Business Issues Committee September 13, 2016 Meeting Final Motions

Motion #1:

Motion to approve the August 17, 2016 BIC Minutes.

Motion passed unanimously.

Motion #2:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Installed Capacity Manual as at the BIC meeting on this date.

Motion passed unanimously with abstentions.

Motion #3:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Installed Capacity Manual as described in the presentation and accompanying materials made to the BIC on this date; provided, however, that these Installed Capacity Manual changes shall only become effective on the day after the effective date for all of the Behind-the-Meter Net Generation tariff revisions accepted by the Federal Energy Regulatory Commission on May 17, 2016.

Motion passed unanimously with abstentions.

Motion #4:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Ancillary Services Manual as described in the presentation and accompanying materials made to the BIC on this date; provided, however, that these Ancillary Services Manual changes shall only become effective on the day after the effective date for all of the Behind-the-Meter Net Generation tariff revisions accepted by the Federal Energy Regulatory Commission on May 17, 2016.

Motion passed unanimously with abstentions.

Motion #5:

The Business Issues Committee (BIC) hereby approves the proposed changes to the Revenue Metering Requirements Manual as described in the presentation and accompanying materials made to the BIC on this date; provided, however, that these Revenue Metering Requirements Manual changes shall only become effective on the day after the effective date for all of the Behind-the-Meter Net Generation tariff revisions accepted by the Federal Energy Regulatory Commission on May 17, 2016. *Motion passed unanimously with abstentions.*

<u>Motion #6</u>:

The Business Issues Committee ("BIC") hereby recommends that the Management Committee approve changes to the NYISO's Market Administration and Control Area Services Tariff (MST) related to the Hybrid GT Pricing Improvements proposal, as more fully described in the presentation entitled "Hybrid GT Pricing Improvements" made to the BIC on September 13, 2016.

Motion passed unanimously with abstentions.

New York Independent System Operator - Committee Membership

Business Issues Committee - September 13, 2016 - NYISO - Parties Checked in Attendance

