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NAESB Membership Report - Quadrant/Segment Membership Analysis		Number of Members
WGQ Segments	TOTAL	123
	End Users	15
	Distributors	24
	Pipelines	39
	Producers	12
	Services	33
RMQ Segments	TOTAL	42
	Retail Electric End Users/Public Agencies	17
	Retail Gas Market Interests Segment	10
	Retail Electric Utilities	7
	Retail Electric Service Providers/Suppliers	8
WEQ Segments	TOTAL	136
	End Users	11
	Distributors	19
	Transmission	43
	Generation	21
	Marketers	21
	None Specified	1
	Independent Grid Operators/Planners	9
	Technology /Services	11

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	Organization	Seg¹	Contact
Retail Markets Quadrant (RMQ) Members:			
1	Ameren Services Company	u	Patrick Eynon
2	American Public Gas Association (APGA)	g	Alonzo Weaver
3	Arizona Corporation Commission	e	Robert G. Gray
4	Big Data Energy Services	s	J. Cade Burks, Jennifer Teel
5	Brilliant Energy, LLC	s	Vidyasagar Sandela
6	California Energy Commission	e	Melissa Jones
7	California Public Utilities Commission	e	Marzia Zafar
8	CenterPoint Energy Houston Electric, LLC	u	John Hudson
9	City of Houston	e	James P. Cargas
10	Dominion Energy	u	Brandon Stites
11	Duke Energy Corporation	u	Stuart Laval
12	Electric Reliability Council of Texas, Inc. (ERCOT)	e	Susan Anthony
13	Gas Natural Servicios, S.A. de C.V.	g	Alberto Alberto Alfaro
14	Green Button Alliance	s	Barry Haaser
15	Intelometry, Inc.	s	Raymond W. Anderson
16	ISO New England, Inc.	e	Doug Smith
17	Itron	s	Matthew McCaffree
18	Latitude Technologies LLC	g	Leigh Spangler
19	Maryland Public Service Commission	e	Dan Hurley
20	Minnesota Public Utilities Commission	e	Robert Harding
21	National Association of Regulatory Utility Commissioners	e	Sam Watson
22	New Jersey Board of Public Utilities	e	Cynthia Covie, Lauren Mattox
23	Oncor Electric Delivery Company LLC	u	Debbie McKeever, Chris Rowley, Debra Anderson, Mark Carpenter
24	Ontario Ministry of Energy	e	Senka Krsikapa, Andrew Howse
25	Open Access Technology International, Inc.	s	Michelle Coon
26	Open Energy Solutions, Inc.	s	Larry Lackey
27	Pennsylvania Office Of Consumer Advocate	e	Tanya J. McCloskey
28	Pennsylvania Office of Consumer Advocate	g	Tanya J. McCloskey
29	Pennsylvania Public Utility Commission	e	Lee Yalcin, Jeff McCracken
30	Philadelphia Gas Works	g	Frank Weigert
31	Public Utilities Commission of Ohio	e	Amanda Stallings
32	Public Utility Commission of Texas	e	Therese Harris
33	Southern Company Services, Inc.	u	Lincoln E. Wood
34	SouthStar Energy Services, LLC	g	Michael Braswell
35	Sprague Operating Resources LLC	g	Paul Scoff
36	Systrends USA	g	Dave Darnell

¹ The segment abbreviations are: **RMQ**: u – retail electric utilities, g – retail gas market interests, e – retail electric end users/public agencies, s – retail electric service providers/suppliers. **WEQ**: m – marketer/broker, d – distribution, i – independent grid operators/planners, t – transmission owner, e – end user, g – generator, ts – technology/services. **WGO**: s – services, pl – pipeline, l – LDC, pr – producer, e – end user.

