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November 26, 2013

VIA EMAIL (submissions@cftc.gov)

Commodity Futures Trading Commission
Attention: Melissa Jurgens, Secretary
Three Lafayette Centre
1155 21st Street, NW
Washington, DC 20581

**Re: Supplemental Submission to CFTC Regulation 40.6(a) Amendments to
Appendix C of the Nodal Exchange Rulebook on November 25, 2013**

Dear Ms. Jurgens:

On November 25, 2013, Nodal Exchange, LLC ("Nodal Exchange" or "Exchange") notified the Commodity Futures Trading Commission ("CFTC" or "Commission") that it is self-certifying an amendment to Appendix C of the Nodal Exchange Rulebook (Reporting Levels, Accountability Levels and Position Limits) pursuant to Commission Regulation 40.6(a). Supplemental information to the amended Appendix C is attached hereto, providing delivery supply data to support the amendments to Appendix C.

If you have any question or need additional information regarding this submission, please contact me at 703-962-9835 or Herrera@nodalexchange.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Anita Herrera'.

Anita Herrera
Chief Regulatory Officer

Attachments:

Submission Cover Sheet
Deliverable Supply by Contract – Excel format
Deliverable Supply by Contract – pdf format

Exhibit 1A Deliverable Supply by Contract

Exhibit 1A Deliverable Supply by Contract - Power

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HLA	CAISO	CAISO.DLAP PGAE-APND month on dac	DLAP PGAE-APND	Zone	Day Ahead Congestion + Energy	On Peak	13,045 MW	
HLB	CAISO	CAISO.DLAP PGAE-APND month off dac	DLAP PGAE-APND	Zone	Day Ahead Congestion + Energy	Off Peak	10,821 MW	
FOW	CAISO	CAISO.DLAP PGAE-APND month on dap	DLAP PGAE-APND	Zone	Day Ahead Power	On Peak	13,045 MW	
FOX	CAISO	CAISO.DLAP PGAE-APND month off dap	DLAP PGAE-APND	Zone	Day Ahead Power	Off Peak	10,821 MW	
HLC	CAISO	CAISO.DLAP SCE-APND month on dac	DLAP SCE-APND	Zone	Day Ahead Congestion + Energy	On Peak	13,211 MW	
HLD	CAISO	CAISO.DLAP SCE-APND month off dac	DLAP SCE-APND	Zone	Day Ahead Congestion + Energy	Off Peak	10,514 MW	
FOY	CAISO	CAISO.DLAP SCE-APND month on dap	DLAP SCE-APND	Zone	Day Ahead Power	On Peak	13,211 MW	
FOZ	CAISO	CAISO.DLAP SCE-APND month off dap	DLAP SCE-APND	Zone	Day Ahead Power	Off Peak	10,514 MW	
HLE	CAISO	CAISO.DLAP SDGE-APND month on dac	DLAP SDGE-APND	Zone	Day Ahead Congestion + Energy	On Peak	2,675 MW	
HLF	CAISO	CAISO.DLAP SDGE-APND month off dac	DLAP SDGE-APND	Zone	Day Ahead Congestion + Energy	Off Peak	2,059 MW	
FPA	CAISO	CAISO.DLAP SDGE-APND month on dap	DLAP SDGE-APND	Zone	Day Ahead Power	On Peak	2,675 MW	
FPB	CAISO	CAISO.DLAP SDGE-APND month off dap	DLAP SDGE-APND	Zone	Day Ahead Power	Off Peak	2,059 MW	
GXY	ERCOT	ERCOT.LZ AEN month on dap	LZ AEN	Zone	Day Ahead Power	On Peak	1,663 MW	
GXZ	ERCOT	ERCOT.LZ AEN month off dap	LZ AEN	Zone	Day Ahead Power	Off Peak	1,382 MW	
GYA	ERCOT	ERCOT.LZ AEN month 7x8 dap	LZ AEN	Zone	Day Ahead Power	7x8 Off Peak	1,274 MW	
GYB	ERCOT	ERCOT.LZ AEN month 2x16 dap	LZ AEN	Zone	Day Ahead Power	2x16 PeakWE	1,537 MW	
GXU	ERCOT	ERCOT.LZ CPS month on dap	LZ CPS	Zone	Day Ahead Power	On Peak	3,920 MW	
GXV	ERCOT	ERCOT.LZ CPS month off dap	LZ CPS	Zone	Day Ahead Power	Off Peak	3,258 MW	
GXW	ERCOT	ERCOT.LZ CPS month 7x8 dap	LZ CPS	Zone	Day Ahead Power	7x8 Off Peak	3,004 MW	
GXX	ERCOT	ERCOT.LZ CPS month 2x16 dap	LZ CPS	Zone	Day Ahead Power	2x16 PeakWE	3,624 MW	
FVK	ERCOT	ERCOT.LZ HOUSTON month on dap	LZ HOUSTON	Zone	Day Ahead Power	On Peak	11,036 MW	
FVL	ERCOT	ERCOT.LZ HOUSTON month off dap	LZ HOUSTON	Zone	Day Ahead Power	Off Peak	9,170 MW	
GAT	ERCOT	ERCOT.LZ HOUSTON month 7x8 dap	LZ HOUSTON	Zone	Day Ahead Power	7x8 Off Peak	8,457 MW	
GAS	ERCOT	ERCOT.LZ HOUSTON month 2x16 dap	LZ HOUSTON	Zone	Day Ahead Power	2x16 PeakWE	10,203 MW	
FUJ	ERCOT	ERCOT.LZ HOUSTON month on rtp	LZ HOUSTON	Zone	Real Time Power	On Peak	11,036 MW	
FUV	ERCOT	ERCOT.LZ HOUSTON month off rtp	LZ HOUSTON	Zone	Real Time Power	Off Peak	9,170 MW	
GBJ	ERCOT	ERCOT.LZ HOUSTON month 7x8 rtp	LZ HOUSTON	Zone	Real Time Power	7x8 Off Peak	8,457 MW	
GBI	ERCOT	ERCOT.LZ HOUSTON month 2x16 rtp	LZ HOUSTON	Zone	Real Time Power	2x16 PeakWE	10,203 MW	
GXQ	ERCOT	ERCOT.LZ LCRA month on dap	LZ LCRA	Zone	Day Ahead Power	On Peak	2,095 MW	
GXR	ERCOT	ERCOT.LZ LCRA month off dap	LZ LCRA	Zone	Day Ahead Power	Off Peak	1,741 MW	
GXS	ERCOT	ERCOT.LZ LCRA month 7x8 dap	LZ LCRA	Zone	Day Ahead Power	7x8 Off Peak	1,605 MW	
GXT	ERCOT	ERCOT.LZ LCRA month 2x16 dap	LZ LCRA	Zone	Day Ahead Power	2x16 PeakWE	1,937 MW	
HRS	ERCOT	ERCOT.LZ LCRA month on rtp	LZ LCRA	Zone	Real Time Power	On Peak	2,095 MW	
HRT	ERCOT	ERCOT.LZ LCRA month off rtp	LZ LCRA	Zone	Real Time Power	Off Peak	1,741 MW	
FVM	ERCOT	ERCOT.LZ NORTH month on dap	LZ NORTH	Zone	Day Ahead Power	On Peak	16,788 MW	
FVN	ERCOT	ERCOT.LZ NORTH month off dap	LZ NORTH	Zone	Day Ahead Power	Off Peak	13,950 MW	
GAV	ERCOT	ERCOT.LZ NORTH month 7x8 dap	LZ NORTH	Zone	Day Ahead Power	7x8 Off Peak	12,865 MW	
GAU	ERCOT	ERCOT.LZ NORTH month 2x16 dap	LZ NORTH	Zone	Day Ahead Power	2x16 PeakWE	15,522 MW	
FUW	ERCOT	ERCOT.LZ NORTH month on rtp	LZ NORTH	Zone	Real Time Power	On Peak	16,788 MW	
FUX	ERCOT	ERCOT.LZ NORTH month off rtp	LZ NORTH	Zone	Real Time Power	Off Peak	13,950 MW	
GBL	ERCOT	ERCOT.LZ NORTH month 7x8 rtp	LZ NORTH	Zone	Real Time Power	7x8 Off Peak	12,865 MW	
GBK	ERCOT	ERCOT.LZ NORTH month 2x16 rtp	LZ NORTH	Zone	Real Time Power	2x16 PeakWE	15,522 MW	
FVQ	ERCOT	ERCOT.LZ SOUTH month on dap	LZ SOUTH	Zone	Day Ahead Power	On Peak	5,757 MW	
FVP	ERCOT	ERCOT.LZ SOUTH month off dap	LZ SOUTH	Zone	Day Ahead Power	Off Peak	4,784 MW	
GAX	ERCOT	ERCOT.LZ SOUTH month 7x8 dap	LZ SOUTH	Zone	Day Ahead Power	7x8 Off Peak	4,412 MW	
GAW	ERCOT	ERCOT.LZ SOUTH month 2x16 dap	LZ SOUTH	Zone	Day Ahead Power	2x16 PeakWE	5,323 MW	
FUY	ERCOT	ERCOT.LZ SOUTH month on rtp	LZ SOUTH	Zone	Real Time Power	On Peak	5,757 MW	
FUZ	ERCOT	ERCOT.LZ SOUTH month off rtp	LZ SOUTH	Zone	Real Time Power	Off Peak	4,784 MW	
GBN	ERCOT	ERCOT.LZ SOUTH month 7x8 rtp	LZ SOUTH	Zone	Real Time Power	7x8 Off Peak	4,412 MW	
GBM	ERCOT	ERCOT.LZ SOUTH month 2x16 rtp	LZ SOUTH	Zone	Real Time Power	2x16 PeakWE	5,323 MW	
FVQ	ERCOT	ERCOT.LZ WEST month on dap	LZ WEST	Zone	Day Ahead Power	On Peak	3,076 MW	
FVR	ERCOT	ERCOT.LZ WEST month off dap	LZ WEST	Zone	Day Ahead Power	Off Peak	2,556 MW	
GAZ	ERCOT	ERCOT.LZ WEST month 7x8 dap	LZ WEST	Zone	Day Ahead Power	7x8 Off Peak	2,357 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GAY	ERCOT	ERCOT.LZ.WEST_month_2x16_dap	LZ.WEST	Zone	Day Ahead Power	2x16 PeakWE	2,844 MW	
FVA	ERCOT	ERCOT.LZ.WEST_month_on_rtp	LZ.WEST	Zone	Real Time Power	On Peak	3,076 MW	
FVB	ERCOT	ERCOT.LZ.WEST_month_off_rtp	LZ.WEST	Zone	Real Time Power	Off Peak	2,556 MW	
GBP	ERCOT	ERCOT.LZ.WEST_month_7x8_rtp	LZ.WEST	Zone	Real Time Power	7x8 Off Peak	2,357 MW	
GBO	ERCOT	ERCOT.LZ.WEST_month_2x16_rtp	LZ.WEST	Zone	Real Time Power	2x16 PeakWE	2,844 MW	
HPG	ISONE	ISONE..Z.CONNNECTICUT_month_on_dac	.Z.CONNNECTICUT	Zone	Day Ahead Congestion + Energy	On Peak	4,137 MW	
HPH	ISONE	ISONE..Z.CONNNECTICUT_month_off_dac	.Z.CONNNECTICUT	Zone	Day Ahead Congestion + Energy	Off Peak	3,199 MW	
AAO	ISONE	ISONE..Z.CONNNECTICUT_month_on_dap	.Z.CONNNECTICUT	Zone	Day Ahead Power	On Peak	4,137 MW	
AAP	ISONE	ISONE..Z.CONNNECTICUT_month_off_dap	.Z.CONNNECTICUT	Zone	Day Ahead Power	Off Peak	3,199 MW	
HPI	ISONE	ISONE..Z.MAINE_month_on_dac	.Z.MAINE	Zone	Day Ahead Congestion + Energy	On Peak	1,545 MW	
HPJ	ISONE	ISONE..Z.MAINE_month_off_dac	.Z.MAINE	Zone	Day Ahead Congestion + Energy	Off Peak	1,264 MW	
AAQ	ISONE	ISONE..Z.MAINE_month_on_dap	.Z.MAINE	Zone	Day Ahead Power	On Peak	1,545 MW	
AAR	ISONE	ISONE..Z.MAINE_month_off_dap	.Z.MAINE	Zone	Day Ahead Power	Off Peak	1,264 MW	
HPK	ISONE	ISONE..Z.NEMASSBOST_month_on_dac	.Z.NEMASSBOST	Zone	Day Ahead Congestion + Energy	On Peak	3,353 MW	
HPL	ISONE	ISONE..Z.NEMASSBOST_month_off_dac	.Z.NEMASSBOST	Zone	Day Ahead Congestion + Energy	Off Peak	2,622 MW	
AAS	ISONE	ISONE..Z.NEMASSBOST_month_on_dap	.Z.NEMASSBOST	Zone	Day Ahead Power	On Peak	3,353 MW	
AAT	ISONE	ISONE..Z.NEMASSBOST_month_off_dap	.Z.NEMASSBOST	Zone	Day Ahead Power	Off Peak	2,622 MW	
HPM	ISONE	ISONE..Z.NEWHAMPSHIRE_month_on_dac	.Z.NEWHAMPSHIRE	Zone	Day Ahead Congestion + Energy	On Peak	2,129 MW	
HPN	ISONE	ISONE..Z.NEWHAMPSHIRE_month_off_dac	.Z.NEWHAMPSHIRE	Zone	Day Ahead Congestion + Energy	Off Peak	1,640 MW	
AAU	ISONE	ISONE..Z.NEWHAMPSHIRE_month_on_dap	.Z.NEWHAMPSHIRE	Zone	Day Ahead Power	On Peak	2,129 MW	
AAV	ISONE	ISONE..Z.NEWHAMPSHIRE_month_off_dap	.Z.NEWHAMPSHIRE	Zone	Day Ahead Power	Off Peak	1,640 MW	
HPO	ISONE	ISONE..Z.RHODEISLAND_month_on_dac	.Z.RHODEISLAND	Zone	Day Ahead Congestion + Energy	On Peak	1,384 MW	
HPP	ISONE	ISONE..Z.RHODEISLAND_month_off_dac	.Z.RHODEISLAND	Zone	Day Ahead Congestion + Energy	Off Peak	1,071 MW	
AAW	ISONE	ISONE..Z.RHODEISLAND_month_on_dap	.Z.RHODEISLAND	Zone	Day Ahead Power	On Peak	1,384 MW	
AAX	ISONE	ISONE..Z.RHODEISLAND_month_off_dap	.Z.RHODEISLAND	Zone	Day Ahead Power	Off Peak	1,071 MW	
HPQ	ISONE	ISONE..Z.SEMASS_month_on_dac	.Z.SEMASS	Zone	Day Ahead Congestion + Energy	On Peak	1,968 MW	
HPR	ISONE	ISONE..Z.SEMASS_month_off_dac	.Z.SEMASS	Zone	Day Ahead Congestion + Energy	Off Peak	1,530 MW	
AAZ	ISONE	ISONE..Z.SEMASS_month_on_dap	.Z.SEMASS	Zone	Day Ahead Power	On Peak	1,968 MW	
AA1	ISONE	ISONE..Z.SEMASS_month_off_dap	.Z.SEMASS	Zone	Day Ahead Power	Off Peak	1,530 MW	
HPS	ISONE	ISONE..Z.VERMONT_month_on_dac	.Z.VERMONT	Zone	Day Ahead Congestion + Energy	On Peak	741 MW	
HPT	ISONE	ISONE..Z.VERMONT_month_off_dac	.Z.VERMONT	Zone	Day Ahead Congestion + Energy	Off Peak	598 MW	
ABA	ISONE	ISONE..Z.VERMONT_month_on_dap	.Z.VERMONT	Zone	Day Ahead Power	On Peak	741 MW	
ABB	ISONE	ISONE..Z.VERMONT_month_off_dap	.Z.VERMONT	Zone	Day Ahead Power	Off Peak	598 MW	
HPU	ISONE	ISONE..Z.WCMASS_month_on_dac	.Z.WCMASS	Zone	Day Ahead Congestion + Energy	On Peak	2,295 MW	
HPV	ISONE	ISONE..Z.WCMASS_month_off_dac	.Z.WCMASS	Zone	Day Ahead Congestion + Energy	Off Peak	1,789 MW	
ABC	ISONE	ISONE..Z.WCMASS_month_on_dap	.Z.WCMASS	Zone	Day Ahead Power	On Peak	2,295 MW	
ABD	ISONE	ISONE..Z.WCMASS_month_off_dap	.Z.WCMASS	Zone	Day Ahead Power	Off Peak	1,789 MW	
AOA	MISO	MISO.ALTE.ALTE_month_on_dap	ALTE.ALTE	Zone	Day Ahead Power	On Peak	1,995 MW	
AOB	MISO	MISO.ALTE.ALTE_month_off_dap	ALTE.ALTE	Zone	Day Ahead Power	Off Peak	1,647 MW	
FZI	MISO	MISO.ALTW.ALTW_month_on_dap	ALTW.ALTW	Zone	Day Ahead Power	On Peak	3,301 MW	
FZJ	MISO	MISO.ALTW.ALTW_month_off_dap	ALTW.ALTW	Zone	Day Ahead Power	Off Peak	2,725 MW	
BJS	MISO	MISO.CWLD.CWLD_month_on_dap	CWLD.CWLD	Zone	Day Ahead Power	On Peak	188 MW	
BJT	MISO	MISO.CWLD.CWLD_month_off_dap	CWLD.CWLD	Zone	Day Ahead Power	Off Peak	155 MW	
GBS	MISO	MISO.DPC.DPC_month_on_dap	DPC.DPC	Zone	Day Ahead Power	On Peak	698 MW	
GBT	MISO	MISO.DPC.DPC_month_off_dap	DPC.DPC	Zone	Day Ahead Power	Off Peak	576 MW	
CFA	MISO	MISO.NSP.NSP_month_on_dap	NSP.NSP	Zone	Day Ahead Power	On Peak	6,377 MW	
CFB	MISO	MISO.NSP.NSP_month_off_dap	NSP.NSP	Zone	Day Ahead Power	Off Peak	5,264 MW	
CJK	MISO	MISO.OTP.OTP_month_on_dap	OTP.OTP	Zone	Day Ahead Power	On Peak	891 MW	
CJL	MISO	MISO.OTP.OTP_month_off_dap	OTP.OTP	Zone	Day Ahead Power	Off Peak	735 MW	
CQJ	MISO	MISO.WPS.WPSM_month_on_dap	WPS.WPSM	Zone	Day Ahead Power	On Peak	1,773 MW	
CQJ	MISO	MISO.WPS.WPSM_month_off_dap	WPS.WPSM	Zone	Day Ahead Power	Off Peak	1,464 MW	
HUC	MISO	MISO.WPS.WPSM_month_on_rtp	WPS.WPSM	Zone	Real Time Power	On Peak	1,773 MW	
HUD	MISO	MISO.WPS.WPSM_month_off_rtp	WPS.WPSM	Zone	Real Time Power	Off Peak	1,464 MW	
GOS	MISO_RTO	MISO_RTO.ALTE.ALTE_month_on_dac	ALTE.ALTE	Zone	Day Ahead Congestion + Energy	On Peak	1,995 MW	
GOT	MISO_RTO	MISO_RTO.ALTE.ALTE_month_off_dac	ALTE.ALTE	Zone	Day Ahead Congestion + Energy	Off Peak	1,647 MW	
GOU	MISO_RTO	MISO_RTO.ALTW.ALTW_month_on_dap	ALTW.ALTW	Zone	Day Ahead Congestion + Energy	On Peak	3,301 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GOV	MISO	RTO.ALTW.ALTW_month_off_dac	ALTW.ALTW	Zone	Day Ahead Congestion + Energy	Off Peak	2,725 MW	
GOA	MISO	RTO.AMMO.UE_month_on_dac	AMMO.UE	Zone	Day Ahead Congestion + Energy	On Peak	5,772 MW	
GOB	MISO	RTO.AMMO.UE_month_off_dac	AMMO.UE	Zone	Day Ahead Congestion + Energy	Off Peak	4,765 MW	
AYU	MISO	RTO.AMMO.UE_month_on_dap	AMMO.UE	Zone	Day Ahead Power	On Peak	5,772 MW	
AYV	MISO	RTO.AMMO.UE_month_off_dap	AMMO.UE	Zone	Day Ahead Power	Off Peak	4,765 MW	
GOY	MISO	RTO.CIN.PSI_month_on_dac	CIN.PSI	Zone	Day Ahead Congestion + Energy	On Peak	4,846 MW	
GOZ	MISO	RTO.CIN.PSI_month_off_dac	CIN.PSI	Zone	Day Ahead Congestion + Energy	Off Peak	4,000 MW	
BDY	MISO	RTO.CIN.PSI_month_on_dap	CIN.PSI	Zone	Day Ahead Power	On Peak	4,846 MW	
BDZ	MISO	RTO.CIN.PSI_month_off_dap	CIN.PSI	Zone	Day Ahead Power	Off Peak	4,000 MW	
GPQ	MISO	RTO.DPC.DPC_month_on_dac	DPC.DPC	Zone	Day Ahead Congestion + Energy	On Peak	698 MW	
GPR	MISO	RTO.DPC.DPC_month_off_dac	DPC.DPC	Zone	Day Ahead Congestion + Energy	Off Peak	576 MW	
GQA	MISO	RTO.GRE.GRE_month_on_dac	GRE.GRE	Zone	Day Ahead Congestion + Energy	On Peak	1,935 MW	
GQB	MISO	RTO.GRE.GRE_month_off_dac	GRE.GRE	Zone	Day Ahead Congestion + Energy	Off Peak	1,597 MW	
GOK	MISO	RTO.IPL.IPL_month_on_dac	IPL.IPL	Zone	Day Ahead Congestion + Energy	On Peak	2,099 MW	
GOL	MISO	RTO.IPL.IPL_month_off_dac	IPL.IPL	Zone	Day Ahead Congestion + Energy	Off Peak	1,733 MW	
GQE	MISO	RTO.MDU.MDU_month_on_dac	MDU.MDU	Zone	Day Ahead Congestion + Energy	On Peak	401 MW	
GQF	MISO	RTO.MDU.MDU_month_off_dac	MDU.MDU	Zone	Day Ahead Congestion + Energy	Off Peak	331 MW	
BXC	MISO	RTO.MDU.MDU_month_on_dap	MDU.MDU	Zone	Day Ahead Power	On Peak	401 MW	
BXD	MISO	RTO.MDU.MDU_month_off_dap	MDU.MDU	Zone	Day Ahead Power	Off Peak	331 MW	
GQG	MISO	RTO.MEC.MECB_month_on_dac	MEC.MECB	Zone	Day Ahead Congestion + Energy	On Peak	3,972 MW	
GQH	MISO	RTO.MEC.MECB_month_off_dac	MEC.MECB	Zone	Day Ahead Congestion + Energy	Off Peak	3,279 MW	
FLU	MISO	RTO.MEC.MECB_month_on_dap	MEC.MECB	Zone	Day Ahead Power	On Peak	3,972 MW	
FLV	MISO	RTO.MEC.MECB_month_off_dap	MEC.MECB	Zone	Day Ahead Power	Off Peak	3,279 MW	
GQM	MISO	RTO.NIPS.NIPS_month_on_dac	NIPS.NIPS	Zone	Day Ahead Congestion + Energy	On Peak	2,064 MW	
GQN	MISO	RTO.NIPS.NIPS_month_off_dac	NIPS.NIPS	Zone	Day Ahead Congestion + Energy	Off Peak	1,704 MW	1,537 MW
GQQ	MISO	RTO.SIGE.SIGW_month_on_dac	SIGE.SIGW	Zone	Day Ahead Congestion + Energy	On Peak	872 MW	
GQR	MISO	RTO.SIGE.SIGW_month_off_dac	SIGE.SIGW	Zone	Day Ahead Congestion + Energy	Off Peak	720 MW	
GPC	MISO	RTO.SIPC.SIPC_month_on_dac	SIPC.SIPC	Zone	Day Ahead Congestion + Energy	On Peak	242 MW	
GPD	MISO	RTO.SIPC.SIPC_month_off_dac	SIPC.SIPC	Zone	Day Ahead Congestion + Energy	Off Peak	199 MW	
GQU	MISO	RTO.SMP.SMP_month_on_dac	SMP.SMP	Zone	Day Ahead Congestion + Energy	On Peak	422 MW	
GQV	MISO	RTO.SMP.SMP_month_off_dac	SMP.SMP	Zone	Day Ahead Congestion + Energy	Off Peak	348 MW	
HHO	NYISO	CAPITL_month_on_dac	CAPITL	Zone	Day Ahead Congestion + Energy	On Peak	2,065 MW	
HHP	NYISO	CAPITL_month_off_dac	CAPITL	Zone	Day Ahead Congestion + Energy	Off Peak	1,663 MW	
CTE	NYISO	CAPITL_month_on_dap	CAPITL	Zone	Day Ahead Power	On Peak	2,065 MW	
CTF	NYISO	CAPITL_month_off_dap	CAPITL	Zone	Day Ahead Power	Off Peak	1,663 MW	
HBG	NYISO	CENTRL_month_on_dac	CENTRL	Zone	Day Ahead Congestion + Energy	On Peak	2,893 MW	
HBH	NYISO	CENTRL_month_off_dac	CENTRL	Zone	Day Ahead Congestion + Energy	Off Peak	2,356 MW	
CTQ	NYISO	CENTRL_month_on_dap	CENTRL	Zone	Day Ahead Power	On Peak	2,893 MW	
CTR	NYISO	CENTRL_month_off_dap	CENTRL	Zone	Day Ahead Power	Off Peak	2,356 MW	
HBS	NYISO	DUNWOD_month_on_dac	DUNWOD	Zone	Day Ahead Congestion + Energy	On Peak	800 MW	
HBT	NYISO	DUNWOD_month_off_dac	DUNWOD	Zone	Day Ahead Congestion + Energy	Off Peak	624 MW	
CUU	NYISO	DUNWOD_month_on_dap	DUNWOD	Zone	Day Ahead Power	On Peak	800 MW	
CUV	NYISO	DUNWOD_month_off_dap	DUNWOD	Zone	Day Ahead Power	Off Peak	624 MW	
HCE	NYISO	GENESE_month_on_dac	GENESE	Zone	Day Ahead Congestion + Energy	On Peak	1,295 MW	
HCF	NYISO	GENESE_month_off_dac	GENESE	Zone	Day Ahead Congestion + Energy	Off Peak	1,019 MW	
CWE	NYISO	GENESE_month_on_dap	GENESE	Zone	Day Ahead Power	On Peak	1,295 MW	
CWF	NYISO	GENESE_month_off_dap	GENESE	Zone	Day Ahead Power	Off Peak	1,019 MW	
HCU	NYISO	HUD.VL_month_on_dac	HUD.VL	Zone	Day Ahead Congestion + Energy	On Peak	1,290 MW	
HCV	NYISO	HUD.VL_month_off_dac	HUD.VL	Zone	Day Ahead Congestion + Energy	Off Peak	1,037 MW	
CXO	NYISO	HUD.VL_month_on_dap	HUD.VL	Zone	Day Ahead Power	On Peak	1,290 MW	
CXP	NYISO	HUD.VL_month_off_dap	HUD.VL	Zone	Day Ahead Power	Off Peak	1,037 MW	
FTG	NYISO	HUD.VL_month_on_rtp	HUD.VL	Zone	Real Time Power	On Peak	1,290 MW	
FTH	NYISO	HUD.VL_month_off_rtp	HUD.VL	Zone	Real Time Power	Off Peak	1,037 MW	
HDI	NYISO	LONGIL_month_on_dac	LONGIL	Zone	Day Ahead Congestion + Energy	On Peak	2,912 MW	
HDJ	NYISO	LONGIL_month_off_dac	LONGIL	Zone	Day Ahead Congestion + Energy	Off Peak	2,295 MW	
CYU	NYISO	LONGIL_month_on_dap	LONGIL	Zone	Day Ahead Power	On Peak	2,912 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
CYV	NYISO	NYISO.LONGIL_month_off_dap	LONGIL	Zone	Day Ahead Power	Off Peak	2,295 MW	
HDM	NYISO	NYISO.MHK_VL_month_on_dac	MHK_VL	Zone	Day Ahead Congestion + Energy	On Peak	1,010 MW	
HDN	NYISO	NYISO.MHK_VL_month_off_dac	MHK_VL	Zone	Day Ahead Congestion + Energy	Off Peak	799 MW	
CZA	NYISO	NYISO.MHK_VL_month_on_dap	MHK_VL	Zone	Day Ahead Power	On Peak	1,010 MW	
CZB	NYISO	NYISO.MHK_VL_month_off_dap	MHK_VL	Zone	Day Ahead Power	Off Peak	799 MW	
HDQ	NYISO	NYISO.MILLWD_month_on_dac	MILLWD	Zone	Day Ahead Congestion + Energy	On Peak	935 MW	
HDR	NYISO	NYISO.MILLWD_month_off_dac	MILLWD	Zone	Day Ahead Congestion + Energy	Off Peak	750 MW	
CZG	NYISO	NYISO.MILLWD_month_on_dap	MILLWD	Zone	Day Ahead Power	On Peak	935 MW	
CZH	NYISO	NYISO.MILLWD_month_off_dap	MILLWD	Zone	Day Ahead Power	Off Peak	750 MW	
HDU	NYISO	NYISO.N.Y.C._month_on_dac	N.Y.C.	Zone	Day Ahead Congestion + Energy	On Peak	7,010 MW	
HDV	NYISO	NYISO.N.Y.C._month_off_dac	N.Y.C.	Zone	Day Ahead Congestion + Energy	Off Peak	5,462 MW	
CZS	NYISO	NYISO.N.Y.C._month_on_dap	N.Y.C.	Zone	Day Ahead Power	On Peak	7,010 MW	
CZT	NYISO	NYISO.N.Y.C._month_off_dap	N.Y.C.	Zone	Day Ahead Power	Off Peak	5,462 MW	
FTO	NYISO	NYISO.N.Y.C._month_on_rtp	N.Y.C.	Zone	Real Time Power	On Peak	7,010 MW	
FTP	NYISO	NYISO.N.Y.C._month_off_rtp	N.Y.C.	Zone	Real Time Power	Off Peak	5,462 MW	
HEI	NYISO	NYISO.NORTH_month_on_dac	NORTH	Zone	Day Ahead Congestion + Energy	On Peak	694 MW	
HEJ	NYISO	NYISO.NORTH_month_off_dac	NORTH	Zone	Day Ahead Congestion + Energy	Off Peak	657 MW	
DBA	NYISO	NYISO.NORTH_month_on_dap	NORTH	Zone	Day Ahead Power	On Peak	694 MW	
DBB	NYISO	NYISO.NORTH_month_off_dap	NORTH	Zone	Day Ahead Power	Off Peak	657 MW	
GDA	PJM	PJM.AECO_month_on_dac	AECO	Zone	Day Ahead Congestion + Energy	On Peak	1,402 MW	
GDB	PJM	PJM.AECO_month_off_dac	AECO	Zone	Day Ahead Congestion + Energy	Off Peak	1,167 MW	
DLO	PJM	PJM.AECO_month_on_dap	AECO	Zone	Day Ahead Power	On Peak	1,402 MW	
