barber Middle , Dickinson	M. Coylejacobs	30	134	200	63	70	26	100	25
CNP	09-10	Barber Middle , Dickinson	M. Coylejacobs	29	117	210	59	85	48	100	29
CNP	09-10	Barber Middle , Dickinson	D. Hedgpeth	31	178	188	49	69	41	88	28
CNP	09-10	Barber Middle , Dickinson	D. Hedgpeth	27	121	185	48	69	47	75	20
CNP	09-10	J.C. Mitchell Elem, Houston	A. Gomez	18	103	143	36	54	51	72	18
CNP	09-10	J.C. Mitchell Elem, Houston	S. Castaneda	20	61	156	30	55	30	74	20
CNP	09-10	J.C. Mitchell Elem, Houston	J. Maldonado	22	140	185	60	66	65	66	22
CNP	09-10	J.C. Mitchell Elem, Houston	L. Gonzalez	22	125	175	60	66	64	66	22
CNP	09-10	James B. Havard Elem, Houston	B. Olukoga	16	65	124	17	27	19	24	16
CNP	09-10	James B. Havard Elem, Houston	S. Burton	18	11	54	9	17	1	17	18
CNP	09-10	James B. Havard Elem, Houston	R. Williams	19	13	26	17	33	4	14	13
CNP	09-10	James B. Havard Elem, Houston	V. Davis	15	48	109	26	37	15	47	15
CNP	09-10	James B. Havard Elem, Houston	B. Olukoga	17	65	131	31	32	21	46	17
CNP	09-10	James B. Havard Elem, Houston	V. Davis	15	55	109	31	41	20	40	10
CNP	09-10	James H Ross Elem, League City	E. Hutto	27	109	185	46	65	60	86	20
CNP	09-10	James H Ross Elem, League City	E. Hutto	24	95	168	40	60	55	76	23
CNP	09-10	James H Ross Elem, League City	E. Hutto	22	102	188	47	66	61	86	26
CNP	09-10	James H Ross Elem, League City	E. Hutto	28	111	192	38	67	67	88	21
CNP	09-10	James H Ross Elem, League City	E. Hutto	26	105	175	61	72	72	97	25
CNP	09-10	Macario Garcia Elem, Houston	D. Weiler	20	59	128	26	36	18	33	18
CNP	09-10	Macario Garcia Elem, Houston	I. Chairez	22	64	118	20	44	15	49	18
CNP	09-10	Macario Garcia Elem, Houston	J. Hoover	21	44	85	30	45	17	50	21
CNP	09-10	Parr Elem, League City	M. Sutula	24	70	144	36	51	47	90	16
CNP	09-10	Parr Elem, League City	M. Sutula	23	86	153	47	58	49	88	21
CNP	09-10	Parr Elem, League City	M. Sutula	20	75	135	35	45	45	75	18
CNP	08-09	J.C. Mitchell Elem, Houston	J. Martinez	20	83	120	15	22	24	34	18
CNP	08-09	J.C. Mitchell Elem, Houston	A. Rivera-Perez	18	109	141	27	48	51	54	18
CNP	08-09	J.C. Mitchell Elem, Houston	B. Walters	23	32	36	20	45	31	26	20
CNP	08-09	J.C. Mitchell Elem, Houston	S. Munoz	26	74	153	28	48	33	39	21
CNP	08-09	J.C. Mitchell Elem, Houston	S. Castaneda	26	95	197	33	57	39	74	21
CNP	08-09	Westwood Elem, Houston	E. McClendon	14	48	98	22	25	17	40	14
CNP	08-09	Westwood Elem, Houston	E. McClendon	17	49	111	28	33	22	49	17
COP	08-09	Mae Smythe Elem, Houston	D. Sells	19	80	100	70	90	60	80	18
COP	09-10	Mae Smythe Elem, Houston	B. Sherrill	22	44	100	15	58	16	60	20
COP	09-10	Mae Smythe Elem, Houston	D. Sells	20	42	90	50	80	50	70	18
COP	09-10	Mae Smythe Elem, Houston	A. Franks	17	45	94	19	24	14	40	17
COP	09-10	Mae Smythe Elem, Houston	D. De Leon	19	81	158	23	28	33	43	15
COP, EPD, KMP	07-08	B.H. Hamblen Elem, Channelview	S. Slusher	14	54	97	31	35	19	35	14
COP, EPD, KMP	07-08	B.H. Hamblen Elem, Channelview	S. Slusher	16	62	95	25	29	18	31	8
COP, EPD, KMP	07-08	B.H. Hamblen Elem, Channelview	S. Slusher	16	73	98	26	33	22	32	6
CPNO	07-08	Parks Elem, Pasadena	S. Kempf	23	68	122	35	47	21	57	20
CPNO	07-08	Parks Elem, Pasadena	S. Jackson	25	75	134	20	43	39	59	25
CPNO	07-08	Parks Elem, Pasadena	T. Bravo	20	50	82	14	24	18	29	18
CPNO, EPD	07-08	Edna Mae Fielder Elem, Katy	O. Llauger	11	45	70	26	33	17	28	11
CPNO, EPD	07-08	Edna Mae Fielder Elem, Katy	J. Chambers	25	159	175	63	70	86	89	25
CPNO, EPD	07-08	Edna Mae Fielder Elem, Katy	J. Chambers	25	150	173	60	68	65	86	25
CPNO, EPD	08-09	Edna Mae Fielder Elem, Katy	O. Llauger	20	85	189	50	59	29	77	20
CPNO, EPD	09-10	Jo Ella Exley Elem, Katy	K. McKinney	24	135	172	50	69	73	90	20
EPD	07-08	Art & Pat Goforth Elem, League City	L. Cheney	24	162	180	54	63	54	68	22
EPD	07-08	Art & Pat Goforth Elem, League City	P. Manco	23	118	178	60	63	52	77	15
EPD	07-08	Art & Pat Goforth Elem, League City	L. Cheney	24	127	138	56	60	49	60	21
EPD	07-08	Art & Pat Goforth Elem, League City	M. Sutula	21	106	164	52	58	39	59	4
EPD	07-08	Art & Pat Goforth Elem, League City	P. Manco	15	74	124	35	43	29	61	8
EPD	07-08	Mission Bend Elem, Sugar Land	S. Fernaldes	24	121	187	49	79	71	83	22
EPD	07-08	South Shaver Elem, Pasadena	D. Swain	10	48	60	15	25	11	27	5
EPD	07-08	South Shaver Elem, Pasadena	P. Sweeney	19	65	139	21	36	16	45	15
EPD	07-08	South Shaver Elem, Pasadena	A. Chavez	20	53	86	24	27	7	31	12
EPD	07-08	South Shaver Elem, Pasadena	J. Alanis	19	75	100	20	28	17	19	9
EPD	07-08	Williams Elem, Pasadena	R. Downing	22	66	86	28	66	30	88	5