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	Organization	Seg¹	Contact
37	UGI Utilities, Inc.	g	Angelina Borelli
38	Vermont Public Service Board	e	Mary Jo Krolewski
39	WEC Energy Group	g	Tom Aridas, Ken Thiry
40	WEC Energy Group	u	Dennis Derricks, Ken Thiry
41	Xtensible Solutions LLC	s	Shawn Hu
42	ZigBee Alliance	e	Tobin Richardson
Wholesale Gas Quadrant (WGQ) Members:			
1	44Farris, LLC	s	Sylvia Munson
2	8760, Inc.	s	Jim Buccigross
3	Alliance Pipeline, LP	pl	Wendy Rhyno, Brian Troicuk
4	Ambit Energy Holdings, LLC	s	Drew Gormley
5	American Gas Association	l	Matthew J. Agen, Pete Connor
6	American Midstream Partners, LP	s	Bryan M. Escobedo
7	Anadarko Energy Services Company	pr	Y.J. Bourgeois, Beth Fruge, Scott Marshall, Chris Briggs, Brent Beitler
8	Aquilon Energy Services, Inc.	s	Jeffrey Wagner, Sylvia Munson
9	Atmos Energy	pl	Steve Easley
10	Blackstone Technology Group, Inc.	s	Rakesh Agrawal
11	Boardwalk Pipeline Partners, LP	pl	Randy Young, Kim Van Pelt
12	BP Energy	pr	Kathleen E. Magruder
13	California Energy Commission	e	Melissa Jones
14	Calpine Corporation	e	Shonnie Daniel, Jay Dibble, Brian Fields
15	Cascade Natural Gas Corporation	l	Eric Wood
16	Castleton Commodities Merchant Trading L.P.	s	Tara Liscombe, Amy McConnel
17	CenterPoint Energy Services, Inc.	s	Jeffrey Perryman, Timothy Muller, Wade Sadler
18	Centro Nacional de Control del Gas Natural (CENAGAS)	s	Eduardo Fernando Prud'homme Nieves
19	Cheniere Creole Trail Pipeline, LP	pl	Valerie Salas
20	Chevron Natural Gas	pr	Charles (Chuck) Cook
21	Cimarex Energy Co.	pr	Vanessa Hutto
22	Citigroup Energy, Inc.	s	Carrie Southard, Angela Davis
23	Colorado Springs Utilities	l	Joe M. Holmes
24	ConocoPhillips Company	pr	Ben Schoene
25	Consolidated Edison Company of NY	l	Joel Yu
26	Crestwood Equity Partners LP	pl	Rob Perkins, Mark Mitchell, James Johnston, Christine Dixon
27	Dauphin Island Gathering Partners	pl	Don Perkins, Tyler Culbertson
28	Defense Logistics Agency Energy	e	Paul Rossi, Brett Campeol, Scott Taetsch
29	Department of Energy	e	Christopher Freitas
30	Devon Energy Corporation	pr	Brandon Guderian
31	Dominion Energy Inc.	l	Craig Colombo
32	Dominion Energy Questar Pipeline, LLC	pl	Rachel A. Hogge, Mark Christiansen
33	Dominion Energy Transmission Inc.	pl	Rachel A. Hogge, Ron Tomlinson

