	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3		**State Pipeline Safety Initiatives that Exceed Federal Code**	ALABAMA	ARIZONA	ARKANSAS PSC	ARKANSAS OIL & GAS	CALIFORNIA PUC	CALIFORNIA SFM	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	PUERTO RICO	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	Number of Intitiatives in Subcategory	Number of States with Intitiatives in Subcategory
4		**Number of State Initiatives**	**5**	**34**	**53**	**5**	**32**	**9**	**10**	**46**	**19**	**4**	**50**	**13**	**6**	**12**	**22**	**13**	**52**	**19**	**8**	**74**	**12**	**52**	**71**	**30**	**6**	**55**	**0**	**3**	**7**	**117**	**51**	**8**	**64**	**17**	**0**	**16**	**8**	**9**	**15**	**0**	**21**	**19**	**0**	**11**	**50**	**0**	**8**	**62**	**70**	**5**	**75**	**13**	**1361**	
5		***Enhanced Reporting***																																																					***308***	
6		Incident reporting criteria - lower property damage threshold		2	1		1				1		1					1		1					1			1			1	1	1	1		1			1	1								1	1	1			1	23	22
7		Incident reporting criteria - one hour or two hour notification, <30 day reporting, supplemental incident reports specified within required timeframe							1	1	2		1	2							2	1						1		1		1					1	1										2			1	18	14
8		Incident reporting criteria - significant media coverage		1			1	1									1								1							1			1														1				8	8
9		Incident reporting criteria - bodily injury includes outpatient treatment, specified interruption of gas is "service failure" and is considered an incident		1	1																																1															3	3
10		Expanded Incident reporting criteria - includes any pipeline > 100 ppm H2S; any carbon monoxide related events, over pressuring pipeline, fire not caused by operator, transmission shutdown, failure to serve master meter ops, > 5 gallons release of Haz liquid		6	1															1						1				1					1														1				12	7
11		Additional reporting rqmts - non-incident including: safety related conditions, 3rd party damage reporting , unplanned interruptions, safety index report, building evacuations, major main failures, transmission failures, list of master meter operators served, suspicious acts, status of condition of pipe and shared with municipalities served, annual organizational chart, annual report for master meters, report of any unplanned gas ignition, outages at public facilities, security breaches, curtailment plans, LPG systems in public places and serving >10 Units, calculations to determine LAUF gas annually, emergency plans must identify Mutual Assistance Agreements, proxmity of pipelines to schools, report on customer meter surveillance program		2	1	1	4	1	2	4				1	1	2		2	4		5		1	1	2	1	2				1	7	1	3	1		2	1		1						1	3		1	2	8			2	71	32
12		Require reports of outages of >specified number of customers, require report for > specified outage durations, Pressure Complaints (too low/too high)							1				1				1	1		1		2				1					1	2	1		1	1				1	1					1				1		1	1	22	20
13		Periodic leak status reports			1					4												1						1				3	2														1			2					15	8
14		Inspection Progress Reports for Regulator Stations, Emergency Valves, Intrastate Pipeline Valve Location Plan, Franchise Area Map					1			2																										1																		4	3
15		Cast Iron/Bare Steel Replacement Reporting								2									1							1		1				1																								6	5
16		Plastic pipe inventory, Plastic failure reporting, Construction Defect Failure Reporting																				1				1						1																					1			4	4
17		Electronic Access to Most Current O&M, Procedures, OQ																								1						1																								2	2
18		Operation & Maintenance Plans must be filed/approved	1	1	1					1	1					1	1		1			1			1	1		1				1	1	1	1										1					1	1	1	1		21	21
19		Emergency Response Plans must be filed/approved	1	1						1							1		1			1		3		1		1				1	1												1					1		1			16	14
20		Public Awareness Plans must be filed/approved															1					1						1				1																				1				4	4
21		Operator Qualification Plan must be filed/approved																				1						1				1																				2				5	4
22		Quality Assurance Plan must be filed/approved																				1										1																								2	2
23		Integrity Management Plan must be filed/approved																				1						1				1																					1				4	4
24		Construction Standards must be filed/approved											1									1				1		1																										1				5	5
25		Damage Prevention Plan must be filed/approved																				1						1																														2	2
26		Provide Contact List for emergencies to Safety Inspectors, for resolving and providing situational awareness regarding service Interruptions, OP IDs required for non utilitiies				1					1												1	1		1						1				1		1			1			1		1		1			1		1			14	14
27		Reporting of Response Times Emergency/Odor Complaints/Leaks, insufficient odorization level																	1							1		1				3			1										1										8	6
28		Annual Report for Operation and Maintenance Activity Hours, Aging Workforce Succession Report								1												1										1																								3	3
29		Pressure Test (Strength Test) Report with Certification of Pipeline, comprehensive implementation plan for all segments that were not previously tested					1																									1	1																						3	3