Sponsor	School Year	School and City	Teacher	Class Size	Pipeline Safety Pre Test Scores	Pipeline Safety Post Test Scores	Pipeline Earth Science Pre Test Scores	Pipeline Earth Science Post Test Scores	Pipeline Physical Science Pre Test Scores	Pipeline Physical Science Post Test Scores	Parent Signatures
EPD	08-09	Art & Pat Goforth Elem, League City	L. Cheney	21	86	100	47	50	30	42	8
EPD	08-09	Art & Pat Goforth Elem, League City	L. Cheney	22	114	130	49	50	52	68	11
EPD	08-09	Art & Pat Goforth Elem, League City	P. Manco	24	98	148	44	54	40	75	23
EPD	08-09	Art & Pat Goforth Elem, League City	P. Manco	22	101	171	51	63	28	81	20
EPD	08-09	Art & Pat Goforth Elem, League City	M. Sutula	26	96	177	41	63	40	65	22
EPD	08-09	Art & Pat Goforth Elem, League City	M. Sutula	26	101	171	39	58	42	68	23
EPD	08-09	Art & Pat Goforth Elem, League City	M. Sutula	26	98	186	39	54	34	68	20
EPD	08-09	Jensen Elem, Pasadena	J. Abernathy	18	88	132	41	91	41	47	17
EPD	08-09	Jensen Elem, Pasadena	L. Smith	20	81	152	31	54	46	74	19
EPD	08-09	Mission Glen Elem, Sugar Land	K. Szpet	23	83	162	40	60	31	57	17
EPD	08-09	Mission Glen Elem, Sugar Land	M. McCarty	27	102	159	35	65	33	64	23
EPD	08-09	South Shaver Elem, Pasadena	P. Sweeney	19	77	139	23	44	26	60	18
EPD	08-09	South Shaver Elem, Pasadena	D. Swain	19	75	129	22	33	26	40	16
EPD	08-09	South Shaver Elem, Pasadena	J. Alanis	21	120	139	22	25	14	29	14
EPD	08-09	South Shaver Elem, Pasadena	S. Martin	20	82	152	35	45	42	58	20
EPD	08-09	South Shaver Elem, Pasadena	E. Courtney	26	82	138	44	59	18	72	14
EPD	08-09	Williams Elem, Pasadena	T. Merimon	26	57	118	32	59	36	61	11
EPD	08-09	Williams Elem, Pasadena	R. Downing	23	85	184	38	69	38	92	13
EPD	08-09	Williams Elem, Pasadena	T. Merimon	26	72	174	46	62	68	89	17
EPD	09-10	Art & Pat Goforth Elem, League City	T. McNutt	14	18	76	17	31	28	47	14
EPD	09-10	Art & Pat Goforth Elem, League City	L. Cheney	18	67	112	31	47	37	48	10
EPD	09-10	Art & Pat Goforth Elem, League City	L. Cheney	18	65	128	39	52	30	47	10
EPD	09-10	Art & Pat Goforth Elem, League City	P. Manco	17	81	94	28	33	34	49	11
EPD	09-10	Jensen Elem, Pasadena	L. Smith	22	59	156	48	65	60	72	21
EPD	09-10	Mission Glen Elem, Sugar Land	K. Szpet	23	70	153	42	67	19	89	20
EPD	09-10	South Shaver Elem, Pasadena	D. Swain	18	56	116	25	37	22	41	18
EPD	09-10	South Shaver Elem, Pasadena	P. Sweeney	19	81	134	23	36	21	51	19
EPD	09-10	South Shaver Elem, Pasadena	J. Alanis	19	46	99	8	16	7	14	14
EPD	09-10	South Shaver Elem, Pasadena	N. Hernandez	26	100	168	32	50	45	76	26
EPD	09-10	South Shaver Elem, Pasadena	S. Martin	17	86	114	19	28	33	44	17
ETP	07-08	James Arlie Montgomery Elem, Houston	T. West	25	117	177	36	56	34	76	25
ETP	07-08	James Arlie Montgomery Elem, Houston	U. Manchego	25	75	120	40	57	62	80	1
ETP	08-09	James Arlie Montgomery Elem, Houston	T. West	25	61	153	43	62	51	75	25
ETP	08-09	L E Monahan Elem, Houston	R.McGuire	26	71	142	38	57	45	63	22
ETP	08-09	L E Monahan Elem, Houston	R.McGuire	26	74	112	37	48	46	61	19