DLP	PJM	PJM.AECO_month_off_dap	AECO	Zone	Day Ahead Power	Off Peak	1,167 MW	
GDC	PJM	PJM.AEP_month_on_dac	AEP	Zone	Day Ahead Congestion + Energy	On Peak	17,250 MW	
GDD	PJM	PJM.AEP_month_off_dac	AEP	Zone	Day Ahead Congestion + Energy	Off Peak	14,585 MW	
DLQ	PJM	PJM.AEP_month_on_dap	AEP	Zone	Day Ahead Power	On Peak	17,250 MW	
DLR	PJM	PJM.AEP_month_off_dap	AEP	Zone	Day Ahead Power	Off Peak	14,585 MW	
GDI	PJM	PJM.APS_month_on_dac	APS	Zone	Day Ahead Congestion + Energy	On Peak	6,014 MW	
GDJ	PJM	PJM.APS_month_off_dac	APS	Zone	Day Ahead Congestion + Energy	Off Peak	5,039 MW	
DMY	PJM	PJM.APS_month_on_dap	APS	Zone	Day Ahead Power	On Peak	6,014 MW	
DMZ	PJM	PJM.APS_month_off_dap	APS	Zone	Day Ahead Power	Off Peak	5,039 MW	
GDK	PJM	PJM.ATSI_month_on_dac	ATSI	Zone	Day Ahead Congestion + Energy	On Peak	8,718 MW	
GDL	PJM	PJM.ATSI_month_off_dac	ATSI	Zone	Day Ahead Congestion + Energy	Off Peak	7,017 MW	
FZA	PJM	PJM.ATSI_month_on_dap	ATSI	Zone	Day Ahead Power	On Peak	8,718 MW	
FZB	PJM	PJM.ATSI_month_off_dap	ATSI	Zone	Day Ahead Power	Off Peak	7,017 MW	
FZC	PJM	PJM.ATSI_month_on_rtp	ATSI	Zone	Real Time Power	On Peak	8,718 MW	
FZD	PJM	PJM.ATSI_month_off_rtp	ATSI	Zone	Real Time Power	Off Peak	7,017 MW	
GDO	PJM	PJM.BGE_month_on_dac	BGE	Zone	Day Ahead Congestion + Energy	On Peak	4,244 MW	
GDP	PJM	PJM.BGE_month_off_dac	BGE	Zone	Day Ahead Congestion + Energy	Off Peak	3,532 MW	
DPQ	PJM	PJM.BGE_month_on_dap	BGE	Zone	Day Ahead Power	On Peak	4,244 MW	
DPR	PJM	PJM.BGE_month_off_dap	BGE	Zone	Day Ahead Power	Off Peak	3,532 MW	
FRS	PJM	PJM.BGE_month_on_rtp	BGE	Zone	Real Time Power	On Peak	4,244 MW	
FRT	PJM	PJM.BGE_month_off_rtp	BGE	Zone	Real Time Power	Off Peak	3,532 MW	
GEA	PJM	PJM.COMED_month_on_dac	COMED	Zone	Day Ahead Congestion + Energy	On Peak	13,755 MW	
GEB	PJM	PJM.COMED_month_off_dac	COMED	Zone	Day Ahead Congestion + Energy	Off Peak	11,041 MW	
DVO	PJM	PJM.COMED_month_on_dap	COMED	Zone	Day Ahead Power	On Peak	13,755 MW	
DVP	PJM	PJM.COMED_month_off_dap	COMED	Zone	Day Ahead Power	Off Peak	11,041 MW	
FUA	PJM	PJM.COMED_month_on_rtp	COMED	Zone	Real Time Power	On Peak	13,755 MW	
FUB	PJM	PJM.COMED_month_off_rtp	COMED	Zone	Real Time Power	Off Peak	11,041 MW	
GEE	PJM	PJM.DAY_month_on_dac	DAY	Zone	Day Ahead Congestion + Energy	On Peak	2,933 MW	
GEF	PJM	PJM.DAY_month_off_dac	DAY	Zone	Day Ahead Congestion + Energy	Off Peak	2,338 MW	
DYI	PJM	PJM.DAY_month_on_dap	DAY	Zone	Day Ahead Power	On Peak	2,933 MW	
DYJ	PJM	PJM.DAY_month_off_dap	DAY	Zone	Day Ahead Power	Off Peak	2,338 MW	
GEG	PJM	PJM.DEOK_month_on_dac	DEOK	Zone	Day Ahead Congestion + Energy	On Peak	3,386 MW	
GEH	PJM	PJM.DEOK_month_off_dac	DEOK	Zone	Day Ahead Congestion + Energy	Off Peak	2,787 MW	
GAA	PJM	PJM.DEOK_month_on_dap	DEOK	Zone	Day Ahead Power	On Peak	3,386 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GAB	PJM	PJM.DEOK_month_off_dap	DEOK	Zone	Day Ahead Power	Off Peak	2,787 MW	
GEI	PJM	PJM.DOM_month_on_dac	DOM	Zone	Day Ahead Congestion + Energy	On Peak	11,986 MW	
GEJ	PJM	PJM.DOM_month_off_dac	DOM	Zone	Day Ahead Congestion + Energy	Off Peak	9,990 MW	
DZS	PJM	PJM.DOM_month_on_dap	DOM	Zone	Day Ahead Power	On Peak	11,986 MW	
DZT	PJM	PJM.DOM_month_off_dap	DOM	Zone	Day Ahead Power	Off Peak	9,990 MW	
GEK	PJM	PJM.DPL_month_on_dac	DPL	Zone	Day Ahead Congestion + Energy	On Peak	2,404 MW	
GEL	PJM	PJM.DPL_month_off_dac	DPL	Zone	Day Ahead Congestion + Energy	Off Peak	2,005 MW	
EAC	PJM	PJM.DPL_month_on_dap	DPL	Zone	Day Ahead Power	On Peak	2,404 MW	
EAD	PJM	PJM.DPL_month_off_dap	DPL	Zone	Day Ahead Power	Off Peak	2,005 MW	
GEM	PJM	PJM.DUQ_month_on_dac	DUQ	Zone	Day Ahead Congestion + Energy	On Peak	1,892 MW	
GEN	PJM	PJM.DUQ_month_off_dac	DUQ	Zone	Day Ahead Congestion + Energy	Off Peak	1,552 MW	
FJO	PJM	PJM.DUQ_month_on_dap	DUQ	Zone	Day Ahead Power	On Peak	1,892 MW	
FJP	PJM	PJM.DUQ_month_off_dap	DUQ	Zone	Day Ahead Power	Off Peak	1,552 MW	
GEU	PJM	PJM.JCPL_month_on_dac	JCPL	Zone	Day Ahead Congestion + Energy	On Peak	3,054 MW	
GEV	PJM	PJM.JCPL_month_off_dac	JCPL	Zone	Day Ahead Congestion + Energy	Off Peak	2,385 MW	
EJI	PJM	PJM.JCPL_month_on_dap	JCPL	Zone	Day Ahead Power	On Peak	3,054 MW	
EJJ	PJM	PJM.JCPL_month_off_dap	JCPL	Zone	Day Ahead Power	Off Peak	2,385 MW	
FRW	PJM	PJM.JCPL_month_on_rtp	JCPL	Zone	Real Time Power	On Peak	3,054 MW	
FRX	PJM	PJM.JCPL_month_off_rtp	JCPL	Zone	Real Time Power	Off Peak	2,385 MW	
GFE	PJM	PJM.METED_month_on_dac	METED	Zone	Day Ahead Congestion + Energy	On Peak	2,106 MW	
GFF	PJM	PJM.METED_month_off_dac	METED	Zone	Day Ahead Congestion + Energy	Off Peak	1,690 MW	
EOW	PJM	PJM.METED_month_on_dap	METED	Zone	Day Ahead Power	On Peak	2,106 MW	
EOX	PJM	PJM.METED_month_off_dap	METED	Zone	Day Ahead Power	Off Peak	1,690 MW	
FUI	PJM	PJM.METED_month_on_rtp	METED	Zone	Real Time Power	On Peak	2,106 MW	
FUJ	PJM	PJM.METED_month_off_rtp	METED	Zone	Real Time Power	Off Peak	1,690 MW	
GFQ	PJM	PJM.PECO_month_on_dac	PECO	Zone	Day Ahead Congestion + Energy	On Peak	5,701 MW	
GFR	PJM	PJM.PECO_month_off_dac	PECO	Zone	Day Ahead Congestion + Energy	Off Peak	4,660 MW	
EUY	PJM	PJM.PECO_month_on_dap	PECO	Zone	Day Ahead Power	On Peak	5,701 MW	
EUZ	PJM	PJM.PECO_month_off_dap	PECO	Zone	Day Ahead Power	Off Peak	4,660 MW	
FUK	PJM	PJM.PECO_month_on_rtp	PECO	Zone	Real Time Power	On Peak	5,701 MW	
FUL	PJM	PJM.PECO_month_off_rtp	PECO	Zone	Real Time Power	Off Peak	4,660 MW	
GFS	PJM	PJM.PENELEC_month_on_dac	PENELEC	Zone	Day Ahead Congestion + Energy	On Peak	4,252 MW	
GFT	PJM	PJM.PENELEC_month_off_dac	PENELEC	Zone	Day Ahead Congestion + Energy	Off Peak	3,470 MW	
EVA	PJM	PJM.PENELEC_month_on_dap	PENELEC	Zone	Day Ahead Power	On Peak	4,252 MW	
EVB	PJM	PJM.PENELEC_month_off_dap	PENELEC	Zone	Day Ahead Power	Off Peak	3,470 MW	
GFW	PJM	PJM.PEPCO_month_on_dac	PEPCO	Zone	Day Ahead Congestion + Energy	On Peak	4,074 MW	
GFX	PJM	PJM.PEPCO_month_off_dac	PEPCO	Zone	Day Ahead Congestion + Energy	Off Peak	3,284 MW	
EVG	PJM	PJM.PEPCO_month_on_dap	PEPCO	Zone	Day Ahead Power	On Peak	4,074 MW	
EVH	PJM	PJM.PEPCO_month_off_dap	PEPCO	Zone	Day Ahead Power	Off Peak	3,284 MW	
FRM	PJM	PJM.PEPCO_month_on_rtp	PEPCO	Zone	Real Time Power	On Peak	4,074 MW	
FRN	PJM	PJM.PEPCO_month_off_rtp	PEPCO	Zone	Real Time Power	Off Peak	3,284 MW	
GGE	PJM	PJM.PPL_month_on_dac	PPL	Zone	Day Ahead Congestion + Energy	On Peak	5,694 MW	
GGF	PJM	PJM.PPL_month_off_dac	PPL	Zone	Day Ahead Congestion + Energy	Off Peak	4,610 MW	
EWU	PJM	PJM.PPL_month_on_dap	PPL	Zone	Day Ahead Power	On Peak	5,694 MW	
EWV	PJM	PJM.PPL_month_off_dap	PPL	Zone	Day Ahead Power	Off Peak	4,610 MW	
FUO	PJM	PJM.PPL_month_on_rtp	PPL	Zone	Real Time Power	On Peak	5,694 MW	
FUP	PJM	PJM.PPL_month_off_rtp	PPL	Zone	Real Time Power	Off Peak	4,610 MW	
GGG	PJM	PJM.PSEG_month_on_dac	PSEG	Zone	Day Ahead Congestion + Energy	On Peak	5,878 MW	
GGH	PJM	PJM.PSEG_month_off_dac	PSEG	Zone	Day Ahead Congestion + Energy	Off Peak	4,670 MW	
EXE	PJM	PJM.PSEG_month_on_dap	PSEG	Zone	Day Ahead Power	On Peak	5,878 MW	
EXF	PJM	PJM.PSEG_month_off_dap	PSEG	Zone	Day Ahead Power	Off Peak	4,670 MW	
FRO	PJM	PJM.PSEG_month_on_rtp	PSEG	Zone	Real Time Power	On Peak	5,878 MW	
FRP	PJM	PJM.PSEG_month_off_rtp	PSEG	Zone	Real Time Power	Off Peak	4,670 MW	
GGI	PJM	PJM.RECO_month_on_dac	RECO	Zone	Day Ahead Congestion + Energy	On Peak	256 MW	
GGJ	PJM	PJM.RECO_month_off_dac	RECO	Zone	Day Ahead Congestion + Energy	Off Peak	188 MW	
EXQ	PJM	PJM.RECO_month_on_dap	RECO	Zone	Day Ahead Power	On Peak	256 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
EXR	PJM	PJM.RECO_month_off_dap	RECO	Zone	Day Ahead Power	Off Peak	188 MW	
HVS	ERCOT	ERCOT.LZ_CPS_month_on_rtp	LZ_CPS	Zone	Real Time Power	On Peak	3,920 MW	
HVT	ERCOT	ERCOT.LZ_CPS_month_off_rtp	LZ_CPS	Zone	Real Time Power	Off Peak	3,256 MW	
HMS	CAISO	CAISO.SLAP_PGHB-APND_month_on_dac	SLAP_PGHB-APND	Subzone	Day Ahead Congestion + Energy	On Peak	129 MW	
HMT	CAISO	CAISO.SLAP_PGHB-APND_month_off_dac	SLAP_PGHB-APND	Subzone	Day Ahead Congestion + Energy	Off Peak	107 MW	
AUE	MISO	MISO.AMILAEM.RPGI_month_on_dap	AMILAEM.RPGI	Subzone	Day Ahead Power	On Peak	6,663 MW	
AUF	MISO	MISO.AMILAEM.RPGI_month_off_dap	AMILAEM.RPGI	Subzone	Day Ahead Power	Off Peak	5,500 MW	
AUI	MISO	MISO.AMILAMILSES_month_on_dap	AMILAMILSES	Subzone	Day Ahead Power	On Peak	6,663 MW	
AUJ	MISO	MISO.AMILAMILSES_month_off_dap	AMILAMILSES	Subzone	Day Ahead Power	Off Peak	5,500 MW	
FSQ	MISO	MISO.AMILAMILSES_month_on_rtp	AMILAMILSES	Subzone	Real Time Power	On Peak	6,663 MW	
FSR	MISO	MISO.AMILAMILSES_month_off_rtp	AMILAMILSES	Subzone	Real Time Power	Off Peak	5,500 MW	
ATW	MISO	MISO.AMILBGS6_month_on_dap	AMILBGS6	Subzone	Day Ahead Power	On Peak	6,663 MW	
ATX	MISO	MISO.AMILBGS6_month_off_dap	AMILBGS6	Subzone	Day Ahead Power	Off Peak	5,500 MW	
AUG	MISO	MISO.AMILBGS9_month_on_dap	AMILBGS9	Subzone	Day Ahead Power	On Peak	6,663 MW	
AUH	MISO	MISO.AMILBGS9_month_off_dap	AMILBGS9	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GBQ	MISO	MISO.AMILWPSE_month_on_dap	AMILWPSE	Subzone	Day Ahead Power	On Peak	6,663 MW	
GBR	MISO	MISO.AMILWPSE_month_off_dap	AMILWPSE	Subzone	Day Ahead Power	Off Peak	5,500 MW	
BZY	MISO	MISO.AMILWPSE.OLIN_month_on_dap	AMILWPSE.OLIN	Subzone	Day Ahead Power	On Peak	6,663 MW	
BZZ	MISO	MISO.AMILWPSE.OLIN_month_off_dap	AMILWPSE.OLIN	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GCK	MISO	MISO.CIN.HAG.AEPM_month_on_dap	CIN.HAG.AEPM	Subzone	Day Ahead Power	On Peak	4,846 MW	
GCL	MISO	MISO.CIN.HAG.AEPM_month_off_dap	CIN.HAG.AEPM	Subzone	Day Ahead Power	Off Peak	4,000 MW	
FYW	MISO	MISO.CONS.LANS_month_on_dap	CONS.LANS	Subzone	Day Ahead Power	On Peak	6,446 MW	
FYX	MISO	MISO.CONS.LANS_month_off_dap	CONS.LANS	Subzone	Day Ahead Power	Off Peak	5,321 MW	
FZO	MISO	MISO.CONS.SESB_month_on_dap	CONS.SESB	Subzone	Day Ahead Power	On Peak	6,446 MW	
FZP	MISO	MISO.CONS.SESB_month_off_dap	CONS.SESB	Subzone	Day Ahead Power	Off Peak	5,321 MW	
BSS	MISO	MISO.CONS.WPSE_month_on_dap	CONS.WPSE	Subzone	Day Ahead Power	On Peak	6,446 MW	
BST	MISO	MISO.CONS.WPSE_month_off_dap	CONS.WPSE	Subzone	Day Ahead Power	Off Peak	5,321 MW	
GCQ	MISO	MISO.DECO.CROS_month_on_dap	DECO.CROS	Subzone	Day Ahead Power	On Peak	7,692 MW	
GCR	MISO	MISO.DECO.CROS_month_off_dap	DECO.CROS	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
GCS	MISO	MISO.DECO.SEBE_month_on_dap	DECO.SEBE	Subzone	Day Ahead Power	On Peak	7,692 MW	
GCT	MISO	MISO.DECO.SEBE_month_off_dap	DECO.SEBE	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
GBU	MISO	MISO.DECO.SESA_month_on_dap	DECO.SESA	Subzone	Day Ahead Power	On Peak	7,692 MW	
GBV	MISO	MISO.DECO.SESA_month_off_dap	DECO.SESA	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
APU	MISO	MISO.DECO.WPSZ_month_on_dap	DECO.WPSZ	Subzone	Day Ahead Power	On Peak	7,692 MW	
APV	MISO	MISO.DECO.WPSZ_month_off_dap	DECO.WPSZ	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
BSW	MISO	MISO.GRE.HUC_month_on_dap	GRE.HUC	Subzone	Day Ahead Power	On Peak	1,935 MW	
BSX	MISO	MISO.GRE.HUC_month_off_dap	GRE.HUC	Subzone	Day Ahead Power	Off Peak	1,597 MW	
GCE	MISO	MISO.NSP.AEPM4_month_on_dap	NSP.AEPM4	Subzone	Day Ahead Power	On Peak	6,377 MW	
GCF	MISO	MISO.NSP.AEPM4_month_off_dap	NSP.AEPM4	Subzone	Day Ahead Power	Off Peak	5,264 MW	
CEW	MISO	MISO.NSP.NCPLOAD_month_on_dap	NSP.NCPLOAD	Subzone	Day Ahead Power	On Peak	6,377 MW	
CEX	MISO	MISO.NSP.NCPLOAD_month_off_dap	NSP.NCPLOAD	Subzone	Day Ahead Power	Off Peak	5,264 MW	
FYU	MISO	MISO.NSP.NU_month_on_dap	NSP.NU	Subzone	Day Ahead Power	On Peak	6,377 MW	
FYV	MISO	MISO.NSP.NU_month_off_dap	NSP.NU	Subzone	Day Ahead Power	Off Peak	5,264 MW	
CJG	MISO	MISO.OTP.NSP_month_on_dap	OTP.NSP	Subzone	Day Ahead Power	On Peak	891 MW	
CJH	MISO	MISO.OTP.NSP_month_off_dap	OTP.NSP	Subzone	Day Ahead Power	Off Peak	735 MW	
GAE	MISO	MISO.UPPC.ESC_month_on_dap	UPPC.ESC	Subzone	Day Ahead Power	On Peak	82 MW	
GAF	MISO	MISO.UPPC.ESC_month_off_dap	UPPC.ESC	Subzone	Day Ahead Power	Off Peak	68 MW	55 MW
GLO	MISO	MISO.UPPC.INTEGRATD_month_on_dap	UPPC.INTEGRATD	Subzone	Day Ahead Power	On Peak	82 MW	
GLP	MISO	MISO.UPPC.INTEGRATD_month_off_dap	UPPC.INTEGRATD	Subzone	Day Ahead Power	Off Peak	68 MW	55 MW
GLQ	MISO	MISO.WEC.N_month_on_dap	WEC.N	Subzone	Day Ahead Power	On Peak	4,915 MW	
GLR	MISO	MISO.WEC.N_month_off_dap	WEC.N	Subzone	Day Ahead Power	Off Peak	4,057 MW	
GAC	MISO	MISO.WPS.GLU_month_on_dap	WPS.GLU	Subzone	Day Ahead Power	On Peak	1,773 MW	
GAD	MISO	MISO.WPS.GLU_month_off_dap	WPS.GLU	Subzone	Day Ahead Power	Off Peak	1,464 MW	
GMA	MISO_RTO	MISO_RTO.AMILAMILSES_month_on_dac	AMILAMILSES	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMB	MISO_RTO	MISO_RTO.AMILAMILSES_month_off_dac	AMILAMILSES	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXG	MISO_RTO	MISO_RTO.AMILAMILSES_month_on_dap	AMILAMILSES	Subzone	Day Ahead Power	On Peak	6,663 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
FXH	MISO RTO	MISO RTO.AMIL.AMILSES month off dap	AMIL.AMILSES	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GMC	MISO RTO	MISO RTO.AMIL.BGS6 month on dac	AMIL.BGS6	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMD	MISO RTO	MISO RTO.AMIL.BGS6 month off dac	AMIL.BGS6	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXI	MISO RTO	MISO RTO.AMIL.BGS6 month on dap	AMIL.BGS6	Subzone	Day Ahead Power	On Peak	6,663 MW	
FXJ	MISO RTO	MISO RTO.AMIL.BGS6 month off dap	AMIL.BGS6	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GME	MISO RTO	MISO RTO.AMIL.BGS9 month on dac	AMIL.BGS9	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMF	MISO RTO	MISO RTO.AMIL.BGS9 month off dac	AMIL.BGS9	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXK	MISO RTO	MISO RTO.AMIL.BGS9 month on dap	AMIL.BGS9	Subzone	Day Ahead Power	On Peak	6,663 MW	
FXL	MISO RTO	MISO RTO.AMIL.BGS9 month off dap	AMIL.BGS9	Subzone	Day Ahead Power	Off Peak	5,500 MW	
HJU	MISO RTO	MISO RTO.AMIL.BRICKYARD month on dac	AMIL.BRICKYARD	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
HJV	MISO RTO	MISO RTO.AMIL.BRICKYARD month off dac	AMIL.BRICKYARD	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
GNV	MISO RTO	MISO RTO.AMIL.IP month on dac	AMIL.IP	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GNZ	MISO RTO	MISO RTO.AMIL.IP month off dac	AMIL.IP	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXV	MISO RTO	MISO RTO.AMIL.IP month on dap	AMIL.IP	Subzone	Day Ahead Power	On Peak	6,663 MW	
FXZ	MISO RTO	MISO RTO.AMIL.IP month off dap	AMIL.IP	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GPG	MISO RTO	MISO RTO.AMIL.WPSE month on dac	AMIL.WPSE	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GPH	MISO RTO	MISO RTO.AMIL.WPSE month off dac	AMIL.WPSE	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
GMG	MISO RTO	MISO RTO.AMIL.WPSE.OLIN month on dac	AMIL.WPSE.OLIN	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMH	MISO RTO	MISO RTO.AMIL.WPSE.OLIN month off dac	AMIL.WPSE.OLIN	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
GPO	MISO RTO	MISO RTO.CONS.WPSE month on dac	CONS.WPSE	Subzone	Day Ahead Congestion + Energy	On Peak	6,446 MW	
GPP	MISO RTO	MISO RTO.CONS.WPSE month off dac	CONS.WPSE	Subzone	Day Ahead Congestion + Energy	Off Peak	5,321 MW	
GPV	MISO RTO	MISO RTO.DPC.NSPLOAD month on dac	DPC.NSPLOAD	Subzone	Day Ahead Congestion + Energy	On Peak	698 MW	
GPZ	MISO RTO	MISO RTO.DPC.NSPLOAD month off dac	DPC.NSPLOAD	Subzone	Day Ahead Congestion + Energy	Off Peak	576 MW	546 MW
HUG	MISO RTO	MISO RTO.MOGEN1.AGG month on dac	MOGEN1.AGG	Subzone	Day Ahead Congestion + Energy	On Peak	5,772 MW	
HUH	MISO RTO	MISO RTO.MOGEN1.AGG month off dac	MOGEN1.AGG	Subzone	Day Ahead Congestion + Energy	Off Peak	4,765 MW	4,633 MW
GVC	MISO RTO	MISO RTO.NIPS.BENTONCO month on dac	NIPS.BENTONCO	Subzone	Day Ahead Congestion + Energy	On Peak	2,064 MW	
GVD	MISO RTO	MISO RTO.NIPS.BENTONCO month off dac	NIPS.BENTONCO	Subzone	Day Ahead Congestion + Energy	Off Peak	1,704 MW	1,537 MW
HKG	MISO RTO	MISO RTO.NIPS.IMP1.1AZ month on dac	NIPS.IMP1.1AZ	Subzone	Day Ahead Congestion + Energy	On Peak	2,064 MW	
HKH	MISO RTO	MISO RTO.NIPS.IMP1.1AZ month off dac	NIPS.IMP1.1AZ	Subzone	Day Ahead Congestion + Energy	Off Peak	1,704 MW	1,537 MW
GMQ	MISO RTO	MISO RTO.NSP.AEPM4 month on dac	NSP.AEPM4	Subzone	Day Ahead Congestion + Energy	On Peak	6,377 MW	
GMR	MISO RTO	MISO RTO.NSP.AEPM4 month off dac	NSP.AEPM4	Subzone	Day Ahead Congestion + Energy	Off Peak	5,264 MW	
GBW	MISO RTO	MISO RTO.NSP.AEPM4 month on dap	NSP.AEPM4	Subzone	Day Ahead Power	On Peak	6,377 MW	
GBX	MISO RTO	MISO RTO.NSP.AEPM4 month off dap	NSP.AEPM4	Subzone	Day Ahead Power	Off Peak	5,264 MW	
GQC	MISO RTO	MISO RTO.NSP.NU month on dac	NSP.NU	Subzone	Day Ahead Congestion + Energy	On Peak	6,377 MW	
GQD	MISO RTO	MISO RTO.NSP.NU month off dac	NSP.NU	Subzone	Day Ahead Congestion + Energy	Off Peak	5,264 MW	
GNM	MISO RTO	MISO RTO.NSP.OTP month on dac	NSP.OTP	Subzone	Day Ahead Congestion + Energy	On Peak	6,377 MW	
GNN	MISO RTO	MISO RTO.NSP.OTP month off dac	NSP.OTP	Subzone	Day Ahead Congestion + Energy	Off Peak	5,264 MW	
FYY	MISO RTO	MISO RTO.WPS.MPU month on dap	WPS.MPU	Subzone	Day Ahead Power	On Peak	1,773 MW	
FYZ	MISO RTO	MISO RTO.WPS.MPU month off dap	WPS.MPU	Subzone	Day Ahead Power	Off Peak	1,464 MW	
GQY	MISO RTO	MISO RTO.WR.MOWR month on dac	WR.MOWR	Subzone	Day Ahead Congestion + Energy	On Peak	3,620 MW	
GQZ	MISO RTO	MISO RTO.WR.MOWR month off dac	WR.MOWR	Subzone	Day Ahead Congestion + Energy	Off Peak	2,989 MW	
GDS	PJM	PJM.BRUNSWICK month on dac	BRUNSWICK	Subzone	Day Ahead Congestion + Energy	On Peak	714 MW	
GDT	PJM	PJM.BRUNSWICK month off dac	BRUNSWICK	Subzone	Day Ahead Congestion + Energy	Off Peak	714 MW	
GVV	PJM	PJM.CPP month on dac	CPP	Subzone	Day Ahead Congestion + Energy	On Peak	150 MW	
GVZ	PJM	PJM.CPP month off dac	CPP	Subzone	Day Ahead Congestion + Energy	Off Peak	123 MW	
GKU	PJM	PJM.DECAM COAL GEN month on dac	DECAM COAL GEN	Subzone	Day Ahead Congestion + Energy	On Peak	9,233 MW	
GKV	PJM	PJM.DECAM COAL GEN month off dac	DECAM COAL GEN	Subzone	Day Ahead Congestion + Energy	Off Peak	9,233 MW	
GKW	PJM	PJM.DECAM GAS GEN month on dac	DECAM GAS GEN	Subzone	Day Ahead Congestion + Energy	On Peak	2,599 MW	
GKX	PJM	PJM.DECAM GAS GEN month off dac	DECAM GAS GEN	Subzone	Day Ahead Congestion + Energy	Off Peak	2,599 MW	
HQU	PJM	PJM.DEK month on dac	DEK	Subzone	Day Ahead Congestion + Energy	On Peak	501 MW	
HQV	PJM	PJM.DEK month off dac	DEK	Subzone	Day Ahead Congestion + Energy	Off Peak	411 MW	
HQS	PJM	PJM.DEK month on dap	DEK	Subzone	Day Ahead Power	On Peak	501 MW	
HQT	PJM	PJM.DEK month off dap	DEK	Subzone	Day Ahead Power	Off Peak	411 MW	
GHI	PJM	PJM.DPL NORTH month on dac	DPL NORTH	Subzone	Day Ahead Congestion + Energy	On Peak	1,010 MW	
GHI	PJM	PJM.DPL NORTH month off dac	DPL NORTH	Subzone	Day Ahead Congestion + Energy	Off Peak	862 MW	
HTQ	PJM	PJM.DPL SOUTH month on dac	DPL SOUTH	Subzone	Day Ahead Congestion + Energy	On Peak	1,394 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HTR	PJM	PJM.DPL SOUTH month off dac	DPL SOUTH	Subzone	Day Ahead Congestion + Energy	Off Peak	1,163 MW	