30		Any record of required tests, summaries that Commission requests, Annual Reporting of List of Welders and Certification of Welders								1																																				1										2	2
31		Requires notification of change of ownership, merger, acquisition								2												1				1						1						1																			5	4
32		Projects, Extensions, Improvements to Capital of Gas Utility		1		1	1										1		1		2	1		1		1	1				2			1	1					1						3			1	2		2	2	26	19
33		***More Direct Oversight***																																																					***84***	
34		Definition of Operator Expanded includes: pipeline operators that contain >100 ppm H2S, H2S operators must use NACE Standard MR-0175-99 and API RP55 -95.		1	1																																																			2	2
35		More direct oversight of construction activities (or reports to allow same)	1						1	2				1					1	1		1	1			1					1	1	1		1		1		1			1						1	1	2				24	22
36		Definitions expanded for "transport", "persons", "operator", "master meter", "state", "distribution system", "LPG distribution system", "low pressure distribution system", "master meter system" "Corrosion", "Customer", "Hoop stress", "Leak", "Leakage survey", "Pressure", "Sour gas", "System", "Vault" "feeder line" "high pressure distribution", "yard line", "CGI", "sustained reading", "follow up inspection", "private line","major project", "roadway", "production facility" "significant event" "leak repair rate"		1	1		1		1				1	1								1	1				1																				2									11	10
37		Requires Lab Exams for Investigating Failures, Cooperation for Investigations Required		1																																1																			2	2
38		More direct oversight of testing (>100 psi) (or reports to allow same)																		1												1		1																				1			4	4
39		Certificate Required for Operations or Certain New Construction			2																										1		1													1									6	5
40		Emergency Procedures must recognize sour gas safety precautions including educating public, Emergency Program requires annual meeting with Emergency Responders on Emergency Procedure					1	1																		2																				1									5	4

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3		**State Pipeline Safety Initiatives that Exceed Federal Code**	ALABAMA	ARIZONA	ARKANSAS PSC	ARKANSAS OIL & GAS	CALIFORNIA PUC	CALIFORNIA SFM	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	PUERTO RICO	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	Number of Intitiatives in Subcategory	Number of States with Intitiatives in Subcategory
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41		Require Inspections of outside construction crews (quality assurance), requires quality assurance plan, Limits span of control for oversight of outside contractors crews, Notice to State Safety Staff of consultants doing routine work to allow closer oversight, Visual Weld Inspectors must be previously identified in writing, Service Lines install by external contractors must be certified to meet State Requirments			2					1	1		1						2			2				1							4	2																					16	9
42		Amendments of OQ, O&M plans required after incidents, AOC discovered, emergency repairs made, require OQ and O&M plans on sight during construction, O&M must include any recommendation of state regulator, soft off requirements, management of change, conduct 3rd party audit, centralized maintenance tracking, require quality assurance but not reporting					1		1		1						1																															2	5				11	6
43		Advisory Bulletins must be incorporated into action plans, reduction program for LAUF gas annually, Conversion procedures required from non regulated to regulated operator							1				1																												1														3	3
44		***Valves***																																																						***47***	
45		Valve Box Criteria (accessiblity,non transmittal of external loads, free of debris)																				2		2								1																							1		6	4
46		Blow-down valve requirements for mains, Sectionalizing block valves requirement for sour gas pipelines, Bypass Valves must be sealed and locked											1												1																													1		3	3
47		Emergency Valves must be accessible at all times, repair requirements of inoperable valves											1									1						1				2																								5	4
48		Emergency valve program, selection criterion for service valves, selection criterion for critical valves, enhanced inspection, annual drill on operating emergency valves, emergency valves inspected every 6 months for sour gas, specified design requirements for sour gas, valve program for airports, notification of valve quantity variance											1									1			2			1				5	1		2																2				15	8
49		Buried Curb Valves required on all high pressure service lines at places of public assembly, installation of curb valve when repair excavation is made																					1	2									1			1																					4	3
50		Curb Valves must be inspected annually at places of assembly, public assembly places require outside valve, Non Emergency Valves must be inspected every 5 years																				1														1													1					1		4	4
51		Service shut-off valve criteria, Check valve required for certain services											1				1						1	1	1											1																	1		1		7	7