ETP	08-09	L E Monahan Elem, Houston	R.McGuire	26	80	110	32	49	54	70	15
ETP	09-10	L E Monahan Elem, Houston	R.McGuire	17	66	119	26	37	23	36	14
XOM, MMP	07-08	Fonwood Elem, Houston	K. Mukerji	22	64	152	22	48	29	70	21
XOM, MMP	07-08	Fonwood Elem, Houston	K. Mukerji	17	52	106	15	21	26	55	16
XOM, MMP	07-08	Fonwood Elem, Houston	K. Mukerji	20	53	97	12	34	24	52	18
XOM, MMP	07-08	Fonwood Elem, Houston	K. Mukerji	18	67	106	21	41	22	47	15
XOM, MMP	07-08	Fonwood Elem, Houston	K. Mukerji	16	35	96	17	43	27	62	16
XOM, MMP	07-08	Fonwood Elem, Houston	K. Mukerji	18	68	130	17	44	33	62	17
XOM	07-08	J.C. Mitchell Elem, Houston	E. Davila	20	12	57	8	15	9	14	17
XOM	07-08	J.C. Mitchell Elem, Houston	J. Martinez	22	105	152	35	36	37	45	22
XOM	07-08	J.C. Mitchell Elem, Houston	A. Gomez	25	108	188	26	54	24	58	23
XOM	07-08	J.C. Mitchell Elem, Houston	A. Davila	25	97	175	32	67	23	63	25
XOM	07-08	J.C. Mitchell Elem, Houston	A. Aimes	26	100	144	33	58	35	54	24
XOM	07-08	J.C. Mitchell Elem, Houston	B. Walters	25	95	180	28	65	45	68	25
XOM	07-08	J.C. Mitchell Elem, Houston	D. Walker	25	82	176	30	70	30	61	22
XOM	07-08	James B. Havard Elem, Houston	T. Benitez	16	44	102	26	56	19	36	10
XOM	07-08	James B. Havard Elem, Houston	T. Benitez	20	56	145	40	65	55	85	14
XOM	07-08	James B. Havard Elem, Houston	R. Williams	15	105	109	31	33	41	45	8
KMP	07-08	Green Valley Elem, Galena Park	B. Barnett	24	85	170	51	68	60	71	16
KMP	07-08	Green Valley Elem, Galena Park	R. Stephenson	24	65	151	23	62	39	78	21
KMP	07-08	Green Valley Elem, Galena Park	D. Phillips	24	60	156	36	60	50	68	19
KMP	07-08	Green Valley Elem, Galena Park	C. Nieto	20	29	160	24	56	31	67	12
KMP	07-08	Green Valley Elem, Galena Park	L. Newman	23	48	159	27	60	40	63	21
KMP	07-08	Green Valley Elem, Galena Park	A. Tamayo	6	11	32	6	18	10	24	6
KMP	07-08	Jewel Askew Elem, Houston	E. Butler	24	85	184	50	51	80	75	16
KMP	07-08	Wilson Elem, Houston	S. Miller	18	85	134	49	69	62	92	10
KMP	07-08	Wilson Elem, Houston	S. Miller	25	96	180	75	101	89	111	15
KMP	08-09	Green Valley Elem, Galena Park	B. Barnett	24	132	190	49	70	70	89	24
KMP	08-09	Green Valley Elem, Galena Park	L. Newman	22	102	170	23	60	65	85	17
KMP	08-09	Green Valley Elem, Galena Park	C. Nieto	26	96	200	43	72	68	98	18
KMP	08-09	Green Valley Elem, Galena Park	C. Phifer	24	124	188	52	70	76	94	22
KMP	08-09	Jacinto City Elem, Galena Park	M.Carpio	17	44	111	27	48	13	48	16
KMP	08-09	Jacinto City Elem, Galena Park	D. Williamson	21	106	136	47	50	44	60	19
KMP	08-09	Jacinto City Elem, Galena Park	S. Gonzales	18	113	127	33	42	40	51	17
KMP	08-09	Jacinto City Elem, Galena Park	L. Alvarado	20	97	101	28	37	34	45	19
KMP	08-09	Jacinto City Elem, Galena Park	Y. Flores	18	48	113	25	41	3	37	18
KMP	08-09	Jacinto City Elem, Galena Park	R. Gamboa	19	76	122	38	43	24	50	15
KMP	08-09	Jacinto City Elem, Galena Park	K. Baine	19	83	152	29	45	21	38	18
KMP	08-09	Jewel Askew Elem, Houston	E. Taylor	24	68	81	45	56	50	65	16

