NYISO Business Issues Committee Meeting Minutes October 12, 2022 10:00 a.m. – 10:35 a.m.

1. Introductions, Meeting Objectives, and Chairman's Report

Mr. John Marczewski (East Coast Power) called the meeting to order at 10:00 am. The members of the BIC identified themselves and attendance was recorded. A quorum was determined.

2. Draft September 21, 2022 Meeting Minutes

There were no questions or comments regarding the draft minutes from the September 21, 2022 BIC meeting included as part of the meeting material.

Motion #1:

Motion to approve the minutes from the September 21, 2022 BIC meeting.

Motion passed unanimously.

3. Market Operations Report

Mr. Rana Mukerji (NYISO) reviewed the market operations report included with the meeting material. There were no questions or comments.

4. Manual Revisions for Critical Electric System Infrastructure Load

Andrew Tighe (NYISO) reviewed the presentation included with the meeting material.

Ms. Julia Popova (NRG) requested an update regarding the status of FERC's review of the proposed rules addressing the participation of Critical Electric System Infrastructure Load in the NYISO-administered demand response programs. Mr. Tighe stated that FERC issued an order on September 2, 2022 accepting the proposed rules to become effective on November 1, 2022.

Motion #2:

The Business Issues Committee ("BIC") hereby approves the revisions to the ICAP, DADRP, and EDRP manuals as described in the presentation made to the BIC on October 12, 2022, to become effective on November 1, 2022.

Motion passed unanimously.

5. Ancillary Services Manual Revisions: Black Start Capability, Voltage Support and Critical Electric System Infrastructure Load

Mr. Harris Miller (NYISO) and Mr. Tighe reviewed the presentation included with the meeting material.

Mr. Scott Leuthauser (HQUS) asked whether an external resource can qualify to participate in the voltage support service program. Mr. Miller stated that the NYISO would need to further consider the eligibility of external resources to participate in the voltage support service program.

Mr. Chris LaRoe (Brookfield) expressed appreciation for the development of further clarification regarding the testing procedures for resources seeking to participate in the voltage support service program.

Motion #3:

The Business Issues Committee ("BIC") hereby approves the revisions to the Ancillary Services manual as described in the presentation made to the BIC on October 12, 2022, to become effective on November 1, 2022.

6. Working Group Updates

- <u>Billing and Accounting and Credit Working Group</u>: The group met on September 23, 2022 and reviewed: (1) the standard accounting/settlement reports; and (2) a presentation by KPMG providing an update regarding the status of the ongoing 2022 System and Organizational Controls (SOC) 1 audit.
- <u>Electric System Planning Working Group</u>: The group met on October 3, 2022 and reviewed: (1) key findings and study results for the 2022 Reliability Needs Assessment (RNA); and (2) a draft of the 2022 RNA study report.
- Installed Capacity Working Group: The group has met jointly with MIWG and PRLWG three times since the last BIC meeting. The group met on September 30, 2022 and reviewed: (1) topics related to Phase 2 of the improving capacity accreditation initiative, including resource specific derating factors, considerations related to accounting for capacity accreditation factors in evaluating potential peaking plant technologies as part of the ICAP Demand Curve reset, the annual review process for determining the applicable peak load windows, and system modeling considerations for determining capacity accreditation factors; (2) a presentation by GE Energy Consulting regarding preliminary marginal reliability value sensitivity assessments using the 2022 LCR model and 2022 RNA model; and (3) proposed rules for capacity market participation of internal controllable transmission facilities. On October 4, 2022, the group met and reviewed: (1) proposed changes to the current rules governing the expiration and transfer of Capacity Resource Interconnection Service; and (2) proposed enhancements to the determination of transmission security limit values used in calculating locational minimum capacity requirements. The group also met on October 7, 2022 and reviewed: (1) an update regarding the 2022 study to assess certain matters related to the ongoing transition of New York's electric grid; and (2) proposed supplemental tariff revisions related to the distributed energy resource (DER) market participation model.
- Load Forecasting Task Force: The group met on September 27, 2022 and reviewed: (1) preliminary 2022 weather
 normalized peak loads for use in developing the peak load forecasts to be used as part of the installed reserve
 margin study and the administration of the capacity market for the 2023/2024 Capability Year; (2) the peak load
 forecast to be used as part of the installed reserve margin study for the 2023/2024 Capability Year; and (3) an
 assessment of the impacts of weather on load forecast uncertainty in determining winter peak loads.
- <u>Market Issues Working Group</u>: The group has met jointly with ICAPWG and PRLWG three times since the last BIC meeting. On September 30, 2022, the group met and reviewed: (1) considerations related to potential future expansion of the TCC auction model to include use of DER aggregation transmission nodes as potential source and sink points; (2) considerations related to potential enhancements to improve the modeling of the reserve capability provided by duct-firing capability installed at combine cycle units; and (3) proposed rules for energy and ancillary services market participation of internal controllable transmission facilities. The group met on October 4, 2022 and reviewed: (1) an update regarding the Dynamic Reserves project, including example calculations of dynamic reserve requirements and resulting market outcomes; and (2) proposed rules for energy and ancillary services market participation of hybrid storage resources. The group also met on October 7, 2022 and reviewed: (1) an update regarding the 2022 study to assess certain matters related to the ongoing transition of New York's electric grid; and (2) proposed supplemental tariff revisions related to the DER market participation model.
- <u>Price Responsive Load Working Group</u>: The group has met jointly with ICAPWG and MIWG three times since the last BIC meeting (<u>i.e.</u>, September 30, 2022, October 4, 2022, and October 7, 2022). At each meeting, the group reviewed the agenda topics related to distributed energy resources, energy storage resources and/or the NYISO-administered demand response programs.