52		Periodic service must include partial stroke																							1	1		1																												3	3
53		***Pressure Testing***																																																						***32***	
54		Additional requirements for Uprating for determining MAOP, testing within bulk loading facility				1		1					1						1			1		4				1								3																	1				14	9
55		Requires test pressure for transmission pipelines be maintained for a period of 24hrs, requires specified time period for pressure testing, requires independent witness of test, increased frequency, requires hydrotest or replacement of all intrastate transmission pipelines (no grandfathering) , requires calibrated insturments for pressure testing					1	2																4	1								1																						9	5
56		Requires Pressure Testing to more than 50% for certain operating pressures or more stringent minimums, All service lines must be pressure tested to at least 90 psig, No Pressure Testing allowed against a live operational valve															1		1					1	2											1																	3		9	6
57		***Operating Pressure***																																																						***35***	
58		More restrictive limits on operating pressure, Max actual operating pressure must be < MAOP (cannot equal), Tag/post pressure reliefs with setpoint and downstream MAOP			2						1					1				2						1		1	1		2	1		1							1		1							1		3		19	14
59		Multiple Pressure Recording Devices required per system, Recording device needs to be portable, Meters cannot be operated above specified % of pressure test									1																																			1									2	2
60		Add 'l reqmts for overpressure protection, more frequent inspection cycles, District Regulator Stations required to be inspected monthly by operator	1						1																1			1				1			2							1												8	7
61		Max pressure limit on cast iron pipe																							1																													1		2	2
62		Must notify if low-pressure system exceeds 0.5 psi																														1			2																	1		4	3
63		***Damage Prevention***																																																						***54***	
64		Enhanced damage prevention requirements for pipeline operators such as: can only be member of single or specified One Call Ctr, must oversee all transmission line excavations and document all findings, extending trainining to local community colleges, pilot new technologies, transmission line and certain deistribution line require enhanced marking and indentification at specific locations, must monitor all excavations of sour gas								2				1												1	1							1																2		3		11	7
65		Identification tape above trench-installed							1	1												1	1		1							2																								7	6
66		Tracer wire requirements, RFID Electronic ball requirements		1									1									1										1										1											1		1		7	7
67		Enhanced public notification and identification rqmts, screening process for one call ticket to reduce structures built on gas facilities																							1			1																										3				5	3
68		Enforcement authority															1		1			1		1		1						1	1									1														9	9
69		Geohazard program, enhanced frequency of ROW inspection, Damage prevention performance limits in rates																																		1						1												2				4	3
70		Some CGA best practices required												2					1			1																																				4	3
71		Locators to be knowledgeable of Trenchless Technology Techniques, Incorporate Trenchless techniques into procedures, Trenchless installations per GPTC Appendix G-192-6																				2				1																													2				5	3

State Pipeline Safety Initiatives that Exceed Federal Code

		ALABAMA	ARIZONA	ARKANSAS PSC	ARKANSAS OIL & GAS	CALIFORNIA PUC	CALIFORNIA SFM	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	PUERTO RICO	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	Number of Intitiatives in Subcategory	Number of States with Intitiatives in Subcategory
4	**Number of State Initiatives**	5	34	53	5	32	9	10	46	19	4	50	13	6	12	22	13	52	19	8	74	12	52	71	30	6	55	0	3	7	117	51	8	64	17	0	16	8	9	15	0	21	19	0	11	50	0	8	62	70	5	75	13	1361	
72	Locators to Trained to a minimum requirement (NULCA or equiv), Limits Locators to in house (no outside contractors)																														2																								2	1
73	***Training/Quals (not including OQ)***																																																							***11***	
74	Certification/extra training/including more frequent for polyethylene/plastic			1																	1																																			2	2
75	Leak Surveys need Trained Personnel regarding equipment and Classification Procedures, Training Required for External First Responders, for all opeartions of sour gas including employee safety, for Flow Reduction or Flow Interruption during Emergency, and for Vegetation Management Leak Surveys			1														1						1								1																1					5	5
76	Exams/training rqmts for system managers, enhanced training program required, Written Emergency Plan must have provisions for installation and blasting that include PPE for workers and knowledge of state damage prev laws												1		1											1									1																					4	4
77	***Operator Qualification***																																																							***10***	