ector eneration Owners	RepresentativeMcCall, ChuckLitchfield , MattKruse, BrettDe Meyere , BobBrodbeck , JohnShanker, RoyPotkin , MarcMerich , OliviaFerguson, MikeZeliff, PeterMa , AlexKain , TerrenceSilton , HarryBiittig, TimothyEvanoski , DaveTaylor, WilliamNi, BingBriscoe , JudyNichols , JimLaRoe , ChrisMarkham , Craig	Alternate1 Browne , Scott Rumsey , Tom Reitmeyer , Jay Wallenstein , Arnold Kaplan , Seth Fogarty , Thomas Dell Orto , Ken Rugh , Chris Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy Yeager , Keith	Alternate2 Habib , Phillipe Flumerfelt, John Paryl , Ron Grimes , Mike Lee , Tina Saia, Doreen Orzel , Chris McManus , John Congel, Dan	Alternate3 Singer, Leonard Schleimer, Steve Nemeth, Jeffrey Franzetti, Paul Bergeron, John Hachey, Mike	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	
eneration Owners eneration Owners her Suppliers her Suppliers	Litchfield , Matt Kruse, Brett De Meyere , Bob Brodbeck , John Shanker, Roy Potkin , Marc Merich , Olivia Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Reitmeyer , Jay Wallenstein , Arnold Kaplan , Seth Fogarty , Thomas Dell Orto , Ken Rugh , Chris Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	Flumerfelt, John Paryl , Ron Grimes , Mike Lee , Tina Saia, Doreen Orzel , Chris McManus , John	Schleimer , Steve Nemeth , Jeffrey Franzetti , Paul Bergeron , John	Dictor , Stephen					
eneration Owners eneration Owners her Suppliers her Suppliers	De Meyere , Bob Brodbeck , John Shanker, Roy Potkin , Marc Merich , Olivia Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Reitmeyer , Jay Wallenstein , Arnold Kaplan , Seth Fogarty , Thomas Dell Orto , Ken Rugh , Chris Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	Paryl , Ron Grimes , Mike Lee , Tina Saia, Doreen Orzel , Chris McManus , John	Nemeth , Jeffrey Franzetti , Paul Bergeron , John	Dictor , Stephen					
eneration Owners eneration Owners her Suppliers her Suppliers	Brodbeck , John Shanker, Roy Potkin , Marc Merich , Olivia Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Kaplan , Seth Fogarty , Thomas Dell Orto , Ken Rugh , Chris ✓ Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	Grimes , Mike Lee , Tina Saia, Doreen Orzel , Chris McManus , John	Franzetti , Paul Bergeron , John	Dictor , Stephen					
eneration Owners eneration Owners her Suppliers her Suppliers	Shanker, Roy Potkin , Marc Merich , Olivia Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Fogarty , Thomas Dell Orto , Ken Rugh , Chris ✓ Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	Lee , Tina Saia, Doreen Orzel , Chris McManus , John	Franzetti , Paul Bergeron , John	Dictor , Stephen					
eneration Owners eneration Owners her Suppliers her Suppliers	Potkin , Marc Merich , Olivia Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Dell Orto , Ken Rugh , Chris ✓ Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	Saia, Doreen Orzel , Chris McManus , John	Bergeron , John						
eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers	Merich , Olivia Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Rugh , Chris ✓Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	Orzel , Chris McManus , John							
eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers	Ferguson, Mike Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	 Younger, Mark Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy 	McManus , John	Hachey, Mike						
eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers	Zeliff, Peter Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	McManus , John	Hachey, Mike						
eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers	Ma , Alex Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Henningham, Scott Goldstein , Michael McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	McManus , John	Hachey, Mike						
eneration Owners eneration Owners eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Kain , Terrence Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	McCabe , Brian Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy	McManus , John	Hachey, Mike						
eneration Owners eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Silton , Harry Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Ryan , James Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy		Hachey, Mike						
eneration Owners eneration Owners eneration Owners her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Biittig, Timothy Evanoski , Dave Taylor, William Ni, Bing ✓ Briscoe , Judy Nichols , Jim ✓ LaRoe , Chris	Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy		Hachey, Mike						
eneration Owners eneration Owners her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Evanoski , Dave Taylor, William Ni, Bing Briscoe , Judy Nichols , Jim LaRoe , Chris	Goodenough , Jeery DAndrea , James Lee, George Magruder , Kathy		Hachey, Mike						
eneration Owners her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Taylor, William Ni, Bing ✓ Briscoe , Judy Nichols , Jim ✓ LaRoe , Chris	DAndrea , James Lee, George Magruder , Kathy		Hachey, Mike						
her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Ni, Bing ✓ Briscoe , Judy Nichols , Jim ✓ LaRoe , Chris	Lee, George Magruder , Kathy	Congel, Dan	Hachey, Mike	I I					
her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Briscoe , Judy Nichols , Jim LaRoe , Chris	Magruder, Kathy		-					✓ Younger, Mark	
her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Briscoe , Judy Nichols , Jim LaRoe , Chris	Magruder, Kathy								
her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	Nichols , Jim LaRoe , Chris		1							
her Suppliers her Suppliers her Suppliers her Suppliers her Suppliers	LaRoe , Chris		VanHorne, Phil	Graham , Tammy						
her Suppliers her Suppliers her Suppliers her Suppliers		Mitreski, Aleksandar	Mitelman, Rimma	Dallaire, Eric						
her Suppliers her Suppliers her Suppliers	markitani , Craig		Damaskos, Deno	Lawrence, David						
her Suppliers her Suppliers	Stuss, Gordon	Lacey , Frank Romine , Brad	Emmett, Robert	Lawrence, David						
her Suppliers	Trayers, Barry	Komme, Brau	Emmett, Köbert							
	Mah, Norman	Dannels, Jeff								
her Suppliers	McCartney, Glen	Wentlent, Chris	Kirk, Steven							
her Suppliers	Reinhart, Brian	Rotger, Jose	Kirk, Steven							
her Suppliers	Bleiweis, Bruce	Stevens, Andrew	Tate, Matthew	Milberg, Sadao	Kuo, David					
her Suppliers	Pakela, Gregory	Wieszczyk, Raymond	German, Robert	Wilberg, Sadao	Ruo, David					
her Suppliers	Philips , Marjorie	Comstock, Read	German, Robert							
			Ziegler Pete							
			Ziegier, rete							
			Geller Greg							
		-		Iskowitz Aron	Brown Ruben	Pentland William	Villegas Cristina	Cinadr Matt		
	-		Helburg, Duviu	iskowitz, ruon	Biown, Ruben	r chitana , w inian	vinegus , cristinu	Cintuit , Mutt		
			Lawrence David							
	-		Edwience, Burne							Lyons, Chris
			Campbell Chad							
	-		Campben , Chau							
			Vennes, Yannick							
her Suppliers		Halford, Steve								
her Suppliers	-		1							
			Carrigan , Kathleen							
her Suppliers	Davis, Andrew									
her Suppliers	Murray, Patrick	Kochonies, Karen	Ezickson, Doron							
her Suppliers	🖌 Joseph , Kelli	Fuller, Peter	Cona , Lisa							
her Suppliers	Applebaum, David	Gardner, Michelle								
her Suppliers	Boston, Roy	Kyle , Chris	🗸 Sunga , Leonard							
her Suppliers	Lacivita, Ken	Gell, Richard	Barr, David	Sheinfield, Joel						