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	Organization	Seg¹	Contact
34	DTE Energy Trading, Inc.	s	Gregory V. Staton, James Buck, Dena Crawford, Marcia L. Hissong, Ann Marie Jambor, Cynthia Klots, Shelley Greene
35	DTE Gas Company	l	Kelly Fedele
36	Eastern Shore Natural Gas Company	pl	Laura Fevrin
37	Eclipse Resources Corporation	pr	Daniel T. Sweeney
38	Emera Energy Services, Inc.	s	Dary Jessome, Will Szubielski
39	Enable Energy Resources LLC	s	Cary Metz
40	Enable Gas Transmission, LLC	pl	Cindy Suarez, Valerie Price
41	Enable Mississippi River Transmission, LLC	pl	Cindy Suarez, Valerie Price
42	Enbridge (U.S.) Inc.	pl	Marcy McCain, Megan Miller, Susan Schwager
43	Encana Marketing (USA) Inc.	s	Jeff Jarvis
44	Energex LLC	s	Jay Bhatt
45	Energy Transfer Equity, L.P.	pl	Michael Langston, Larry Biediger, Mary Draemer, William White, Miki Kolobara
46	Entergy Services, Inc.	e	Laura Berryman, Brad Clausen
47	Environmental Defense Fund, Inc.	e	N. Jonathan Peress
48	Environmental Resources Management (ERM)	s	Keith Sappenfield
49	EP Energy E&P Company, L.P.	pr	Stephanie Karm
50	Equitrans, L.P.	pl	Paul W. Diehl
51	Exelon Generation Company, LLC	s	Lisa Simpkins, Joseph Kirwan, Andrea Kullman, Jennifer Scott
52	Exxon Mobil Corporation	pr	Randy E. Parker
53	FIS	s	Kirt Kleinman
54	Florida Power & Light Company	e	Paul Zhang, Art Morris
55	Freeport LNG Development L.P.	pl	Adam Valentine
56	Florida Southeast Connection LLC	pl	Mark McClure
57	Gasoductos de Chihuahua S. de R.L. de C.V.	pl	Victor Manuel Lozano Chavez
58	Golden Pass Pipeline, LLC	pl	Joel Hindman
59	Golden Triangle Storage, Inc.	pl	Kimberly Watson, John Fortman, Darryl Kilpatrick
60	Haynes and Boone, LLP	s	Kim Mai
61	Iberdrola USA Management Corporation (Rochester Gas and Electric Corp)	l	Mark Marini
62	Idaho Public Utilities Commission	e	Gene Fadness
63	Imperial Irrigation District	e	Timothy Hamilton, R. Marc Printy, Scott Harding
64	Iroquois Gas Transmission System	pl	Tom Gwilliam
65	Kern River Gas Transmission Company	pl	Brenda Horton
66	Kinder Morgan Inc	pl	Gene Nowak, Mark Gracey, Nichole Lopez
67	Kinetica Partners, LLC	pl	Michelle Dundee
68	Latitude Technologies LLC	s	Leigh Spangler
69	Liberty Utilities	l	Bill Killeen, Deborah Gilbertson
70	Macquarie Energy LLC	s	Michele McLendon, David Webster, Christi Nicolay
71	Marathon Oil Company	pr	Robin Phillips, Roger Raymond
72	MCP Operating LLC (Stingray Pipeline Company, L.L.C.)	pl	Jeremy Durocher

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	Organization	Seg¹	Contact
73	Midcontinent Independent System Operator, Inc.	e	Leonard Ashley
74	Millennium Pipeline Company, LLC	pl	Georgia B. Carter
75	Munich Re Trading LLC	s	Yvonne L. Aponte
76	National Fuel Gas Distribution Corporation	l	Mike Novak
77	National Fuel Gas Supply Corp.	pl	Deborah Kupczyk
78	National Grid	l	Andrew MacBride
79	New Jersey Natural Gas	l	Kathryn Ferreira
80	NiSource Inc.	l	Deepak Raval, Michael D. Watson
81	NJR Energy Services Company	s	Ginger Richman
82	Northern Natural Gas	pl	Micki Hoffee, Vickie Wonder
83	Northwest Natural Gas Company	l	Randolph Friedman
84	ONE Gas, Inc.	l	Larry Dykes
85	ONEOK Partners GP, LLC	pl	Teri Tingler, Denise Adams
86	Open Access Technology International, Inc.	s	Michelle Coon
87	PAA Natural Gas Storage, LLC	s	Eileen W. Kisluk
88	Pacific Gas and Electric Company	l	Dave Lewis
89	Paiute PipeLine Company	pl	Mark A. Litwin
90	Peoples Gas System	l	David Crabtree
91	Piedmont Natural Gas	l	Michelle Mendoza
92	Power Authority of the State of New York (dba NYPA)	e	Enrico Montesa, Jr.
93	QEP Resources, Inc.	pr	Steve Stanton
94	Quorum Business Solutions Inc.	s	Emily Perryman
95	Rager Mountain Storage Company, LLC	pl	Paul Diehl, Shawn A. Smith
96	Sabine Pass Liquefaction, LLC	e	Emily Browning
97	Salt River Project Agricultural Improvement & Power District	e	Willis E. McCluskey
98	Sempra Infrastructure, LLC	pl	Dan King, Elizabeth Peters
99	Sequent Energy Management, L.P.	s	Karen Bleil, Kathryn L. McCoy, Chris Russo
100	Shell Energy North America (US), L.P.	s	Eric Gillaspie
101	Skipping Stone, LLC	s	Greg Lander
102	SNL Financial	s	Jana Wootton
103	Southern California Gas Company	l	Richard Ishikawa
104	Southern Company Gas	l	Tim Sherwood
105	Southern Company Services, Inc.	e	Alan Kilpatrick, Roy D. Hiller
106	Southern Star Central Gas Pipeline	pl	Robin Joska, Ronnie Hensley, Doug Field
107	Southwest Gas Corporation	l	John Olenick, Mark Anderson, Mark Litwin
108	Spire Inc.	l	Mark Darrell
109	SWN Energy Services Company, LLC	pr	Bill Hebenstreit
110	Tallgrass Operations, LLC	pl	Karl Almquist
111	Tennessee Valley Authority	e	Valerie Crockett
112	Tiger Natural Gas	s	John Burris
113	TransCanada Pipelines Limited	pl	Steven W. McCord, Millie S. Moran, Sherry Hill
114	UGI Central Gas Control, LC	pl	Craig Blume