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KMP	08-09	Wilson Elem, Houston	S. Miller	25	100	184	60	75	80	88	25
KMP	08-09	Wilson Elem, Houston	S. Miller	22	98	154	50	63	60	75	22
KMP	08-09	Wilson Elem, Houston	M. Barton	25	92	98	87	97	90	93	20
KMP	08-09	Wilson Elem, Houston	M. Barton	20	67	84	72	81	60	73	15
KMP	08-09	Wilson Elem, Houston	S. Miller	18	92	140	45	59	55	74	18
KMP	08-09	Woodland Acres, Galena Park	R. Ortiz	16	62	113	35	44	26	44	16
KMP	08-09	Woodland Acres, Galena Park	A. Zavala	18	36	138	28	41	17	60	16
KMP	08-09	Woodland Acres, Galena Park	K. Strande	12	37	78	20	22	13	14	12
KMP	08-09	Woodland Acres, Galena Park	N. Vargas	13	39	78	22	24	14	16	13
KMP	09-10	Jacinto City Elem, Galena Park	Y. Flores	18	45	114	15	20	11	34	15
KMP	09-10	Jacinto City Elem, Galena Park	K. Scott	18	82	140	24	52	19	65	18
KMP	09-10	Jacinto City Elem, Galena Park	S. Gonzales	26	88	163	43	74	45	90	20
KMP	09-10	Jacinto City Elem, Galena Park	L. Alvarado	14	35	57	14	18	17	30	14
KMP	09-10	Jacinto City Elem, Galena Park	M.Caprio	15	53	105	23	35	11	52	15
KMP	09-10	Jacinto City Elem, Galena Park	D.Williamson	14	74	109	32	39	28	41	14
KMP	09-10	Jacinto City Elem, Galena Park	K. Baine	15	75	125	31	31	20	44	15
KMP	09-10	Jacinto City Elem, Galena Park	R. Gamboa	15	57	142	28	45	16	55	15
KMP	09-10	Jewel Askew Elem, Houston	E. Taylor	24	76	162	33	64	42	83	11
KMP	09-10	Juan Seguin Elem, Richmond	M. Moreno	20	75	155	26	52	45	71	19
KMP	09-10	Wilson Elem, Houston	M. Barton	20	56	155	40	51	55	72	16
KMP	09-10	Wilson Elem, Houston	S. Miller	26	95	153	55	78	50	70	26
KMP	09-10	Wilson Elem, Houston	S. Miller	26	125	198	58	78	80	97	26
KMP	09-10	Wilson Elem, Houston	S. Miller	26	105	181	42	69	43	75	26
KMP	09-10	Woodland Acres, Galena Park	A.Zavala	20	64	124	28	45	18	51	20
KMP	09-10	Woodland Acres, Galena Park	N. Vargas	14	48	98	29	41	13	50	14
KMP	09-10	Woodland Acres, Galena Park	R. Ortiz	17	68	125	33	46	25	52	17
MMP	07-08	Carroll Academy, Houston	J. Ceccato	17	13	23	18	23	14	22	17
MMP	07-08	Carroll Academy, Houston	P. Rodriguez	21	63	100	33	100	50	100	21
MMP	07-08	Carroll Academy, Houston	V. Reyes	18	10	42	10	24	8	28	18
MMP	08-09	Carroll Academy, Houston	T. Thomas	25	53	117	15	36	18	55	20
MMP	08-09	Carroll Academy, Houston	J. Ceccato	19	95	141	29	50	18	65	19
MMP	08-09	Carroll Academy, Houston	J. Johnston	15	24	140	23	58	22	76	15
MMP	08-09	Carroll Academy, Houston	R. Funston	18	72	126	18	36	36	55	14
MMP	08-09	W.E. Rogers Elem, Houston	N. Lamba	23	67	99	43	55	37	58	3
MMP	08-09	W.E. Rogers Elem, Houston	N. Lamba	24	55	119	45	63	44	79	7
MMP	08-09	W.E. Rogers Elem, Houston	N. Lamba	24	93	105	58	62	54	68	7
MMP	09-10	Carroll Academy, Houston	J. Johnston	16	40	128	24	45	28	60	16
MMP	09-10	Carroll Academy, Houston	J. Ceccato	19	62	145	30	53	20	70	19
MMP	09-10	Carroll Academy, Houston	K. Smith	15	39	106	22	42	24	56	14
MMP	09-10	W.E. Rogers Elem, Houston	N. Lamba	16	58	98	20	35	36	50	13
MMP	09-10	W.E. Rogers Elem, Houston	N. Lamba	21	104	135	33	37	42	57	14
MMP	09-10	W.E. Rogers Elem, Houston	N. Lamba	24	101	133	31	31	47	71	20
EPD	07-08	James H. Law Elem, Houston	D. Walker	26	83	165	34	45	33	44	15
EPD	07-08	James H. Law Elem, Houston	D. Walker	26	99	165	36	52	38	61	14
EPD	07-08	James H. Law Elem, Houston	D. Walker	23	89	151	32	43	31	45	12
EPD	07-08	Kate Bell Elem, Houston	D.Berger	21	105	151	39	48	38	63	20
EPD	07-08	Kate Bell Elem, Houston	B. Adedokun	24	152	220	79	110	190	219	24
EPD	07-08	Kate Bell Elem, Houston	V. Himelright	25	142	165	35	60	53	78	23
EPD	07-08	Kate Bell Elem, Houston	Mrs. Kant	25	88	152	28	56	31	58	25
EPD	07-08	Kate Bell Elem, Houston	Mrs. Kamau	25	102	175	30	59	27	62	25
EPD	07-08	Townwest Elem, Sugar Land	M. Sanchez	20	82	120	39	37	29	55	20
EPD	07-08	West Houston Charter Elem, Houston	P. Stagg	14	58	71	28	24	15	29	8
EPD	08-09	Beneke Elem, Houston	L. Erickson	20	69	154	51	52	40	67	20
EPD	08-09	Beneke Elem, Houston	J. Johnson	16	42	101	29	37	16	41	17
EPD	08-09	Beneke Elem, Houston	M. Fuchs	21	79	159	41	54	27	70	10
EPD	08-09	Beneke Elem, Houston	S. Porea	23	94	160	46	58	36	63	22
EPD	08-09	James H. Law Elem, Houston	D. Walker	24	102	159	19	40	31	49	10
EPD	08-09	James H. Law Elem, Houston	D. Walker	29	116	197	35	56	35	71	27
EPD	08-09	James H. Law Elem, Houston	D. Walker	31	127	197	24	48	28	73	26
EPD	08-09	Kate Bell Elem, Houston	B. Adedokun	22	72	192	100	103	177	198	21
EPD	08-09	Kate Bell Elem, Houston	D. Berger	24	45	131	11	56	38	41	15
EPD	08-09	Townwest Elem, Sugar Land	M. Sanchez	18	8	15	12	18	10	27	15
EPD	08-09	West Houston Charter Elem, Houston	P. Stagg	13	51	115	29	45	34	42	8
EPD	09-10	Beneke Elem, Houston	L. Erickson	15	73	108	28	30	25	46	12
EPD	09-10	James H. Law Elem, Houston	M. Moes	24	110	187	59	63	40	66	24
EPD	09-10	James H. Law Elem, Houston	C. Simon	23	9	37	12	18	10	15	19
EPD	09-10	James H. Law Elem, Houston	B. Bolston	25	57	93	34	41	33	63	22
EPD	09-10	Kate Bell Elem, Houston	M. Lightfoot	25	177	236	115	133	161	193	21
EPD	09-10	Kate Bell Elem, Houston	B. Adedokun	25	145	236	75	122	152	195	22
EPD	09-10	Roosevelt Elem, Houston	K. Brooks	23	89	153	43	55	35	86	13
EPD	09-10	Roosevelt Elem, Houston	K. Brooks	16	49	98	24	41	23	52	15
EPD	09-10	Roosevelt Elem, Houston	K. Brooks	18	89	115	41	51	28	67	11
<b>Average Totals %</b>				<b>21</b>	<b>47%</b>	<b>81%</b>	<b>56%</b>	<b>82%</b>	<b>45%</b>	<b>74%</b>	<b>83%</b>