her Suppliers	_									
		-		, , , , , , , , , , , , , , , , , , , ,						
			. ionion , iviaitay							
			Ahrens David	Villegas Cristina						
				· moguo , cristina						
		rnoresen, suntes								
		Graaning Michala							Corrigon Kathlann	
			Canaal Dar	Hasherr Mile-					V Carrigan, Kathleen	
	-			-		XX7.1				
		Reese, John	✓ Younger, Mark	Schwall , Matthew	Johnson , David	Wolcott, Tyler				
her Suppliers			Kam, Kenney		1					
her her her her her her her her her her	Suppliers Suppli	SuppliersErbrick , MichaelSuppliersBrewster, DavidSuppliersDavid, GaryHendler , JeffCampbell , BruceSuppliersCampbell , BruceSuppliersKirk , StevenSuppliersLevine , JeffreySuppliersFernands , RochelleSuppliersGruber , CraigSuppliersGruber , CraigSuppliersHaugh, MichaelSuppliersBaston , WilliamSuppliersDavis , AndrewSuppliersMurray, PatrickSuppliersJoseph , KelliSuppliersApplebaum, DavidSuppliersBoston , RoySuppliersTang , GlenSuppliersMoreton , SamuelSuppliersMoreton , SamuelSuppliersSchubiger, MichaelSuppliersSuppliersSuppliersMoreton , SamuelSuppliersYromer, HowardSuppliersSchubiger, MichaelSuppliersMoreton , SamuelSuppliersPicardi, MattSuppliersPicardi, MattSuppliersFormar, Hyzinski , TomSuppliersFaker, LiamSuppliersSaker, LiamSuppliersFreifeld , Allen	SuppliersErbrick , MichaelLeForce , RandallSuppliersBrewster, DavidBreidenbaugh, AaronSuppliersDavid, GaryAhrens, DavidSuppliersCampbell , BruceDavis , RobertSuppliersCampbell , BruceDavis , RobertSuppliersKirk , StevenWentlent, ChrisSuppliersLevine , JeffreyHawkins , DarinSuppliersFernands , RochelleAckerman, AlanSuppliersIcuthauser, ScottGruber , CraigSuppliersGruber , CraigHalford , SteveSuppliersBaston , WilliamHebel , NathanSuppliersDavis , AndrewYounger, MarkSuppliersJoseph , KelliFuller , PeterSuppliersJoseph , KelliFuller , PeterSuppliersBoston , RoyKyle , ChrisSuppliersTang , GlenDion , JulienSuppliersMoreton , SamuelHorvath , PeterSuppliersSchubiger, MichaelThoresen, JamesSuppliersPicardi, MattSuppliersSuppliersSchubiger, MichaelThoresen, JamesSuppliersSchubiger, MichaelThoresen, JamesSuppliersFromer, HowardDePillo , RaymondSuppliersSchubiger, MichaelThoresen, JamesSuppliersSchubiger, MichaelThoresen, JamesSuppliersBoston , RoyKyle , ChrisSuppliersKerton , SamuelHorvath , PeterSuppliersSchubiger, MichaelThoresen, JamesSuppliers	SuppliersErbrick , MichaelLeForce , RandallSuppliersBrewster, DavidBreidenbaugh, AaronGeller , GregSuppliersDavid, GaryAhrens, DavidNeiburg, DavidSuppliersHendler , JeffRoss , ValerieLawrence , DavidSuppliersCampbell , BruceDavis , RobertLawrence , DavidSuppliersKirk , StevenWentlent, ChrisCampbell , ChadSuppliersLevine , JeffreyHawkins , DarinCampbell , ChadSuppliersFernands , RochelleAckerman, AlanVennes, YannickSuppliersPlante , MatthieuLeuthauser, ScottVennes, YannickSuppliersGruber , CraigHalford , SteveVennes, YannickSuppliersBavis , AndrewYounger, MarkCarrigan , KathleenSuppliersDavis , AndrewYounger, MarkSuppliersSuppliersDavis , AndrewYounger, MarkSuppliersSuppliersDavis , AndrewYounger, MarkSuppliersSuppliersDavis , AndrewYounger, MarkSuppliersSuppliersDavis , RoyKyle , ChrisSuga , LeonardSuppliersBoston , RoyKyle , ChrisSuga , LeonardSuppliersTang , GlenDion , JulienFichten , MurraySuppliersMoreton , SamuelHorvath , PeterAhrens, DavidSuppliersMoreton , SamuelHorvath , PeterSuppliersSuppliersSchubiger, MichaelThoresen, JamesSupilersSuppliersPicardi, Matt	SuppliersErbrick , MichaelLeForce , RandallSuppliersBrewster, DavidBreidenbaugh, AaronGeller, GregSuppliersDavid, GaryAhrens, DavidNeiburg, DavidSuppliersHendler , JeffRoss, ValerieSuppliersCampbell , BruceDavis , RobertLawrence , DavidSuppliersCampbell , BruceDavis , RobertLawrence , DavidSuppliersKirk , StevenWentlent, ChrisSuppliersLevine , JeffreyHawkins , DarinCampbell , ChadSuppliersFernands , RochelleAckerman, AlanSuppliersGruber , CraigHalford , SteveSuppliersGruber , CraigHaford , SteveSuppliersBaston , WilliamHebel , NathanCarrigan , KathleenSuppliersDavis , AndrewYounger, MarkSuppliersJoseph , KelliFuller , PeterSuppliersJoseph , KelliFuller , PeterSuppliersApplebaum, DavidGardner , MichelleSuppliersBoston , RoyKyle , ChrisSunga , LeonardSuppliersLacivita, KenGell, RichardBarr, DavidSheinfield , JoelSuppliersTang , GlenDion , JulienFichten , MurrayMurawski , JamesSuppliersMoreton , SamuelHorvath , PeterSupaidSheinfield , Villegas , CristinaSuppliersMoreton , SamuelHorvath , PeterSupaidSheinfield , JoelSuppliersMoreton , SamuelHorvath , PeterSupaidSheinfield , Joel <t< td=""><td>SuppliersErbrick, MichaelLeForce, Randallororset and the set of the set</td><td>SeppliersErbrick, MichaelLeForce, RandallNNN<</td><td>SingliorsErbinks, MichaelLaFore, RandallValueValueKanaka</td><td>SingliersIbrick, MickaelIzforce, RadultGeler, Car Borekensan, DavidBorekensan, DavidJurdeensan, DavidDiedenbaugh, JurneGeler, Car Nelbarg, DavidBowen, RabeaPentland, WilliamVillegas, CrissinaCindir, AarStoplersIconder, JeffRoss, NaferIzorense, DavidNelbarg, DavidBowen, RabeaPentland, WilliamVillegas, CrissinaCindir, MarStoplersCampell, BoneDovis, RobertIzorense, DavidIzorense, DavidIzorense, DavidIzorense, DavidStoplersLotin JeffreyHakkin, StarinCampell, ChadIzorense, DavidIzorense, MarkinIzorense, DavidStoplersCampell, BoneDovis, RobertVennes, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersGane, CrigHalford, SteveVennes, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersHaugh, MithalIzorense, YanickVennes, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersMaray, ParickKochonics, KarenExisten, DoronaIzorense, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersApplexam, DavidGelik, RidardBrain, FabrerIzorense, YanickIzorense, YanickIzorense, YanickStoplersApplexam, DavidGelik, RidardSingli, LooradIzorense, YanickIzorense, YanickIzorense, YanickStoplersApplexam, DavidGelik, RidardSingli, LooradMarces, JanesIzorense, Yan</td><td>SingliersEndis, MichaelLeffore, RundalLeffore, RundalRundaRundalR</td></t<>	SuppliersErbrick, MichaelLeForce, Randallororset and the set of the set	SeppliersErbrick, MichaelLeForce, RandallNNN<	SingliorsErbinks, MichaelLaFore, RandallValueValueKanaka	SingliersIbrick, MickaelIzforce, RadultGeler, Car Borekensan, DavidBorekensan, DavidJurdeensan, DavidDiedenbaugh, JurneGeler, Car Nelbarg, DavidBowen, RabeaPentland, WilliamVillegas, CrissinaCindir, AarStoplersIconder, JeffRoss, NaferIzorense, DavidNelbarg, DavidBowen, RabeaPentland, WilliamVillegas, CrissinaCindir, MarStoplersCampell, BoneDovis, RobertIzorense, DavidIzorense, DavidIzorense, DavidIzorense, DavidStoplersLotin JeffreyHakkin, StarinCampell, ChadIzorense, DavidIzorense, MarkinIzorense, DavidStoplersCampell, BoneDovis, RobertVennes, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersGane, CrigHalford, SteveVennes, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersHaugh, MithalIzorense, YanickVennes, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersMaray, ParickKochonics, KarenExisten, DoronaIzorense, YanickIzorense, YanickIzorense, YanickIzorense, YanickStoplersApplexam, DavidGelik, RidardBrain, FabrerIzorense, YanickIzorense, YanickIzorense, YanickStoplersApplexam, DavidGelik, RidardSingli, LooradIzorense, YanickIzorense, YanickIzorense, YanickStoplersApplexam, DavidGelik, RidardSingli, LooradMarces, JanesIzorense, Yan	SingliersEndis, MichaelLeffore, RundalLeffore, RundalRundaRundalR