78	covered task must include SCADA and telemetry, covered task must include customer meter surveillance																										1				1																			2					4	3
79	OQ evaluation must include training, Additonal Requirements for OQ Traniners and Evaluators																										2																												2	1
80	OQ extended to cover construction											1																			1																			1	1				4	4
81	***Meter Location/Protection***																																																							***36***	
82	Meters/regulators must be outside (unless impractical)																							1										1											1											3	3
83	Physical protection for meters														1										1							1		1																1	1				6	6
84	Residential services must be near bldg walls; no downstream buried pipe except outdoor services, Relocating meters from property line to building wall								1						1						1	2									1																				1					7	6
85	Customer Meters must be protected from snow and ice damage, other hazards														1	1					1				1						2																									6	5
86	Master Meters no longer allowed			1		1			1			1					1				1										1	1		1																						9	9
87	Meters must be replaced every 10 years, 7 years																						1									1																								2	2
88	Operator responsible for service lines regardless of meter location																				1						1				1																									3	3
89	***Odorant***																																																						***40***	
90	Increased testing frequency of odorant			1					1			1						1	1	1	1						2				1	1																2				1				14	12
91	Odorant tests locations specified at furtherest point from source			1																1											2																				1					5	4
92	Lower limit for odorant, Limit for odorant throughout system																	1				1	1									1		1																							5	5
93	All intrastate lines must be odorized, Odorant requirment for transmission line											1															1																													3	3
94	Prompt action for insufficient odorization																1														1			1																							4	4
95	Equipment requirements																														1	1																1								3	3
96	Farm tap requirements			1																																														1							2	2
97	More specific reporting																															1																						1			2	2
98	Increased testing requirements of Odorant for Master Meter Operators			1														1																																							2	2
99	***Leak Tests***																																																						***82***	
100	Define Business District, Define Impractical to survey, Define High Occupancy Structure														1		1				1		1								1																					2				7	6
101	Additional surveys for Public Buildings inside and out, additional surveys for mains on structures (bridges)					1			1									1			1		1								2																						1			7	6
102	Enhanced Leak test requirements services- frequency, Enhanced Leak test requirements mains- frequency, GPS required with leak investigation techniques								1									1					1				1																								1	2		3		11	8
103	Enhanced Leak test requirements mains: -requires higher frequency, apply to Master Meter Operators, apply to LPG Operators, maps identifying business districts used for leak surveys			2														1			1	1	2	1							1																						2			11	8
104	Increased patrol frequency for mains/feeders, Risk-based model for survey frequency																	1						2			1																									1				5	4
105	Leak check for customer lines (on startup)			1											1	1	1					1		1																															1			7	7
106	Flame ionization surveys of bare steel mains if electrical survey impractical (defined)																	1																1																							2	2
107	Leak Test Procedure must ensure discovery of leaks, Vegetation Surveys prohibited as leak survey for all pipelines, qc plan for leak surveys			1																							1																								1			1		5	5
108	Additional Leak Test on Services after 3rd Party Damage																										1																									1			2	2
109	Additional Leak Test required where 3rd Party Excavations near pipeline such as under pavement, road substructures																																																						2			2	1
110	Enhanced leak test rqmts - pressure/duration			1			1																	1																																	3	3
111	Additional surveys - cast iron (winter and non winter), required for new, repaired or replaced pipeline after backfilling								1									2			1										1													1										1		1		8	7
112	Acceptable test equipment specified and calibration requirements			2								1						1			1	1	1									1																								1		9	8
113	Repair all leaks found in uprating tests, permanent repairs of hazardous leaks, Test and repair all leaks before operating >30% SMYS																						1	2																																	3	2
114	***Response to Leaks***																																																						***57***	
115	Classification/repair rqmts for leaks, Address class B or Class 2 more frequently		1	2		1					1	1	1			1		1	1		1			3			1				2	1	1	1			1							1		1	1			1				25	21

State Pipeline Safety Initiatives that Exceed Federal Code

		ALABAMA	ARIZONA	ARKANSAS PSC	ARKANSAS OIL & GAS	CALIFORNIA PUC	CALIFORNIA SFM	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	PUERTO RICO	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	Number of Intitiatives in Subcategory	Number of States with Intitiatives in Subcategory