GEQ	PJM	PJM.EASTON month on dac	EASTON	Subzone	Day Ahead Congestion + Energy	On Peak	37 MW	
GER	PJM	PJM.EASTON month off dac	EASTON	Subzone	Day Ahead Congestion + Energy	Off Peak	31 MW	
EAU	PJM	PJM.EASTON month on dap	EASTON	Subzone	Day Ahead Power	On Peak	37 MW	
EAV	PJM	PJM.EASTON month off dap	EASTON	Subzone	Day Ahead Power	Off Peak	31 MW	
DIO	PJM	PJM.ELGIN EC3 month on dap	ELGIN EC3	Subzone	Day Ahead Power	On Peak	540 MW	
DIP	PJM	PJM.ELGIN EC3 month off dap	ELGIN EC3	Subzone	Day Ahead Power	Off Peak	540 MW	
GHO	PJM	PJM.FE OHIO month on dac	FE OHIO	Subzone	Day Ahead Congestion + Energy	On Peak	8,021 MW	
GHP	PJM	PJM.FE OHIO month off dac	FE OHIO	Subzone	Day Ahead Congestion + Energy	Off Peak	6,456 MW	
FWW	PJM	PJM.FE OHIO month on dap	FE OHIO	Subzone	Day Ahead Power	On Peak	8,021 MW	
FWX	PJM	PJM.FE OHIO month off dap	FE OHIO	Subzone	Day Ahead Power	Off Peak	6,456 MW	
EMA	PJM	PJM.LIDA - AP month on dap	LIDA - AP	Subzone	Day Ahead Power	On Peak	138 MW	
EMB	PJM	PJM.LIDA - AP month off dap	LIDA - AP	Subzone	Day Ahead Power	Off Peak	138 MW	
GIE	PJM	PJM.MON POWER month on dac	MON POWER	Subzone	Day Ahead Congestion + Energy	On Peak	1,373 MW	
GIF	PJM	PJM.MON POWER month off dac	MON POWER	Subzone	Day Ahead Congestion + Energy	Off Peak	1,127 MW	
GFU	PJM	PJM.PENN POWER month on dac	PENN POWER	Subzone	Day Ahead Congestion + Energy	On Peak	697 MW	
GFV	PJM	PJM.PENN POWER month off dac	PENN POWER	Subzone	Day Ahead Congestion + Energy	Off Peak	561 MW	
FWM	PJM	PJM.PENN POWER month on dap	PENN POWER	Subzone	Day Ahead Power	On Peak	697 MW	
FWN	PJM	PJM.PENN POWER month off dap	PENN POWER	Subzone	Day Ahead Power	Off Peak	561 MW	
GFY	PJM	PJM.PEPCO DC month on dac	PEPCO DC	Subzone	Day Ahead Congestion + Energy	On Peak	1,141 MW	
GFZ	PJM	PJM.PEPCO DC month off dac	PEPCO DC	Subzone	Day Ahead Congestion + Energy	Off Peak	920 MW	
EVI	PJM	PJM.PEPCO DC month on dap	PEPCO DC	Subzone	Day Ahead Power	On Peak	1,141 MW	
EVJ	PJM	PJM.PEPCO DC month off dap	PEPCO DC	Subzone	Day Ahead Power	Off Peak	920 MW	
GGA	PJM	PJM.PEPCO MD month on dac	PEPCO MD	Subzone	Day Ahead Congestion + Energy	On Peak	2,281 MW	
GGB	PJM	PJM.PEPCO MD month off dac	PEPCO MD	Subzone	Day Ahead Congestion + Energy	Off Peak	1,839 MW	
EVK	PJM	PJM.PEPCO MD month on dap	PEPCO MD	Subzone	Day Ahead Power	On Peak	2,281 MW	
EVL	PJM	PJM.PEPCO MD month off dap	PEPCO MD	Subzone	Day Ahead Power	Off Peak	1,839 MW	
GGC	PJM	PJM.PEPCO SMECO month on dac	PEPCO SMECO	Subzone	Day Ahead Congestion + Energy	On Peak	652 MW	
GGD	PJM	PJM.PEPCO SMECO month off dac	PEPCO SMECO	Subzone	Day Ahead Congestion + Energy	Off Peak	525 MW	
GGO	PJM	PJM.UGI month on dac	UGI	Subzone	Day Ahead Congestion + Energy	On Peak	171 MW	
GGP	PJM	PJM.UGI month off dac	UGI	Subzone	Day Ahead Congestion + Energy	Off Peak	138 MW	
HRU	MISO_RTO	MISO_RTO.AMILIP.AZ month on dac	AMILIP.AZ	Subzone	Day Ahead Congestion + Energy	On Peak	6,664 MW	
HRV	MISO_RTO	MISO_RTO.AMILIP.AZ month off dac	AMILIP.AZ	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
HKW	CAISO	CAISO.TH SP15 GEN-APND month on dac	TH SP15 GEN-APND	Main Hub	Day Ahead Congestion + Energy	On Peak	27,737 MW	
HKX	CAISO	CAISO.TH SP15 GEN-APND month off dac	TH SP15 GEN-APND	Main Hub	Day Ahead Congestion + Energy	Off Peak	24,281 MW	
FQW	CAISO	CAISO.TH SP15 GEN-APND month on dap	TH SP15 GEN-APND	Main Hub	Day Ahead Power	On Peak	27,737 MW	
FQX	CAISO	CAISO.TH SP15 GEN-APND month off dap	TH SP15 GEN-APND	Main Hub	Day Ahead Power	Off Peak	24,281 MW	
FVE	ERCOT	ERCOT.HB NORTH month on dap	HB NORTH	Main Hub	Day Ahead Power	On Peak	27,930 MW	
FVF	ERCOT	ERCOT.HB NORTH month off dap	HB NORTH	Main Hub	Day Ahead Power	Off Peak	26,604 MW	
GAN	ERCOT	ERCOT.HB NORTH month 7x8 dap	HB NORTH	Main Hub	Day Ahead Power	7x8 Off Peak	22,764 MW	
GAM	ERCOT	ERCOT.HB NORTH month 2x16 dap	HB NORTH	Main Hub	Day Ahead Power	2x16 PeakWE	26,604 MW	
FOK	ERCOT	ERCOT.HB NORTH month on rtp	HB NORTH	Main Hub	Real Time Power	On Peak	27,930 MW	
FOL	ERCOT	ERCOT.HB NORTH month off rtp	HB NORTH	Main Hub	Real Time Power	Off Peak	26,604 MW	
GBD	ERCOT	ERCOT.HB NORTH month 7x8 rtp	HB NORTH	Main Hub	Real Time Power	7x8 Off Peak	22,764 MW	
GBC	ERCOT	ERCOT.HB NORTH month 2x16 rtp	HB NORTH	Main Hub	Real Time Power	2x16 PeakWE	26,604 MW	
HPE	ISONE	ISONE..H.INTERNAL HUB month on dac	.H.INTERNAL HUB	Main Hub	Day Ahead Congestion + Energy	On Peak	27,334 MW	
HPF	ISONE	ISONE..H.INTERNAL HUB month off dac	.H.INTERNAL HUB	Main Hub	Day Ahead Congestion + Energy	Off Peak	22,780 MW	
AAA	ISONE	ISONE..H.INTERNAL HUB month on dap	.H.INTERNAL HUB	Main Hub	Day Ahead Power	On Peak	27,334 MW	
AAB	ISONE	ISONE..H.INTERNAL HUB month off dap	.H.INTERNAL HUB	Main Hub	Day Ahead Power	Off Peak	22,780 MW	
FRY	ISONE	ISONE..H.INTERNAL HUB month on rtp	.H.INTERNAL HUB	Main Hub	Real Time Power	On Peak	27,334 MW	
FRZ	ISONE	ISONE..H.INTERNAL HUB month off rtp	.H.INTERNAL HUB	Main Hub	Real Time Power	Off Peak	22,780 MW	
BFI	MISO	MISO.INDIANA.HUB month on dap	INDIANA.HUB	Main Hub	Day Ahead Power	On Peak	7,696 MW	
BFJ	MISO	MISO.INDIANA.HUB month off dap	INDIANA.HUB	Main Hub	Day Ahead Power	Off Peak	6,721 MW	
FJY	MISO	MISO.INDIANA.HUB month on rtp	INDIANA.HUB	Main Hub	Real Time Power	On Peak	7,696 MW	
FJZ	MISO	MISO.INDIANA.HUB month off rtp	INDIANA.HUB	Main Hub	Real Time Power	Off Peak	6,721 MW	
GMK	MISO_RTO	MISO_RTO.INDIANA.HUB month on dac	INDIANA.HUB	Main Hub	Day Ahead Congestion + Energy	On Peak	7,696 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GML	MISO RTO	MISO RTO.INDIANA.HUB_month_off_dac	INDIANA.HUB	Main Hub	Day Ahead Congestion + Energy	Off Peak	6,721 MW	
FXM	MISO RTO	MISO RTO.INDIANA.HUB_month_on_dap	INDIANA.HUB	Main Hub	Day Ahead Power	On Peak	7,696 MW	
FXN	MISO RTO	MISO RTO.INDIANA.HUB_month_off_dap	INDIANA.HUB	Main Hub	Day Ahead Power	Off Peak	6,721 MW	
FXO	MISO RTO	MISO RTO.INDIANA.HUB_month_on_rtp	INDIANA.HUB	Main Hub	Real Time Power	On Peak	7,696 MW	
FXP	MISO RTO	MISO RTO.INDIANA.HUB_month_off_rtp	INDIANA.HUB	Main Hub	Real Time Power	Off Peak	6,721 MW	
HGO	NYISO	NYISO.WEST_month_on_dac	WEST	Main Hub	Day Ahead Congestion + Energy	On Peak	2,165 MW	
HGP	NYISO	NYISO.WEST_month_off_dac	WEST	Main Hub	Day Ahead Congestion + Energy	Off Peak	1,788 MW	
DEU	NYISO	NYISO.WEST_month_on_dap	WEST	Main Hub	Day Ahead Power	On Peak	2,165 MW	
DEV	NYISO	NYISO.WEST_month_off_dap	WEST	Main Hub	Day Ahead Power	Off Peak	1,788 MW	
FTS	NYISO	NYISO.WEST_month_on_rtp	WEST	Main Hub	Real Time Power	On Peak	2,165 MW	
FTT	NYISO	NYISO.WEST_month_off_rtp	WEST	Main Hub	Real Time Power	Off Peak	1,788 MW	
GGQ	PJM	PJM.WESTERN HUB_month_on_dac	WESTERN HUB	Main Hub	Day Ahead Congestion + Energy	On Peak	33,228 MW	
GGR	PJM	PJM.WESTERN HUB_month_off_dac	WESTERN HUB	Main Hub	Day Ahead Congestion + Energy	Off Peak	30,989 MW	
FHK	PJM	PJM.WESTERN HUB_month_on_dap	WESTERN HUB	Main Hub	Day Ahead Power	On Peak	33,228 MW	
FHL	PJM	PJM.WESTERN HUB_month_off_dap	WESTERN HUB	Main Hub	Day Ahead Power	Off Peak	30,989 MW	
GBZ	PJM	PJM.WESTERN HUB_month_7x8_dap	WESTERN HUB	Main Hub	Day Ahead Power	7x8 Off Peak	25,800 MW	
GBY	PJM	PJM.WESTERN HUB_month_2x16_dap	WESTERN HUB	Main Hub	Day Ahead Power	2x16 PeakWE	30,989 MW	
FKE	PJM	PJM.WESTERN HUB_month_on_rtp	WESTERN HUB	Main Hub	Real Time Power	On Peak	33,228 MW	
FKF	PJM	PJM.WESTERN HUB_month_off_rtp	WESTERN HUB	Main Hub	Real Time Power	Off Peak	30,989 MW	
GCB	PJM	PJM.WESTERN HUB_month_7x8_rtp	WESTERN HUB	Main Hub	Real Time Power	7x8 Off Peak	25,800 MW	
GCA	PJM	PJM.WESTERN HUB_month_2x16_rtp	WESTERN HUB	Main Hub	Real Time Power	2x16 PeakWE	30,989 MW	
HLG	CAISO	CAISO.CAPTJACK_5_N015_month_on_dac	CAPTJACK_5_N015	Interface	Day Ahead Congestion + Energy	On Peak	3,829 MW	
HLH	CAISO	CAISO.CAPTJACK_5_N015_month_off_dac	CAPTJACK_5_N015	Interface	Day Ahead Congestion + Energy	Off Peak	3,829 MW	
HOE	CAISO	CAISO.CAPTJACK_5_N512_month_on_dac	CAPTJACK_5_N512	Interface	Day Ahead Congestion + Energy	On Peak	31 MW	
HOF	CAISO	CAISO.CAPTJACK_5_N512_month_off_dac	CAPTJACK_5_N512	Interface	Day Ahead Congestion + Energy	Off Peak	31 MW	
HOY	CAISO	CAISO.CRAGVIEW_1_GN001_month_on_dac	CRAGVIEW_1_GN001	Interface	Day Ahead Congestion + Energy	On Peak	56 MW	
HOZ	CAISO	CAISO.CRAGVIEW_1_GN001_month_off_dac	CRAGVIEW_1_GN001	Interface	Day Ahead Congestion + Energy	Off Peak	56 MW	
HU	CAISO	CAISO.DEVERS_2_B2_month_on_dac	DEVERS_2_B2	Interface	Day Ahead Congestion + Energy	On Peak	2,966 MW	
HUJ	CAISO	CAISO.DEVERS_2_B2_month_off_dac	DEVERS_2_B2	Interface	Day Ahead Congestion + Energy	Off Peak	2,966 MW	
HUE	CAISO	CAISO.ELCENTRO_2_N001_month_on_dac	ELCENTRO_2_N001	Interface	Day Ahead Congestion + Energy	On Peak	239 MW	
HUF	CAISO	CAISO.ELCENTRO_2_N001_month_off_dac	ELCENTRO_2_N001	Interface	Day Ahead Congestion + Energy	Off Peak	239 MW	
HLK	CAISO	CAISO.FOURCORN_5_N501_month_on_dac	FOURCORN_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	1,645 MW	
HLL	CAISO	CAISO.FOURCORN_5_N501_month_off_dac	FOURCORN_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	1,645 MW	
HLM	CAISO	CAISO.IMPRLVLY_2_B2_month_on_dac	IMPRLVLY_2_B2	Interface	Day Ahead Congestion + Energy	On Peak	3,628 MW	
HLN	CAISO	CAISO.IMPRLVLY_2_B2_month_off_dac	IMPRLVLY_2_B2	Interface	Day Ahead Congestion + Energy	Off Peak	3,628 MW	
HLO	CAISO	CAISO.INTERM1G_7_N501_month_on_dac	INTERM1G_7_N501	Interface	Day Ahead Congestion + Energy	On Peak	728 MW	
HLP	CAISO	CAISO.INTERM1G_7_N501_month_off_dac	INTERM1G_7_N501	Interface	Day Ahead Congestion + Energy	Off Peak	728 MW	
HLQ	CAISO	CAISO.MALIN_5_N101_month_on_dac	MALIN_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	3,068 MW	
HLR	CAISO	CAISO.MALIN_5_N101_month_off_dac	MALIN_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	3,068 MW	
HLS	CAISO	CAISO.MARKETPL_5_N501_month_on_dac	MARKETPL_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	605 MW	
HLT	CAISO	CAISO.MARKETPL_5_N501_month_off_dac	MARKETPL_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	605 MW	
HNO	CAISO	CAISO.MCCULLGH_5_N101_month_on_dac	MCCULLGH_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	2,598 MW	
HNP	CAISO	CAISO.MCCULLGH_5_N101_month_off_dac	MCCULLGH_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	2,598 MW	
HLU	CAISO	CAISO.MEADS_2_N101_month_on_dac	MEADS_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	1,860 MW	
HLV	CAISO	CAISO.MEADS_2_N101_month_off_dac	MEADS_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	1,860 MW	
HOQ	CAISO	CAISO.MEAD_5_N501_month_on_dac	MEAD_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HOR	CAISO	CAISO.MEAD_5_N501_month_off_dac	MEAD_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
HLW	CAISO	CAISO.MERCHANT_2_N101_month_on_dac	MERCHANT_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	797 MW	
HLX	CAISO	CAISO.MERCHANT_2_N101_month_off_dac	MERCHANT_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	797 MW	
HLY	CAISO	CAISO.MIDWAY_5_B1_month_on_dac	MIDWAY_5_B1	Interface	Day Ahead Congestion + Energy	On Peak	9,070 MW	
HLZ	CAISO	CAISO.MIDWAY_5_B1_month_off_dac	MIDWAY_5_B1	Interface	Day Ahead Congestion + Energy	Off Peak	9,070 MW	
HME	CAISO	CAISO.MOENKOPI_5_N101_month_on_dac	MOENKOPI_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	1,412 MW	
HMF	CAISO	CAISO.MOENKOPI_5_N101_month_off_dac	MOENKOPI_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	1,412 MW	
HMG	CAISO	CAISO.MONA_3_N501_month_on_dac	MONA_3_N501	Interface	Day Ahead Congestion + Energy	On Peak	303 MW	
HMH	CAISO	CAISO.MONA_3_N501_month_off_dac	MONA_3_N501	Interface	Day Ahead Congestion + Energy	Off Peak	303 MW	
HOA	CAISO	CAISO.NGILA1_5_N001_month_on_dac	NGILA1_5_N001	Interface	Day Ahead Congestion + Energy	On Peak	366 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HOB	CAISO	CAISO.NGILA1_5_N001_month_off_dac	NGILA1_5_N001	Interface	Day Ahead Congestion + Energy	Off Peak	366 MW	
HMK	CAISO	CAISO.PALOVRDE_ASR-APND_month_on_dac	PALOVRDE_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	3,328 MW	
HML	CAISO	CAISO.PALOVRDE_ASR-APND_month_off_dac	PALOVRDE_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	3,328 MW	
FQA	CAISO	CAISO.PALOVRDE_ASR-APND_month_on_dap	PALOVRDE_ASR-APND	Interface	Day Ahead Power	On Peak	3,328 MW	
FQB	CAISO	CAISO.PALOVRDE_ASR-APND_month_off_dap	PALOVRDE_ASR-APND	Interface	Day Ahead Power	Off Peak	3,328 MW	
HMQ	CAISO	CAISO.ROA-230_2_N101_month_on_dac	ROA-230_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	800 MW	
HMR	CAISO	CAISO.ROA-230_2_N101_month_off_dac	ROA-230_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	800 MW	
HMU	CAISO	CAISO.SLVRPS2_7_N001_month_on_dac	SLVRPS2_7_N001	Interface	Day Ahead Congestion + Energy	On Peak	14 MW	
HMV	CAISO	CAISO.SLVRPS2_7_N001_month_off_dac	SLVRPS2_7_N001	Interface	Day Ahead Congestion + Energy	Off Peak	14 MW	
HMW	CAISO	CAISO.SMDA_ASR-APND_month_on_dac	SMDA_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	3,829 MW	
HMX	CAISO	CAISO.SMDA_ASR-APND_month_off_dac	SMDA_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	3,829 MW	
HOU	CAISO	CAISO.SMDH_ASR-APND_month_on_dac	SMDH_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	31 MW	
HOV	CAISO	CAISO.SMDH_ASR-APND_month_off_dac	SMDH_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	31 MW	
HOM	CAISO	CAISO.SUMMIT_ASR-APND_month_on_dac	SUMMIT_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	60 MW	
HON	CAISO	CAISO.SUMMIT_ASR-APND_month_off_dac	SUMMIT_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	60 MW	
HNA	CAISO	CAISO.SYLMARDC_2_N501_month_on_dac	SYLMARDC_2_N501	Interface	Day Ahead Congestion + Energy	On Peak	1,219 MW	
HNB	CAISO	CAISO.SYLMARDC_2_N501_month_off_dac	SYLMARDC_2_N501	Interface	Day Ahead Congestion + Energy	Off Peak	1,219 MW	
HNC	CAISO	CAISO.SYLMARS_2_B1_month_on_dac	SYLMARS_2_B1	Interface	Day Ahead Congestion + Energy	On Peak	3,100 MW	
HND	CAISO	CAISO.SYLMARS_2_B1_month_off_dac	SYLMARS_2_B1	Interface	Day Ahead Congestion + Energy	Off Peak	3,100 MW	
HNE	CAISO	CAISO.TJI-230_2_N101_month_on_dac	TJI-230_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	800 MW	
HNF	CAISO	CAISO.TJI-230_2_N101_month_off_dac	TJI-230_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	800 MW	
HNG	CAISO	CAISO.VICTORVL_5_N101_month_on_dac	VICTORVL_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	2,400 MW	
HNH	CAISO	CAISO.VICTORVL_5_N101_month_off_dac	VICTORVL_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	2,400 MW	
HNI	CAISO	CAISO.VINCENT_5_B2_month_on_dac	VINCENT_5_B2	Interface	Day Ahead Congestion + Energy	On Peak	6,594 MW	
HNJ	CAISO	CAISO.VINCENT_5_B2_month_off_dac	VINCENT_5_B2	Interface	Day Ahead Congestion + Energy	Off Peak	6,594 MW	
HNK	CAISO	CAISO.WESTWING_5_N501_month_on_dac	WESTWING_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	181 MW	
HNL	CAISO	CAISO.WESTWING_5_N501_month_off_dac	WESTWING_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	181 MW	
GYK	ERCOT	ERCOT.DC_E_month_on_dap	DC_E	Interface	Day Ahead Power	On Peak	600 MW	
GYL	ERCOT	ERCOT.DC_E_month_off_dap	DC_E	Interface	Day Ahead Power	Off Peak	600 MW	
GYM	ERCOT	ERCOT.DC_E_month_7x8_dap	DC_E	Interface	Day Ahead Power	7x8 Off Peak	600 MW	
GYN	ERCOT	ERCOT.DC_E_month_2x16_dap	DC_E	Interface	Day Ahead Power	2x16 PeakWE	600 MW	
GYG	ERCOT	ERCOT.DC_N_month_on_dap	DC_N	Interface	Day Ahead Power	On Peak	220 MW	
GYH	ERCOT	ERCOT.DC_N_month_off_dap	DC_N	Interface	Day Ahead Power	Off Peak	220 MW	
GYI	ERCOT	ERCOT.DC_N_month_7x8_dap	DC_N	Interface	Day Ahead Power	7x8 Off Peak	220 MW	
GYJ	ERCOT	ERCOT.DC_N_month_2x16_dap	DC_N	Interface	Day Ahead Power	2x16 PeakWE	220 MW	
GYC	ERCOT	ERCOT.DC_R_month_on_dap	DC_R	Interface	Day Ahead Power	On Peak	150 MW	
GYD	ERCOT	ERCOT.DC_R_month_off_dap	DC_R	Interface	Day Ahead Power	Off Peak	150 MW	
GYE	ERCOT	ERCOT.DC_R_month_7x8_dap	DC_R	Interface	Day Ahead Power	7x8 Off Peak	150 MW	
GYF	ERCOT	ERCOT.DC_R_month_2x16_dap	DC_R	Interface	Day Ahead Power	2x16 PeakWE	150 MW	
HPY	ISONE	ISONE.LD.SANDY_PD345_SMDINTLD_month_on_dac	LD.SANDY_PD345_SMDINTLD	Interface	Day Ahead Congestion + Energy	On Peak	2,000 MW	
HPZ	ISONE	ISONE.LD.SANDY_PD345_SMDINTLD_month_off_dac	LD.SANDY_PD345_SMDINTLD	Interface	Day Ahead Congestion + Energy	Off Peak	2,000 MW	
BWA	MISO	MISO.KCPL_month_on_dap	KCPL	Interface	Day Ahead Power	On Peak	164 MW	
BWB	MISO	MISO.KCPL_month_off_dap	KCPL	Interface	Day Ahead Power	Off Peak	164 MW	
CHO	MISO	MISO.ONT_month_on_dap	ONT	Interface	Day Ahead Power	On Peak	1,880 MW	
CHP	MISO	MISO.ONT_month_off_dap	ONT	Interface	Day Ahead Power	Off Peak	1,880 MW	
ANY	MISO	MISO.PJMC_month_on_dap	PJMC	Interface	Day Ahead Power	On Peak	6,217 MW	
ANZ	MISO	MISO.PJMC_month_off_dap	PJMC	Interface	Day Ahead Power	Off Peak	6,217 MW	
HPA	MISO	MISO.WR_month_on_dap	WR	Interface	Day Ahead Power	On Peak	159 MW	
HPB	MISO	MISO.WR_month_off_dap	WR	Interface	Day Ahead Power	Off Peak	159 MW	
GRU	MISO RTO	MISO.RTO.AECI_month_on_dac	AECI	Interface	Day Ahead Congestion + Energy	On Peak	400 MW	
GRV	MISO RTO	MISO.RTO.AECI_month_off_dac	AECI	Interface	Day Ahead Congestion + Energy	Off Peak	400 MW	
GSA	MISO RTO	MISO.RTO.EEI_month_on_dac	EEI	Interface	Day Ahead Congestion + Energy	On Peak	1,113 MW	
GSB	MISO RTO	MISO.RTO.EEI_month_off_dac	EEI	Interface	Day Ahead Congestion + Energy	Off Peak	1,113 MW	
GSC	MISO RTO	MISO.RTO.EES_month_on_dac	EES	Interface	Day Ahead Congestion + Energy	On Peak	986 MW	
GSD	MISO RTO	MISO.RTO.EES_month_off_dac	EES	Interface	Day Ahead Congestion + Energy	Off Peak	986 MW	
GQI	MISO RTO	MISO.RTO.ONT_month_on_dac	ONT	Interface	Day Ahead Congestion + Energy	On Peak	1,880 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GQJ	MISO_RTO	MISO_RTO.ONT_month_off_dac	ONT	Interface	Day Ahead Congestion + Energy	Off Peak	1,880 MW	
GQK	MISO_RTO	MISO_RTO.PJMC_month_on_dac	PJMC	Interface	Day Ahead Congestion + Energy	On Peak	6,217 MW	
GQL	MISO_RTO	MISO_RTO.PJMC_month_off_dac	PJMC	Interface	Day Ahead Congestion + Energy	Off Peak	6,217 MW	
GSE	MISO_RTO	MISO_RTO.SOCO_month_on_dac	SOCO	Interface	Day Ahead Congestion + Energy	On Peak	265 MW	
GSF	MISO_RTO	MISO_RTO.SOCO_month_off_dac	SOCO	Interface	Day Ahead Congestion + Energy	Off Peak	265 MW	
HBU	NYISO	NYISO.E_FISHKILL_LBMP_month_on_dac	E_FISHKILL_LBMP	Interface	Day Ahead Congestion + Energy	On Peak	1,365 MW	
HBV	NYISO	NYISO.E_FISHKILL_LBMP_month_off_dac	E_FISHKILL_LBMP	Interface	Day Ahead Congestion + Energy	Off Peak	1,365 MW	
HCQ	NYISO	NYISO.HQ_GEN_CEDARS_PROXY_month_on_dac	HQ_GEN_CEDARS_PROXY	Interface	Day Ahead Congestion + Energy	On Peak	325 MW	
HCR	NYISO	NYISO.HQ_GEN_CEDARS_PROXY_month_off_dac	HQ_GEN_CEDARS_PROXY	Interface	Day Ahead Congestion + Energy	Off Peak	325 MW	
HCS	NYISO	NYISO.HQ_GEN_IMPORT_month_on_dac	HQ_GEN_IMPORT	Interface	Day Ahead Congestion + Energy	On Peak	900 MW	
HCT	NYISO	NYISO.HQ_GEN_IMPORT_month_off_dac	HQ_GEN_IMPORT	Interface	Day Ahead Congestion + Energy	Off Peak	900 MW	
HDS	NYISO	NYISO.N.E_GEN_SANDY_PD_month_on_dac	N.E_GEN_SANDY_PD	Interface	Day Ahead Congestion + Energy	On Peak	2,000 MW	