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115	Unitil Service Corporation	l	Joseph Conneely
116	Vector Pipeline L.P.	pl	Amy Bruhn
117	Vectren Corporation	l	Elizabeth Beck
118	Vitol Inc.	pl	Robert Viola, Juany Martinez
119	WBI Energy Transmission, Inc.	pl	Nancy Senger, Lori Myerchin, Gwen Schoepp
120	WEC Energy Group	l	Todd Duffield, Jody Arendt
121	Williams	pl	Michael Rasmuson, Melissa Casey, Brian Roquemore
122	World Fuel Services, Inc.	s	Rachel Welch
123	WPX Energy Marketing, LLC	s	Rich Ficken, Sherry Sawyer

Wholesale Electric Quadrant (WEQ) Members:

1	8760, Inc.	ts	Jim Buccigross
2	Adapt2 Solutions, Inc.	ts	David Nilsson
3	Adjoint Inc.	ts	Havell Rodrigues
4	Alabama Municipal Electric Authority	d	Mark Ennis
5	Alliance for Cooperative Energy Services Power Marketing LLC (ACES)	m	Roy J. True, Amadou Fall
6	American Electric Power Service Corp.	g	Barry Schumann, Phil Cox
7	American Municipal Power, Inc.	m	Chris Norton
8	American Public Power Association	d	Delia Patterson
9	Arizona Electric Power Cooperative, Inc.	t	Shane Sanders, Barry Brown
10	Arizona Public Service Company	t	Twyana Blair
11	Associated Electric Cooperative, Inc.	t	Chris McGeeney
12	AVANGRID	t	Jim Clemente, Carol A. Purinton
13	Avangrid Renewables, LLC	g	Erin Kester, Jan Korver
14	Avista Corporation	t	Jeff Schlect, Kenneth Dillon
15	Basin Electric Power Cooperative	t	Dave Rudolph
16	Basin Electric Power Cooperative	m	Ken Rutter
17	Basin Electric Power Cooperative	g	Jason Doerr
18	BC Hydro	t	Brenda Ambrosi
19	Black Hills Corporation	g	Kenna Hagan
20	Bonneville Power Administration	d	Eric H. Carter, Michael Steigerwald, Rod Kelley
21	Bonneville Power Administration	g	Scott Winner, Ann Shintani
22	Bonneville Power Administration	m	Andrew P. Meyers, Ann Shintani
23	Bonneville Power Administration	t	Michael D. Bausch, Rebecca Berdahl
24	California Energy Commission	e	Melissa Jones
25	California ISO	i	Brian Jacobsen
26	California Public Utilities Commission	e	Marzia Zafar
27	Central Electric Power Cooperative	d	Kale Ford
28	Deseret Generation & Transmission Co-operative	g	Clay MacArthur
29	Dominion Resources Services, Inc.	g	Lou Oberski
30	Duke Energy Corporation	d	Alan Pritchard
31	Duke Energy Corporation	t	Jack Armstrong, Michael Anthony, Lee Schuster