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116	All leaks treated as emergency, Class 1 Leaks require notification to local Fire Dept											1					1				1			1								1		1	1										1				1				9	9
117	All leaks treated as failure including root cause determination																																																				0	0
118	Specified Time Frame to respond to reports of leaks			2					1							1	1	1													1			1								1				1							10	9
119	Leak inventory limits								1																						1			1																		3	3
120	Upgrading/Downgrading of Leaks Prohibited or Restricted																				1						1				2			1															1				6	5
121	After Repair of Leaks Post Survey Required																				1										2			1																			4	3
122	***Replacement Programs***																																																				***61***	
123	Cast/bare steel replacement programs (rate relief), State regulation requires replacing CI and limits new installation of CI			1					1				1			1		1			1		1	1							1						1				1	1												14	14
124	CI/bare steel/copper replacement program (no rate adder)																							1	1		1				1	2												1				2					9	7
125	CI replacment when encroched by outside construction activities																						1				2				1			2																			6	4
126	Risk-based plan for pipe replacement, Service Replacement resulting from low pressure, flow restrictions, freezing, Replace mains that have been subject to flooding or obsolete regulators, replace facilities under buildings														1									1			1			1				1								1						1					6	6
127	Replacement program for Sour Gas Segments and Remedial Measures																							3																														3	1
128	Fitting Replacement Program or requirements																																												3							3	1
129	Mandated Accelerated main replacement resulting from inadequate system pressure levels or other customer complaints or minimum wall thickness																	1						1																														2	2
130	Plastic replacement program - response to issues																1	1							1		1																												4	4
131	Entire CI/bare steel replacement completed for one or more operators															1		1									1																										1		1		5	5
132	Relocate/Replace Inside Meters to Outside Meters																				1			1	1																														4	4
133	Set Criteria for Encapsalation of Joint Leaks as Repair Method, Cast Iron sampling rqmt with replace criteria																	1						1																				1											3	3
134	Replacing customer-owned yard lines and private lines from master meters																	1												1																								2	2
135	***Authority Beyond OPS (not rate)***																																																				***45***	
136	Authority to order change in public interest, assessments, compliance with state statutes, inferior components of affiliate company not allowed, maintain liasison with public works directors		1			1			4	1		1				1							1																															10	7
137	Encourage safety enhancement through rate cases								1									1			1										1						1				1		1							1				8	8
138	Red Tag/Reconnect Service Procedure required for customer appliances, NFPA 54 conformance required before gas provided								1			1									1													1	1			1				1			1							3		11	9
139	Sour Gas Scope and Authority																							2																															2	1
140	All pipelines in State Waters (off shore) subject to regulations. Certain interstate operators subject to State Safety Regs																						1												1										2									4	3
141	Gathering Line Rquirements for Type A, B, C, Gathering Lines not subject to 192 must report incidents, Gathering Lines are from first point of measurement,							1								1								1											3	1							2									8	5
142	Requires Assistance from non operators in disseminating public awareness plans and materials, Modify State building code to prevent pipeline and sewer interference												1																																				1				2	2
143	***Extending LDC Responsibility***																																																				***25***	
144	Public Awareness Plans must include messages to end use customers of customer responsibilities for downstream piping and appliances and reporting gas leaks, notifications to customers relocating within operators districts, Operator required to respond to other operator emergencies if in same county									1			1								1	1					2					1																					7	6
145	Jurisdiction extended beyond meter														1									1																											1				3	3
146	Extended LDC responsibility for service lines or master meter operations, New Master Meter Operator System must be reviewed/certified by LDC			1										1	1												1							1			1				1				1			1			1			10	10
147	Maintenance responsibility for buried customer lines															1		1																1																					3	3
148	Operator owns service lines regardless of meter location																							1											1					1															2	2
149	***External/Internal Corrosion***																																																				***12***	
150	Sour Gas Analysis and Monitoring Intervals				1																			2																														3	2