## Teacher Comments, 2007-2010

### *Are Teachers and Students Interested in Pipeline Safety Education?*

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“My students really enjoyed learning about safety. They now understand that they should NOT use the telephone, cell phone, lamps or flashlights when they suspect there might be a gas leak in their home. They were also amazed to learned that “811” is a “real” number they can call for help when it has to do with gas....My students shared the Safe at Home book with their families and according to them, their parents learned very important information that could save their lives. Safe at Home is a great program to teach our students and our community about the importance of our natural resources and safety.”

*Noelia Vargas,  
Woodland Acres Elementary  
School*

“The Safe at Home program is great for our students. Most of our students knew nothing about Gas and Pipeline Safety before this program and they are now very familiar with what dangers to look out for.”

*Johnie Flores,  
Macario Garcia Elementary*

“I love this program! I have used it for three years now, and my students enjoy all the activities. I moved to a new school this year and we have pipelines near our playground. Once we covered the material the students were very interested to find out what were in the pipelines and wanted to contact the company. We saw signs that indicated Kinder Morgan was the company and the kids quickly recognized the name from the booklet. We are writing letters to the company to find out what exactly is near our school!”

*Melinda Moreno,  
Juan Sequin Elementary School*

“Students have mentioned seeing the signs and posts that identify gas lines and are much more aware of their importance.”

*Mary Sutula,  
Parr Elementary*

“My students thoroughly enjoy learning about pipeline safety. The activities help them better understand the importance and awareness of the hazards of natural gas leaks and what to do in case there is a leak. Thank you very much!”

*Dawn Swain,  
South Shaver Elementary*

“We learned that natural gas is odorless and a smell is added to it to detect any leaks. The following day, one of my students told me that he smelled rotten eggs in his house and it was coming from the kitchen. He helped his family detect a leak and prevented any accidents from happening”

*Ms. Lamba,  
W.E. Rogers Elementary*

“I was amazed by how little knowledge of the uses and dangers of natural gas my students had. This program is very informative and a great deal of knowledge was gained from it. I feel that the children learned much more than the test reflected.”

*Judy Abernathy,  
Jensen Elementary*

“My students really enjoyed this program again and learned a lot from it. I think the information is very valuable. Many students have played in the past with the flags that the utilities companies have placed out, but now understand their importance.”

*Mary Sutula,  
Parr Elementary*

## Teacher Comments, 2007-2010

### *Does the Program Reach Siblings and Parents?*

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“There are many pipelines in the area around our school and the students weren’t even aware of them. Also, many of our students spend a lot of time home alone or supervising younger siblings. It was helpful to provide them with this safety information.”

*Lisa Erickson,  
Beneke Elementary*

“The information in the booklet not only helped students improve in science, but it also taught them and their parents things that they didn’t know before completing this program. Our school is located in predominantly Hispanic neighborhood so this information is very valuable since our community most of the time isn’t aware of certain procedures.”

*Rocio Gamboa,  
Jacinto City Elementary*

“My students really enjoyed learning about fuels and pipeline safety. They were able to understand the concepts using the hands on activities. They felt proud to go home and teach their families safety procedures that not even their parents knew about.”

*Alaide J. Zavala,  
Woodland Acres Elementary*

“I like getting the parents involved. I had my students share their booklet with their parents after we read it in class. Most of my parents read only Spanish so my students had to translate it for their parents. The Spanish version of the Safe at Home Gas Pipeline Safety Checklist was a great help. Thanks again for a wonderful, informative program for children and their parents. Programs like these are very beneficial.”

*Debbie Williamson,  
Jacinto City Elementary*

“My students truly enjoyed the whole project. They had a blast when we did our experiments. They were so engaged that they were sad when the project ended. They also got their parents involved in everything that we did. I had some parents commenting about how excited their child was about what we were learning. As a whole class we could not wait to start our Science lesson. In one of my students own words, It was awesome!!! Thank you!”

*Bertha Sherrill,  
Mae Smythe Elementary*

“The students enjoyed the hands on activities. They were able to go home and evaluate their own home environment for safety precautions and share their new knowledge with their families.”

*Dawn Swain, South Shaver  
Elementary*

“Not only students got interested in reading the booklet but also parents. My students did enjoy and learned with the simple but very informative science activities.”

*Janiz Martinez,  
JC Mitchell Elementary School*

“We really enjoyed the lessons and experiments that Safe at Home provided. My students learned a lot about how to be safe. The students also enjoyed the survey to take home and go over with their parents. It was a great way to get them involved. Thank you very much for these materials and lessons. We really enjoyed it and learned a lot!”

*Korina Scott,  
Jacinto City Elementary School*

## Teacher Comments, 2007-2010

### *Does the Program Provide a Rewarding Teaching Experience?*

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“My students absolutely loved the experiments. They were really excited to learn about pipelines and came back to school ready to share where they’ve seen them. They went home and quizzed their parents too! I hope this keeps them safe. It’s scary to think what would happen if they accidentally dug and bumped into one. I’m glad I could use this to help keep them safe. I used it during reading. I took vocabulary from the booklet, and the students used the context clues to define the unknown words. The experiments motivated them to keep going on with the reading. I want to do this again.”

*JaNae Johnston,  
Carroll Academy*

“Students like Leo’s character and were highly engaged by the story. They enjoyed the activities, specially the physical science with the balloons, and the combustion one. They increased their knowledge demonstrated by the pre-test and post-test. I would recommend it to other teachers.”

*Ursula Manchego, James Arlie  
Montgomery Elementary*

“The students enjoy what we’ve done much more than the textbook lessons used in the past and it sparked some great discussions. Overall there were great learning moments. THANK YOU!”