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson , Matthew	Hughes, Adam				
Central Hudson Gas & Electric Corp.	Transmission Owners	Borchert , John	Chan, Ting	Dittmann, David				
Consolidated Edison Co. of NY, Inc.	Transmission Owners	VQuin , Jane	Nachmias, Stuart	Butler, Scott	Hargett, Chris	Butterklee, Neil		
National Grid	Transmission Owners	Franey, Bart	Lodemore , David	Carron , Benjamin				
New York State Electric & Gas (NYSEG)	Transmission Owners	Caletka, Patricia	Kinney, Ray	Brophy , Richard				
Orange & Rockland Utilities, Inc.	Transmission Owners							
Rochester Gas and Electric Corp.	Transmission Owners	Caletka, Patricia	Kinney, Ray	Brophy , Richard				
Alcoa, Inc.	Large Consumer	Mager, Michael	Loughney, Robert	🗸 Trinsey , Amanda	Lang, Kevin			
IBM Corporation	Large Consumer	Mager, Michael	Loughney, Robert	🗸 Trinsey , Amanda	Lang, Kevin			
Nucor Steel Auburn, Inc.	Large Consumer	Brew, James	Radigan, Frank	Kopon , Owen				
Occidental Chemical Corp.	Large Consumer	Mager, Michael	Loughney, Robert	🖌 Trinsey , Amanda	Lang, Kevin			
Wegmans Food Markets	Large Consumer	Mager, Michael	Loughney, Robert	🗸 Trinsey , Amanda	Lang, Kevin			
Metropolitan Transportation Authority	Large Consumer Government Agency	Keller , David	Chou, Frances					
American Sugar Refining, Inc	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Trinsey , Amanda		
Association for Energy Affordability	Small Consumer	Morris, Jackson	Hepinstall, David	Strauss, Valerie				
Beth Israel Health Care System	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Trinsey , Amanda		
Fordham University	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Trinsey , Amanda		
Memorial Sloan Kettering Cancer Center	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Trinsey , Amanda		
Mount Sinai Medical Center	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Trinsey , Amanda		
New York University	Small Consumer	Luthin, Catherine	Dowling, John	Loughney, Robert	Mager, Michael	🗸 Trinsey , Amanda		
Utility Intervention Unit, Division of Consumer	Government Statewide Consumer Advocate	Hogan , Erin	Montalvo, Marc	Kordonis, Dimitrios	Zimmerman, Michael			
Protection, NY Dept. of State	Covernment Small Concurrent and Datail	riogan , Lini						
City of New York	Government Small Consumer and Retail Aggregate	Lang, Kevin	Mager, Michael	🗸 Trinsey , Amanda				
NYS Energy Research & Dev. Authority	Government Small Consumer and Retail	✓ Hall , Christopher	Coup, David	Mas , Carl	Wilcox, James			
Long Island Power Authority	Aggregate State Power Authorities	Clarke, Dave	Wilczek , Mariann	,	,			
New York Power Authority	State Power Authorities			Lundin Tim	Mahoney , Daniel	Wilkie , Brian		
Bath Electric, Gas & Water Systems	Municipalities and Coops	Antinori , Andrew	Boyle, Bob Bolbrock, Richard	Lundin , Tim Cordeiro, Mark	V Manoney, Damer	WIIKIE, DITAII		
Freeport Electric	Municipalities and Coops	Hallgren, Guy		Rudebusch, Tom	Fiore, Chris			
Jamestown Board of Public Utilities		Livingston , Al	Kimlingen, Ted		Rudebusch, Tom			
	Municipalities and Coops	Gustafson, David	Leathers, David	Kulig, Steve	V Rudebusch, 10m			
Lake Placid Village	Municipalities and Coops	Kroha, Peter	Bolbrock, Richard	Cordeiro, Mark				
Municipal Commission of Boonville	Municipalities and Coops	Stabb, Kenneth	Bolbrock, Richard	Cordeiro, Mark				
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	Bolbrock, Richard	Cordeiro, Mark				
Village of Arcade	Municipalities and Coops	Kilburn, Larry	Bolbrock, Richard	Cordeiro, Mark				
Village of Fairport	Municipalities and Coops	Hegarty, Matt	Bolbrock, Richard	Cordeiro, Mark				
Village of Rockville Centre	Municipalities and Coops	Andreas, Philip	Cardile , Thomas	Rudebusch, Tom				
Village of Solvay	Municipalities and Coops	Hawksby, Joe	Bolbrock, Richard	Cordeiro, Mark				
Village of Westfield	Municipalities and Coops	Thompson, Andrew	Bolbrock, Richard	Cordeiro, Mark				
American Lung Association	Environmental	Epstein, Roni	Seilback, Michaek	Morris, Jackson				
American Wind Energy Association Environmental Advocates	Environmental Environmental	Reynolds , Anne Bambrick , Conor	Gramlich, Robert Epstein, Roni	Morris, Jackson				
Natural Resources Defense Council	Environmental	Morris, Jackson	Ho, Bruce	Clements, Allison				
PACE Energy & Climate Center	Environmental	Epstein, Roni	Martin, Nicholas	Morris, Jackson				
Riverkeeper	Environmental	Len , Christopher	Lucas, Mark	Epstein, Roni				
AES ES Holdings LLC	Non Voting	Hillman , Sharon	Kumaraswarmy , Kiran					
Ace Energy Company, Inc.	Non Voting	Lynch, Stephen						
Advanced Energy Economy, Inc.	Non Voting	Katofsky, Ryan	Waggoner, Danny					
Alliance for Clean Energy New York	Non Voting	Reynolds, Anne						
Anbaric Northeast Transmission Development Co.	Non Voting	Sanderson, Barry	Wish Alterna	Share David	Westland Take	Laish Manage		
Appian Way Energy Partners East, LLC Ardor Energy LLC	Non Voting Non Voting	Levy , Tal Breen , Erika	Klein, Abram	Shen , Dong	Westlund , John	Laich , Marcus		
Boston Energy Marketing & Trading	Non Voting	Kramek, Mike						
Boundless Energy, LLC	Non Voting	Tompkins John, E.	Pratt, Charles					
Boundless Energy, EEC Bruce Power	Non Voting	Viswanathan , Samira	Meyer, Sandra					
Caithness Energy LLC	Non Voting	Keevill, Gary	Collins, Kevin	Garber, Mitchell		1		
Chesapeake Trading Group, LLC	Non Voting	Staska, Stephanie	Hocker, Geoff					
Cubit Power One Inc.	Non Voting	Powell, Alan	Powell, Leighton	Singer, Leonard				
Customized Energy Solutions	Non Voting	🗸 Mancini, Rick	Fernands, Stephen	Rexrode, Caryn	🗸 Ackerman, Alan			
Ecogen	Non Voting	Hagner, Thomas						
Energetix, Inc.	Non Voting	Comstock , Read						
Energya VM	Non Voting	Ortiz Lopez , Jose Ignacio	-					
First Wind Holdings, LLC	Non Voting	Keene, John	Salehian, Afshin	I	I	I	1	I