151	Pipe-Type & Bottle-Type Holders: Plan For Inspection and Testing					4													1																																				5	2
152	90 days to remediate											1								1											1																								4	4
153	***Cathodic Protection***																																																				***43***	
154	Enhanced CP criteria, repair times, specific cathodic protection requirements		1						1			10						2									2							1											8		4	1		1		31	10
155	Corrosive environment presumed																	1																													1							2	2
156	Corrosive Gas defined, active corrosion deinition include deterioratin of pipe, periodic reports specified or defined																															1														2							3	2
157	Requirements for Cathodic Protection near Power Transmission Lines, Bare Steel Services must have Close Interval Survey																	1																																					1	1
158	Shorter Intervals for Cathodic Protection Testing, Readings req'd on all exposed pipe uncoated																	1									1					1		1											1			1					6	6
159	***Design/Install Requirements***																																																				***189***	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3		**State Pipeline Safety Initiatives that Exceed Federal Code**	ALABAMA	ARIZONA	ARKANSAS PSC	ARKANSAS OIL & GAS	CALIFORNIA PUC	CALIFORNIA SFM	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	PUERTO RICO	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	Number of Intitiatives in Subcategory	Number of States with Intitiatives in Subcategory
4		**Number of State Initiatives**	**5**	**34**	**53**	**5**	**32**	**9**	**10**	**46**	**19**	**4**	**50**	**13**	**6**	**12**	**22**	**13**	**52**	**19**	**8**	**74**	**12**	**52**	**71**	**30**	**6**	**55**	**0**	**3**	**7**	**117**	**51**	**8**	**64**	**17**	**0**	**16**	**8**	**9**	**15**	**0**	**21**	**19**	**0**	**11**	**50**	**0**	**8**	**62**	**70**	**5**	**75**	**13**	**1361**	
160		Gas Compressor Stations Start Up/Shut Down Procedures and Maintenace Porcedures, gas compressor station fuel storage requirements, gas compressor station design requirments																		2					1																													2		5	3
161		Purging Restrictions in confined space, purging procedure for sour gas, purging per AGA PPP 2001																							1							1																					1		3	3
162		More restrictive joint requirements, copper joints require specific joining and material requirments			4																	1			1																													2		8	4
163		Specified welding standards, welder qualifications, weld inspections		1									2											2	6							5	1		3																	1		21	8
164		Calibrated equipment required to inspect for coating damage prior to install, equipment accuracy requirements for pressure and flow																														2	1			1																		4	3
165		Only 0.32 design factor allowed for plastic (not 0.40), design limitations thermoplastic wall thickness																				1		1																															2	2
166		Above ground transmission pipeline is prohibited for class 2,3,4 locations, sour gas pipelines prohibited from Class 3 or 4 unless authorized																	1						1																															2	2
167		Installation requirements for plastic pipe, all plastic fittings must meet ASTM D2513 Category 1, ASTM D2513 1995 edition for temps greater than 100 Deg, fusion machines must be GPS and barcode capable		3	5								1																						1										1				2					13	6
168		New pipe only steel and polyethylene, steel for any pressure >100 psi, bedding and backfill requirements, specifed material considerations for steel pipe, Restriction on Cast Iron Installations less than 4" diameter mains		2						1		1																1																								1		4		10	6
169		40" or 48" depth of cover in agricultural areas, sour gas pipelines																1							1										1																				3	3
170		Mains in public ROW must have 36 in cover, 30 in cover, shallow mains requires state approval, remediate shallow mains																				1		3									1																1					6	4
171		Services in public ROW must have 30 in cover, all services must have 18 in cover, More Specific Farm Tap Requirments																		1		1										1	1																						4	4
172		Interstate Pipelines including services must have > 24 in cover																				1											1																						2	2
173		Requires gas pipelines to cross over rather than under for interfering facilities, installation requirements for continous bedding and avoiding kinking and permanent bending, steel pipe installation restircions to limit gouges																				1										2																					3		6	3
174		All Regulators including service regulators must be vented outside, breather type vents on service regulators above flooding potential, vents require weather proof heads with cross sectional area specified			1																																														3		4	2
175		Service Regulators cannot supply more than 2 psig to customers, service regulators to be inspected upon meter changeout, service regulators must be 3 ft from source ignition, dispersion testing program service regulator must prevent overpressurization, Service Regulators cannot be direct buried		1						2												1									1																		1				1		7	6