*Patty Manco, Art & Pat Goforth  
Elementary School*

“This is a fantastic program. The children really responded to Leo and all he said. My students have a much better understanding of Fossil Fuels and where they come from. They also understand the processing of fossil fuels. The most important thing that my students learned was pipeline safety. I was surprised at how much they did not know in the beginning.”

*Ruth Stephenson,  
Green Valley Elementary School*

“Thank you for sending us this program. I truly enjoyed this. I believe that this not only helps me with extra curriculum materials in class, but this information will stay with them until they get older. Thank you for this wonderful incentive that the students could partake in.”

*Myra Moes,  
James H. Law Elementary School*

“Students were really surprised that they didn’t know information that could help them at home in case of an emergency. The program is really helpful!”

*Rosalinda Ortiz, Woodland Acres  
Elementary School*

“This program is really beneficial especially when we are teaching our Natural Resources in the classroom. Thank you for making learning FUN!”

*Brandy Olukoga, James B Havard  
Elementary School*

“The kids loved it! The program is great and the students got excited. I did all of the hands on experiments which supported our science lessons too. The bracelets were very effective and amazingly, the kids really took this matter seriously. I was not sure how they would do.”

*Sharon Fernaldes,  
Mission Bend Elementary*

“My students enjoyed every aspect of the Safe at Home Program. They especially enjoyed the activities. I think that this will stick in their heads a really long time.”

*Treasure West,  
James Arlie Montgomery  
Elementary*

“Thanks again for a great program. Safe at Home provided an excellent teach/review tool for the students before the Science TAKS test! Thank you so much for providing these great resources every year.”

*Jewel Askew Elementary School*

“This was an awesome program. The materials were great and the students loved the workbook. Thanks for providing it for our students. I look forward to participating again next year.”

*Linda Smith,  
Jensen Elementary*

## Teacher Comments, 2007-2010

### *Do the Materials Help Teachers with Curriculum Requirements?*

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“I am happy to note the improvement in my ESL class scores in the pre-tests and post-tests. We were able to do hands-on activities that concretize their basic understanding of fossil fuels, natural gas safety, and the changes that occur over time. The children are now aware of the different aspects of natural gas and other fuels. I am impressed with the materials; they were complete and the instructions were very clear as I followed each lesson.”

*Maria Nemia Carpio,  
Jacinto City Elementary*

“Activities 2-5, 7 & 8 were excellent reviews for states of matter, the characteristics of solid, liquid & gas and physical properties of matter. I found the Earth Science lessons on fossil fuels and their formation helpful with our Earth Science objectives. They loved scratching under Leo’s nose and were surprised to smell natural gas.”

*Kakoli Mukerji,  
Fonwood Elementary School*

“This activity was very helpful for the students. They benefited well on the earth science portion of the state test.”

*Mary Lightfoot,  
Kate Bell Elementary*

“The program reinforces natural resources--explaining what fossil fuels are and how oil and natural gas are formed (fifth grade TEKS) for TAKS. Pages 8 and 9 provide information on solids, liquids, and gases (again fifth grade TEKS for TAKS). Pages 4 and 5 are great for showing and explaining how natural gas gets from the well to the home.

*Debbie Williamson, Jacinto City Elementary*

“Thank you for a well-written, engaging, and to-the-point unit. The student book is fun, the website activities are fun, and the students loved the certificates and wristbands. The page 6 illustration of a land- and sea-based gas wells is the best I’ve seen. Thanks again for an excellent program. I look forward to teaching with it again next year.”

*Jessie Johnson,  
Beneke Elementary*

“There was a lot of growth. After the program was completed as you can see on the number of questions they got correct from the post-test compared to the pre-test. Thanks!”

*Octavio Llauger,  
Edna Mae Fielder Elementary*

“I used the Safe At Home program to teach my students about gas and pipeline safety in the home and in the community. I integrated language arts, social studies and mathematic skills into each lesson. I think that this is a great program because the students learn about gas and pipeline safety and investigate key earth science topics. Also, they enjoyed the student friendly website. It is a helpful resource. Another good thing, it is in English and Spanish. My students increased their scores by an average of 30 points between pre- and post-tests on safety, physical science and Earth science. Thank you for this program.

*Juan Ceccato,  
Carroll Academy*

“My students always enjoy the colorful, easy to read booklet, not to mention the bracelet, the natural gas scratch-n-sniff and of course, the awards certificate! Each year, I look forward to including this curriculum with our energy unit. Thank you for providing my class with these wonderful materials.”

*Maureen Barton,  
Wilson Elementary*

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**Enterprise Product's and ConocoPhillips National Safe at Home Program Test Data, Parental Involvement and Teacher Data (non Reg. 4, TX schools)**