7. New Business

There was no new business.

Meeting adjourned at 10:35 a.m.

Business Issues Committee Meeting

October 12, 2022 Final Motions

Motion #1:

The Business Issues Committee (BIC) hereby approves the meeting minutes from September 21, 2022. *The motion passed unanimously by show of hands.*

Motion #2:

The Business Issues Committee ("BIC") hereby approves the revisions to the ICAP, DADRP, and EDRP manuals as described in the presentation made to the BIC on October 12, 2022, to become effective on November 1, 2022.

The motion passed unanimously by show of hands.

Motion #3:

The Business Issues Committee ("BIC") hereby approves the revisions to the Ancillary Services manual as described in the presentation made to the BIC on October 12, 2022, to become effective on November 1, 2022.

The motion passed unanimously by show of hands.

New York Independent System Operator - Committee Membership

Business Issues Committee - October 12, 2022 - WebEx - Parties Checked in Attendance

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6	Alternate7	Proxy	Guest
toria Energy LLC	Generation Owners	McCall, Chuck	Browne, Scott	Habib , Phillipe	Singer, Leonard						
onne Energy Center, LLC	Generation Owners	Allman , Ellen	Fromer , Howard								
Valley LLC	Generation Owners	Jerke , Dan	Rumsey , Tom	Litchfield , Matt							
ine	Generation Owners	Kruse, Brett	Reitmeyer, Jay	Flumerfelt, John	Schleimer, Steve						
anta Niagara, LP	Generation Owners	Burke , David	Abbott, Sharon								
ket Valley Energy Center	Generation Owners	Davis , Charles	Wallenstein, Arnold	Paryl, Ron							
ress Creek Renewables	Generation Owners	Kemp , Melissa	Silliman, Keith	Scavo , Marisa							
skammer Energy, LLC	Generation Owners	Reid, William	Cada , Eric								
P Renewables North America LLC	Generation Owners	Brodbeck , John	Loturco, Thomas	High, Jeremy	Priemer, Dustin	Zhang , Kathy					
t Coast Power, LLC	Generation Owners	VPieniazek , Marie	McEachern, Ben	Moore, Kyle	O'Brien, John	Franzetti, Paul	🗸 Marczewski, John				
pire Generating Co, LLC	Generation Owners	Morris, Chandler	Maida , Jeff	Hudson, Daniel							
rgy Nuclear Northeast	Generation Owners	Dell Orto , Ken	Saia, Doreen	Bergeron, John							
On Bowline, LLC	Generation Owners	Vounger, Mark	Rutz, Shaun	Sacks, Jon	Freysinger, Dave						
ePath Power Solutions LLC	Generation Owners	McKissack , Chris	Baur, Sean	Vickery, Chris	Labij , Denis	Arega, Robel					
x Ravenswood LLC	Generation Owners	D'Andrea, James	Galarneau, Kenneth	Toomey, Peter							
ard Wind LLC	Generation Owners	Smith , David	Brocks , Annette	Rohrbach, John							
ck Energy Services, Inc.	Generation Owners	Ferguson, Mike	Vounger, Mark								
vative Energy Systems	Generation Owners	Zeliff, Peter	Henningham, Scott								
nergy Energy Management LLC	Generation Owners Generation Owners	Bangston, Kaley	Goldstein, Michael	Orzel, Chris							
Capture Energy		Goldwasser, Rachel	Musher, Daniel	Fitzgerald, Dan							
I Rockaway Peakers, LLC onal Grid Generation LLC	Generation Owners Generation Owners	Preedy, James	Telford , Kevin McCabe , Brian	Mann, Michael							
h East Offshore, LLC	Generation Owners	Kain , Terrence Reynolds , Melissa	McCabe, Brian Presti, John								