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	Organization	Seg¹	Contact
32	Dynergy Marketing and Trade, LLC	g	Contracts – Legal Department
33	Edison Electric Institute	n	Philip D. Moeller, Jennifer Murray
34	El Paso Electric	t	Mike Sahs
35	Electric Reliability Council of Texas, Inc. (ERCOT)	i	Carrie Bivens, Paul Wattles, Joel Mickey
36	Emera Maine	t	Chad Wilcox
37	Enbridge (U.S.) Inc.	t	Travis Allen
38	Entergy Services, Inc.	t	Yarrow Etheredge, Narinder Saini
39	Eversource Energy	t	David Burnham, Andrew Y. Tan
40	Exelon Generation Company, LLC	m	William Berg
41	FIS	ts	Robin Pollara
42	Florida Municipal Power Agency	g	Carol Chinn, Chris Gowder
43	Florida Municipal Power Agency	d	Carol Chinn, Chris Gowder
44	Florida Power & Light Company	m	Timothy W. Gerrish, Tom Hartman
45	Florida Power & Light Company	t	Bernardo Benigni, Miguel Yanes
46	Georgia Transmission Corporation	t	Patrick McGovern
47	GMO GlobalSign, Inc.	e	Lila Kee
48	Hydro – Quebec Transenergie	t	Michel Prevost
49	Idaho Power Company	t	Kathy Anderson
50	Idaho Public Utilities Commission	e	Gene Fadness
51	Independent Electricity System Operator (IESO)	i	Nicholas Ingman, Scott Berry
52	Indiana Municipal Power Agency	g	Scott Berry
53	Indianapolis Power and Light Company	t	Michael L. Holtsclaw
54	ISO New England, Inc.	i	Matthew F. Goldberg, Douglas Smith
55	JEA	t	John Babik
56	Kansas City Power & Light Company	t	Denise Buffington
57	Kansas City Power & Light Company	g	Jennifer Flandermeyer
58	LG&E and KU Services Company	t	Ashley Moore, Daryn Barker
59	Links Technology Solutions, Inc.	ts	Robert VanValkenburg
60	Los Angeles Department of Water and Power	t	Sueyen McMahon
61	Los Angeles Department of Water and Power	m	Anton Vu, Joel F. Cordero
62	Maine Public Utilities Commission	e	Denis Bergeron
63	Manitoba Hydro	t	Robin Rebillard
64	Michigan Public Power Agency	d	Erinn Evans
65	MidAmerican Energy Company	m	Dennis Kimm
66	Minnesota Public Utilities Commission	e	Robert Harding
67	MISO	i	Ed Skiba, Eric Stephens
68	Missouri River Energy Services	d	Raymond J. Wahle
69	Monitoring Analytics, LLC	i	John Dadourian
70	Morgan, Lewis & Bockius LLP	t	Stephen M. Spina
71	Municipal Energy Agency of Nebraska	m	Robin Spady
72	Nalcor Energy	m	Erin McCormack
73	National Association of Regulatory Utility Commissioners	e	Sam Watson