May 23, 2011

City and State	Elementary Schools	Teacher	Class Size	Parent Signatures	Pre-Earth Science Scores	Post-Earth Science Scores	Pre-Physical Science Scores	Post-Physical Science Scores	Pre-Safety Scores	Post-Safety Scores	Teacher Comments
											I would love to participate in this project again this Fall with my new class. My children enjoyed the activities, writing, grammar skills(prepositions), and their favorite was Activity #2: Name the gas! Thanks for providing the necessary materials for each group. Great Program! I will recommend it to my coworkers. Thanks for offering this program to my 4th graders!
Deatsville, AL	Holtville Elementaty School	Brenda Wiggins	25	21	29	58	47	73	69	156	
Northport, AL	Flatwoods Elementary School	Alicia Bynum	25	25	31	60	28	86	82	179	
Northport, AL	Flatwoods Elementary School	Alicia Bynum	26	26	34	67	27	90	115	203	
Northport, AL	Flatwoods Elementary School	Erin Stripling	17	17	43	45	17	64	55	130	
Northport, AL	Flatwoods Elementary School	Erin Stripling	22	22	29	54	31	67	87	149	
Bakersfield, CA	Highland Elementary School	Jan Unfried	31	27	62	82	82	117	179	224	This was a perfect way to end the year--hands-on, high-interest, and very applicable as students begin to think about the summer months, many of whom are without adult supervision for much of the day.
Brownsburg, IN	Cardinal Elementary School	Abby Loe	24	17	31	66	24	83	95	163	The kids loved this program. It was a nice break from our Science book for the kids, and an even nicer change for me, not having to do the same experimentand worksheets.)
Greenwood, IN	Westwood Elementary School	Kristin Poe	22	19	46	64	46	88	137	176	A very neat program with great resources and activities. My students were impressed with the gains they made from pre-assessment to post-assessment.
Church Point, LA	Richard Elementary School	Erica Thibodeaux	19	13	34	34	27	51	95	131	This was a wonderful program that both my students truly enjoyed. They were totally "into" the subject matter, as it is something that we do not normally cover in our science curriculum. Thank you so much for providing many of the supplies needed to complete the activities. It was a big help! Again, thank you so much for everything! This was a wonderful program and my students loved it!
Denham Springs, LA	Southside Elementary School	Kirsten Stevens	22	22	35	53	35	71	78	164	
Lake Charles, LA	Gillis Elementary School	Marla Baldwin	23	21	40	69	28	66	95	155	Loved the kit! The students were so excited about the bracelets. The scratch-n-sniff cards are a wonderful idea. The students and I both learned a lot of useful information about natural gas. The lessons included in the kits went perfectly with our recent topic of study: Earth's Crust, fossils & fossil fuels I found the activities very easy to use and the manual was very teacher friendly. I look forward to using these materials again next year. Thank you for providing us with these materials.
Lake Charles, LA	Gillis Elementary School	Marla Baldwin	23	20	38	60	30	92	110	184	
Lake Charles, LA	Gillis Elementary School	Marla Baldwin	22	19	35	60	22	83	110	171	
Lake Charles, LA	Gillis Elementary School	Marla Baldwin	22	20	40	54	30	80	106	162	
Paulina, LA	St Peter Chanel Interparochial School	Debbie Webb	25	25	38	56	27	60	105	168	My students and I thoroughly enjoyed the program. Thanks for including us.
Farmington, MN	Akin Road Elementary School	Jodi Hansen	27	20	52	61	41	62	140	191	This has been a rewarding program! I learned as much as my students. What a great way to teach science as well as awareness of the pipeline near our school. Thank you for making this available to us. I look forward to teaching this again next fall.
Farmington, MN	Akin Road Elementary School	Matt Kennedy	25	21	54	68	61	92	109	194	I love how the lessons were interactive and hands on for the students. It was very applicable to my class because several students had experienced carbon monoxide leaks in the past few months and their testimony really enhanced the importance of safety. Keep the magazines up-to-date and find ways for more writing opportunities.
Ellisville, MS	South Jones 4-6 Elementary School	Janice Beech	26	16	62	75	97	100	160	198	It was a very good unit of study. The students had fun with it. I also learned some things I did not know. Thanks so much!
Ellisville, MS	South Jones 4-6 Elementary School	Keith Hester	26	19	26	42	52	90	78	92	My students enjoyed this unit. The kids stayed focused and involved in each lesson. They actually asked to start the lesson each day we did it. Thanks again for a great teaching experience.
Ellisville, MS	South Jones 4-6 Elementary School	Keith Hester	26	16	28	46	56	85	92	109	

**Enterprise Product's and ConocoPhillips National Safe at Home Program Test Data, Parental Involvement and Teacher Data (non Reg. 4, TX schools)**

May 23, 2011

City and State	Elementary Schools	Teacher	Class Size	Parent Signatures	Pre-Earth Science Scores	Post-Earth Science Scores	Pre-Physical Science Scores	Post-Physical Science Scores	Pre-Safety Scores	Post-Safety Scores	Teacher Comments
Ellisville, MS	South Jones 4-6 Elementary School	Greta Blackwell	20	20	28	34	23	37	92	121	My class and I were pleased with this program. Class discussions were awesome as well as the questions generated from the materials. The question list lead to research which lead to more learning! I am looking forward to it next year. I feel my students learned valuable information while reviewing skills across the curriculum. Thank you for allowing us to participate. The students which have been exposed to the program are sharing with their peers and an interest is building. I will speak with the other language teachers and share how we used the materials for our language review. Even though we have finished with the materials sent, my students have compiled a list of questions to research after our state testing is completed. We have even discussed going to the lower grades and sharing our knowledge with them during the last of May. If time does not permit it this year, I have a note to do it next year.
Ellisville, MS	South Jones 4-6 Elementary School	Donna Lawson	19	17	35	47	27	45	88	127	
Blair, NE	Blair Arbor Park Middle School	Erin Lane	25	20	42	45	30	60	102	151	I really enjoyed teaching this to my class! The directions were easy to follow and the class was able to comprehend the material. I would like to receive the materials next year and will plan to spend a little more time with it. Thanks!
Blair, NE	Blair Arbor Park Middle School	Judy Ramsey	25	25	43	54	28	54	109	173	My students certainly enjoyed all of the activities in the kit. They learned so much about fossil fuels and how to use them safely. Thank you for the opportunity to use the Safe at Home materials.
Blair, NE	Blair Arbor Park Middle School	Judy Ramsey	26	26	39	53	33	52	99	171	This class enjoyed the activities and materials very much as well. Thank you.
Omaha, NE	Columbian Elementary School	Kathy Vogt	24	21	50	56	33	62	110	178	booklet-kept their attention and was colorful.
Omaha, NE	Columbian Elementary School	Kathy Vogt	22	18	48	53	35	54	123	151	Thank you!
Omaha, NE	Columbian Elementary School	Kathy Vogt	22	18	48	53	35	54	123	151	Safety checklist generated excellent discussion on what students and parents can do to promote safety...many students getting ready to babysit and were interested in how to respond in case of an emergency concerning gas in the home etc. Information fits in well with our science content standards. Thank you!
Dulce, NM	Dulce Elementary School	Sandy Pixley	17	10	16	31	14	45	78	113	
Balko, OK	Balko School	Lee Ann Morris	5	5	3	6	3	11	16	31	Thank you for this interactive curriculum. The reading and hands-on activities balanced each other out well. The students really enjoyed the curriculum, and a few of the students were able to bring in additional information from parents who work in the oil industry.
Cement, OK	Cement Elementary School	Cindy Heston	14	10	15	20	18	28	63	79	They really enjoyed the activities. The students struggled with the test saying mark more than one answer. Those were the questions they missed more of. We enjoyed the story line used to get the information across.
Cement, OK	Cement Elementary School	Lacey Pitts	12	12	18	22	22	30	80	90	Our class was very excited about this material. We did the packet as a whole class group. It was wonderfully packaged as well as teacher friendly.
Colbert, OK	Colbert Eastward Elementary School	Bonnie Taylor	12	10	14	27	14	47	58	85	
Marietta, OK	Greenville Elementary School	Tambre Sanders	15	14	36	42	41	57	72	110	My class loved this project. They were upset when we completed the book and wanted to "do it again". Thank you for offering us this program!
Konawa, OK	Konawa Elementary School	Nita Hasler	19	16	25	31	14	29	81	115	