HDT	NYISO	NYISO.N.E_GEN_SANDY_PD_month_off_dac	N.E_GEN_SANDY_PD	Interface	Day Ahead Congestion + Energy	Off Peak	2,000 MW	
HFC	NYISO	NYISO.O.H_GEN_BRUCE_month_on_dac	O.H_GEN_BRUCE	Interface	Day Ahead Congestion + Energy	On Peak	6,300 MW	
HFD	NYISO	NYISO.O.H_GEN_BRUCE_month_off_dac	O.H_GEN_BRUCE	Interface	Day Ahead Congestion + Energy	Off Peak	6,300 MW	
HFI	NYISO	NYISO.PJM_GEN_KEYSTONE_month_on_dac	PJM_GEN_KEYSTONE	Interface	Day Ahead Congestion + Energy	On Peak	1,884 MW	
HFJ	NYISO	NYISO.PJM_GEN_KEYSTONE_month_off_dac	PJM_GEN_KEYSTONE	Interface	Day Ahead Congestion + Energy	Off Peak	1,884 MW	
HFK	NYISO	NYISO.PLEASANTVLY_LBMP_month_on_dac	PLEASANTVLY_LBMP	Interface	Day Ahead Congestion + Energy	On Peak	1,641 MW	
HFL	NYISO	NYISO.PLEASANTVLY_LBMP_month_off_dac	PLEASANTVLY_LBMP	Interface	Day Ahead Congestion + Energy	Off Peak	1,641 MW	
GHS	PJM	PJM.IMO_month_on_dac	IMO	Interface	Day Ahead Congestion + Energy	On Peak	1,752 MW	
GHT	PJM	PJM.IMO_month_off_dac	IMO	Interface	Day Ahead Congestion + Energy	Off Peak	1,752 MW	
EIS	PJM	PJM.IMO_month_on_dap	IMO	Interface	Day Ahead Power	On Peak	1,752 MW	
EIT	PJM	PJM.IMO_month_off_dap	IMO	Interface	Day Ahead Power	Off Peak	1,752 MW	
GIC	PJM	PJM.MISO_month_on_dac	MISO	Interface	Day Ahead Congestion + Energy	On Peak	6,832 MW	
GID	PJM	PJM.MISO_month_off_dac	MISO	Interface	Day Ahead Congestion + Energy	Off Peak	6,832 MW	
GIK	PJM	PJM.NIPSCO_month_on_dac	NIPSCO	Interface	Day Ahead Congestion + Energy	On Peak	1,728 MW	
GIL	PJM	PJM.NIPSCO_month_off_dac	NIPSCO	Interface	Day Ahead Congestion + Energy	Off Peak	1,728 MW	
GIM	PJM	PJM.NORTHWEST_month_on_dac	NORTHWEST	Interface	Day Ahead Congestion + Energy	On Peak	125 MW	
GIN	PJM	PJM.NORTHWEST_month_off_dac	NORTHWEST	Interface	Day Ahead Congestion + Energy	Off Peak	125 MW	
GIO	PJM	PJM.NYIS_month_on_dac	NYIS	Interface	Day Ahead Congestion + Energy	On Peak	6,156 MW	
GIP	PJM	PJM.NYIS_month_off_dac	NYIS	Interface	Day Ahead Congestion + Energy	Off Peak	6,156 MW	
GIQ	PJM	PJM.OVEC_month_on_dac	OVEC	Interface	Day Ahead Congestion + Energy	On Peak	2,656 MW	
GIR	PJM	PJM.OVEC_month_off_dac	OVEC	Interface	Day Ahead Congestion + Energy	Off Peak	2,656 MW	
GJC	PJM	PJM.SOUTHIMP_month_on_dac	SOUTHIMP	Interface	Day Ahead Congestion + Energy	On Peak	5,509 MW	
GJD	PJM	PJM.SOUTHIMP_month_off_dac	SOUTHIMP	Interface	Day Ahead Congestion + Energy	Off Peak	5,509 MW	
GVS	PJM	PJM.SOUTHIMP_month_on_dap	SOUTHIMP	Interface	Day Ahead Power	On Peak	5,509 MW	
GVT	PJM	PJM.SOUTHIMP_month_off_dap	SOUTHIMP	Interface	Day Ahead Power	Off Peak	5,509 MW	
HKU	CAISO	CAISO.TH_NP15_GEN-APND_month_on_dac	TH_NP15_GEN-APND	Hub	Day Ahead Congestion + Energy	On Peak	18,828 MW	
HKV	CAISO	CAISO.TH_NP15_GEN-APND_month_off_dac	TH_NP15_GEN-APND	Hub	Day Ahead Congestion + Energy	Off Peak	15,842 MW	
FQU	CAISO	CAISO.TH_NP15_GEN-APND_month_on_dap	TH_NP15_GEN-APND	Hub	Day Ahead Power	On Peak	18,828 MW	
FQV	CAISO	CAISO.TH_NP15_GEN-APND_month_off_dap	TH_NP15_GEN-APND	Hub	Day Ahead Power	Off Peak	15,842 MW	
HKY	CAISO	CAISO.TH_ZP26_GEN-APND_month_on_dac	TH_ZP26_GEN-APND	Hub	Day Ahead Congestion + Energy	On Peak	2,352 MW	
HKZ	CAISO	CAISO.TH_ZP26_GEN-APND_month_off_dac	TH_ZP26_GEN-APND	Hub	Day Ahead Congestion + Energy	Off Peak	1,979 MW	
FQY	CAISO	CAISO.TH_ZP26_GEN-APND_month_on_dap	TH_ZP26_GEN-APND	Hub	Day Ahead Power	On Peak	2,352 MW	
FQZ	CAISO	CAISO.TH_ZP26_GEN-APND_month_off_dap	TH_ZP26_GEN-APND	Hub	Day Ahead Power	Off Peak	1,979 MW	
FVC	ERCOT	ERCOT.HB_HOUSTON_month_on_dap	HB_HOUSTON	Hub	Day Ahead Power	On Peak	18,349 MW	
FVD	ERCOT	ERCOT.HB_HOUSTON_month_off_dap	HB_HOUSTON	Hub	Day Ahead Power	Off Peak	17,478 MW	
GAL	ERCOT	ERCOT.HB_HOUSTON_month_7x8_dap	HB_HOUSTON	Hub	Day Ahead Power	7x8 Off Peak	14,955 MW	
GAK	ERCOT	ERCOT.HB_HOUSTON_month_2x16_dap	HB_HOUSTON	Hub	Day Ahead Power	2x16 PeakWE	17,478 MW	
FQJ	ERCOT	ERCOT.HB_HOUSTON_month_on_rtp	HB_HOUSTON	Hub	Real Time Power	On Peak	18,349 MW	
FQI	ERCOT	ERCOT.HB_HOUSTON_month_off_rtp	HB_HOUSTON	Hub	Real Time Power	Off Peak	17,478 MW	
GBB	ERCOT	ERCOT.HB_HOUSTON_month_7x8_rtp	HB_HOUSTON	Hub	Real Time Power	7x8 Off Peak	14,955 MW	
GBA	ERCOT	ERCOT.HB_HOUSTON_month_2x16_rtp	HB_HOUSTON	Hub	Real Time Power	2x16 PeakWE	17,478 MW	
FVG	ERCOT	ERCOT.HB_SOUTH_month_on_dap	HB_SOUTH	Hub	Day Ahead Power	On Peak	7,252 MW	
FVH	ERCOT	ERCOT.HB_SOUTH_month_off_dap	HB_SOUTH	Hub	Day Ahead Power	Off Peak	6,908 MW	
GAP	ERCOT	ERCOT.HB_SOUTH_month_7x8_dap	HB_SOUTH	Hub	Day Ahead Power	7x8 Off Peak	5,911 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GAO	ERCOT	ERCOT.HB SOUTH month 2x16 dap	HB SOUTH	Hub	Day Ahead Power	2x16 PeakWE	6,908 MW	
FOM	ERCOT	ERCOT.HB SOUTH month on rtp	HB SOUTH	Hub	Real Time Power	On Peak	7,252 MW	
FON	ERCOT	ERCOT.HB SOUTH month off rtp	HB SOUTH	Hub	Real Time Power	Off Peak	6,908 MW	
GBF	ERCOT	ERCOT.HB SOUTH month 7x8 rtp	HB SOUTH	Hub	Real Time Power	7x8 Off Peak	5,911 MW	
GBE	ERCOT	ERCOT.HB SOUTH month 2x16 rtp	HB SOUTH	Hub	Real Time Power	2x16 PeakWE	6,908 MW	
FVI	ERCOT	ERCOT.HB WEST month on dap	HB WEST	Hub	Day Ahead Power	On Peak	4,418 MW	
FVJ	ERCOT	ERCOT.HB WEST month off dap	HB WEST	Hub	Day Ahead Power	Off Peak	4,208 MW	
GAR	ERCOT	ERCOT.HB WEST month 7x8 dap	HB WEST	Hub	Day Ahead Power	7x8 Off Peak	3,601 MW	
GAQ	ERCOT	ERCOT.HB WEST month 2x16 dap	HB WEST	Hub	Day Ahead Power	2x16 PeakWE	4,208 MW	
FOO	ERCOT	ERCOT.HB WEST month on rtp	HB WEST	Hub	Real Time Power	On Peak	4,418 MW	
FOP	ERCOT	ERCOT.HB WEST month off rtp	HB WEST	Hub	Real Time Power	Off Peak	4,208 MW	
GBH	ERCOT	ERCOT.HB WEST month 7x8 rtp	HB WEST	Hub	Real Time Power	7x8 Off Peak	3,601 MW	
GBG	ERCOT	ERCOT.HB WEST month 2x16 rtp	HB WEST	Hub	Real Time Power	2x16 PeakWE	4,208 MW	
FWI	ISONE	ISONE.ENERGY month on dae	ENERGY	Hub	Day Ahead Energy	On Peak	27,334 MW	
FWJ	ISONE	ISONE.ENERGY month off dae	ENERGY	Hub	Day Ahead Energy	Off Peak	22,780 MW	
FVW	MISO	MISO.ENERGY month on dae	ENERGY	Hub	Day Ahead Energy	On Peak	98,027 MW	
FVX	MISO	MISO.ENERGY month off dae	ENERGY	Hub	Day Ahead Energy	Off Peak	88,818 MW	
FVY	MISO	MISO.ENERGY month on rte	ENERGY	Hub	Real Time Energy	On Peak	98,027 MW	
FVZ	MISO	MISO.ENERGY month off rte	ENERGY	Hub	Real Time Energy	Off Peak	88,818 MW	
BVC	MISO	MISO.ILLINOIS.HUB month on dap	ILLINOIS.HUB	Hub	Day Ahead Power	On Peak	5,230 MW	
BVD	MISO	MISO.ILLINOIS.HUB month off dap	ILLINOIS.HUB	Hub	Day Ahead Power	Off Peak	4,568 MW	
FSU	MISO	MISO.ILLINOIS.HUB month on rtp	ILLINOIS.HUB	Hub	Real Time Power	On Peak	5,230 MW	
FSV	MISO	MISO.ILLINOIS.HUB month off rtp	ILLINOIS.HUB	Hub	Real Time Power	Off Peak	4,568 MW	
BXW	MISO	MISO.MICHIGAN.HUB month on dap	MICHIGAN.HUB	Hub	Day Ahead Power	On Peak	19,620 MW	
BXX	MISO	MISO.MICHIGAN.HUB month off dap	MICHIGAN.HUB	Hub	Day Ahead Power	Off Peak	17,135 MW	
FRK	MISO	MISO.MICHIGAN.HUB month on rtp	MICHIGAN.HUB	Hub	Real Time Power	On Peak	19,620 MW	
FRL	MISO	MISO.MICHIGAN.HUB month off rtp	MICHIGAN.HUB	Hub	Real Time Power	Off Peak	17,135 MW	
BYA	MISO	MISO.MINN.HUB month on dap	MINN.HUB	Hub	Day Ahead Power	On Peak	11,641 MW	
BYB	MISO	MISO.MINN.HUB month off dap	MINN.HUB	Hub	Day Ahead Power	Off Peak	10,167 MW	
FSW	MISO	MISO.MINN.HUB month on rtp	MINN.HUB	Hub	Real Time Power	On Peak	11,641 MW	
FSX	MISO	MISO.MINN.HUB month off rtp	MINN.HUB	Hub	Real Time Power	Off Peak	10,167 MW	
GMI	MISO RTO	MISO RTO.ILLINOIS.HUB month on dac	ILLINOIS.HUB	Hub	Day Ahead Congestion + Energy	On Peak	5,230 MW	
GMJ	MISO RTO	MISO RTO.ILLINOIS.HUB month off dac	ILLINOIS.HUB	Hub	Day Ahead Congestion + Energy	Off Peak	4,568 MW	
FXQ	MISO RTO	MISO RTO.ILLINOIS.HUB month on dap	ILLINOIS.HUB	Hub	Day Ahead Power	On Peak	5,230 MW	
FXR	MISO RTO	MISO RTO.ILLINOIS.HUB month off dap	ILLINOIS.HUB	Hub	Day Ahead Power	Off Peak	4,568 MW	
GMM	MISO RTO	MISO RTO.MICHIGAN.HUB month on dac	MICHIGAN.HUB	Hub	Day Ahead Congestion + Energy	On Peak	19,620 MW	
GMN	MISO RTO	MISO RTO.MICHIGAN.HUB month off dac	MICHIGAN.HUB	Hub	Day Ahead Congestion + Energy	Off Peak	17,135 MW	
FXS	MISO RTO	MISO RTO.MICHIGAN.HUB month on dap	MICHIGAN.HUB	Hub	Day Ahead Power	On Peak	19,620 MW	
FXT	MISO RTO	MISO RTO.MICHIGAN.HUB month off dap	MICHIGAN.HUB	Hub	Day Ahead Power	Off Peak	17,135 MW	
GMO	MISO RTO	MISO RTO.MINN.HUB month on dac	MINN.HUB	Hub	Day Ahead Congestion + Energy	On Peak	11,641 MW	
GMP	MISO RTO	MISO RTO.MINN.HUB month off dac	MINN.HUB	Hub	Day Ahead Congestion + Energy	Off Peak	10,167 MW	
FXU	MISO RTO	MISO RTO.MINN.HUB month on dap	MINN.HUB	Hub	Day Ahead Power	On Peak	11,641 MW	
FXV	MISO RTO	MISO RTO.MINN.HUB month off dap	MINN.HUB	Hub	Day Ahead Power	Off Peak	10,167 MW	
FWE	NYISO	NYISO.ENERGY month on dae	ENERGY	Hub	Day Ahead Energy	On Peak	33,865 MW	
FWF	NYISO	NYISO.ENERGY month off dae	ENERGY	Hub	Day Ahead Energy	Off Peak	30,421 MW	
HEO	NYISO	NYISO.NYISO LBMP REFERENCE month on dac	NYISO LBMP REFERENCE	Hub	Day Ahead Congestion + Energy	On Peak	33,865 MW	
HEP	NYISO	NYISO.NYISO LBMP REFERENCE month off dac	NYISO LBMP REFERENCE	Hub	Day Ahead Congestion + Energy	Off Peak	30,421 MW	
GDE	PJM	PJM.AEP-DAYTON HUB month on dac	AEP-DAYTON HUB	Hub	Day Ahead Congestion + Energy	On Peak	28,123 MW	
GDF	PJM	PJM.AEP-DAYTON HUB month off dac	AEP-DAYTON HUB	Hub	Day Ahead Congestion + Energy	Off Peak	26,140 MW	
DLW	PJM	PJM.AEP-DAYTON HUB month on dap	AEP-DAYTON HUB	Hub	Day Ahead Power	On Peak	28,123 MW	
DLX	PJM	PJM.AEP-DAYTON HUB month off dap	AEP-DAYTON HUB	Hub	Day Ahead Power	Off Peak	26,140 MW	
HXO	PJM	PJM.AEP-DAYTON HUB month 7x8 dap	AEP-DAYTON HUB	Hub	Day Ahead Power	7x8 Off Peak	21,763 MW	
HXP	PJM	PJM.AEP-DAYTON HUB month 2x16 dap	AEP-DAYTON HUB	Hub	Day Ahead Power	2x16 PeakWE	26,140 MW	
FKA	PJM	PJM.AEP-DAYTON HUB month on rtp	AEP-DAYTON HUB	Hub	Real Time Power	On Peak	28,123 MW	
FKB	PJM	PJM.AEP-DAYTON HUB month off rtp	AEP-DAYTON HUB	Hub	Real Time Power	Off Peak	26,140 MW	
HXM	PJM	PJM.AEP-DAYTON HUB month 7x8 rtp	AEP-DAYTON HUB	Hub	Real Time Power	7x8 Off Peak	21,763 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HXN	PJM	PJM.AEP-DAYTON HUB month 2x16 rtp	AEP-DAYTON HUB	Hub	Real Time Power	2x16 PeakWE	26,140 MW	
HSM	PJM	PJM.DOMINION HUB month on dac	DOMINION HUB	Hub	Day Ahead Congestion + Energy	On Peak	53,111 MW	
HSN	PJM	PJM.DOMINION HUB month off dac	DOMINION HUB	Hub	Day Ahead Congestion + Energy	Off Peak	49,601 MW	
DZU	PJM	PJM.DOMINION HUB month on dap	DOMINION HUB	Hub	Day Ahead Power	On Peak	53,111 MW	
DZV	PJM	PJM.DOMINION HUB month off dap	DOMINION HUB	Hub	Day Ahead Power	Off Peak	49,601 MW	
GEO	PJM	PJM.EASTERN HUB month on dac	EASTERN HUB	Hub	Day Ahead Congestion + Energy	On Peak	41,102 MW	
GEP	PJM	PJM.EASTERN HUB month off dac	EASTERN HUB	Hub	Day Ahead Congestion + Energy	Off Peak	37,406 MW	
EAS	PJM	PJM.EASTERN HUB month on dap	EASTERN HUB	Hub	Day Ahead Power	On Peak	41,102 MW	
EAT	PJM	PJM.EASTERN HUB month off dap	EASTERN HUB	Hub	Day Ahead Power	Off Peak	37,406 MW	
FRU	PJM	PJM.EASTERN HUB month on rtp	EASTERN HUB	Hub	Real Time Power	On Peak	41,102 MW	
FRV	PJM	PJM.EASTERN HUB month off rtp	EASTERN HUB	Hub	Real Time Power	Off Peak	37,406 MW	
FWA	PJM	PJM.ENERGY month on dae	ENERGY	Hub	Day Ahead Energy	On Peak	158,043 MW	
FWB	PJM	PJM.ENERGY month off dae	ENERGY	Hub	Day Ahead Energy	Off Peak	147,631 MW	
FWC	PJM	PJM.ENERGY month on rte	ENERGY	Hub	Real Time Energy	On Peak	158,043 MW	
FWD	PJM	PJM.ENERGY month off rte	ENERGY	Hub	Real Time Energy	Off Peak	147,631 MW	
GFK	PJM	PJM.N ILLINOIS HUB month on dac	N ILLINOIS HUB	Hub	Day Ahead Congestion + Energy	On Peak	23,753 MW	
GFL	PJM	PJM.N ILLINOIS HUB month off dac	N ILLINOIS HUB	Hub	Day Ahead Congestion + Energy	Off Peak	20,785 MW	
ERM	PJM	PJM.N ILLINOIS HUB month on dap	N ILLINOIS HUB	Hub	Day Ahead Power	On Peak	23,753 MW	
ERN	PJM	PJM.N ILLINOIS HUB month off dap	N ILLINOIS HUB	Hub	Day Ahead Power	Off Peak	20,785 MW	
FKC	PJM	PJM.N ILLINOIS HUB month on rtp	N ILLINOIS HUB	Hub	Real Time Power	On Peak	23,753 MW	
FKD	PJM	PJM.N ILLINOIS HUB month off rtp	N ILLINOIS HUB	Hub	Real Time Power	Off Peak	20,785 MW	
GFM	PJM	PJM.NEW JERSEY HUB month on dac	NEW JERSEY HUB	Hub	Day Ahead Congestion + Energy	On Peak	24,696 MW	
GFN	PJM	PJM.NEW JERSEY HUB month off dac	NEW JERSEY HUB	Hub	Day Ahead Congestion + Energy	Off Peak	22,269 MW	
HNW	CAISO	CAISO.MCSWAIN 6 N001 month on dac	MCSWAIN 6 N001	Generator	Day Ahead Congestion + Energy	On Peak	7 MW	
HNX	CAISO	CAISO.MCSWAIN 6 N001 month off dac	MCSWAIN 6 N001	Generator	Day Ahead Congestion + Energy	Off Peak	7 MW	
HMA	CAISO	CAISO.MISSION 2 N035 month on dac	MISSION 2 N035	Generator	Day Ahead Congestion + Energy	On Peak	7 MW	
HMB	CAISO	CAISO.MISSION 2 N035 month off dac	MISSION 2 N035	Generator	Day Ahead Congestion + Energy	Off Peak	7 MW	
HMC	CAISO	CAISO.MISSION 1 N015 month on dac	MISSION 1 N015	Generator	Day Ahead Congestion + Energy	On Peak	1 MW	
HMD	CAISO	CAISO.MISSION 1 N015 month off dac	MISSION 1 N015	Generator	Day Ahead Congestion + Energy	Off Peak	1 MW	
HMM	CAISO	CAISO.POD DIABLO 7 UNIT 2-APND month on dac	POD DIABLO 7 UNIT 2-APND	Generator	Day Ahead Congestion + Energy	On Peak	2,240 MW	
HMN	CAISO	CAISO.POD DIABLO 7 UNIT 2-APND month off dac	POD DIABLO 7 UNIT 2-APND	Generator	Day Ahead Congestion + Energy	Off Peak	2,240 MW	
HOI	CAISO	CAISO.POD EXCHEC 7 UNIT 1-APND month on dac	POD EXCHEC 7 UNIT 1-APND	Generator	Day Ahead Congestion + Energy	On Peak	71 MW	
HOJ	CAISO	CAISO.POD EXCHEC 7 UNIT 1-APND month off dac	POD EXCHEC 7 UNIT 1-APND	Generator	Day Ahead Congestion + Energy	Off Peak	71 MW	
HMI	CAISO	CAISO.POD MOSSL 2 PSP2-APND month on dac	POD MOSSL 2 PSP2-APND	Generator	Day Ahead Congestion + Energy	On Peak	2,530 MW	
HMJ	CAISO	CAISO.POD MOSSL 2 PSP2-APND month off dac	POD MOSSL 2 PSP2-APND	Generator	Day Ahead Congestion + Energy	Off Peak	2,530 MW	
HMO	CAISO	CAISO.POD PITTS 7 UNIT 7-APND month on dac	POD PITTS 7 UNIT 7-APND	Generator	Day Ahead Congestion + Energy	On Peak	1,311 MW	
HMP	CAISO	CAISO.POD PITTS 7 UNIT 7-APND month off dac	POD PITTS 7 UNIT 7-APND	Generator	Day Ahead Congestion + Energy	Off Peak	1,311 MW	
HMY	CAISO	CAISO.SONFR2 7 B1 month on dac	SONFR2 7 B1	Generator	Day Ahead Congestion + Energy	On Peak	2,246 MW	
HMZ	CAISO	CAISO.SONFR2 7 B1 month off dac	SONFR2 7 B1	Generator	Day Ahead Congestion + Energy	Off Peak	2,246 MW	
HNS	CAISO	CAISO.VALLEYS 1 N013 month on dac	VALLEYS 1 N013	Generator	Day Ahead Congestion + Energy	On Peak	3 MW	
HNT	CAISO	CAISO.VALLEYS 1 N013 month off dac	VALLEYS 1 N013	Generator	Day Ahead Congestion + Energy	Off Peak	3 MW	
GCI	ERCOT	ERCOT.LEG LEG G1 month on dap	LEG LEG G1	Generator	Day Ahead Power	On Peak	1,689 MW	
G CJ	ERCOT	ERCOT.LEG LEG G1 month off dap	LEG LEG G1	Generator	Day Ahead Power	Off Peak	1,689 MW	
HUK	ERCOT	ERCOT.LEG LEG G2 month on dap	LEG LEG G2	Generator	Day Ahead Power	On Peak	1,689 MW	
HUL	ERCOT	ERCOT.LEG LEG G2 month off dap	LEG LEG G2	Generator	Day Ahead Power	Off Peak	1,689 MW	
HUI	ERCOT	ERCOT.LEG LEG G2 month on rtp	LEG LEG G2	Generator	Real Time Power	On Peak	1,689 MW	
HUJ	ERCOT	ERCOT.LEG LEG G2 month off rtp	LEG LEG G2	Generator	Real Time Power	Off Peak	1,689 MW	
GYO	ERCOT	ERCOT.OECCS 1 month on dap	OECCS 1	Generator	Day Ahead Power	On Peak	993 MW	
GYP	ERCOT	ERCOT.OECCS 1 month off dap	OECCS 1	Generator	Day Ahead Power	Off Peak	993 MW	
GYQ	ERCOT	ERCOT.OECCS 1 month on rtp	OECCS 1	Generator	Real Time Power	On Peak	993 MW	
GYR	ERCOT	ERCOT.OECCS 1 month off rtp	OECCS 1	Generator	Real Time Power	Off Peak	993 MW	
GVQ	ERCOT	ERCOT.OKLA OKLA G1 month on dap	OKLA OKLA G1	Generator	Day Ahead Power	On Peak	650 MW	
GVR	ERCOT	ERCOT.OKLA OKLA G1 month off dap	OKLA OKLA G1	Generator	Day Ahead Power	Off Peak	650 MW	
GVO	ERCOT	ERCOT.OKLA OKLA G1 month on rtp	OKLA OKLA G1	Generator	Real Time Power	On Peak	650 MW	
GVP	ERCOT	ERCOT.OKLA OKLA G1 month off rtp	OKLA OKLA G1	Generator	Real Time Power	Off Peak	650 MW	
HUO	ERCOT	ERCOT.STP STP G1 month on dap	STP STP G1	Generator	Day Ahead Power	On Peak	2,750 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HUP	ERCOT	ERCOT.STP_STP_G1_month_off_dap	STP_STP_G1	Generator	Day Ahead Power	Off Peak	2,750 MW	
HUM	ERCOT	ERCOT.STP_STP_G1_month_on_rtp	STP_STP_G1	Generator	Real Time Power	On Peak	2,750 MW	
HUN	ERCOT	ERCOT.STP_STP_G1_month_off_rtp	STP_STP_G1	Generator	Real Time Power	Off Peak	2,750 MW	
HUS	ERCOT	ERCOT.WAP_WAP_G5_month_on_dap	WAP_WAP_G5	Generator	Day Ahead Power	On Peak	3,652 MW	
HUT	ERCOT	ERCOT.WAP_WAP_G5_month_off_dap	WAP_WAP_G5	Generator	Day Ahead Power	Off Peak	3,652 MW	
HUQ	ERCOT	ERCOT.WAP_WAP_G5_month_on_rtp	WAP_WAP_G5	Generator	Real Time Power	On Peak	3,652 MW	
HUR	ERCOT	ERCOT.WAP_WAP_G5_month_off_rtp	WAP_WAP_G5	Generator	Real Time Power	Off Peak	3,652 MW	
HUW	ERCOT	ERCOT.WAP_WAP_G8_month_on_dap	WAP_WAP_G8	Generator	Day Ahead Power	On Peak	3,652 MW	
HUX	ERCOT	ERCOT.WAP_WAP_G8_month_off_dap	WAP_WAP_G8	Generator	Day Ahead Power	Off Peak	3,652 MW	
HUU	ERCOT	ERCOT.WAP_WAP_G8_month_on_rtp	WAP_WAP_G8	Generator	Real Time Power	On Peak	3,652 MW	
HUV	ERCOT	ERCOT.WAP_WAP_G8_month_off_rtp	WAP_WAP_G8	Generator	Real Time Power	Off Peak	3,652 MW	
HQA	ISONE	ISONE.UN.MYSTIC 18.1MYS8_month_on_dac	UN.MYSTIC 18.1MYS8	Generator	Day Ahead Congestion + Energy	On Peak	2,376 MW	
HQB	ISONE	ISONE.UN.MYSTIC 18.1MYS8_month_off_dac	UN.MYSTIC 18.1MYS8	Generator	Day Ahead Congestion + Energy	Off Peak	2,376 MW	
HQC	ISONE	ISONE.UN.PILGRIM 22.8PILG_month_on_dac	UN.PILGRIM 22.8PILG	Generator	Day Ahead Congestion + Energy	On Peak	670 MW	
HQD	ISONE	ISONE.UN.PILGRIM 22.8PILG_month_off_dac	UN.PILGRIM 22.8PILG	Generator	Day Ahead Congestion + Energy	Off Peak	670 MW	
HPW	ISONE	ISONE.UN.SEABROOK24.5SBRK_month_on_dac	UN.SEABROOK24.5SBRK	Generator	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HPX	ISONE	ISONE.UN.SEABROOK24.5SBRK_month_off_dac	UN.SEABROOK24.5SBRK	Generator	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
APA	MISO	MISO.ALTE.ROCKGEN1_month_on_dap	ALTE.ROCKGEN1	Generator	Day Ahead Power	On Peak	468 MW	
APB	MISO	MISO.ALTE.ROCKGEN1_month_off_dap	ALTE.ROCKGEN1	Generator	Day Ahead Power	Off Peak	468 MW	
ARE	MISO	MISO.ALTW.FOXLK1_month_on_dap	ALTW.FOXLK1	Generator	Day Ahead Power	On Peak	108 MW	
ARF	MISO	MISO.ALTW.FOXLK1_month_off_dap	ALTW.FOXLK1	Generator	Day Ahead Power	Off Peak	108 MW	
ARI	MISO	MISO.ALTW.FOXLK3_month_on_dap	ALTW.FOXLK3	Generator	Day Ahead Power	On Peak	108 MW	
ARJ	MISO	MISO.ALTW.FOXLK3_month_off_dap	ALTW.FOXLK3	Generator	Day Ahead Power	Off Peak	108 MW	
CFY	MISO	MISO.NSP.SMP.S3_month_on_dap	NSP.SMP.S3	Generator	Day Ahead Power	On Peak	900 MW	
CFZ	MISO	MISO.NSP.SMP.S3_month_off_dap	NSP.SMP.S3	Generator	Day Ahead Power	Off Peak	900 MW	
FUS	MISO	MISO.WEC.PTBHGB1_month_on_dap	WEC.PTBHGB1	Generator	Day Ahead Power	On Peak	1,182 MW	
FUT	MISO	MISO.WEC.PTBHGB1_month_off_dap	WEC.PTBHGB1	Generator	Day Ahead Power	Off Peak	1,182 MW	
COE	MISO	MISO.WEC.PTBHGB2_month_on_dap	WEC.PTBHGB2	Generator	Day Ahead Power	On Peak	1,182 MW	
COF	MISO	MISO.WEC.PTBHGB2_month_off_dap	WEC.PTBHGB2	Generator	Day Ahead Power	Off Peak	1,182 MW	