176		Specified separation from buried electric lines (12 inch, 8 inch), 48 inch separation for sour gas, 12" separation or other precautions for plastic (some states 6" separation)		1						1								1				1			1							1	1		2						1										1	1		1		13	12
177		Trans. Rqmts apply to all pipe >125 psi in class 3 or 4, all pipelines must meet Class 3 or 4 requirements, all transmission lines must be classified as Class 3 or 4 regardless of location, all sour gas pipelines designed to Class 4 (0.40 factor). More restricve design factors used for liquid pipelines by class location																			1	1											1		1																	1		6	6
178		Mains with MAOP > 200 psig or 125 psig or 250 psig) must meet enhanced design, construction and maintenance requirements																			1												1																			1		3	3
179		Inlet **AND** outlet valves at distribution regulator stations or specified distances from the station, vault design requirements								1			1									2						1							1																		3		9	6
180		Adequate over pressure protection required at town border stations and district regulating stations including if pre 1971 installation, relief valve at underground storage field, District Reg Station Fencing Requirements, Vault Requirements																							2			1																							1				4	3
181		Over Pressure Protection System, Break out Tank Requirements, revise heater requirement at regulator station																										1				1																		1	1		1		5	5
182		Directional Drilling requirements, construction requirements to avoid gas/air explosive mixture																							1							1																		1			1		4	4
183		Identification of facilities required: multiservice installations, meters, district regulator stations, above ground installations											2																			2																							4	2
184		Telemetry required at regulator stations serving specified quantity of customers																														1																				1		1		3	3
185		Casings prohibited on metal pipelines, casing requirements preventing shearing, GI-91/0285 Guidelines for Pipelines Crossing Rails and Highways when no casing is used, casing design, API 1102 incorporated											1											4																													3		8	3
186		Does not allow gas lines, haz liq lines under buildings, no concealed copper services and fitting restictions on copper services		1									1																			1																		2			2		7	5
187		Location restrictions for higher-pressure systems, pipelines must consider overhead electric transmission influence, high consequence areas and easements of hazardous liquid pipeline must be clear of all encroached structures					2	1																			1									1																	1		6	5
188		Expanded Incorporation By Reference for Acceptable Engineering Standards: NFPA54 most recent edition, NFPA 59 most recent edition, NBS Method of Gas Testing, NBS Testing Lg Cap Rot Meters, AGA No.3 Orifice Metering, WV Short Course on Practical Methods, National Association of Corrosion Engineers International Standard NACE MR0175/ISO 15156, 2004-2007, Orifice Metering Constructed/Maintained per AGA GMC Rpt #3																							1												1						1			2	1								6	5
189		No buried galvanized or aluminum pipe		1									1																																										2	2

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3		**State Pipeline Safety Initiatives that Exceed Federal Code**	ALABAMA	ARIZONA	ARKANSAS PSC	ARKANSAS OIL & GAS	CALIFORNIA PUC	CALIFORNIA SFM	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	PUERTO RICO	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	Number of Intitiatives in Subcategory	Number of States with Intitiatives in Subcategory
4		**Number of State Initiatives**	**5**	**34**	**53**	**5**	**32**	**9**	**10**	**46**	**19**	**4**	**50**	**13**	**6**	**12**	**22**	**13**	**52**	**19**	**8**	**74**	**12**	**52**	**71**	**30**	**6**	**55**	**0**	**3**	**7**	**117**	**51**	**8**	**64**	**17**	**0**	**16**	**8**	**9**	**15**	**0**	**21**	**19**	**0**	**11**	**50**	**0**	**8**	**62**	**70**	**5**	**75**	**13**	**1361**	
190		Specific Design Requirements for Pipe Type Holders and Bottle Holders					6																																													1		7	2
191		Specifies restoration of agricultural land after installation occurs, protective coating of steel services when boring through rocky soils																1																																		1		2	2
192		***Risk-based approaches***																																																				***19***	
193		requires automated platform to capture high quality and accurate facility data, Requires customer meter surveillance program with DIMP																																																2				2	1
194		Inline inspections required to reveal cross bore of sewer laterals																								1																									2				3	2
195		Base line and trending of cast iron and bares steel, non hazardous leaks																																															2				4	2
196		Operators required to perform integrity assessments of entire line section, temporary and permanent repairs based on inspections to reveal defects, gouges, dents or leaks, requires operator determination of plant replacement based on operator inspections, risk based alternatives approaches for pressure testing not allowed on liquid lines, liquidlines leak detection for integrity performed under specified flow conditions																			1																1									2			1		1		6	5