	e6	Alternate7	Proxy	Guest
1 1 1		I	l	

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
Fluent Energy	Non Voting	Acampora , Peter	Doll , Ed								
Hudson River Energy Group	Non Voting	Radigan, Frank	Canfield, Richard								
Hydro-Quebec TransEnergie	Non Voting	Prevost, Michel									
ITC Mid-Atlantic Development LLC	Non Voting	Wrenbeck, Tom	Benedict, Nathan								
Iberdrola Renewables Inc	Non Voting	Allen, Thresa									
Innovari, Inc.	Non Voting	Lunt, Robin	Hodges, Brent								
MAG Energy Solutions, Inc.	Non Voting	Pelletier, Simon	Vezina, Alexandre								
NRG Curtailment Solutions, Inc.	Non Voting	Pieniazek, Marie	Scheiderich , Jim	Lynch, Stephen	Korczykowski , Jim						
NYS Department of Public Service	Non Voting	Paynter , Thomas	Evans, Adam								
National Fuel Gas Distribution Corporation	Non Voting	Novak , Michael	Eck , Robert								
New Athens Generating Co. LLC	Non Voting	DeVinney, Dan									
New York Transco	Non Voting	Nachmias, Stuart	Hitti , Nabil	Allen, Richard	🗸 Carrigan , Kathleen						
Noble Americas Energy Solutions	Non Voting	Sun , Jungsuk	Nakhonthap , Jade	🗸 Sunga , Leonard							
Northeast Clean Heat & Power Initiative	Non Voting	De Veer, Henrietta	Lilian, Jon	Dwyer, Herb	Brown, Ruben	Cinadr , Matt	Martin , Nicholas	Villegas, Cristina			
NuEnergen	Non Voting	Hamilton , Sandy	Korczykowski, Ryan								
Orthogonal Energy, LLC	Non Voting	Kudryavtseva, Viktoriya	Roch, Grant								
Power Supply Services LLC	Non Voting	Phillips , Gabriel	Abend , Erik								
RBC Energy Services, LP	Non Voting	Burnham, Steve	Fraiture, Christian	Doolittle, Robin							
RENEW Northeast	Non Voting	Pullaro, Francis	Krich, Abigail								
RES Americas, Inc.	Non Voting	Fernandes, John	Boyd , Dan								
Red Wolf Energy Trading, LLC	Non Voting	Sharma , Rishi									
Richard P. Felak	Non Voting	Felak, Rich									
Saracen Energy East LP	Non Voting	Peebles, Andy									
Siemens Energy, Inc.	Non Voting	Feltes, James									
SolarCity Corporation	Non Voting	Watson, Betty	Khan , Jamil	Reinhardt, Jessica							
Stephentown Spindle, LLC	Non Voting	Hebert, Chris									
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page, Allan								
Tesla Motors, Inc.	Non Voting	Burson, Kate	Van Cleve , Sarah								
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis, Ted									
Transmission Developers Inc.	Non Voting	Jessome, Donald	Helmer, William								
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim					

NYISO Employees

Pigeon, James Niazi, Tariq DeSocio, Michael Avallone, Ethan Smith, Zachary T. Singh, Padam Nieminski, Joe Bissell, Garrett Eckels, Debbie Dixon, Kirk