HKS	MISO RTO	MISO RTO.ALTW.8THST3_month_on_dac	ALTW.8THST3	Generator	Day Ahead Congestion + Energy	On Peak	70 MW	
HKT	MISO RTO	MISO RTO.ALTW.8THST3_month_off_dac	ALTW.8THST3	Generator	Day Ahead Congestion + Energy	Off Peak	70 MW	
GPI	MISO RTO	MISO RTO.ALTW.BVRCH2_month_on_dac	ALTW.BVRCH2	Generator	Day Ahead Congestion + Energy	On Peak	236 MW	
GPJ	MISO RTO	MISO RTO.ALTW.BVRCH2_month_off_dac	ALTW.BVRCH2	Generator	Day Ahead Congestion + Energy	Off Peak	236 MW	
GMW	MISO RTO	MISO RTO.ALTW.DAEC_month_on_dac	ALTW.DAEC	Generator	Day Ahead Congestion + Energy	On Peak	557 MW	
GMX	MISO RTO	MISO RTO.ALTW.DAEC_month_off_dac	ALTW.DAEC	Generator	Day Ahead Congestion + Energy	Off Peak	557 MW	
GOM	MISO RTO	MISO RTO.ALTW.JOULGSCIP_month_on_dac	ALTW.JOULGSCIP	Generator	Day Ahead Congestion + Energy	On Peak	755 MW	
GON	MISO RTO	MISO RTO.ALTW.JOULGSCIP_month_off_dac	ALTW.JOULGSCIP	Generator	Day Ahead Congestion + Energy	Off Peak	755 MW	
GSK	MISO RTO	MISO RTO.ALTW.LOSTLAKES_month_on_dac	ALTW.LOSTLAKES	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
GSL	MISO RTO	MISO RTO.ALTW.LOSTLAKES_month_off_dac	ALTW.LOSTLAKES	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
GNI	MISO RTO	MISO RTO.ALTW.OTTUMW1_month_on_dac	ALTW.OTTUMW1	Generator	Day Ahead Congestion + Energy	On Peak	765 MW	
GNJ	MISO RTO	MISO RTO.ALTW.OTTUMW1_month_off_dac	ALTW.OTTUMW1	Generator	Day Ahead Congestion + Energy	Off Peak	765 MW	
GPK	MISO RTO	MISO RTO.ALTW.PIONPRAR2_month_on_dac	ALTW.PIONPRAR2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
GPL	MISO RTO	MISO RTO.ALTW.PIONPRAR2_month_off_dac	ALTW.PIONPRAR2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
GPE	MISO RTO	MISO RTO.ALTW.WSEC3_month_on_dac	ALTW.WSEC3	Generator	Day Ahead Congestion + Energy	On Peak	670 MW	
GPF	MISO RTO	MISO RTO.ALTW.WSEC3_month_off_dac	ALTW.WSEC3	Generator	Day Ahead Congestion + Energy	Off Peak	670 MW	
GMS	MISO RTO	MISO RTO.AMIL.BALDWI51_month_on_dac	AMIL.BALDWI51	Generator	Day Ahead Congestion + Energy	On Peak	1,761 MW	
GMT	MISO RTO	MISO RTO.AMIL.BALDWI51_month_off_dac	AMIL.BALDWI51	Generator	Day Ahead Congestion + Energy	Off Peak	1,761 MW	
HRI	MISO RTO	MISO RTO.AMIL.BALDWI52_month_on_dac	AMIL.BALDWI52	Generator	Day Ahead Congestion + Energy	On Peak	1,761 MW	
HRJ	MISO RTO	MISO RTO.AMIL.BALDWI52_month_off_dac	AMIL.BALDWI52	Generator	Day Ahead Congestion + Energy	Off Peak	1,761 MW	
HRK	MISO RTO	MISO RTO.AMIL.BALDWI53_month_on_dac	AMIL.BALDWI53	Generator	Day Ahead Congestion + Energy	On Peak	1,761 MW	
HRL	MISO RTO	MISO RTO.AMIL.BALDWI53_month_off_dac	AMIL.BALDWI53	Generator	Day Ahead Congestion + Energy	Off Peak	1,761 MW	
GRW	MISO RTO	MISO RTO.AMIL.CC.GDTWR2_month_on_dac	AMIL.CC.GDTWR2	Generator	Day Ahead Congestion + Energy	On Peak	275 MW	
GRX	MISO RTO	MISO RTO.AMIL.CC.GDTWR2_month_off_dac	AMIL.CC.GDTWR2	Generator	Day Ahead Congestion + Energy	Off Peak	275 MW	
GNK	MISO RTO	MISO RTO.AMIL.CLINTO51_month_on_dac	AMIL.CLINTO51	Generator	Day Ahead Congestion + Energy	On Peak	1,055 MW	
GNL	MISO RTO	MISO RTO.AMIL.CLINTO51_month_off_dac	AMIL.CLINTO51	Generator	Day Ahead Congestion + Energy	Off Peak	1,055 MW	
GOE	MISO RTO	MISO RTO.AMIL.COFFEEN1_month_on_dac	AMIL.COFFEEN1	Generator	Day Ahead Congestion + Energy	On Peak	950 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GOF	MISO_RTO	MISO_RTO.AMIL.COFFEEN1_month_off_dac	AMIL.COFFEEN1	Generator	Day Ahead Congestion + Energy	Off Peak	950 MW	
GPM	MISO_RTO	MISO_RTO.AMIL.DUCKCRK1_month_on_dac	AMIL.DUCKCRK1	Generator	Day Ahead Congestion + Energy	On Peak	412 MW	
GPN	MISO_RTO	MISO_RTO.AMIL.DUCKCRK1_month_off_dac	AMIL.DUCKCRK1	Generator	Day Ahead Congestion + Energy	Off Peak	412 MW	
GRY	MISO_RTO	MISO_RTO.AMIL.EDWARDS3_month_on_dac	AMIL.EDWARDS3	Generator	Day Ahead Congestion + Energy	On Peak	745 MW	
GRZ	MISO_RTO	MISO_RTO.AMIL.EDWARDS3_month_off_dac	AMIL.EDWARDS3	Generator	Day Ahead Congestion + Energy	Off Peak	745 MW	
GVI	MISO_RTO	MISO_RTO.AMIL.HAVANA86_month_on_dac	AMIL.HAVANA86	Generator	Day Ahead Congestion + Energy	On Peak	458 MW	
GVJ	MISO_RTO	MISO_RTO.AMIL.HAVANA86_month_off_dac	AMIL.HAVANA86	Generator	Day Ahead Congestion + Energy	Off Peak	458 MW	
GSG	MISO_RTO	MISO_RTO.AMIL.HENNEPN81_month_on_dac	AMIL.HENNEPN81	Generator	Day Ahead Congestion + Energy	On Peak	290 MW	
GSH	MISO_RTO	MISO_RTO.AMIL.HENNEPN81_month_off_dac	AMIL.HENNEPN81	Generator	Day Ahead Congestion + Energy	Off Peak	290 MW	
GNA	MISO_RTO	MISO_RTO.AMIL.NEWTON21_month_on_dac	AMIL.NEWTON21	Generator	Day Ahead Congestion + Energy	On Peak	1,260 MW	
GNB	MISO_RTO	MISO_RTO.AMIL.NEWTON21_month_off_dac	AMIL.NEWTON21	Generator	Day Ahead Congestion + Energy	Off Peak	1,260 MW	
GSM	MISO_RTO	MISO_RTO.AMIL.RSPWIND_month_on_dac	AMIL.RSPWIND	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
GSN	MISO_RTO	MISO_RTO.AMIL.RSPWIND_month_off_dac	AMIL.RSPWIND	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HKC	MISO_RTO	MISO_RTO.AMIL.STWF_month_on_dac	AMIL.STWF	Generator	Day Ahead Congestion + Energy	On Peak	150 MW	
HKD	MISO_RTO	MISO_RTO.AMIL.STWF_month_off_dac	AMIL.STWF	Generator	Day Ahead Congestion + Energy	Off Peak	150 MW	
GSI	MISO_RTO	MISO_RTO.AMIL.WOODRW85_month_on_dac	AMIL.WOODRW85	Generator	Day Ahead Congestion + Energy	On Peak	356 MW	
GSJ	MISO_RTO	MISO_RTO.AMIL.WOODRW85_month_off_dac	AMIL.WOODRW85	Generator	Day Ahead Congestion + Energy	Off Peak	356 MW	
GPS	MISO_RTO	MISO_RTO.AMMO.CALLAWAY1_month_on_dac	AMMO.CALLAWAY1	Generator	Day Ahead Congestion + Energy	On Peak	1,192 MW	
GPT	MISO_RTO	MISO_RTO.AMMO.CALLAWAY1_month_off_dac	AMMO.CALLAWAY1	Generator	Day Ahead Congestion + Energy	Off Peak	1,192 MW	
HJY	MISO_RTO	MISO_RTO.AMMO.GOOSEGEN1_month_on_dac	AMMO.GOOSEGEN1	Generator	Day Ahead Congestion + Energy	On Peak	450 MW	
HJZ	MISO_RTO	MISO_RTO.AMMO.GOOSEGEN1_month_off_dac	AMMO.GOOSEGEN1	Generator	Day Ahead Congestion + Energy	Off Peak	450 MW	
GMV	MISO_RTO	MISO_RTO.AMMO.LABADIE1_month_on_dac	AMMO.LABADIE1	Generator	Day Ahead Congestion + Energy	On Peak	2,529 MW	
GMZ	MISO_RTO	MISO_RTO.AMMO.LABADIE1_month_off_dac	AMMO.LABADIE1	Generator	Day Ahead Congestion + Energy	Off Peak	2,529 MW	
GYU	MISO_RTO	MISO_RTO.AMMO.MERAMECT1_month_on_dac	AMMO.MERAMECT1	Generator	Day Ahead Congestion + Energy	On Peak	108 MW	
GYV	MISO_RTO	MISO_RTO.AMMO.MERAMECT1_month_off_dac	AMMO.MERAMECT1	Generator	Day Ahead Congestion + Energy	Off Peak	108 MW	
GNE	MISO_RTO	MISO_RTO.AMMO.RUSHIS1_month_on_dac	AMMO.RUSHIS1	Generator	Day Ahead Congestion + Energy	On Peak	1,270 MW	
GNF	MISO_RTO	MISO_RTO.AMMO.RUSHIS1_month_off_dac	AMMO.RUSHIS1	Generator	Day Ahead Congestion + Energy	Off Peak	1,270 MW	
GYS	MISO_RTO	MISO_RTO.AMMO.SIOUX1_month_on_dac	AMMO.SIOUX1	Generator	Day Ahead Congestion + Energy	On Peak	1,035 MW	
GYT	MISO_RTO	MISO_RTO.AMMO.SIOUX1_month_off_dac	AMMO.SIOUX1	Generator	Day Ahead Congestion + Energy	Off Peak	1,035 MW	
GPU	MISO_RTO	MISO_RTO.CIN.CAYUGA.1_month_on_dac	CIN.CAYUGA.1	Generator	Day Ahead Congestion + Energy	On Peak	1,040 MW	
GPV	MISO_RTO	MISO_RTO.CIN.CAYUGA.1_month_off_dac	CIN.CAYUGA.1	Generator	Day Ahead Congestion + Energy	Off Peak	1,040 MW	
GOI	MISO_RTO	MISO_RTO.CIN.GIBSON.1_month_on_dac	CIN.GIBSON.1	Generator	Day Ahead Congestion + Energy	On Peak	3,230 MW	
GOJ	MISO_RTO	MISO_RTO.CIN.GIBSON.1_month_off_dac	CIN.GIBSON.1	Generator	Day Ahead Congestion + Energy	Off Peak	3,230 MW	
GPW	MISO_RTO	MISO_RTO.CONS.CAMPBELL2_month_on_dac	CONS.CAMPBELL2	Generator	Day Ahead Congestion + Energy	On Peak	615 MW	
GPX	MISO_RTO	MISO_RTO.CONS.CAMPBELL2_month_off_dac	CONS.CAMPBELL2	Generator	Day Ahead Congestion + Energy	Off Peak	615 MW	
GOO	MISO_RTO	MISO_RTO.CONS.LIVINGEN1_month_on_dac	CONS.LIVINGEN1	Generator	Day Ahead Congestion + Energy	On Peak	132 MW	
GOP	MISO_RTO	MISO_RTO.CONS.LIVINGEN1_month_off_dac	CONS.LIVINGEN1	Generator	Day Ahead Congestion + Energy	Off Peak	132 MW	
GMU	MISO_RTO	MISO_RTO.CONS.PALISA2A1_month_on_dac	CONS.PALISA2A1	Generator	Day Ahead Congestion + Energy	On Peak	820 MW	
GMV	MISO_RTO	MISO_RTO.CONS.PALISA2A1_month_off_dac	CONS.PALISA2A1	Generator	Day Ahead Congestion + Energy	Off Peak	820 MW	
GOW	MISO_RTO	MISO_RTO.DECO.LUD1_month_on_dac	DECO.LUD1	Generator	Day Ahead Congestion + Energy	On Peak	312 MW	
GOX	MISO_RTO	MISO_RTO.DECO.LUD1_month_off_dac	DECO.LUD1	Generator	Day Ahead Congestion + Energy	Off Peak	312 MW	
GUY	MISO_RTO	MISO_RTO.DECO.MONROE1_month_on_dac	DECO.MONROE1	Generator	Day Ahead Congestion + Energy	On Peak	3,120 MW	
GUZ	MISO_RTO	MISO_RTO.DECO.MONROE1_month_off_dac	DECO.MONROE1	Generator	Day Ahead Congestion + Energy	Off Peak	3,120 MW	
GOC	MISO_RTO	MISO_RTO.DECO.STCLAIR4_month_on_dac	DECO.STCLAIR4	Generator	Day Ahead Congestion + Energy	On Peak	1,417 MW	
GOD	MISO_RTO	MISO_RTO.DECO.STCLAIR4_month_off_dac	DECO.STCLAIR4	Generator	Day Ahead Congestion + Energy	Off Peak	1,417 MW	
GOQ	MISO_RTO	MISO_RTO.GRE.LKFLGR1_month_on_dac	GRE.LKFLGR1	Generator	Day Ahead Congestion + Energy	On Peak	550 MW	
GOR	MISO_RTO	MISO_RTO.GRE.LKFLGR1_month_off_dac	GRE.LKFLGR1	Generator	Day Ahead Congestion + Energy	Off Peak	550 MW	
GNS	MISO_RTO	MISO_RTO.IPL.16PETEE3_month_on_dac	IPL.16PETEE3	Generator	Day Ahead Congestion + Energy	On Peak	525 MW	
GNT	MISO_RTO	MISO_RTO.IPL.16PETEE3_month_off_dac	IPL.16PETEE3	Generator	Day Ahead Congestion + Energy	Off Peak	525 MW	
GNU	MISO_RTO	MISO_RTO.IPL.16STOU707_month_on_dac	IPL.16STOU707	Generator	Day Ahead Congestion + Energy	On Peak	522 MW	
GNV	MISO_RTO	MISO_RTO.IPL.16STOU707_month_off_dac	IPL.16STOU707	Generator	Day Ahead Congestion + Energy	Off Peak	522 MW	
GVA	MISO_RTO	MISO_RTO.NIPS.BAILL7_month_on_dac	NIPS.BAILL7	Generator	Day Ahead Congestion + Energy	On Peak	511 MW	
GVB	MISO_RTO	MISO_RTO.NIPS.BAILL7_month_off_dac	NIPS.BAILL7	Generator	Day Ahead Congestion + Energy	Off Peak	511 MW	
HKK	MISO_RTO	MISO_RTO.NIPS.NORWAPNOR_month_on_dac	NIPS.NORWAPNOR	Generator	Day Ahead Congestion + Energy	On Peak	4 MW	
HKL	MISO_RTO	MISO_RTO.NIPS.NORWAPNOR_month_off_dac	NIPS.NORWAPNOR	Generator	Day Ahead Congestion + Energy	Off Peak	4 MW	
HKO	MISO_RTO	MISO_RTO.NIPS.OAKDAPOAK_month_on_dac	NIPS.OAKDAPOAK	Generator	Day Ahead Congestion + Energy	On Peak	6 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HKP	MISO RTO	MISO RTO.NIPS.OAKDAPOAK month off dac	NIPS.OAKDAPOAK	Generator	Day Ahead Congestion + Energy	Off Peak	6 MW	
GNG	MISO RTO	MISO RTO.NIPS.SCHAHP18 month on dac	NIPS.SCHAHP18	Generator	Day Ahead Congestion + Energy	On Peak	1,625 MW	
GNH	MISO RTO	MISO RTO.NIPS.SCHAHP18 month off dac	NIPS.SCHAHP18	Generator	Day Ahead Congestion + Energy	Off Peak	1,625 MW	
GPA	MISO RTO	MISO RTO.NSP.SHERCO1 month on dac	NSP.SHERCO1	Generator	Day Ahead Congestion + Energy	On Peak	1,440 MW	
GPB	MISO RTO	MISO RTO.NSP.SHERCO1 month off dac	NSP.SHERCO1	Generator	Day Ahead Congestion + Energy	Off Peak	1,440 MW	
GNW	MISO RTO	MISO RTO.SIGE.10ABBGN1 month on dac	SIGE.10ABBGN1	Generator	Day Ahead Congestion + Energy	On Peak	500 MW	
GNX	MISO RTO	MISO RTO.SIGE.10ABBGN1 month off dac	SIGE.10ABBGN1	Generator	Day Ahead Congestion + Energy	Off Peak	500 MW	
GVE	MISO RTO	MISO RTO.SIGE.FOWLR month on dac	SIGE.FOWLR	Generator	Day Ahead Congestion + Energy	On Peak	600 MW	
GVF	MISO RTO	MISO RTO.SIGE.FOWLR month off dac	SIGE.FOWLR	Generator	Day Ahead Congestion + Energy	Off Peak	600 MW	
GQS	MISO RTO	MISO RTO.SIPC.MARI69 month on dac	SIPC.MARI69	Generator	Day Ahead Congestion + Energy	On Peak	111 MW	
GQT	MISO RTO	MISO RTO.SIPC.MARI69 month off dac	SIPC.MARI69	Generator	Day Ahead Congestion + Energy	Off Peak	111 MW	
GVG	MISO RTO	MISO RTO.TVA.WHITEOAK month on dac	TVA.WHITEOAK	Generator	Day Ahead Congestion + Energy	On Peak	150 MW	
GVH	MISO RTO	MISO RTO.TVA.WHITEOAK month off dac	TVA.WHITEOAK	Generator	Day Ahead Congestion + Energy	Off Peak	150 MW	
GNC	MISO RTO	MISO RTO.WEC.OKCGC7 month on dac	WEC.OKCGC7	Generator	Day Ahead Congestion + Energy	On Peak	877 MW	
GND	MISO RTO	MISO RTO.WEC.OKCGC7 month off dac	WEC.OKCGC7	Generator	Day Ahead Congestion + Energy	Off Peak	877 MW	
GQW	MISO RTO	MISO RTO.WEC.PLEASA142 month on dac	WEC.PLEASA142	Generator	Day Ahead Congestion + Energy	On Peak	617 MW	
GOX	MISO RTO	MISO RTO.WEC.PLEASA142 month off dac	WEC.PLEASA142	Generator	Day Ahead Congestion + Energy	Off Peak	617 MW	
GNO	MISO RTO	MISO RTO.WEC.PLPRG41 month on dac	WEC.PLPRG41	Generator	Day Ahead Congestion + Energy	On Peak	617 MW	
GNP	MISO RTO	MISO RTO.WEC.PLPRG41 month off dac	WEC.PLPRG41	Generator	Day Ahead Congestion + Energy	Off Peak	617 MW	
GNQ	MISO RTO	MISO RTO.WEC.PTBHGB1 month on dac	WEC.PTBHGB1	Generator	Day Ahead Congestion + Energy	On Peak	1,182 MW	
GNR	MISO RTO	MISO RTO.WEC.PTBHGB1 month off dac	WEC.PTBHGB1	Generator	Day Ahead Congestion + Energy	Off Peak	1,182 MW	
GOG	MISO RTO	MISO RTO.WPS.COLUMBIA1 month on dac	WPS.COLUMBIA1	Generator	Day Ahead Congestion + Energy	On Peak	571 MW	
GOH	MISO RTO	MISO RTO.WPS.COLUMBIA1 month off dac	WPS.COLUMBIA1	Generator	Day Ahead Congestion + Energy	Off Peak	571 MW	
HHQ	NYISO	NYISO.59TH STREET GT 1 month on dac	59TH STREET GT 1	Generator	Day Ahead Congestion + Energy	On Peak	17 MW	
HHR	NYISO	NYISO.59TH STREET GT 1 month off dac	59TH STREET GT 1	Generator	Day Ahead Congestion + Energy	Off Peak	17 MW	
HHS	NYISO	NYISO.AMERICAN REF FUEL month on dac	AMERICAN REF FUEL	Generator	Day Ahead Congestion + Energy	On Peak	50 MW	
HHT	NYISO	NYISO.AMERICAN REF FUEL month off dac	AMERICAN REF FUEL	Generator	Day Ahead Congestion + Energy	Off Peak	50 MW	
HAI	NYISO	NYISO.ARTHUR KILL 2 month on dac	ARTHUR KILL 2	Generator	Day Ahead Congestion + Energy	On Peak	932 MW	
HAI	NYISO	NYISO.ARTHUR KILL 2 month off dac	ARTHUR KILL 2	Generator	Day Ahead Congestion + Energy	Off Peak	932 MW	
HAK	NYISO	NYISO.ARTHUR KILL 3 month on dac	ARTHUR KILL 3	Generator	Day Ahead Congestion + Energy	On Peak	932 MW	
HAL	NYISO	NYISO.ARTHUR KILL 3 month off dac	ARTHUR KILL 3	Generator	Day Ahead Congestion + Energy	Off Peak	932 MW	
HAO	NYISO	NYISO.ASTORIA EAST ENERGY CC1 month on dac	ASTORIA EAST ENERGY CC1	Generator	Day Ahead Congestion + Energy	On Peak	640 MW	
HAP	NYISO	NYISO.ASTORIA EAST ENERGY CC1 month off dac	ASTORIA EAST ENERGY CC1	Generator	Day Ahead Congestion + Energy	Off Peak	640 MW	
HAM	NYISO	NYISO.AST ENERGY 2 CC3 month on dac	AST ENERGY 2 CC3	Generator	Day Ahead Congestion + Energy	On Peak	617 MW	
HAN	NYISO	NYISO.AST ENERGY 2 CC3 month off dac	AST ENERGY 2 CC3	Generator	Day Ahead Congestion + Energy	Off Peak	617 MW	
HAQ	NYISO	NYISO.ATHENS STG 1 month on dac	ATHENS STG 1	Generator	Day Ahead Congestion + Energy	On Peak	1,323 MW	
HAR	NYISO	NYISO.ATHENS STG 1 month off dac	ATHENS STG 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,323 MW	
HAS	NYISO	NYISO.BARRETT 1 month on dac	BARRETT 1	Generator	Day Ahead Congestion + Energy	On Peak	376 MW	
HAT	NYISO	NYISO.BARRETT 1 month off dac	BARRETT 1	Generator	Day Ahead Congestion + Energy	Off Peak	376 MW	
HHU	NYISO	NYISO.BETHLEHEM GS3 month on dac	BETHLEHEM GS3	Generator	Day Ahead Congestion + Energy	On Peak	893 MW	
HHV	NYISO	NYISO.BETHLEHEM GS3 month off dac	BETHLEHEM GS3	Generator	Day Ahead Congestion + Energy	Off Peak	893 MW	
HAU	NYISO	NYISO.BLISS WT PWR month on dac	BLISS WT PWR	Generator	Day Ahead Congestion + Energy	On Peak	101 MW	
HAV	NYISO	NYISO.BLISS WT PWR month off dac	BLISS WT PWR	Generator	Day Ahead Congestion + Energy	Off Peak	101 MW	
HAW	NYISO	NYISO.BOWLINE 1 month on dac	BOWLINE 1	Generator	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HAX	NYISO	NYISO.BOWLINE 1 month off dac	BOWLINE 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
HAY	NYISO	NYISO.BROOKLYN NAVY YARD month on dac	BROOKLYN NAVY YARD	Generator	Day Ahead Congestion + Energy	On Peak	322 MW	
HAZ	NYISO	NYISO.BROOKLYN NAVY YARD month off dac	BROOKLYN NAVY YARD	Generator	Day Ahead Congestion + Energy	Off Peak	322 MW	
HBA	NYISO	NYISO.CAITHNESS CC 1 month on dac	CAITHNESS CC 1	Generator	Day Ahead Congestion + Energy	On Peak	349 MW	
HBB	NYISO	NYISO.CAITHNESS CC 1 month off dac	CAITHNESS CC 1	Generator	Day Ahead Congestion + Energy	Off Peak	349 MW	
HBC	NYISO	NYISO.CANDIGU WT PWR month on dac	CANDIGU WT PWR	Generator	Day Ahead Congestion + Energy	On Peak	125 MW	
HBD	NYISO	NYISO.CANDIGU WT PWR month off dac	CANDIGU WT PWR	Generator	Day Ahead Congestion + Energy	Off Peak	125 MW	
HBE	NYISO	NYISO.CARR STREET E, SYR month on dac	CARR STREET E, SYR	Generator	Day Ahead Congestion + Energy	On Peak	123 MW	
HBF	NYISO	NYISO.CARR STREET E, SYR month off dac	CARR STREET E, SYR	Generator	Day Ahead Congestion + Energy	Off Peak	123 MW	
HBM	NYISO	NYISO.CHATEAUG WT PWR month on dac	CHATEAUG WT PWR	Generator	Day Ahead Congestion + Energy	On Peak	107 MW	
HBN	NYISO	NYISO.CHATEAUG WT PWR month off dac	CHATEAUG WT PWR	Generator	Day Ahead Congestion + Energy	Off Peak	107 MW	
HBI	NYISO	NYISO.CH RES BVR FALLS month on dac	CH RES BVR FALLS	Generator	Day Ahead Congestion + Energy	On Peak	108 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HBJ	NYISO	NYISO.CH RES BVR FALLS month off dac	CH RES BVR FALLS	Generator	Day Ahead Congestion + Energy	Off Peak	108 MW	
HBK	NYISO	NYISO.CH RES SYRACUSE month on dac	CH RES SYRACUSE	Generator	Day Ahead Congestion + Energy	On Peak	103 MW	
HBL	NYISO	NYISO.CH RES SYRACUSE month off dac	CH RES SYRACUSE	Generator	Day Ahead Congestion + Energy	Off Peak	103 MW	
HHW	NYISO	NYISO.COXSACKIE GT month on dac	COXSACKIE GT	Generator	Day Ahead Congestion + Energy	On Peak	22 MW	
HHX	NYISO	NYISO.COXSACKIE GT month off dac	COXSACKIE GT	Generator	Day Ahead Congestion + Energy	Off Peak	22 MW	
HBO	NYISO	NYISO.DANSKAMMER 4 month on dac	DANSKAMMER 4	Generator	Day Ahead Congestion + Energy	On Peak	537 MW	
HBP	NYISO	NYISO.DANSKAMMER 4 month off dac	DANSKAMMER 4	Generator	Day Ahead Congestion + Energy	Off Peak	537 MW	
HBO	NYISO	NYISO.DUNKIRK 1 month on dac	DUNKIRK 1	Generator	Day Ahead Congestion + Energy	On Peak	627 MW	
HBR	NYISO	NYISO.DUNKIRK 1 month off dac	DUNKIRK 1	Generator	Day Ahead Congestion + Energy	Off Peak	627 MW	
HBW	NYISO	NYISO.EAST RIVER 7 month on dac	EAST RIVER 7	Generator	Day Ahead Congestion + Energy	On Peak	716 MW	
HBX	NYISO	NYISO.EAST RIVER 7 month off dac	EAST RIVER 7	Generator	Day Ahead Congestion + Energy	Off Peak	716 MW	
HBZ	NYISO	NYISO.EMPIRE CC 1 month on dac	EMPIRE CC 1	Generator	Day Ahead Congestion + Energy	On Peak	670 MW	
HBZ	NYISO	NYISO.EMPIRE CC 1 month off dac	EMPIRE CC 1	Generator	Day Ahead Congestion + Energy	Off Peak	670 MW	
HHY	NYISO	NYISO.E CANADA CAP HY month on dac	E CANADA CAP HY	Generator	Day Ahead Congestion + Energy	On Peak	25 MW	
HHZ	NYISO	NYISO.E CANADA CAP HY month off dac	E CANADA CAP HY	Generator	Day Ahead Congestion + Energy	Off Peak	25 MW	
HCA	NYISO	NYISO.FAR ROCKAWAY 4 month on dac	FAR ROCKAWAY 4	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HCB	NYISO	NYISO.FAR ROCKAWAY 4 month off dac	FAR ROCKAWAY 4	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HCC	NYISO	NYISO.FITZPATRICK month on dac	FITZPATRICK	Generator	Day Ahead Congestion + Energy	On Peak	882 MW	
HCD	NYISO	NYISO.FITZPATRICK month off dac	FITZPATRICK	Generator	Day Ahead Congestion + Energy	Off Peak	882 MW	