E Renewables Americas, LLC	Generation Owners	Chocarro, Iker	Ayers-Brasher, Jennifer	Burke, Thomas							
rk Cogen Partners, LP	Generation Owners	Biittig, Timothy	rycis-brasher, Jennifer	Burke, Thomas							
bur Wind Energy LLC	Generation Owners	Sherman, Chris	Dowd , Robert	Vincent, Martin							
nergy Company	Other Suppliers	Ellis, Dean	Chintapalli , Raj	Ackerman, Alan							
kfield Energy Marketing L.P.	Other Suppliers	LaRoe , Chris	Talamo, Marco	Dziedzic, Tomasz	Madonna, Phil						
Energy Services, Inc.	Other Suppliers	Berrien, SaLisa	Rabinowitz , Jake								
leton Commodities Merchant Trading L.P.	Other Suppliers	Miraval, Marissa	Stuss, Gordon								
rica Business Solutions Optimize, LLC	Other Suppliers	Breidenbaugh, Aaron									
roup Energy Inc.	Other Suppliers	Gollomp, Jeffrey	Bisaria , Shikher								
solidated Edison Energy, Inc.	Other Suppliers	Flagler , Grant	Napoli, Matthew								
stellation New Energy	Other Suppliers	Barlette , Richard	Kirk, Steven								
s Sound Cable Company, LLC	Other Suppliers	Reinhart, Brian	Rotger, Jose								
Energy	Other Suppliers	Bleiweis, Bruce	Tate, Matthew	Milberg, Sadao	Feng, Fan						
Energy	Other Suppliers	German, Robert	Pakela, Gregory								
ske Commodities US LLC	Other Suppliers	Manders, Maarten	Mah, Norman								
ct Energy Business Marketing, LLC	Other Suppliers	Carrier, Ron	Morris , Sandra								
egy Marketing and Trade	Other Suppliers	Weinstein, Andrew	Allen, Sean								
LX	Other Suppliers	Macrae , Michael	Geller, Greg	Handring D.							
IE Energy Marketing NA, Inc.	Other Suppliers	Bresolin, Sarah	Levine, Jeffrey	Hawkins , Darin			D 1 1 7 1	7111 201 1			
ern Generation	Other Suppliers	Baker, Liam	Schwall, Matthew	Vounger, Mark	Johnson, David	Saia, Doreen	Perdeck, Zachary	Zaludek , Michelle	Bratton , Richard		
gy Spectrum	Other Suppliers	David, Gary	Ahrens, David	Neiburg, David	Iskowitz, Aron	Brown, Ruben	Pentland, William	Villegas, Cristina	Cinadr , Matt		
gy Technology Savings Inc. d/b/a Logical dings	Other Suppliers	Hendler, Jeff	Ross, Valerie								
on Generating Co. LLC	Other Suppliers	Barlette, Richard	Kirk , Steven								
Power	Other Suppliers	Simko , Elliott	Ackerman, Alan								
Energy Services US	Other Suppliers	Vennes, Yannick	Vezina, Louis	🗸 Leuthauser, Scott	Guilbault, Louis	Bélanger , Frédéric					
entive Power	Other Suppliers	Gruber , Craig	Halford, Steve								
uria Energy America, Inc.	Other Suppliers	Davis, Andrew	🗸 Younger, Mark	Gross, Jordan							
an Stanley Capital Group, Inc.	Other Suppliers	Kochonies, Karen	Meditz , Alex	Grimes, Jordan							
Power Marketing Inc.	Other Suppliers	Fitch , Neal	🗸 Popova , Julia	Hsia , Jennifer	Cona , Lisa	Kranz , Bradley					
York Transco	Other Suppliers	Mullin, Victor	Caso , Rob	Carrigan, Kathleen	Haering , Paul						
Era Energy	Other Suppliers	Gardner, Michelle	Dietrich , Cheryl	Hollis, Gabriel	-						
io Power Generation, Inc.	Other Suppliers	Lauritsen, Kim									
Energy Resource & Trade, LLC	Other Suppliers	Corash , Richard	DePillo, Raymond	Cimino , David	Dillon, George						
rbay Corporation	Other Suppliers	Merola , Peter	Ellison, Noel								
CO Enterprises, LLC	Other Suppliers	Schubiger, Michael	Thoresen, James								
ll Energy North America, LLC	Other Suppliers	Picardi, Matt	Dannels, Jeff								