197		Annual eval of bare/cast, Annual evaluation of threats/risks, service riser evaluations that are prone to leaks																	1													1					1									1							4	4
198		***Enhanced Record Keeping***																																																				***98***	
199		OQ must cross reference with O&M and Emergency Plan, requirement for Security Plan																				1											1																						2	2
200		Maintain Records of Abandon Mains or facilities after a given date								1												1											1																			1				4	4
201		More stringent data elements such as Test Pressures, Duration of Strength Test, Date, Description of Facilities, retention of pressure charts, testing services in equivalent manner as mains with associated records																	1						1			1				2				1															1			1		8	7
202		Regulator & Relief Valve Calcs required of all OPP devices																	1																1																					2	2
203		All Records must be kept InState or accessible instate, requires detailed record keeping of outages, all records must be available for life of pipeline, Lifetime Records requirement for all Public Outreach											1									1											1	1			1		1				1	1		1									9	9
204		Odorometer Records must be kept for specified duration, odorant records include sampling and odorant quantities used																	1			1			1							2																				1				6	5
205		Leak Survey Records or Leak Investigation Records required for longer than 5 years									1	1	1						1					1				1					1																				1				8	8
206		Lifetime Records requirement for Corrosion Control of all Pipelines			2																																																1				3	2
207		Lifetime Records requirement for Strength Testing of all Pipelines											1						1													1	1		1																		1				6	6
208		Lifetime Records requirement for Welding of all Pipelines, Welding Records must be at job site											1												1																																		2	2
209		All Key Valves or Critical Valves must be identified on Records/Maps, location records required for shallow pipelines and protective device			1								1																			1			2															1				6	5
210		Enhanced Corrosion Records such as documentation of corrosion areas, active corrosion, schedules of placement of cathodic protection devices, maps and records of cathodic protection devices			1														1									1																			3							6	4
211		Enhanced Meter Record Details Required (Capacity, Purchase Date, Type, Location, Pressure Rating, Accuracy Etc.)																		1			1																									1	1							1	5	5
212		Maintain Calibration Records and Identification of Equipment for specified duration																															1																				1		1	3	3
213		Leak Progression Maps must be updated and maintained (or reported)																				1											1																								2	2
214		Investigate and Maintain Records of all Leaks as Failures, detailed leak reporting including cause, Records shall be kept as to leak complaints and remediation of leaks											1						1						1							1																						1		5	5
215		O&M must include updates based on past violations, thorough and complete records review requirements																																																2				2	1
216		GPS Coordinates required to be taken on exposed main, tees, valves, etc..																				1											1																								2	2
217		Detailed Mapping Requirements, GIS Mapping Required			4		1						1		3		1		1								1																		1		1	1			1				1	17	12
218		***Inactive Services***																																																				***15***	
219		Requirement to cut inactive services off at main during demolition																				1														1																					2	2
220		Deadline requirement to cut inactive services off at main or meters after specified time period		1							1		1									1			2							1													1		1	1			1	1		1		13	12
221		***Stronger Enforcement Penalties***																																																				***6***	
222		Civil penaltes applied can exceed federal maximum penalty					1																		1										4																				6	3
223		***State Inspection Programs***																																																				***52***	
224		Ability to Use Outside Consultants for State led inspections when necessary, State to maintain GIS database of haz liquid pipeline operators and historical activities								1																1																																2	2
225		Inspections focused by risk						1									1								1																		1												1				6	6
226		More frequent inspections/ contact/detailed audits	1	1	1		1		1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1		1	1	1	1	1	1		1	1		1	1		1	1	1	1	1	1		1	1	1	1	1	44	44
227																																																							***1361***	
228		**Number of State Initiatives**	**5**	**34**	**53**	**5**	**32**	**9**	**10**	**46**	**19**	**4**	**50**	**13**	**6**	**12**	**22**	**13**	**52**	**19**	**8**	**74**	**12**	**52**	**71**	**30**	**6**	**55**	**0**	**3**	**7**	**117**	**51**	**8**	**64**	**17**	**0**	**16**	**8**	**9**	**15**	**0**	**21**	**19**	**0**	**11**	**50**	**0**	**8**	**62**	**70**	**5**	**75**	**13**	**1361**	
229																																																								