## Enterprise Product's and ConocoPhillips National Safe at Home Program Test Data, Parental Involvement and Teacher Data (non Reg. 4, TX schools)

May 23, 2011

City and State	Elementary Schools	Teacher	Class Size	Parent Signatures	Pre-Earth Science Scores	Post-Earth Science Scores	Pre-Physical Science Scores	Post-Physical Science Scores	Pre-Safety Scores	Post-Safety Scores	Teacher Comments
Konawa, OK	Konawa Elementary School	Honei Blankenship	16	12	22	31	18	43	71	111	
Konawa, OK	Konawa Elementary School	Barbara Heilaman	20	18	32	42	38	50	75	128	
Randlett, OK	Big Pasture Elementary School	Jackie Gable	13	13	26	26	19	31	59	96	My students really loved this and I feel that it really made them aware of pipelines around us, as several have been pointing them out on bus rides!The set-up (lesson plan book, teachers workbook, etc.), if combined into one single book with each lesson divided would make it easier to teach.
Randlett, OK	Big Pasture Elementary School	Jackie Gable	13	15	30	33	18	42	73	105	
Stonewall, OK	McLish Middle School	Greg Lovelis	22	20	37	45	36	36	114	146	
Terral, OK	Terral Elementary School	Matt Skinner	13	9	24	33	24	46	82	100	My students enjoyed this program very much. They really got into it with all the activities and worksheets they did. I do believe this program has taught them a tremendous amount about natural gas and pipeline safety.
Terral, OK	Terral Elementary School	Kay L. Martin	12	9	17	25	6	28	39	79	This was a very good unit and my students really seemed to enjoy it. They especially loved the activities that we did with it. Really enjoyed it.
Wapanucka, OK	Wapanucka Elementary School	Mary Wingfield	9	9	11	25	9	36	32	99	My children loved this program. They enjoyed all the experiments and said they taught their parents some things that they weren't aware of also. Thank you!
Anna, TX	Sue E Rattan Elementary School	Cristy Wood	22	22	37	43	36	68	75	166	My class really enjoyed using the Safe At Home Kit in class. They loved the hands-on activities and reading the booklet. It was a nice way to refresh skills that had been taught earlier in the year, and a fun way to wind down the school year. Thanks!
Carthage, TX	Baker Koonce Intermediate Elementary School	Kaye Deaton	18	18	27	30	23	32	46	109	The book was a great way for 5th graders to stay on task with the reading material. The activities involved all subject areas. The hands on activities were fun and engaging. They loved receiving a bracelet when finished with the project.
Carthage, TX	Baker Koonce Intermediate Elementary School	Jessica Burnett	20	9	19	47	50	65	118	149	
Carthage, TX	Baker Koonce Intermediate Elementary School	Jessica Burnett	15	8	24	33	13	24	53	99	
Jacksboro, TX	Jacksboro Elementary School	Candy Jones	15	15	27	38	18	44	70	104	
Jacksboro, TX	Jacksboro Elementary School	Candy Jones	13	12	22	33	16	40	52	86	
Jacksboro, TX	Jacksboro Elementary School	Candy Jones	13	12	21	31	14	39	62	89	
Jacksboro, TX	Jacksboro Elementary School	Candy Jones	13	13	20	30	14	35	54	88	
Jacksboro, TX	Jacksboro Elementary School	Candy Jones	12	12	19	30	12	33	50	76	
Nevada, TX	Carylene McClendon Elementary	Heather Pullen	13	9	26	29	20	24	58	75	The kids really enjoyed it and I learned a lot too!
Nevada, TX	Carylene McClendon Elementary	Heather Pullen	18	12	39	40	27	42	89	113	
Nevada, TX	Carylene McClendon Elementary	Lisa Lee	16	11	35	36	31	41	80	117	
Nevada, TX	Carylene McClendon Elementary	Lisa Lee	13	9	27	30	27	28	52	83	
Wortham, TX	Wortham Elementary School	Carol Thompson	15	15	41	41	22	43	77	114	We thoroughly enjoyed the program! It was a wonderful support to our 5th grade curriculum and very practical to their life experiences!
Wortham, TX	Wortham Elementary School	Carol Thompson	16	14	39	35	37	40	77	120	
Wortham, TX	Wortham Elementary School	Carol Thompson	16	13	30	31	38	44	71	108	
<b>Average Totals %</b>			<b>19</b>	<b>85%</b>	<b>56%</b>	<b>76%</b>	<b>39%</b>	<b>70%</b>	<b>56%</b>	<b>86%</b>	

Parent Participation:  
85%

Earth Science Learning Totals:  
Pre 56%  
Post 76%

Physical Science Learning Totals:  
Pre 39%  
Post 72%

Safety Learning Totals:  
Pre 56%  
Post 86%