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
Stephentown Spindle, LLC	Other Suppliers	Streeter, Christopher						
Viridity Energy, Inc.	Other Suppliers	Pavo, Michael	Butt, Justin	Ward, Theodora	Schulze, Jim	Misciagna , Mark		
Vitol Inc.	Other Suppliers	Wadsworth, Joe	Conn, Averill	Kahn , Casey				
XO Energy NY, LP	Other Suppliers	Drangula , Carey	Thompson, Matthew	Hughes , Adam				
Central Hudson Gas & Electric Corp.	Transmission Owners	May, Jeff	Chan, Ting	Jolly , James	Delmar, Valerie			
Consolidated Edison Co. of NY, Inc.	Transmission Owners	Lazarus , Dana	Kiselev, Dimitry	🗸 Islam , Lubaba	Raup, Chris	Butterklee, Neil	LoFrumento, Susan	
National Grid	Transmission Owners	Gonsalves, Shelanda	Lodemore , David					
New York State Electric & Gas (NYSEG)	Transmission Owners	Caletka, Patricia	🗸 Novicki , Alex	Lynch , Tim				
Orange & Rockland Utilities, Inc.	Transmission Owners							
Rochester Gas and Electric Corp.	Transmission Owners	Caletka, Patricia	Brophy, Richard	Lynch , Tim				
Alcoa, Inc.	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Goodman, Jay	Lang, Kevin		
GlobalFoundries, U.S., Inc.	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Goodman , Jay	Lang, Kevin		
IBM Corporation	Large Consumer	Mager, Michael	Loughney, Robert	Trinsey, Amanda	Goodman , Jay	Lang, Kevin		
Nucor Steel Auburn, Inc. Wegmans Food Markets	Large Consumer Large Consumer	Brew, James	Mackaronis, Chris	Baker, Laura	Briscar, Joseph	Long Kavin		
Metropolitan Transportation Authority	Large Consumer Government Agency	Mager, Michael Keller , David	Loughney, Robert Chou, Frances	Trinsey, Amanda	Goodman , Jay	Lang, Kevin		
Beth Israel Health Care System	Small Consumer	Duncan, Taylor	Lang, Kevin	Mager, Michael	Trinsey, Amanda			
Fordham University	Small Consumer	Duncan, Taylor	Lang, Kevin	Mager, Michael	Trinsey, Amanda	Goodman, Jay		
Memorial Sloan Kettering Cancer Center	Small Consumer	Duncan, Taylor	Lang, Kevin	Mager, Michael	Trinsey, Amanda			
Mount Sinai Medical Center	Small Consumer	Duncan, Taylor	Lang, Kevin	Mager, Michael	Trinsey, Amanda			
New York University	Small Consumer	Duncan, Taylor	Lang, Kevin	Mager, Michael	Trinsey, Amanda			
Utility Intervention Unit, Division of Consumer	Government Statewide Consumer Advocate	Hogan, Erin	Montalvo, Marc					
Protection, NY Dept. of State		nogan , zim	infoliati (o , infate					
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	Matteson, Schuyler	Zielinski, Andrew	Mas , Carl	Coup, David		
	Aggregate			Ziemiski, ruidiew	intas , Cuir	Coup, Duvid		
Long Island Power Authority	State Power Authorities	Clarke, Dave	Wilczek , Mariann					
New York Power Authority	State Power Authorities	Antinori, Andrew	Michaels, Alan	🗸 Cordi , John	Kane , James			
Bath Electric, Gas & Water Systems	Municipalities and Coops	Bonacci, Erin	Wentlent, Chris	Cordeiro, Mark				
Freeport Electric	Municipalities and Coops	Livingston, Al	Rudebusch, Tom	Fiore, Chris				