HIA	NYISO	NYISO.FORT ORANGE month on dac	FORT ORANGE	Generator	Day Ahead Congestion + Energy	On Peak	72 MW	
HIB	NYISO	NYISO.FORT ORANGE month off dac	FORT ORANGE	Generator	Day Ahead Congestion + Energy	Off Peak	72 MW	
HIC	NYISO	NYISO.FORT DRUM COGEN month on dac	FORT DRUM COGEN	Generator	Day Ahead Congestion + Energy	On Peak	58 MW	
HID	NYISO	NYISO.FORT DRUM COGEN month off dac	FORT DRUM COGEN	Generator	Day Ahead Congestion + Energy	Off Peak	58 MW	
HCG	NYISO	NYISO.GILBOA 1 month on dac	GILBOA 1	Generator	Day Ahead Congestion + Energy	On Peak	1,000 MW	
HCH	NYISO	NYISO.GILBOA 1 month off dac	GILBOA 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,000 MW	
HCI	NYISO	NYISO.GINNA month on dac	GINNA	Generator	Day Ahead Congestion + Energy	On Peak	614 MW	
HCI	NYISO	NYISO.GINNA month off dac	GINNA	Generator	Day Ahead Congestion + Energy	Off Peak	614 MW	
HCK	NYISO	NYISO.GLENWOOD 4 month on dac	GLENWOOD 4	Generator	Day Ahead Congestion + Energy	On Peak	338 MW	
HCL	NYISO	NYISO.GLENWOOD 4 month off dac	GLENWOOD 4	Generator	Day Ahead Congestion + Energy	Off Peak	338 MW	
HCM	NYISO	NYISO.GLOBAL GREEN PORT GT1 month on dac	GLOBAL GREEN PORT GT1	Generator	Day Ahead Congestion + Energy	On Peak	54 MW	
HCN	NYISO	NYISO.GLOBAL GREEN PORT GT1 month off dac	GLOBAL GREEN PORT GT1	Generator	Day Ahead Congestion + Energy	Off Peak	54 MW	
HCO	NYISO	NYISO.HISHELDN WT PWR month on dac	HISHELDN WT PWR	Generator	Day Ahead Congestion + Energy	On Peak	113 MW	
HCP	NYISO	NYISO.HISHELDN WT PWR month off dac	HISHELDN WT PWR	Generator	Day Ahead Congestion + Energy	Off Peak	113 MW	
HIE	NYISO	NYISO.HUDSON AVE GT 4 month on dac	HUDSON AVE GT 4	Generator	Day Ahead Congestion + Energy	On Peak	49 MW	
HIF	NYISO	NYISO.HUDSON AVE GT 4 month off dac	HUDSON AVE GT 4	Generator	Day Ahead Congestion + Energy	Off Peak	49 MW	
HCW	NYISO	NYISO.HUNTLEY 67 month on dac	HUNTLEY 67	Generator	Day Ahead Congestion + Energy	On Peak	436 MW	
HGX	NYISO	NYISO.HUNTLEY 67 month off dac	HUNTLEY 67	Generator	Day Ahead Congestion + Energy	Off Peak	436 MW	
HCY	NYISO	NYISO.INDECK CORINTH month on dac	INDECK CORINTH	Generator	Day Ahead Congestion + Energy	On Peak	147 MW	
HCZ	NYISO	NYISO.INDECK CORINTH month off dac	INDECK CORINTH	Generator	Day Ahead Congestion + Energy	Off Peak	147 MW	
HIG	NYISO	NYISO.INDECK OLEAN month on dac	INDECK OLEAN	Generator	Day Ahead Congestion + Energy	On Peak	91 MW	
HIH	NYISO	NYISO.INDECK OLEAN month off dac	INDECK OLEAN	Generator	Day Ahead Congestion + Energy	Off Peak	91 MW	
HII	NYISO	NYISO.INDIAN POINT GT 2 month on dac	INDIAN POINT GT 2	Generator	Day Ahead Congestion + Energy	On Peak	1,299 MW	
HII	NYISO	NYISO.INDIAN POINT GT 2 month off dac	INDIAN POINT GT 2	Generator	Day Ahead Congestion + Energy	Off Peak	1,299 MW	
HDA	NYISO	NYISO.INDIAN POINT 2 month on dac	INDIAN POINT 2	Generator	Day Ahead Congestion + Energy	On Peak	1,299 MW	
HDB	NYISO	NYISO.INDIAN POINT 2 month off dac	INDIAN POINT 2	Generator	Day Ahead Congestion + Energy	Off Peak	1,299 MW	
HDC	NYISO	NYISO.KIAC JFK GT2 month on dac	KIAC JFK GT2	Generator	Day Ahead Congestion + Energy	On Peak	121 MW	
HDD	NYISO	NYISO.KIAC JFK GT2 month off dac	KIAC JFK GT2	Generator	Day Ahead Congestion + Energy	Off Peak	121 MW	
HDE	NYISO	NYISO.KINTIGH month on dac	KINTIGH	Generator	Day Ahead Congestion + Energy	On Peak	655 MW	
HDF	NYISO	NYISO.KINTIGH month off dac	KINTIGH	Generator	Day Ahead Congestion + Energy	Off Peak	655 MW	
HDG	NYISO	NYISO.LINDEN COGEN month on dac	LINDEN COGEN	Generator	Day Ahead Congestion + Energy	On Peak	1,035 MW	
HDH	NYISO	NYISO.LINDEN COGEN month off dac	LINDEN COGEN	Generator	Day Ahead Congestion + Energy	Off Peak	1,035 MW	
HDK	NYISO	NYISO.MAPLE RIDGE WT 1 month on dac	MAPLE RIDGE WT 1	Generator	Day Ahead Congestion + Energy	On Peak	322 MW	
HDL	NYISO	NYISO.MAPLE RIDGE WT 1 month off dac	MAPLE RIDGE WT 1	Generator	Day Ahead Congestion + Energy	Off Peak	322 MW	
HGU	NYISO	NYISO.MARBLE RIVER WT PWR month on dac	MARBLE RIVER WT PWR	Generator	Day Ahead Congestion + Energy	On Peak	216 MW	
HGV	NYISO	NYISO.MARBLE RIVER WT PWR month off dac	MARBLE RIVER WT PWR	Generator	Day Ahead Congestion + Energy	Off Peak	216 MW	
HDO	NYISO	NYISO.MILLIKEN 2 month on dac	MILLIKEN 2	Generator	Day Ahead Congestion + Energy	On Peak	328 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HDP	NYISO	NYISO.MILLIKEN 2 month off dac	MILLIKEN 2	Generator	Day Ahead Congestion + Energy	Off Peak	328 MW	
HIK	NYISO	NYISO.MILLSEAT LFGE month on dac	MILLSEAT LFGE	Generator	Day Ahead Congestion + Energy	On Peak	6 MW	
HIL	NYISO	NYISO.MILLSEAT LFGE month off dac	MILLSEAT LFGE	Generator	Day Ahead Congestion + Energy	Off Peak	6 MW	
HDW	NYISO	NYISO.NARROWS GT1 6 month on dac	NARROWS GT1 6	Generator	Day Ahead Congestion + Energy	On Peak	352 MW	
HDX	NYISO	NYISO.NARROWS GT1 6 month off dac	NARROWS GT1 6	Generator	Day Ahead Congestion + Energy	Off Peak	352 MW	
HDY	NYISO	NYISO.NEG NORTH FLCN SEA month on dac	NEG NORTH FLCN SEA	Generator	Day Ahead Congestion + Energy	On Peak	286 MW	
HDZ	NYISO	NYISO.NEG NORTH FLCN SEA month off dac	NEG NORTH FLCN SEA	Generator	Day Ahead Congestion + Energy	Off Peak	286 MW	
HEA	NYISO	NYISO.NEG WEST LEA LOCKPORT month on dac	NEG WEST LEA LOCKPORT	Generator	Day Ahead Congestion + Energy	On Peak	221 MW	
HEB	NYISO	NYISO.NEG WEST LEA LOCKPORT month off dac	NEG WEST LEA LOCKPORT	Generator	Day Ahead Congestion + Energy	Off Peak	221 MW	
HEC	NYISO	NYISO.NEVERSINK HYD month on dac	NEVERSINK HYD	Generator	Day Ahead Congestion + Energy	On Peak	25 MW	
HED	NYISO	NYISO.NEVERSINK HYD month off dac	NEVERSINK HYD	Generator	Day Ahead Congestion + Energy	Off Peak	25 MW	
HEE	NYISO	NYISO.NIAGARA month on dac	NIAGARA	Generator	Day Ahead Congestion + Energy	On Peak	2,429 MW	
HEF	NYISO	NYISO.NIAGARA month off dac	NIAGARA	Generator	Day Ahead Congestion + Energy	Off Peak	2,429 MW	
HEG	NYISO	NYISO.NINE MILE 1 month on dac	NINE MILE 1	Generator	Day Ahead Congestion + Energy	On Peak	1,901 MW	
HEH	NYISO	NYISO.NINE MILE 1 month off dac	NINE MILE 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,901 MW	
HEK	NYISO	NYISO.NORTHPORT 1 month on dac	NORTHPORT 1	Generator	Day Ahead Congestion + Energy	On Peak	1,564 MW	
HEL	NYISO	NYISO.NORTHPORT 1 month off dac	NORTHPORT 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,564 MW	
HEM	NYISO	NYISO.NORTHPORT 3 month on dac	NORTHPORT 3	Generator	Day Ahead Congestion + Energy	On Peak	1,564 MW	
HEN	NYISO	NYISO.NORTHPORT 3 month off dac	NORTHPORT 3	Generator	Day Ahead Congestion + Energy	Off Peak	1,564 MW	
HEU	NYISO	NYISO.NYPA BRENTWD GT month on dac	NYPA BRENTWD GT	Generator	Day Ahead Congestion + Energy	On Peak	50 MW	
HEV	NYISO	NYISO.NYPA BRENTWD GT month off dac	NYPA BRENTWD GT	Generator	Day Ahead Congestion + Energy	Off Peak	50 MW	
HEW	NYISO	NYISO.NYPA GOWANUS GT5 month on dac	NYPA GOWANUS GT5	Generator	Day Ahead Congestion + Energy	On Peak	640 MW	
HEX	NYISO	NYISO.NYPA GOWANUS GT5 month off dac	NYPA GOWANUS GT5	Generator	Day Ahead Congestion + Energy	Off Peak	640 MW	
HIO	NYISO	NYISO.NYPA HARLEM RVR GT2 month on dac	NYPA HARLEM RVR GT2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HIP	NYISO	NYISO.NYPA HARLEM RVR GT2 month off dac	NYPA HARLEM RVR GT2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HEY	NYISO	NYISO.NYPA POUCH1 GT month on dac	NYPA POUCH1 GT	Generator	Day Ahead Congestion + Energy	On Peak	50 MW	
HEZ	NYISO	NYISO.NYPA POUCH1 GT month off dac	NYPA POUCH1 GT	Generator	Day Ahead Congestion + Energy	Off Peak	50 MW	
HFA	NYISO	NYISO.NYPA VERNON GT2 month on dac	NYPA VERNON GT2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HFB	NYISO	NYISO.NYPA VERNON GT2 month off dac	NYPA VERNON GT2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HEQ	NYISO	NYISO.NYPA ASTORIA CC1 month on dac	NYPA ASTORIA CC1	Generator	Day Ahead Congestion + Energy	On Peak	520 MW	
HER	NYISO	NYISO.NYPA ASTORIA CC1 month off dac	NYPA ASTORIA CC1	Generator	Day Ahead Congestion + Energy	Off Peak	520 MW	
HES	NYISO	NYISO.NYPA HOLTSVILL month on dac	NYPA HOLTSVILL	Generator	Day Ahead Congestion + Energy	On Peak	567 MW	
HET	NYISO	NYISO.NYPA HOLTSVILL month off dac	NYPA HOLTSVILL	Generator	Day Ahead Congestion + Energy	Off Peak	567 MW	
HIM	NYISO	NYISO.NYPA HELLGATE GT2 month on dac	NYPA HELLGATE GT2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HIN	NYISO	NYISO.NYPA HELLGATE GT2 month off dac	NYPA HELLGATE GT2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HFE	NYISO	NYISO.OSWEGO 5 month on dac	OSWEGO 5	Generator	Day Ahead Congestion + Energy	On Peak	1,804 MW	
HFF	NYISO	NYISO.OSWEGO 5 month off dac	OSWEGO 5	Generator	Day Ahead Congestion + Energy	Off Peak	1,804 MW	
HFG	NYISO	NYISO.PINELAWN CC 1 month on dac	PINELAWN CC 1	Generator	Day Ahead Congestion + Energy	On Peak	82 MW	
HFH	NYISO	NYISO.PINELAWN CC 1 month off dac	PINELAWN CC 1	Generator	Day Ahead Congestion + Energy	Off Peak	82 MW	
HFM	NYISO	NYISO.PORT JEFF 3 month on dac	PORT JEFF 3	Generator	Day Ahead Congestion + Energy	On Peak	498 MW	
HFN	NYISO	NYISO.PORT JEFF 3 month off dac	PORT JEFF 3	Generator	Day Ahead Congestion + Energy	Off Peak	498 MW	
HFO	NYISO	NYISO.RAVENSWOOD 1 month on dac	RAVENSWOOD 1	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFP	NYISO	NYISO.RAVENSWOOD 1 month off dac	RAVENSWOOD 1	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFQ	NYISO	NYISO.RAVENSWOOD 2 month on dac	RAVENSWOOD 2	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFR	NYISO	NYISO.RAVENSWOOD 2 month off dac	RAVENSWOOD 2	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFS	NYISO	NYISO.RAVENSWOOD 3 month on dac	RAVENSWOOD 3	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFT	NYISO	NYISO.RAVENSWOOD 3 month off dac	RAVENSWOOD 3	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFU	NYISO	NYISO.RAVENSWOOD 4 month on dac	RAVENSWOOD 4	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFV	NYISO	NYISO.RAVENSWOOD 4 month off dac	RAVENSWOOD 4	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFW	NYISO	NYISO.RENSSELAER COGEN month on dac	RENSSELAER COGEN	Generator	Day Ahead Congestion + Energy	On Peak	104 MW	
HFY	NYISO	NYISO.RENSSELAER COGEN month off dac	RENSSELAER COGEN	Generator	Day Ahead Congestion + Energy	Off Peak	104 MW	
HFZ	NYISO	NYISO.ROSETON 1 month on dac	ROSETON 1	Generator	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HGA	NYISO	NYISO.ROSETON 1 month off dac	ROSETON 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
HGA	NYISO	NYISO.SELKIRK 1 month on dac	SELKIRK 1	Generator	Day Ahead Congestion + Energy	On Peak	446 MW	
HGB	NYISO	NYISO.SELKIRK 1 month off dac	SELKIRK 1	Generator	Day Ahead Congestion + Energy	Off Peak	446 MW	
HGC	NYISO	NYISO.SITHE INDEPEND month on dac	SITHE INDEPEND	Generator	Day Ahead Congestion + Energy	On Peak	1,086 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HGD	NYISO	NYISO.SITHE INDEPEND month off dac	SITHE INDEPEND	Generator	Day Ahead Congestion + Energy	Off Peak	1,086 MW	
HGE	NYISO	NYISO.SITHE MASSENA month on dac	SITHE MASSENA	Generator	Day Ahead Congestion + Energy	On Peak	102 MW	
HGF	NYISO	NYISO.SITHE MASSENA month off dac	SITHE MASSENA	Generator	Day Ahead Congestion + Energy	Off Peak	102 MW	
HGG	NYISO	NYISO.ST LAWRENCE month on dac	ST LAWRENCE	Generator	Day Ahead Congestion + Energy	On Peak	1,088 MW	
HGH	NYISO	NYISO.ST LAWRENCE month off dac	ST LAWRENCE	Generator	Day Ahead Congestion + Energy	Off Peak	1,088 MW	
HIQ	NYISO	NYISO.STATION 5 MISC HYD month on dac	STATION 5 MISC HYD	Generator	Day Ahead Congestion + Energy	On Peak	72 MW	
HIR	NYISO	NYISO.STATION 5 MISC HYD month off dac	STATION 5 MISC HYD	Generator	Day Ahead Congestion + Energy	Off Peak	72 MW	
HGI	NYISO	NYISO.STEEL WIND month on dac	STEEL WIND	Generator	Day Ahead Congestion + Energy	On Peak	20 MW	
HGJ	NYISO	NYISO.STEEL WIND month off dac	STEEL WIND	Generator	Day Ahead Congestion + Energy	Off Peak	20 MW	
HGK	NYISO	NYISO.UPPER RAQUET HYD month on dac	UPPER RAQUET HYD	Generator	Day Ahead Congestion + Energy	On Peak	101 MW	
HGL	NYISO	NYISO.UPPER RAQUET HYD month off dac	UPPER RAQUET HYD	Generator	Day Ahead Congestion + Energy	Off Peak	101 MW	
HGM	NYISO	NYISO.WADING RIVER IC 1 month on dac	WADING RIVER IC 1	Generator	Day Ahead Congestion + Energy	On Peak	239 MW	
HGN	NYISO	NYISO.WADING RIVER IC 1 month off dac	WADING RIVER IC 1	Generator	Day Ahead Congestion + Energy	Off Peak	239 MW	
HGQ	NYISO	NYISO.WEST BABYLON IC month on dac	WEST BABYLON IC	Generator	Day Ahead Congestion + Energy	On Peak	52 MW	
HGR	NYISO	NYISO.WEST BABYLON IC month off dac	WEST BABYLON IC	Generator	Day Ahead Congestion + Energy	Off Peak	52 MW	
HGS	NYISO	NYISO.WETHRSFD WT PWR month on dac	WETHRSFD WT PWR	Generator	Day Ahead Congestion + Energy	On Peak	126 MW	
HGT	NYISO	NYISO.WETHRSFD WT PWR month off dac	WETHRSFD WT PWR	Generator	Day Ahead Congestion + Energy	Off Peak	126 MW	
GGG	PJM	PJM.1 LASALL24 KVLA-2 month on dac	1 LASALL24 KVLA-2	Generator	Day Ahead Congestion + Energy	On Peak	2,340 MW	
GGT	PJM	PJM.1 LASALL24 KVLA-2 month off dac	1 LASALL24 KVLA-2	Generator	Day Ahead Congestion + Energy	Off Peak	2,340 MW	
HIW	PJM	PJM.196 KATY34.5 KVTCROPWF month on dac	196 KATY34.5 KVTCROPWF	Generator	Day Ahead Congestion + Energy	On Peak	300 MW	
HIX	PJM	PJM.196 KATY34.5 KVTCROPWF month off dac	196 KATY34.5 KVTCROPWF	Generator	Day Ahead Congestion + Energy	Off Peak	300 MW	
GGU	PJM	PJM.20 BRAID24 KVBR-2 month on dac	20 BRAID24 KVBR-2	Generator	Day Ahead Congestion + Energy	On Peak	2,450 MW	
GGV	PJM	PJM.20 BRAID24 KVBR-2 month off dac	20 BRAID24 KVBR-2	Generator	Day Ahead Congestion + Energy	Off Peak	2,450 MW	
GJU	PJM	PJM.4 QUAD C18 KVQC-1 month on dac	4 QUAD C18 KVQC-1	Generator	Day Ahead Congestion + Energy	On Peak	2,019 MW	
GJV	PJM	PJM.4 QUAD C18 KVQC-1 month off dac	4 QUAD C18 KVQC-1	Generator	Day Ahead Congestion + Energy	Off Peak	2,019 MW	
GCY	PJM	PJM.6 BYRON25 KVBY-1 month on dac	6 BYRON25 KVBY-1	Generator	Day Ahead Congestion + Energy	On Peak	2,450 MW	
GCZ	PJM	PJM.6 BYRON25 KVBY-1 month off dac	6 BYRON25 KVBY-1	Generator	Day Ahead Congestion + Energy	Off Peak	2,450 MW	
GJW	PJM	PJM.6 BYRON25 KVBY-2 month on dac	6 BYRON25 KVBY-2	Generator	Day Ahead Congestion + Energy	On Peak	2,450 MW	
GJX	PJM	PJM.6 BYRON25 KVBY-2 month off dac	6 BYRON25 KVBY-2	Generator	Day Ahead Congestion + Energy	Off Peak	2,450 MW	
HIY	PJM	PJM.989 TWIN34.5 KVHTRAILWF month on dac	989 TWIN34.5 KVHTRAILWF	Generator	Day Ahead Congestion + Energy	On Peak	198 MW	
HIZ	PJM	PJM.989 TWIN34.5 KVHTRAILWF month off dac	989 TWIN34.5 KVHTRAILWF	Generator	Day Ahead Congestion + Energy	Off Peak	198 MW	
GGW	PJM	PJM.AMOS26 KVAM2 month on dac	AMOS26 KVAM2	Generator	Day Ahead Congestion + Energy	On Peak	2,933 MW	
GGX	PJM	PJM.AMOS26 KVAM2 month off dac	AMOS26 KVAM2	Generator	Day Ahead Congestion + Energy	Off Peak	2,933 MW	
GDG	PJM	PJM.AMOS26 KVAM3 month on dac	AMOS26 KVAM3	Generator	Day Ahead Congestion + Energy	On Peak	2,933 MW	
GDH	PJM	PJM.AMOS26 KVAM3 month off dac	AMOS26 KVAM3	Generator	Day Ahead Congestion + Energy	Off Peak	2,933 MW	
GJY	PJM	PJM.AVONLAK214 KVUN7 month on dac	AVONLAK214 KVUN7	Generator	Day Ahead Congestion + Energy	On Peak	795 MW	
GJZ	PJM	PJM.AVONLAK214 KVUN7 month off dac	AVONLAK214 KVUN7	Generator	Day Ahead Congestion + Energy	Off Peak	795 MW	
HTK	PJM	PJM.AVONLAK220 KVUN9 month on dac	AVONLAK220 KVUN9	Generator	Day Ahead Congestion + Energy	On Peak	795 MW	
HTL	PJM	PJM.AVONLAK220 KVUN9 month off dac	AVONLAK220 KVUN9	Generator	Day Ahead Congestion + Energy	Off Peak	795 MW	
GKA	PJM	PJM.BATHCO20 KVGM1 month on dac	BATHCO20 KVGM1	Generator	Day Ahead Congestion + Energy	On Peak	2,862 MW	
GKB	PJM	PJM.BATHCO20 KVGM1 month off dac	BATHCO20 KVGM1	Generator	Day Ahead Congestion + Energy	Off Peak	2,862 MW	
GDM	PJM	PJM.BEAV DUQ22 KVUNIT1 month on dac	BEAV DUQ22 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	1,847 MW	
GDN	PJM	PJM.BEAV DUQ22 KVUNIT1 month off dac	BEAV DUQ22 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	1,847 MW	
GKC	PJM	PJM.BEAVER13.2 KVWL-A month on dac	BEAVER13.2 KVWL-A	Generator	Day Ahead Congestion + Energy	On Peak	149 MW	
GKD	PJM	PJM.BEAVER13.2 KVWL-A month off dac	BEAVER13.2 KVWL-A	Generator	Day Ahead Congestion + Energy	Off Peak	149 MW	
GGY	PJM	PJM.BRANDONS24 KVGEN 01 month on dac	BRANDONS24 KVGEN 01	Generator	Day Ahead Congestion + Energy	On Peak	1,370 MW	
GGZ	PJM	PJM.BRANDONS24 KVGEN 01 month off dac	BRANDONS24 KVGEN 01	Generator	Day Ahead Congestion + Energy	Off Peak	1,370 MW	
GDQ	PJM	PJM.BRUNNERI24 KVUNIT03 month on dac	BRUNNERI24 KVUNIT03	Generator	Day Ahead Congestion + Energy	On Peak	1,567 MW	
GDR	PJM	PJM.BRUNNERI24 KVUNIT03 month off dac	BRUNNERI24 KVUNIT03	Generator	Day Ahead Congestion + Energy	Off Peak	1,567 MW	
GDU	PJM	PJM.CALVERTC22 KVGEN 02 month on dac	CALVERTC22 KVGEN 02	Generator	Day Ahead Congestion + Energy	On Peak	1,829 MW	
GDV	PJM	PJM.CALVERTC22 KVGEN 02 month off dac	CALVERTC22 KVGEN 02	Generator	Day Ahead Congestion + Energy	Off Peak	1,829 MW	
GDW	PJM	PJM.CALVERTC25 KVGEN 01 month on dac	CALVERTC25 KVGEN 01	Generator	Day Ahead Congestion + Energy	On Peak	1,829 MW	
GDX	PJM	PJM.CALVERTC25 KVGEN 01 month off dac	CALVERTC25 KVGEN 01	Generator	Day Ahead Congestion + Energy	Off Peak	1,829 MW	
HTM	PJM	PJM.CHALKPT20 KVCHLKG1 month on dac	CHALKPT20 KVCHLKG1	Generator	Day Ahead Congestion + Energy	On Peak	2,647 MW	
HTN	PJM	PJM.CHALKPT20 KVCHLKG1 month off dac	CHALKPT20 KVCHLKG1	Generator	Day Ahead Congestion + Energy	Off Peak	2,647 MW	
GHA	PJM	PJM.CHESWICK24 KVUNIT1 month on dac	CHESWICK24 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	637 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GHB	PJM	PJM.CHESWICK24 KVUNIT1 month off dac	CHESWICK24 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	637 MW	
GDY	PJM	PJM.CLOVER25 KVG2 month on dac	CLOVER25 KVG2	Generator	Day Ahead Congestion + Energy	On Peak	848 MW	
GDZ	PJM	PJM.CLOVER25 KVG2 month off dac	CLOVER25 KVG2	Generator	Day Ahead Congestion + Energy	Off Peak	848 MW	
GEC	PJM	PJM.CONEMAUG22 KVUNIT 1 month on dac	CONEMAUG22 KVUNIT 1	Generator	Day Ahead Congestion + Energy	On Peak	1,883 MW	
GED	PJM	PJM.CONEMAUG22 KVUNIT 1 month off dac	CONEMAUG22 KVUNIT 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,883 MW	
GHC	PJM	PJM.CONOWING13 KVGEN1 month on dac	CONOWING13 KVGEN1	Generator	Day Ahead Congestion + Energy	On Peak	507 MW	
GHD	PJM	PJM.CONOWING13 KVGEN1 month off dac	CONOWING13 KVGEN1	Generator	Day Ahead Congestion + Energy	Off Peak	507 MW	
GHE	PJM	PJM.COOK26 KVCK1 month on dac	COOK26 KVCK1	Generator	Day Ahead Congestion + Energy	On Peak	2,285 MW	
GHF	PJM	PJM.COOK26 KVCK1 month off dac	COOK26 KVCK1	Generator	Day Ahead Congestion + Energy	Off Peak	2,285 MW	
GHG	PJM	PJM.COOK26 KVCK2 month on dac	COOK26 KVCK2	Generator	Day Ahead Congestion + Energy	On Peak	2,285 MW	
GHH	PJM	PJM.COOK26 KVCK2 month off dac	COOK26 KVCK2	Generator	Day Ahead Congestion + Energy	Off Peak	2,285 MW	