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74	National Grid	t	Kevin Reardon
75	National Institute of Standards and Technology	ts	David A. Wollman
76	National Rural Electric Cooperative Association	d	Paul McCurley
77	Nebraska Public Power District	t	Don Schmit
78	New Jersey Board of Public Utilities	g	Cynthia Covie, Lauren Mattox
79	New York Independent System Operator, Inc. (NYISO)	i	Wesley Yeomans, Vijaya Ganugula
80	New York State Reliability Council	d	Bruce Ellsworth
81	North American Electric Reliability Corporation	d	Mark Lauby
82	North Carolina Electric Membership Corporation	d	Luis Fondacci, John Lemire, Richard McCall, James R. Manning
83	Northwestern Corporation	t	Mike Cashell
84	NRG Energy, Inc.	g	Derek Mauzy, Alan Johnson, Elizabeth Killinger
85	NV Energy	m	Sheryl Torrey
86	NV Energy, Inc.	t	Marilyn Franz
87	Open Access Technology International, Inc.	e	Jerry Dempsey
88	Open Access Technology International, Inc.	t	Paul R. Sorenson
89	Organization for the Advancement of Structured Information Standards (OASIS)	ts	Laurent M. Liscia
90	PacifiCorp	m	Joseph Hoerner
91	PacifiCorp	t	Rick Vail
92	PJM Interconnection, LLC	i	Rich Brown
93	Portland General Electric	t	John Walker, Johnny Useldinger
94	Power Costs, Inc. (PCI)	ts	Javier Martin
95	Powerex Corp.	m	Michael L McWilliams, Erika Rosin, Connor Curson
96	PowerSouth Energy Cooperative	d	William Ronald Graham
97	Public Service Company of New Mexico	m	Steven Maestas, Darren Wilkins, Roger Vaughn
98	Public Utilities Commission of Ohio	e	Amanda Stallings
99	Puget Sound Energy, Inc.	t	George Marshall, Bob Harshbarger, Chelsey Neil
100	RBN Energy LLC	ts	Richard G. Smead
101	Sacramento Municipal Utility District	d	Jon Olson, Sunny Buchert, Kelly Goodson
102	San Diego Gas & Electric Company	t	Martine Blair
103	Santee Cooper	t	Tom Abrams
104	SaskPower Corporation	t	Darwin Bender
105	Seattle City Light	m	Robin Cross
106	Seattle City Light	e	Robin Cross, Cory Anderson
107	Seminole Electric Cooperative, Inc.	m	Michael Ward
108	Snohomish County PUD No. 1	d	Kim Haugen
109	SoftSmiths, Inc.	ts	Lawrence S. Stone
110	South Carolina Electric & Gas Company	t	Matt Hammond, James T. Starling, Jr. , Sonya Green-Sumpter, Matt Bullard, Kevin Spitzform
111	Southern Company Services, Inc.	g	Marie Craig Knight, JT Wood
112	Southern Company Services, Inc.	m	Ron Carlsen, JT Wood
113	Southern Company Services, Inc.	t	Wes Barber, JT Wood

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114	Southwest Power Pool	i	Carl Monroe, Michael Desselle, Charles Yeung
115	SSL.com	ts	Leonard Grove
116	Tacoma Power	d	Rick Applegate
117	Tampa Electric Company	d	David Crabtree
118	Tenaska, Inc.	g	Brad Cox
119	Tennessee Valley Authority	g	Karen Utt, Valerie Crockett
120	Tennessee Valley Authority	m	Dianne Hensley, Valerie Crockett
121	Tennessee Valley Authority	t	Jason L. Adams, Heather Burnette, Valerie Crockett
122	TransAlta Energy Marketing (U.S.) Inc.	m	Steve Lincoln
123	Tri-State Generation and Transmission Association, Inc.	t	Doug Reese
124	Tri-State G&T Association, Inc.	g	Janelle Marriott
125	Tucson Electric Power Company	t	Raquel Aguilar, Ed Beck, Amy Welander
126	Vermont Public Power Supply Authority	g	William J. Gallagher
127	Vermont Public Service Board	e	Mary Jo Krolewski
128	Wabash Valley Power Association	g	Susan Sosbe
129	We Energies (Wisconsin Electric)	d	Linda Horn
130	We Energies (Wisconsin Electric)	g	Christopher Plante
131	Westar Energy, Inc.	g	Grant Wilkerson
132	Western Area Power Administration	t	Raymond Vojdani, Steve Sanders
133	Western Area Power Administration	m	Rebecca Johnson
134	Western Electricity Coordinating Council	t	Layne Brown
135	WPPI Energy	d	Todd Komplin
136	Xcel Energy Inc.	m	Randall L. Oye