Jamestown Board of Public Utilities	Municipalities and Coops	Sellstrom , Kris	Leathers, David	Allen , Cory	Rudebusch, Tom			
Lake Placid Village	Municipalities and Coops	Daby , Kimball	Wentlent, Chris	Cordeiro, Mark				
Municipal Commission of Boonville	Municipalities and Coops	Varner, Doug	Wentlent, Chris	Cordeiro, Mark				
Plattsburgh Municipal Lighting Dept	Municipalities and Coops	Treacy, William	Wentlent, Chris	Cordeiro, Mark				
Village of Arcade	Municipalities and Coops	Kilburn, Larry	Wentlent, Chris	Cordeiro, Mark				
Village of Fairport	Municipalities and Coops	Hegarty, Matt	Wentlent, Chris	Cordeiro, Mark				
Village of Rockville Centre	Municipalities and Coops	Foglietta, Eileen	Valenzano, Michael	Rudebusch, Tom				
Village of Solvay	Municipalities and Coops	Hawksby, Joe	Wentlent, Chris	Cordeiro, Mark				
Village of Westfield	Municipalities and Coops	Thompson , Andrew	Wentlent, Chris	Cordeiro, Mark				
American Clean Power Association	Environmental	Reynolds, Anne	Reeder , Mark	Fink , Sari	Tabak , Gabe	Grace, Gene		
Environmental Advocates	Environmental	Bambrick, Conor	Casey, Christopher	Murray, Frank				
Environmental Defense Fund	Environmental	Peress J., Naim	Stein, Elizabeth	Karas , Natalie	Murphy, Erin			
Natural Resources Defense Council	Environmental	Casey , Christopher	Howe, Cullen	Murray , Frank	Walsh , Christy	-		
New York City Environmental Justice Alliance	Environmental	Garcia, Carlos	Bautista, Eddie					
PACE Energy & Climate Center Riverkeeper	Environmental Environmental	Hart , Craig Webster , Richard	Valova , Radina Morris, Jackson	Howe, Cullen				
AES ES Holdings LLC	Non Voting	Kumar, Manish	WOITIS, JACKSOII					
Able Grid Energy Solutions, Inc.	Non Voting	Lines, Sam	Mills , Sara					
Acadia Center	Non Voting	Sosland, Daniel	inino, bulu					
Alliance for Clean Energy New York	Non Voting	Reynolds, Anne	Reeder, Mark	Addepalli, Raj	Rabin , Kyle			
Anbaric Development Partners, LLC	Non Voting	Kosel, Howard	Sanderson, Bryan	Bruno , Clarke				
Appian Way Energy Partners East, LLC	Non Voting	Levy, Tal	Klein, Abram	Shen, Dong	Westlund , John	Laich , Marcus		
Ardor Energy LLC	Non Voting	Breen , Erika						
Avangrid Renewables, Inc.	Non Voting	Kilgallen, Kevin	Sokolski , Adam					
Bakerstand Solar, LLC	Non Voting	🗸 Caplan , Michael						
Bloom Energy	Non Voting	Noonan, Brian						
Boston Energy Marketing & Trading	Non Voting	✓ Kramek , Mike						
Bruce Power	Non Voting	Jain , Anshul	Meyer, Sandra					
CPower	Non Voting	Dotson-Westphalen, Peter	Hourihan, Michael	Damaskos, Deno	Campbell, Bruce			
Caithness Energy LLC	Non Voting	Keevill, Gary	Alvarez , Asavari	Garber, Mitchell				
Calpine Energy Solutions	Non Voting	Sun, Jungsuk	Nakhonthap, Jade	Sunga, Leonard				
ConnectGen East, LLC	Non Voting	Rieman, Derek	Nash, Colleen	Turner, Becky				
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	I		I