HJK	PJM	PJM.DAVISBES25 KVDB10 month on dac	DAVISBES25 KVDB10	Generator	Day Ahead Congestion + Energy	On Peak	925 MW	
HJL	PJM	PJM.DAVISBES25 KVDB10 month off dac	DAVISBES25 KVDB10	Generator	Day Ahead Congestion + Energy	Off Peak	925 MW	
HTO	PJM	PJM.DICKERSO13 KVSTADG1 month on dac	DICKERSO13 KVSTADG1	Generator	Day Ahead Congestion + Energy	On Peak	930 MW	
HTP	PJM	PJM.DICKERSO13 KVSTADG1 month off dac	DICKERSO13 KVSTADG1	Generator	Day Ahead Congestion + Energy	Off Peak	930 MW	
GHK	PJM	PJM.DRESDEN18 KVSTM1 month on dac	DRESDEN18 KVSTM1	Generator	Day Ahead Congestion + Energy	On Peak	580 MW	
GHL	PJM	PJM.DRESDEN18 KVSTM1 month off dac	DRESDEN18 KVSTM1	Generator	Day Ahead Congestion + Energy	Off Peak	580 MW	
GKE	PJM	PJM.EASTLAKE24 KVUN5 month on dac	EASTLAKE24 KVUN5	Generator	Day Ahead Congestion + Energy	On Peak	1,289 MW	
GKF	PJM	PJM.EASTLAKE24 KVUN5 month off dac	EASTLAKE24 KVUN5	Generator	Day Ahead Congestion + Energy	Off Peak	1,289 MW	
HQY	PJM	PJM.EBEND20 KVEB2 month on dac	EBEND20 KVEB2	Generator	Day Ahead Congestion + Energy	On Peak	669 MW	
HQZ	PJM	PJM.EBEND20 KVEB2 month off dac	EBEND20 KVEB2	Generator	Day Ahead Congestion + Energy	Off Peak	669 MW	
HQW	PJM	PJM.EBEND20 KVEB2 month on dap	EBEND20 KVEB2	Generator	Day Ahead Power	On Peak	669 MW	
HQX	PJM	PJM.EBEND20 KVEB2 month off dap	EBEND20 KVEB2	Generator	Day Ahead Power	Off Peak	669 MW	
EBO	PJM	PJM.EDGEMOOR13 KVHAYRD4 month on dap	EDGEMOOR13 KVHAYRD4	Generator	Day Ahead Power	On Peak	710 MW	
EBP	PJM	PJM.EDGEMOOR13 KVHAYRD4 month off dap	EDGEMOOR13 KVHAYRD4	Generator	Day Ahead Power	Off Peak	710 MW	
EBQ	PJM	PJM.EDGEMOOR18 KVHAYRD8 month on dap	EDGEMOOR18 KVHAYRD8	Generator	Day Ahead Power	On Peak	710 MW	
EBR	PJM	PJM.EDGEMOOR18 KVHAYRD8 month off dap	EDGEMOOR18 KVHAYRD8	Generator	Day Ahead Power	Off Peak	710 MW	
GHQ	PJM	PJM.FOWLER34.5 KVFWLR1AWF month on dac	FOWLER34.5 KVFWLR1AWF	Generator	Day Ahead Congestion + Energy	On Peak	600 MW	
GHR	PJM	PJM.FOWLER34.5 KVFWLR1AWF month off dac	FOWLER34.5 KVFWLR1AWF	Generator	Day Ahead Congestion + Energy	Off Peak	600 MW	
HIS	PJM	PJM.FRACKVIL69 KVGLBNUG month on dac	FRACKVIL69 KVGLBNUG	Generator	Day Ahead Congestion + Energy	On Peak	88 MW	
HIT	PJM	PJM.FRACKVIL69 KVGLBNUG month off dac	FRACKVIL69 KVGLBNUG	Generator	Day Ahead Congestion + Energy	Off Peak	88 MW	
GTI	PJM	PJM.FREMONT18 KVFT1 month on dac	FREMONT18 KVFT1	Generator	Day Ahead Congestion + Energy	On Peak	685 MW	
GTJ	PJM	PJM.FREMONT18 KVFT1 month off dac	FREMONT18 KVFT1	Generator	Day Ahead Congestion + Energy	Off Peak	685 MW	
GXI	PJM	PJM.FTMARTIN22 KVGEN 1 month on dac	FTMARTIN22 KVGEN 1	Generator	Day Ahead Congestion + Energy	On Peak	1,152 MW	
GXJ	PJM	PJM.FTMARTIN22 KVGEN 1 month off dac	FTMARTIN22 KVGEN 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,152 MW	
GXX	PJM	PJM.GUILFORD138 KVGEN12 month on dac	GUILFORD138 KVGEN12	Generator	Day Ahead Congestion + Energy	On Peak	88 MW	
GXL	PJM	PJM.GUILFORD138 KVGEN12 month off dac	GUILFORD138 KVGEN12	Generator	Day Ahead Congestion + Energy	Off Peak	88 MW	
GXC	PJM	PJM.HARR APS20 KVGEN 1 month on dac	HARR APS20 KVGEN 1	Generator	Day Ahead Congestion + Energy	On Peak	2,052 MW	
GXD	PJM	PJM.HARR APS20 KVGEN 1 month off dac	HARR APS20 KVGEN 1	Generator	Day Ahead Congestion + Energy	Off Peak	2,052 MW	
GVU	PJM	PJM.HARR APS20 KVGEN 1 month on dap	HARR APS20 KVGEN 1	Generator	Day Ahead Power	On Peak	2,052 MW	
GVV	PJM	PJM.HARR APS20 KVGEN 1 month off dap	HARR APS20 KVGEN 1	Generator	Day Ahead Power	Off Peak	2,052 MW	
GXE	PJM	PJM.HARR APS20 KVGEN 2 month on dac	HARR APS20 KVGEN 2	Generator	Day Ahead Congestion + Energy	On Peak	2,052 MW	
GXF	PJM	PJM.HARR APS20 KVGEN 2 month off dac	HARR APS20 KVGEN 2	Generator	Day Ahead Congestion + Energy	Off Peak	2,052 MW	
GXA	PJM	PJM.HATFIELD18 KVGEN 1 month on dac	HATFIELD18 KVGEN 1	Generator	Day Ahead Congestion + Energy	On Peak	1,728 MW	
GXB	PJM	PJM.HATFIELD18 KVGEN 1 month off dac	HATFIELD18 KVGEN 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,728 MW	
EHK	PJM	PJM.HATFIELD18 KVGEN 1 month on dap	HATFIELD18 KVGEN 1	Generator	Day Ahead Power	On Peak	1,728 MW	
EHL	PJM	PJM.HATFIELD18 KVGEN 1 month off dap	HATFIELD18 KVGEN 1	Generator	Day Ahead Power	Off Peak	1,728 MW	
GTK	PJM	PJM.HOMERCIT24 KVUNIT 3 month on dac	HOMERCIT24 KVUNIT 3	Generator	Day Ahead Congestion + Energy	On Peak	2,012 MW	
GTL	PJM	PJM.HOMERCIT24 KVUNIT 3 month off dac	HOMERCIT24 KVUNIT 3	Generator	Day Ahead Congestion + Energy	Off Peak	2,012 MW	
HTS	PJM	PJM.HUNTERST22 KVST401 month on dac	HUNTERST22 KVST401	Generator	Day Ahead Congestion + Energy	On Peak	958 MW	
HTT	PJM	PJM.HUNTERST22 KVST401 month off dac	HUNTERST22 KVST401	Generator	Day Ahead Congestion + Energy	Off Peak	958 MW	
GES	PJM	PJM.INDIANRI26 KVUNIT04 month on dac	INDIANRI26 KVUNIT04	Generator	Day Ahead Congestion + Energy	On Peak	800 MW	
GET	PJM	PJM.INDIANRI26 KVUNIT04 month off dac	INDIANRI26 KVUNIT04	Generator	Day Ahead Congestion + Energy	Off Peak	800 MW	
GJM	PJM	PJM.IRONWOOD16 KVCT-1 month on dac	IRONWOOD16 KVCT-1	Generator	Day Ahead Congestion + Energy	On Peak	778 MW	
GJN	PJM	PJM.IRONWOOD16 KVCT-1 month off dac	IRONWOOD16 KVCT-1	Generator	Day Ahead Congestion + Energy	Off Peak	778 MW	
GHU	PJM	PJM.KAMMER215.5 KVKM1 month on dac	KAMMER215.5 KVKM1	Generator	Day Ahead Congestion + Energy	On Peak	713 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GHV	PJM	PJM.KAMMER215.5 KVKM1 month off dac	KAMMER215.5 KVKM1	Generator	Day Ahead Congestion + Energy	Off Peak	713 MW	
GHW	PJM	PJM.KAMMER226 KVML1 month on dac	KAMMER226 KVML1	Generator	Day Ahead Congestion + Energy	On Peak	713 MW	
GHX	PJM	PJM.KAMMER226 KVML1 month off dac	KAMMER226 KVML1	Generator	Day Ahead Congestion + Energy	Off Peak	713 MW	
GHY	PJM	PJM.KAMMER226 KVML2 month on dac	KAMMER226 KVML2	Generator	Day Ahead Congestion + Energy	On Peak	713 MW	
GHZ	PJM	PJM.KAMMER226 KVML2 month off dac	KAMMER226 KVML2	Generator	Day Ahead Congestion + Energy	Off Peak	713 MW	
GEW	PJM	PJM.KEYSTONE20 KVUNIT 1 month on dac	KEYSTONE20 KVUNIT 1	Generator	Day Ahead Congestion + Energy	On Peak	1,884 MW	
GEX	PJM	PJM.KEYSTONE20 KVUNIT 1 month off dac	KEYSTONE20 KVUNIT 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,884 MW	
GEY	PJM	PJM.LIMERICK20 KVUNIT01 month on dac	LIMERICK20 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	2,277 MW	
GEZ	PJM	PJM.LIMERICK20 KVUNIT01 month off dac	LIMERICK20 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	2,277 MW	
GJO	PJM	PJM.LIMERICK20 KVUNIT02 month on dac	LIMERICK20 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	2,277 MW	
GJP	PJM	PJM.LIMERICK20 KVUNIT02 month off dac	LIMERICK20 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	2,277 MW	
GFA	PJM	PJM.LINDEN18 KV1101 CT month on dac	LINDEN18 KV1101 CT	Generator	Day Ahead Congestion + Energy	On Peak	1,589 MW	
GFB	PJM	PJM.LINDEN18 KV1101 CT month off dac	LINDEN18 KV1101 CT	Generator	Day Ahead Congestion + Energy	Off Peak	1,589 MW	
GFC	PJM	PJM.LINWDPE18 KVCT1 month on dac	LINWDPE18 KVCT1	Generator	Day Ahead Congestion + Energy	On Peak	840 MW	
GFD	PJM	PJM.LINWDPE18 KVCT1 month off dac	LINWDPE18 KVCT1	Generator	Day Ahead Congestion + Energy	Off Peak	840 MW	
HJM	PJM	PJM.MANSFIEL17 KVUN1 month on dac	MANSFIEL17 KVUN1	Generator	Day Ahead Congestion + Energy	On Peak	2,741 MW	
HJN	PJM	PJM.MANSFIEL17 KVUN1 month off dac	MANSFIEL17 KVUN1	Generator	Day Ahead Congestion + Energy	Off Peak	2,741 MW	
GXG	PJM	PJM.MARLOWE11 KVRPSMITH3 month on dac	MARLOWE11 KVRPSMITH3	Generator	Day Ahead Congestion + Energy	On Peak	110 MW	
GXH	PJM	PJM.MARLOWE11 KVRPSMITH3 month off dac	MARLOWE11 KVRPSMITH3	Generator	Day Ahead Congestion + Energy	Off Peak	110 MW	
GIA	PJM	PJM.MARTINSC24 KVUNIT03 month on dac	MARTINSC24 KVUNIT03	Generator	Day Ahead Congestion + Energy	On Peak	1,795 MW	
GIB	PJM	PJM.MARTINSC24 KVUNIT03 month off dac	MARTINSC24 KVUNIT03	Generator	Day Ahead Congestion + Energy	Off Peak	1,795 MW	
HJA	PJM	PJM.MEADOWLK34.5 KVMEDWLKWF month on dac	MEADOWLK34.5 KVMEDWLKWF	Generator	Day Ahead Congestion + Energy	On Peak	199 MW	
HJB	PJM	PJM.MEADOWLK34.5 KVMEDWLKWF month off dac	MEADOWLK34.5 KVMEDWLKWF	Generator	Day Ahead Congestion + Energy	Off Peak	199 MW	
HRC	PJM	PJM.MIAMIFOR18 KVG6 month on dac	MIAMIFOR18 KVG6	Generator	Day Ahead Congestion + Energy	On Peak	1,344 MW	
HRD	PJM	PJM.MIAMIFOR18 KVG6 month off dac	MIAMIFOR18 KVG6	Generator	Day Ahead Congestion + Energy	Off Peak	1,344 MW	
HRA	PJM	PJM.MIAMIFOR18 KVG6 month on dap	MIAMIFOR18 KVG6	Generator	Day Ahead Power	On Peak	1,344 MW	
HRB	PJM	PJM.MIAMIFOR18 KVG6 month off dap	MIAMIFOR18 KVG6	Generator	Day Ahead Power	Off Peak	1,344 MW	
HJO	PJM	PJM.MITCHELL24 KVGEN 3 month on dac	MITCHELL24 KVGEN 3	Generator	Day Ahead Congestion + Energy	On Peak	374 MW	
HJP	PJM	PJM.MITCHELL24 KVGEN 3 month off dac	MITCHELL24 KVGEN 3	Generator	Day Ahead Congestion + Energy	Off Peak	374 MW	
GFI	PJM	PJM.MONTOUR24 KVUNIT01 month on dac	MONTOUR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	1,642 MW	
GFI	PJM	PJM.MONTOUR24 KVUNIT01 month off dac	MONTOUR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	1,642 MW	
GIG	PJM	PJM.MONTOUR24 KVUNIT02 month on dac	MONTOUR24 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	1,642 MW	
GIH	PJM	PJM.MONTOUR24 KVUNIT02 month off dac	MONTOUR24 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	1,642 MW	
HTU	PJM	PJM.MORGANTO23 KVUNIT02 month on dac	MORGANTO23 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	1,548 MW	
HTV	PJM	PJM.MORGANTO23 KVUNIT02 month off dac	MORGANTO23 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	1,548 MW	
HIU	PJM	PJM.MOUN ME13 KVGEN #1 month on dac	MOUN ME13 KVGEN #1	Generator	Day Ahead Congestion + Energy	On Peak	52 MW	
HIV	PJM	PJM.MOUN ME13 KVGEN #1 month off dac	MOUN ME13 KVGEN #1	Generator	Day Ahead Congestion + Energy	Off Peak	52 MW	
GII	PJM	PJM.MTSTORM422 KVG3 month on dac	MTSTORM422 KVG3	Generator	Day Ahead Congestion + Energy	On Peak	1,681 MW	
GIU	PJM	PJM.MTSTORM422 KVG3 month off dac	MTSTORM422 KVG3	Generator	Day Ahead Congestion + Energy	Off Peak	1,681 MW	
ERA	PJM	PJM.MTSTORM422 KVG3 month on dap	MTSTORM422 KVG3	Generator	Day Ahead Power	On Peak	1,681 MW	
ERB	PJM	PJM.MTSTORM422 KVG3 month off dap	MTSTORM422 KVG3	Generator	Day Ahead Power	Off Peak	1,681 MW	
HRM	PJM	PJM.MUDDYRN13 KVUNIT1 month on dac	MUDDYRN13 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	800 MW	
HRN	PJM	PJM.MUDDYRN13 KVUNIT1 month off dac	MUDDYRN13 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	800 MW	
GJQ	PJM	PJM.OYSTERCR24 KVUNIT01 month on dac	OYSTERCR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	550 MW	
GJR	PJM	PJM.OYSTERCR24 KVUNIT01 month off dac	OYSTERCR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	550 MW	
GFO	PJM	PJM.PEACHBOT22 KVUNIT02 month on dac	PEACHBOT22 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	2,304 MW	
GFP	PJM	PJM.PEACHBOT22 KVUNIT02 month off dac	PEACHBOT22 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	2,304 MW	
HSO	PJM	PJM.PEACHBOT22 KVUNIT03 month on dac	PEACHBOT22 KVUNIT03	Generator	Day Ahead Congestion + Energy	On Peak	2,304 MW	
HSP	PJM	PJM.PEACHBOT22 KVUNIT03 month off dac	PEACHBOT22 KVUNIT03	Generator	Day Ahead Congestion + Energy	Off Peak	2,304 MW	
GIS	PJM	PJM.PERRYMAN13 KVCT 1 month on dac	PERRYMAN13 KVCT 1	Generator	Day Ahead Congestion + Energy	On Peak	404 MW	
GIT	PJM	PJM.PERRYMAN13 KVCT 1 month off dac	PERRYMAN13 KVCT 1	Generator	Day Ahead Congestion + Energy	Off Peak	404 MW	
GTM	PJM	PJM.PERRY FE22 KVPR10 month on dac	PERRY FE22 KVPR10	Generator	Day Ahead Congestion + Energy	On Peak	1,312 MW	
GTN	PJM	PJM.PERRY FE22 KVPR10 month off dac	PERRY FE22 KVPR10	Generator	Day Ahead Congestion + Energy	Off Peak	1,312 MW	
GIU	PJM	PJM.PLEA APS26 KVGEN 1 month on dac	PLEA APS26 KVGEN 1	Generator	Day Ahead Congestion + Energy	On Peak	1,368 MW	
GIV	PJM	PJM.PLEA APS26 KVGEN 1 month off dac	PLEA APS26 KVGEN 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,368 MW	
GXM	PJM	PJM.PLEA APS26 KVGEN 2 month on dac	PLEA APS26 KVGEN 2	Generator	Day Ahead Congestion + Energy	On Peak	1,368 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GXN	PJM	PJM.PLEA APS26 KVGEN 2 month off dac	PLEA APS26 KVGEN 2	Generator	Day Ahead Congestion + Energy	Off Peak	1,368 MW	
GIW	PJM	PJM.PSEGGLOB18 KV6 month on dac	PSEGGLOB18 KV6	Generator	Day Ahead Congestion + Energy	On Peak	922 MW	
GIX	PJM	PJM.PSEGGLOB18 KV6 month off dac	PSEGGLOB18 KV6	Generator	Day Ahead Congestion + Energy	Off Peak	922 MW	
GTO	PJM	PJM.RICHLND138 KVRP81 month on dac	RICHLND138 KVRP81	Generator	Day Ahead Congestion + Energy	On Peak	450 MW	
GTP	PJM	PJM.RICHLND138 KVRP81 month off dac	RICHLND138 KVRP81	Generator	Day Ahead Congestion + Energy	Off Peak	450 MW	
GIY	PJM	PJM.ROCKPOR226 KVRP1 month on dac	ROCKPOR226 KVRP1	Generator	Day Ahead Congestion + Energy	On Peak	2,600 MW	
GLZ	PJM	PJM.ROCKPOR226 KVRP1 month off dac	ROCKPOR226 KVRP1	Generator	Day Ahead Congestion + Energy	Off Peak	2,600 MW	
HRO	PJM	PJM.SAFEHARB13 KVUNIT1 month on dac	SAFEHARB13 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	418 MW	
HRP	PJM	PJM.SAFEHARB13 KVUNIT1 month off dac	SAFEHARB13 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	418 MW	
HRQ	PJM	PJM.SAFEHARB13 KVUNIT8 month on dac	SAFEHARB13 KVUNIT8	Generator	Day Ahead Congestion + Energy	On Peak	418 MW	
HRR	PJM	PJM.SAFEHARB13 KVUNIT8 month off dac	SAFEHARB13 KVUNIT8	Generator	Day Ahead Congestion + Energy	Off Peak	418 MW	
GJA	PJM	PJM.SALEM25 KVSALEM1 month on dac	SALEM25 KVSALEM1	Generator	Day Ahead Congestion + Energy	On Peak	2,382 MW	
GJB	PJM	PJM.SALEM25 KVSALEM1 month off dac	SALEM25 KVSALEM1	Generator	Day Ahead Congestion + Energy	Off Peak	2,382 MW	
GTQ	PJM	PJM.SAMMISFE19 KVSH70 month on dac	SAMMISFE19 KVSH70	Generator	Day Ahead Congestion + Energy	On Peak	2,468 MW	
GTR	PJM	PJM.SAMMISFE19 KVSH70 month off dac	SAMMISFE19 KVSH70	Generator	Day Ahead Congestion + Energy	Off Peak	2,468 MW	
HTW	PJM	PJM.SEWARD22 KVUNIT1 month on dac	SEWARD22 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	585 MW	
HTX	PJM	PJM.SEWARD22 KVUNIT1 month off dac	SEWARD22 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	585 MW	
HTY	PJM	PJM.SHAWVILL18 KVUNIT 1 month on dac	SHAWVILL18 KVUNIT 1	Generator	Day Ahead Congestion + Energy	On Peak	632 MW	
HTZ	PJM	PJM.SHAWVILL18 KVUNIT 1 month off dac	SHAWVILL18 KVUNIT 1	Generator	Day Ahead Congestion + Energy	Off Peak	632 MW	
HUA	PJM	PJM.SHAWVILL22 KVUNIT 3 month on dac	SHAWVILL22 KVUNIT 3	Generator	Day Ahead Congestion + Energy	On Peak	632 MW	
HUB	PJM	PJM.SHAWVILL22 KVUNIT 3 month off dac	SHAWVILL22 KVUNIT 3	Generator	Day Ahead Congestion + Energy	Off Peak	632 MW	
HJQ	PJM	PJM.SPRINGDA18 KVCT3 month on dac	SPRINGDA18 KVCT3	Generator	Day Ahead Congestion + Energy	On Peak	556 MW	
HJR	PJM	PJM.SPRINGDA18 KVCT3 month off dac	SPRINGDA18 KVCT3	Generator	Day Ahead Congestion + Energy	Off Peak	556 MW	
HJE	PJM	PJM.SRIVER230 KVNUG GE month on dac	SRIVER230 KVNUG GE	Generator	Day Ahead Congestion + Energy	On Peak	260 MW	
HJF	PJM	PJM.SRIVER230 KVNUG GE month off dac	SRIVER230 KVNUG GE	Generator	Day Ahead Congestion + Energy	Off Peak	260 MW	
FCI	PJM	PJM.SRIVER230 KVNUG GE month on dap	SRIVER230 KVNUG GE	Generator	Day Ahead Power	On Peak	260 MW	
FCJ	PJM	PJM.SRIVER230 KVNUG GE month off dap	SRIVER230 KVNUG GE	Generator	Day Ahead Power	Off Peak	260 MW	
FDC	PJM	PJM.STEELCTY18 KVBETH 4CC month on dap	STEELCTY18 KVBETH 4CC	Generator	Day Ahead Power	On Peak	1,300 MW	
FDD	PJM	PJM.STEELCTY18 KVBETH 4CC month off dap	STEELCTY18 KVBETH 4CC	Generator	Day Ahead Power	Off Peak	1,300 MW	
FDE	PJM	PJM.STEELCTY18 KVBETH 8CC month on dap	STEELCTY18 KVBETH 8CC	Generator	Day Ahead Power	On Peak	1,300 MW	
FDI	PJM	PJM.STEELCTY18 KVBETH 8CC month off dap	STEELCTY18 KVBETH 8CC	Generator	Day Ahead Power	Off Peak	1,300 MW	
GVW	PJM	PJM.STRYKER138 KVSP81 month on dac	STRYKER138 KVSP81	Generator	Day Ahead Congestion + Energy	On Peak	19 MW	
GVX	PJM	PJM.STRYKER138 KVSP81 month off dac	STRYKER138 KVSP81	Generator	Day Ahead Congestion + Energy	Off Peak	19 MW	
GGK	PJM	PJM.SUSQUEHA24 KVUNIT01 month on dac	SUSQUEHA24 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	2,596 MW	
GGL	PJM	PJM.SUSQUEHA24 KVUNIT01 month off dac	SUSQUEHA24 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	2,596 MW	
GGM	PJM	PJM.SUSQUEHA24 KVUNIT02 month on dac	SUSQUEHA24 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	2,596 MW	
GGN	PJM	PJM.SUSQUEHA24 KVUNIT02 month off dac	SUSQUEHA24 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	2,596 MW	
GJE	PJM	PJM.TANNERSC20 KVTC4 month on dac	TANNERSC20 KVTC4	Generator	Day Ahead Congestion + Energy	On Peak	1,100 MW	
GJF	PJM	PJM.TANNERSC20 KVTC4 month off dac	TANNERSC20 KVTC4	Generator	Day Ahead Congestion + Energy	Off Peak	1,100 MW	
GJG	PJM	PJM.TIDD_AEP24 KVCD1 month on dac	TIDD_AEP24 KVCD1	Generator	Day Ahead Congestion + Energy	On Peak	1,880 MW	
GJH	PJM	PJM.TIDD_AEP24 KVCD1 month off dac	TIDD_AEP24 KVCD1	Generator	Day Ahead Congestion + Energy	Off Peak	1,880 MW	
GJI	PJM	PJM.TIDD_AEP24 KVCD2 month on dac	TIDD_AEP24 KVCD2	Generator	Day Ahead Congestion + Energy	On Peak	1,880 MW	
GJJ	PJM	PJM.TIDD_AEP24 KVCD2 month off dac	TIDD_AEP24 KVCD2	Generator	Day Ahead Congestion + Energy	Off Peak	1,880 MW	
GJS	PJM	PJM.TMI20 KVUNIT01 month on dac	TMI20 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	976 MW	
GJT	PJM	PJM.TMI20 KVUNIT01 month off dac	TMI20 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	976 MW	
GJK	PJM	PJM.WAGNER13 KVGEN 01 month on dac	WAGNER13 KVGEN 01	Generator	Day Ahead Congestion + Energy	On Peak	1,059 MW	
GJL	PJM	PJM.WAGNER13 KVGEN 01 month off dac	WAGNER13 KVGEN 01	Generator	Day Ahead Congestion + Energy	Off Peak	1,059 MW	
HRG	PJM	PJM.WOODSDAL13.5 KVCT1 month on dac	WOODSDAL13.5 KVCT1	Generator	Day Ahead Congestion + Energy	On Peak	490 MW	
HRH	PJM	PJM.WOODSDAL13.5 KVCT1 month off dac	WOODSDAL13.5 KVCT1	Generator	Day Ahead Congestion + Energy	Off Peak	490 MW	
HRE	PJM	PJM.WOODSDAL13.5 KVCT1 month on dap	WOODSDAL13.5 KVCT1	Generator	Day Ahead Power	On Peak	490 MW	
HRF	PJM	PJM.WOODSDAL13.5 KVCT1 month off dap	WOODSDAL13.5 KVCT1	Generator	Day Ahead Power	Off Peak	490 MW	
HSQ	PJM	PJM.55 HEGEW138 KVCDGRF month on dac	55 HEGEW138 KVCDGRF	Generator	Day Ahead Congestion + Energy	On Peak	7 MW	28 MW
HSR	PJM	PJM.55 HEGEW138 KVCDGRF month off dac	55 HEGEW138 KVCDGRF	Generator	Day Ahead Congestion + Energy	Off Peak	7 MW	28 MW
HSS	PJM	PJM.945 CRET13.5 KVCT-1 month on dac	945 CRET13.5 KVCT-1	Generator	Day Ahead Congestion + Energy	On Peak	348 MW	
HST	PJM	PJM.945 CRET13.5 KVCT-1 month off dac	945 CRET13.5 KVCT-1	Generator	Day Ahead Congestion + Energy	Off Peak	348 MW	
HSU	PJM	PJM.ZIMMER225 KV2M1 A month on dac	ZIMMER225 KV2M1 A	Generator	Day Ahead Congestion + Energy	On Peak	1,428 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HSV	PJM	PJM.ZIMMER225 KVZM1_A month off dac	ZIMMER225 KVZM1_A	Generator	Day Ahead Congestion + Energy	Off Peak	1,428 MW	