T	Alternate7	Proxy	Guest
		✓ Ackerman, Alan ✓ Ackerman, Alan	

Organization	Sector	Representative	Alternate1	Alternate2	Alternate3	Alternate4	Alternate5	Alternate6
Energya VM	Non Voting	Garcia, Francisco	Maeso, Manual	Lopez , Ana	Corvillo, Cristina			
Fluent Energy	Non Voting	Acampora, Peter	Doll, Ed					
GI Energy	Non Voting	Falcier, Peter	Robinson, James					
Hanwha Q CELLS USA Corp.	Non Voting	Miller , Amy						
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					
Institute for Policy Integrity at NYU School of Law	Non Voting	Unel, Burcin	Ladin , Sarah					
Jupiter Power LLC	Non Voting	Smith , Caitlin						
LS Power Grid NY	Non Voting	Willick , Lawrence	🗸 Lundin , Tim	Brau, Brian	York , Joshua			
Lockport Energy Assoc.	Non Voting	Gesicki, Thomas	Youngberg , Mar y					
Lyonsdale Biomass, LLC	Non Voting	Ralston, William	Hebel, Nathan	Carrigan, Kathleen				
MAG Energy Solutions, Inc.	Non Voting	Pelletier, Simon	Vezina, Alexandre					
Marathon Energy	Non Voting	Nichols, Jim	Yeager, Keith					
NRG Curtailment Solutions, Inc.	Non Voting	🗸 Popova , Julia	Ainspan , Malcolm	Pieniazek, Marie				
NY-BEST Consortium	Non Voting	Acker, William	Sheehan, Denise					
NYS Department of Public Service	Non Voting	Paynter, Thomas	Evans, Adam					
National Fuel Gas Distribution Corporation	Non Voting	Stankovski , Maryann	Eck, Robert					
New Athens Generating Co. LLC	Non Voting	Tripp , Hank						
Northeast Clean Heat & Power Initiative	Non Voting	Melpignano, Kristin	Brown, Ruben	Cinadr , Matt	Dwyer, Herb	Lillian, Jon		
NuEnergen	Non Voting	Nole, Anthony	Hamilton, Kevin					
Plus Power, LLC	Non Voting	Fraenkel, Alex						
RENEW Northeast	Non Voting	Pullaro, Francis	Krich, Abigail					
Richard P. Felak	Non Voting	Felak, Rich						
Rodan Energy Solutions (USA) Inc.	Non Voting	Young , Craig						
Saracen Energy East LP	Non Voting	Peebles, Andy	Theriot, Kim					
Savion, LLC	Non Voting	Doering, Anthony	Sunderman, Derek					
Siemens Energy, Inc.	Non Voting	Feltes, James						
Taylor Biomass Energy, LLC	Non Voting	Taylor , Jim	Page, Allan					
Teichos Energy, LLC	Non Voting	Maclearnsberry, Kirk	VanCoevering, Darrel					
Tesla, Inc.	Non Voting	Van Cleve, Sarah	Gilfenbaum , Eliah					
TransAlta Energy Marketing (U.S.) Inc.	Non Voting	Nivolianitis, Ted	Abend , Erik					
Transmission Developers Inc.	Non Voting	Jessome, Donald	Helmer, William	Harrison, Bob	Coxe, Raymond			
Transource New York, LLC	Non Voting	Rupert, David	Cundiff, Robert					
Voltus, Inc.	Non Voting	Guernsey, Dana	Amores, Angel	Fan, Jianing	Bates-Wannop , Allison	Konidena , Rao		
Wheelabrator Technologies, Inc.	Non Voting	Goldie , Reg	Ginnetti, Jim					
William P. Short	Non Voting	Short, William	Schaefer, Marc		Savage, Paul	Verna, Jim		

6	Alternate7	Proxy	Guest