* Cells left blank indicate no change has been made to the particular field.

Exhibit 1A Deliverable Supply by Contract

Exhibit 1A Deliverable Supply by Contract - Power

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HLA	CAISO	CAISO.DLAP_PGAE-APND_month_on_dac	DLAP_PGAE-APND	Zone	Day Ahead Congestion + Energy	On Peak	13,045 MW	
HLB	CAISO	CAISO.DLAP_PGAE-APND_month_off_dac	DLAP_PGAE-APND	Zone	Day Ahead Congestion + Energy	Off Peak	10,821 MW	
FOW	CAISO	CAISO.DLAP_PGAE-APND_month_on_dap	DLAP_PGAE-APND	Zone	Day Ahead Power	On Peak	13,045 MW	
FOX	CAISO	CAISO.DLAP_PGAE-APND_month_off_dap	DLAP_PGAE-APND	Zone	Day Ahead Power	Off Peak	10,821 MW	
HLC	CAISO	CAISO.DLAP_SCE-APND_month_on_dac	DLAP_SCE-APND	Zone	Day Ahead Congestion + Energy	On Peak	13,211 MW	
HLD	CAISO	CAISO.DLAP_SCE-APND_month_off_dac	DLAP_SCE-APND	Zone	Day Ahead Congestion + Energy	Off Peak	10,514 MW	
FOY	CAISO	CAISO.DLAP_SCE-APND_month_on_dap	DLAP_SCE-APND	Zone	Day Ahead Power	On Peak	13,211 MW	
FOZ	CAISO	CAISO.DLAP_SCE-APND_month_off_dap	DLAP_SCE-APND	Zone	Day Ahead Power	Off Peak	10,514 MW	
HLE	CAISO	CAISO.DLAP_SDGE-APND_month_on_dac	DLAP_SDGE-APND	Zone	Day Ahead Congestion + Energy	On Peak	2,675 MW	
HLF	CAISO	CAISO.DLAP_SDGE-APND_month_off_dac	DLAP_SDGE-APND	Zone	Day Ahead Congestion + Energy	Off Peak	2,059 MW	
FPA	CAISO	CAISO.DLAP_SDGE-APND_month_on_dap	DLAP_SDGE-APND	Zone	Day Ahead Power	On Peak	2,675 MW	
FPB	CAISO	CAISO.DLAP_SDGE-APND_month_off_dap	DLAP_SDGE-APND	Zone	Day Ahead Power	Off Peak	2,059 MW	
GXY	ERCOT	ERCOT.LZ_AEN_month_on_dap	LZ_AEN	Zone	Day Ahead Power	On Peak	1,663 MW	
GXZ	ERCOT	ERCOT.LZ_AEN_month_off_dap	LZ_AEN	Zone	Day Ahead Power	Off Peak	1,382 MW	
GYA	ERCOT	ERCOT.LZ_AEN_month_7x8_dap	LZ_AEN	Zone	Day Ahead Power	7x8 Off Peak	1,274 MW	
GYB	ERCOT	ERCOT.LZ_AEN_month_2x16_dap	LZ_AEN	Zone	Day Ahead Power	2x16 PeakWE	1,537 MW	
G XU	ERCOT	ERCOT.LZ_CPS_month_on_dap	LZ_CPS	Zone	Day Ahead Power	On Peak	3,920 MW	
G XV	ERCOT	ERCOT.LZ_CPS_month_off_dap	LZ_CPS	Zone	Day Ahead Power	Off Peak	3,258 MW	
G XW	ERCOT	ERCOT.LZ_CPS_month_7x8_dap	LZ_CPS	Zone	Day Ahead Power	7x8 Off Peak	3,004 MW	
G XX	ERCOT	ERCOT.LZ_CPS_month_2x16_dap	LZ_CPS	Zone	Day Ahead Power	2x16 PeakWE	3,624 MW	
FVK	ERCOT	ERCOT.LZ_HOUSTON_month_on_dap	LZ_HOUSTON	Zone	Day Ahead Power	On Peak	11,036 MW	
FVL	ERCOT	ERCOT.LZ_HOUSTON_month_off_dap	LZ_HOUSTON	Zone	Day Ahead Power	Off Peak	9,170 MW	
GAT	ERCOT	ERCOT.LZ_HOUSTON_month_7x8_dap	LZ_HOUSTON	Zone	Day Ahead Power	7x8 Off Peak	8,457 MW	
GAS	ERCOT	ERCOT.LZ_HOUSTON_month_2x16_dap	LZ_HOUSTON	Zone	Day Ahead Power	2x16 PeakWE	10,203 MW	
FUJ	ERCOT	ERCOT.LZ_HOUSTON_month_on_rtp	LZ_HOUSTON	Zone	Real Time Power	On Peak	11,036 MW	
FUV	ERCOT	ERCOT.LZ_HOUSTON_month_off_rtp	LZ_HOUSTON	Zone	Real Time Power	Off Peak	9,170 MW	
GBJ	ERCOT	ERCOT.LZ_HOUSTON_month_7x8_rtp	LZ_HOUSTON	Zone	Real Time Power	7x8 Off Peak	8,457 MW	
GBI	ERCOT	ERCOT.LZ_HOUSTON_month_2x16_rtp	LZ_HOUSTON	Zone	Real Time Power	2x16 PeakWE	10,203 MW	
GXQ	ERCOT	ERCOT.LZ_LCRA_month_on_dap	LZ_LCRA	Zone	Day Ahead Power	On Peak	2,095 MW	
GXR	ERCOT	ERCOT.LZ_LCRA_month_off_dap	LZ_LCRA	Zone	Day Ahead Power	Off Peak	1,741 MW	
GXS	ERCOT	ERCOT.LZ_LCRA_month_7x8_dap	LZ_LCRA	Zone	Day Ahead Power	7x8 Off Peak	1,605 MW	
GXT	ERCOT	ERCOT.LZ_LCRA_month_2x16_dap	LZ_LCRA	Zone	Day Ahead Power	2x16 PeakWE	1,937 MW	
HRS	ERCOT	ERCOT.LZ_LCRA_month_on_rtp	LZ_LCRA	Zone	Real Time Power	On Peak	2,095 MW	
HRT	ERCOT	ERCOT.LZ_LCRA_month_off_rtp	LZ_LCRA	Zone	Real Time Power	Off Peak	1,741 MW	
FVM	ERCOT	ERCOT.LZ_NORTH_month_on_dap	LZ_NORTH	Zone	Day Ahead Power	On Peak	16,788 MW	
FVN	ERCOT	ERCOT.LZ_NORTH_month_off_dap	LZ_NORTH	Zone	Day Ahead Power	Off Peak	13,950 MW	
GAV	ERCOT	ERCOT.LZ_NORTH_month_7x8_dap	LZ_NORTH	Zone	Day Ahead Power	7x8 Off Peak	12,865 MW	
GAU	ERCOT	ERCOT.LZ_NORTH_month_2x16_dap	LZ_NORTH	Zone	Day Ahead Power	2x16 PeakWE	15,522 MW	
FLW	ERCOT	ERCOT.LZ_NORTH_month_on_rtp	LZ_NORTH	Zone	Real Time Power	On Peak	16,788 MW	
FUX	ERCOT	ERCOT.LZ_NORTH_month_off_rtp	LZ_NORTH	Zone	Real Time Power	Off Peak	13,950 MW	
GBL	ERCOT	ERCOT.LZ_NORTH_month_7x8_rtp	LZ_NORTH	Zone	Real Time Power	7x8 Off Peak	12,865 MW	
GBK	ERCOT	ERCOT.LZ_NORTH_month_2x16_rtp	LZ_NORTH	Zone	Real Time Power	2x16 PeakWE	15,522 MW	
FVO	ERCOT	ERCOT.LZ_SOUTH_month_on_dap	LZ_SOUTH	Zone	Day Ahead Power	On Peak	5,757 MW	
FVP	ERCOT	ERCOT.LZ_SOUTH_month_off_dap	LZ_SOUTH	Zone	Day Ahead Power	Off Peak	4,784 MW	
GAX	ERCOT	ERCOT.LZ_SOUTH_month_7x8_dap	LZ_SOUTH	Zone	Day Ahead Power	7x8 Off Peak	4,412 MW	
GAW	ERCOT	ERCOT.LZ_SOUTH_month_2x16_dap	LZ_SOUTH	Zone	Day Ahead Power	2x16 PeakWE	5,323 MW	
FUY	ERCOT	ERCOT.LZ_SOUTH_month_on_rtp	LZ_SOUTH	Zone	Real Time Power	On Peak	5,757 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
FUZ	ERCOT	ERCOT.LZ_SOUTH_month_off_rtp	LZ_SOUTH	Zone	Real Time Power	Off Peak	4,784 MW	
GBN	ERCOT	ERCOT.LZ_SOUTH_month_7x8_rtp	LZ_SOUTH	Zone	Real Time Power	7x8 Off Peak	4,412 MW	
GBM	ERCOT	ERCOT.LZ_SOUTH_month_2x16_rtp	LZ_SOUTH	Zone	Real Time Power	2x16 PeakWE	5,323 MW	
FVQ	ERCOT	ERCOT.LZ_WEST_month_on_dap	LZ_WEST	Zone	Day Ahead Power	On Peak	3,076 MW	
FVR	ERCOT	ERCOT.LZ_WEST_month_off_dap	LZ_WEST	Zone	Day Ahead Power	Off Peak	2,556 MW	
GAZ	ERCOT	ERCOT.LZ_WEST_month_7x8_dap	LZ_WEST	Zone	Day Ahead Power	7x8 Off Peak	2,357 MW	
GAY	ERCOT	ERCOT.LZ_WEST_month_2x16_dap	LZ_WEST	Zone	Day Ahead Power	2x16 PeakWE	2,844 MW	
FVA	ERCOT	ERCOT.LZ_WEST_month_on_rtp	LZ_WEST	Zone	Real Time Power	On Peak	3,076 MW	
FVB	ERCOT	ERCOT.LZ_WEST_month_off_rtp	LZ_WEST	Zone	Real Time Power	Off Peak	2,556 MW	
GBP	ERCOT	ERCOT.LZ_WEST_month_7x8_rtp	LZ_WEST	Zone	Real Time Power	7x8 Off Peak	2,357 MW	
GBO	ERCOT	ERCOT.LZ_WEST_month_2x16_rtp	LZ_WEST	Zone	Real Time Power	2x16 PeakWE	2,844 MW	
HPG	ISONE	ISONE.Z.CONNECTICUT_month_on_dac	.Z.CONNECTICUT	Zone	Day Ahead Congestion + Energy	On Peak	4,137 MW	
HPH	ISONE	ISONE.Z.CONNECTICUT_month_off_dac	.Z.CONNECTICUT	Zone	Day Ahead Congestion + Energy	Off Peak	3,199 MW	
AAO	ISONE	ISONE.Z.CONNECTICUT_month_on_dap	.Z.CONNECTICUT	Zone	Day Ahead Power	On Peak	4,137 MW	
AAP	ISONE	ISONE.Z.CONNECTICUT_month_off_dap	.Z.CONNECTICUT	Zone	Day Ahead Power	Off Peak	3,199 MW	
HPI	ISONE	ISONE.Z.MAINE_month_on_dac	.Z.MAINE	Zone	Day Ahead Congestion + Energy	On Peak	1,545 MW	
HPJ	ISONE	ISONE.Z.MAINE_month_off_dac	.Z.MAINE	Zone	Day Ahead Congestion + Energy	Off Peak	1,264 MW	
AAQ	ISONE	ISONE.Z.MAINE_month_on_dap	.Z.MAINE	Zone	Day Ahead Power	On Peak	1,545 MW	
AAR	ISONE	ISONE.Z.MAINE_month_off_dap	.Z.MAINE	Zone	Day Ahead Power	Off Peak	1,264 MW	
HPK	ISONE	ISONE.Z.NEMASSBOST_month_on_dac	.Z.NEMASSBOST	Zone	Day Ahead Congestion + Energy	On Peak	3,353 MW	
HPL	ISONE	ISONE.Z.NEMASSBOST_month_off_dac	.Z.NEMASSBOST	Zone	Day Ahead Congestion + Energy	Off Peak	2,622 MW	
AAS	ISONE	ISONE.Z.NEMASSBOST_month_on_dap	.Z.NEMASSBOST	Zone	Day Ahead Power	On Peak	3,353 MW	
AAT	ISONE	ISONE.Z.NEMASSBOST_month_off_dap	.Z.NEMASSBOST	Zone	Day Ahead Power	Off Peak	2,622 MW	
HPM	ISONE	ISONE.Z.NEWHAMPSHIRE_month_on_dac	.Z.NEWHAMPSHIRE	Zone	Day Ahead Congestion + Energy	On Peak	2,129 MW	
HPN	ISONE	ISONE.Z.NEWHAMPSHIRE_month_off_dac	.Z.NEWHAMPSHIRE	Zone	Day Ahead Congestion + Energy	Off Peak	1,640 MW	
AAU	ISONE	ISONE.Z.NEWHAMPSHIRE_month_on_dap	.Z.NEWHAMPSHIRE	Zone	Day Ahead Power	On Peak	2,129 MW	
AAV	ISONE	ISONE.Z.NEWHAMPSHIRE_month_off_dap	.Z.NEWHAMPSHIRE	Zone	Day Ahead Power	Off Peak	1,640 MW	
HPO	ISONE	ISONE.Z.RHODEISLAND_month_on_dac	.Z.RHODEISLAND	Zone	Day Ahead Congestion + Energy	On Peak	1,384 MW	
HPP	ISONE	ISONE.Z.RHODEISLAND_month_off_dac	.Z.RHODEISLAND	Zone	Day Ahead Congestion + Energy	Off Peak	1,071 MW	
AAW	ISONE	ISONE.Z.RHODEISLAND_month_on_dap	.Z.RHODEISLAND	Zone	Day Ahead Power	On Peak	1,384 MW	
AAX	ISONE	ISONE.Z.RHODEISLAND_month_off_dap	.Z.RHODEISLAND	Zone	Day Ahead Power	Off Peak	1,071 MW	
HPQ	ISONE	ISONE.Z.SEMASS_month_on_dac	.Z.SEMASS	Zone	Day Ahead Congestion + Energy	On Peak	1,968 MW	
HPR	ISONE	ISONE.Z.SEMASS_month_off_dac	.Z.SEMASS	Zone	Day Ahead Congestion + Energy	Off Peak	1,530 MW	
AAZ	ISONE	ISONE.Z.SEMASS_month_on_dap	.Z.SEMASS	Zone	Day Ahead Power	On Peak	1,968 MW	
AA1	ISONE	ISONE.Z.SEMASS_month_off_dap	.Z.SEMASS	Zone	Day Ahead Power	Off Peak	1,530 MW	
HP5	ISONE	ISONE.Z.VERMONT_month_on_dac	.Z.VERMONT	Zone	Day Ahead Congestion + Energy	On Peak	741 MW	
HPT	ISONE	ISONE.Z.VERMONT_month_off_dac	.Z.VERMONT	Zone	Day Ahead Congestion + Energy	Off Peak	598 MW	
ABA	ISONE	ISONE.Z.VERMONT_month_on_dap	.Z.VERMONT	Zone	Day Ahead Power	On Peak	741 MW	
ABB	ISONE	ISONE.Z.VERMONT_month_off_dap	.Z.VERMONT	Zone	Day Ahead Power	Off Peak	598 MW	
HPU	ISONE	ISONE.Z.WCMASS_month_on_dac	.Z.WCMASS	Zone	Day Ahead Congestion + Energy	On Peak	2,295 MW	
HPV	ISONE	ISONE.Z.WCMASS_month_off_dac	.Z.WCMASS	Zone	Day Ahead Congestion + Energy	Off Peak	1,789 MW	
ABC	ISONE	ISONE.Z.WCMASS_month_on_dap	.Z.WCMASS	Zone	Day Ahead Power	On Peak	2,295 MW	
ABD	ISONE	ISONE.Z.WCMASS_month_off_dap	.Z.WCMASS	Zone	Day Ahead Power	Off Peak	1,789 MW	
AOA	MISO	MISO.ALTE.ALTE_month_on_dap	ALTE.ALTE	Zone	Day Ahead Power	On Peak	1,995 MW	
AOB	MISO	MISO.ALTE.ALTE_month_off_dap	ALTE.ALTE	Zone	Day Ahead Power	Off Peak	1,647 MW	
FZJ	MISO	MISO.ALTW.ALTW_month_on_dap	ALTW.ALTW	Zone	Day Ahead Power	On Peak	3,901 MW	
FZK	MISO	MISO.ALTW.ALTW_month_off_dap	ALTW.ALTW	Zone	Day Ahead Power	Off Peak	2,725 MW	
BJS	MISO	MISO.CWLD.CWLD_month_on_dap	CWLD.CWLD	Zone	Day Ahead Power	On Peak	188 MW	
BJT	MISO	MISO.CWLD.CWLD_month_off_dap	CWLD.CWLD	Zone	Day Ahead Power	Off Peak	155 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GBS	MISO	MISO.DPC.DPC_month_on_dap	DPC.DPC	Zone	Day Ahead Power	On Peak	698 MW	
GBT	MISO	MISO.DPC.DPC_month_off_dap	DPC.DPC	Zone	Day Ahead Power	Off Peak	576 MW	
CFA	MISO	MISO.NSP.NSP_month_on_dap	NSP.NSP	Zone	Day Ahead Power	On Peak	6,377 MW	
CFB	MISO	MISO.NSP.NSP_month_off_dap	NSP.NSP	Zone	Day Ahead Power	Off Peak	5,264 MW	
CIK	MISO	MISO.OTP.OTP_month_on_dap	OTP.OTP	Zone	Day Ahead Power	On Peak	891 MW	
CJL	MISO	MISO.OTP.OTP_month_off_dap	OTP.OTP	Zone	Day Ahead Power	Off Peak	735 MW	
CQI	MISO	MISO.WPS.WPSM_month_on_dap	WPS.WPSM	Zone	Day Ahead Power	On Peak	1,773 MW	
CQJ	MISO	MISO.WPS.WPSM_month_off_dap	WPS.WPSM	Zone	Day Ahead Power	Off Peak	1,464 MW	
HUC	MISO	MISO.WPS.WPSM_month_on_rtp	WPS.WPSM	Zone	Real Time Power	On Peak	1,773 MW	
HUD	MISO	MISO.WPS.WPSM_month_off_rtp	WPS.WPSM	Zone	Real Time Power	Off Peak	1,464 MW	
GOS	MISO_RTO	MISO_RTO.ALTE.ALTE_month_on_dac	ALTE.ALTE	Zone	Day Ahead Congestion + Energy	On Peak	1,995 MW	
GOT	MISO_RTO	MISO_RTO.ALTE.ALTE_month_off_dac	ALTE.ALTE	Zone	Day Ahead Congestion + Energy	Off Peak	1,647 MW	
GOU	MISO_RTO	MISO_RTO.ALTW.ALTW_month_on_dac	ALTW.ALTW	Zone	Day Ahead Congestion + Energy	On Peak	3,303 MW	
GOV	MISO_RTO	MISO_RTO.ALTW.ALTW_month_off_dac	ALTW.ALTW	Zone	Day Ahead Congestion + Energy	Off Peak	2,725 MW	
GOA	MISO_RTO	MISO_RTO.AMMO.UE_month_on_dac	AMMO.UE	Zone	Day Ahead Congestion + Energy	On Peak	5,772 MW	
GOB	MISO_RTO	MISO_RTO.AMMO.UE_month_off_dac	AMMO.UE	Zone	Day Ahead Congestion + Energy	Off Peak	4,765 MW	
AYU	MISO_RTO	MISO_RTO.AMMO.UE_month_on_dap	AMMO.UE	Zone	Day Ahead Power	On Peak	5,772 MW	
AYV	MISO_RTO	MISO_RTO.AMMO.UE_month_off_dap	AMMO.UE	Zone	Day Ahead Power	Off Peak	4,765 MW	
GOY	MISO_RTO	MISO_RTO.CIN.PSI_month_on_dac	CIN.PSI	Zone	Day Ahead Congestion + Energy	On Peak	4,846 MW	
GOZ	MISO_RTO	MISO_RTO.CIN.PSI_month_off_dac	CIN.PSI	Zone	Day Ahead Congestion + Energy	Off Peak	4,000 MW	
BDY	MISO_RTO	MISO_RTO.CIN.PSI_month_on_dap	CIN.PSI	Zone	Day Ahead Power	On Peak	4,846 MW	
BDZ	MISO_RTO	MISO_RTO.CIN.PSI_month_off_dap	CIN.PSI	Zone	Day Ahead Power	Off Peak	4,000 MW	
GPQ	MISO_RTO	MISO_RTO.DPC.DPC_month_on_dac	DPC.DPC	Zone	Day Ahead Congestion + Energy	On Peak	698 MW	
GPR	MISO_RTO	MISO_RTO.DPC.DPC_month_off_dac	DPC.DPC	Zone	Day Ahead Congestion + Energy	Off Peak	576 MW	
GQA	MISO_RTO	MISO_RTO.GRE.GRE_month_on_dac	GRE.GRE	Zone	Day Ahead Congestion + Energy	On Peak	1,935 MW	
GQB	MISO_RTO	MISO_RTO.GRE.GRE_month_off_dac	GRE.GRE	Zone	Day Ahead Congestion + Energy	Off Peak	1,597 MW	
GOK	MISO_RTO	MISO_RTO.IPL.IPL_month_on_dac	IPL.IPL	Zone	Day Ahead Congestion + Energy	On Peak	2,099 MW	
GOL	MISO_RTO	MISO_RTO.IPL.IPL_month_off_dac	IPL.IPL	Zone	Day Ahead Congestion + Energy	Off Peak	1,733 MW	
GQE	MISO_RTO	MISO_RTO.MDU.MDU_month_on_dac	MDU.MDU	Zone	Day Ahead Congestion + Energy	On Peak	401 MW	
GQF	MISO_RTO	MISO_RTO.MDU.MDU_month_off_dac	MDU.MDU	Zone	Day Ahead Congestion + Energy	Off Peak	331 MW	
BXC	MISO_RTO	MISO_RTO.MDU.MDU_month_on_dap	MDU.MDU	Zone	Day Ahead Power	On Peak	401 MW	
BXD	MISO_RTO	MISO_RTO.MDU.MDU_month_off_dap	MDU.MDU	Zone	Day Ahead Power	Off Peak	331 MW	
GQG	MISO_RTO	MISO_RTO.MEC.MECB_month_on_dac	MEC.MECB	Zone	Day Ahead Congestion + Energy	On Peak	3,972 MW	
GQH	MISO_RTO	MISO_RTO.MEC.MECB_month_off_dac	MEC.MECB	Zone	Day Ahead Congestion + Energy	Off Peak	3,279 MW	
FLU	MISO_RTO	MISO_RTO.MEC.MECB_month_on_dap	MEC.MECB	Zone	Day Ahead Power	On Peak	3,972 MW	
FLV	MISO_RTO	MISO_RTO.MEC.MECB_month_off_dap	MEC.MECB	Zone	Day Ahead Power	Off Peak	3,279 MW	
GQM	MISO_RTO	MISO_RTO.NIPS.NIPS_month_on_dac	NIPS.NIPS	Zone	Day Ahead Congestion + Energy	On Peak	2,064 MW	
GQN	MISO_RTO	MISO_RTO.NIPS.NIPS_month_off_dac	NIPS.NIPS	Zone	Day Ahead Congestion + Energy	Off Peak	1,704 MW	1,537 MW
GQQ	MISO_RTO	MISO_RTO.SIGE.SIGW_month_on_dac	SIGE.SIGW	Zone	Day Ahead Congestion + Energy	On Peak	872 MW	
GQR	MISO_RTO	MISO_RTO.SIGE.SIGW_month_off_dac	SIGE.SIGW	Zone	Day Ahead Congestion + Energy	Off Peak	720 MW	
GPC	MISO_RTO	MISO_RTO.SIPC.SIPC_month_on_dac	SIPC.SIPC	Zone	Day Ahead Congestion + Energy	On Peak	242 MW	
GPD	MISO_RTO	MISO_RTO.SIPC.SIPC_month_off_dac	SIPC.SIPC	Zone	Day Ahead Congestion + Energy	Off Peak	199 MW	
GQU	MISO_RTO	MISO_RTO.SMP.SMP_month_on_dac	SMP.SMP	Zone	Day Ahead Congestion + Energy	On Peak	422 MW	
GQV	MISO_RTO	MISO_RTO.SMP.SMP_month_off_dac	SMP.SMP	Zone	Day Ahead Congestion + Energy	Off Peak	348 MW	
HHO	NYISO	NYISO.CAPITL_month_on_dac	CAPITL	Zone	Day Ahead Congestion + Energy	On Peak	2,065 MW	
HHP	NYISO	NYISO.CAPITL_month_off_dac	CAPITL	Zone	Day Ahead Congestion + Energy	Off Peak	1,663 MW	
CTE	NYISO	NYISO.CAPITL_month_on_dap	CAPITL	Zone	Day Ahead Power	On Peak	2,065 MW	
CTF	NYISO	NYISO.CAPITL_month_off_dap	CAPITL	Zone	Day Ahead Power	Off Peak	1,663 MW	
HBG	NYISO	NYISO.CENTRL_month_on_dac	CENTRL	Zone	Day Ahead Congestion + Energy	On Peak	2,893 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HBH	NYISO	NYISO.CENTRL_month_off_dac	CENTRL	Zone	Day Ahead Congestion + Energy	Off Peak	2,356 MW	
CTQ	NYISO	NYISO.CENTRL_month_on_dap	CENTRL	Zone	Day Ahead Power	On Peak	2,893 MW	
CTR	NYISO	NYISO.CENTRL_month_off_dap	CENTRL	Zone	Day Ahead Power	Off Peak	2,356 MW	
HBS	NYISO	NYISO.DUNWOD_month_on_dac	DUNWOD	Zone	Day Ahead Congestion + Energy	On Peak	800 MW	
HBT	NYISO	NYISO.DUNWOD_month_off_dac	DUNWOD	Zone	Day Ahead Congestion + Energy	Off Peak	624 MW	
CUU	NYISO	NYISO.DUNWOD_month_on_dap	DUNWOD	Zone	Day Ahead Power	On Peak	800 MW	
CUV	NYISO	NYISO.DUNWOD_month_off_dap	DUNWOD	Zone	Day Ahead Power	Off Peak	624 MW	
HCE	NYISO	NYISO.GENESE_month_on_dac	GENESE	Zone	Day Ahead Congestion + Energy	On Peak	1,295 MW	
HCF	NYISO	NYISO.GENESE_month_off_dac	GENESE	Zone	Day Ahead Congestion + Energy	Off Peak	1,019 MW	
CWE	NYISO	NYISO.GENESE_month_on_dap	GENESE	Zone	Day Ahead Power	On Peak	1,295 MW	
CWF	NYISO	NYISO.GENESE_month_off_dap	GENESE	Zone	Day Ahead Power	Off Peak	1,019 MW	
HCU	NYISO	NYISO.HUD_VL_month_on_dac	HUD_VL	Zone	Day Ahead Congestion + Energy	On Peak	1,290 MW	
HCV	NYISO	NYISO.HUD_VL_month_off_dac	HUD_VL	Zone	Day Ahead Congestion + Energy	Off Peak	1,037 MW	
CXO	NYISO	NYISO.HUD_VL_month_on_dap	HUD_VL	Zone	Day Ahead Power	On Peak	1,290 MW	
CXP	NYISO	NYISO.HUD_VL_month_off_dap	HUD_VL	Zone	Day Ahead Power	Off Peak	1,037 MW	
FTG	NYISO	NYISO.HUD_VL_month_on_rtp	HUD_VL	Zone	Real Time Power	On Peak	1,290 MW	
FTI	NYISO	NYISO.HUD_VL_month_off_rtp	HUD_VL	Zone	Real Time Power	Off Peak	1,037 MW	
HDI	NYISO	NYISO.LONGIL_month_on_dac	LONGIL	Zone	Day Ahead Congestion + Energy	On Peak	2,912 MW	
HDJ	NYISO	NYISO.LONGIL_month_off_dac	LONGIL	Zone	Day Ahead Congestion + Energy	Off Peak	2,295 MW	
CYU	NYISO	NYISO.LONGIL_month_on_dap	LONGIL	Zone	Day Ahead Power	On Peak	2,912 MW	
CYV	NYISO	NYISO.LONGIL_month_off_dap	LONGIL	Zone	Day Ahead Power	Off Peak	2,295 MW	
HDM	NYISO	NYISO.MHK_VL_month_on_dac	MHK_VL	Zone	Day Ahead Congestion + Energy	On Peak	1,010 MW	
HDN	NYISO	NYISO.MHK_VL_month_off_dac	MHK_VL	Zone	Day Ahead Congestion + Energy	Off Peak	799 MW	
CZA	NYISO	NYISO.MHK_VL_month_on_dap	MHK_VL	Zone	Day Ahead Power	On Peak	1,010 MW	
CZB	NYISO	NYISO.MHK_VL_month_off_dap	MHK_VL	Zone	Day Ahead Power	Off Peak	799 MW	
HDQ	NYISO	NYISO.MILLWD_month_on_dac	MILLWD	Zone	Day Ahead Congestion + Energy	On Peak	935 MW	
HDR	NYISO	NYISO.MILLWD_month_off_dac	MILLWD	Zone	Day Ahead Congestion + Energy	Off Peak	750 MW	
CZG	NYISO	NYISO.MILLWD_month_on_dap	MILLWD	Zone	Day Ahead Power	On Peak	935 MW	
CZH	NYISO	NYISO.MILLWD_month_off_dap	MILLWD	Zone	Day Ahead Power	Off Peak	750 MW	
HDU	NYISO	NYISO.N.Y.C._month_on_dac	N.Y.C.	Zone	Day Ahead Congestion + Energy	On Peak	7,010 MW	
HDV	NYISO	NYISO.N.Y.C._month_off_dac	N.Y.C.	Zone	Day Ahead Congestion + Energy	Off Peak	5,462 MW	
CZS	NYISO	NYISO.N.Y.C._month_on_dap	N.Y.C.	Zone	Day Ahead Power	On Peak	7,010 MW	
CZT	NYISO	NYISO.N.Y.C._month_off_dap	N.Y.C.	Zone	Day Ahead Power	Off Peak	5,462 MW	
FTO	NYISO	NYISO.N.Y.C._month_on_rtp	N.Y.C.	Zone	Real Time Power	On Peak	7,010 MW	
FTP	NYISO	NYISO.N.Y.C._month_off_rtp	N.Y.C.	Zone	Real Time Power	Off Peak	5,462 MW	
HEI	NYISO	NYISO.NORTH_month_on_dac	NORTH	Zone	Day Ahead Congestion + Energy	On Peak	694 MW	
HEJ	NYISO	NYISO.NORTH_month_off_dac	NORTH	Zone	Day Ahead Congestion + Energy	Off Peak	657 MW	
DBA	NYISO	NYISO.NORTH_month_on_dap	NORTH	Zone	Day Ahead Power	On Peak	694 MW	
DBB	NYISO	NYISO.NORTH_month_off_dap	NORTH	Zone	Day Ahead Power	Off Peak	657 MW	
GDA	PJM	PJM.AECO_month_on_dac	AECO	Zone	Day Ahead Congestion + Energy	On Peak	1,402 MW	
GDB	PJM	PJM.AECO_month_off_dac	AECO	Zone	Day Ahead Congestion + Energy	Off Peak	1,167 MW	
DLO	PJM	PJM.AECO_month_on_dap	AECO	Zone	Day Ahead Power	On Peak	1,402 MW	
DLP	PJM	PJM.AECO_month_off_dap	AECO	Zone	Day Ahead Power	Off Peak	1,167 MW	
GDC	PJM	PJM.AEP_month_on_dac	AEP	Zone	Day Ahead Congestion + Energy	On Peak	17,250 MW	
GDD	PJM	PJM.AEP_month_off_dac	AEP	Zone	Day Ahead Congestion + Energy	Off Peak	14,585 MW	
DLQ	PJM	PJM.AEP_month_on_dap	AEP	Zone	Day Ahead Power	On Peak	17,250 MW	
DLR	PJM	PJM.AEP_month_off_dap	AEP	Zone	Day Ahead Power	Off Peak	14,585 MW	
GDI	PJM	PJM.APS_month_on_dac	APS	Zone	Day Ahead Congestion + Energy	On Peak	6,014 MW	
GDJ	PJM	PJM.APS_month_off_dac	APS	Zone	Day Ahead Congestion + Energy	Off Peak	5,039 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
DMY	PJM	PJM.APS_month_on_dap	APS	Zone	Day Ahead Power	On Peak	6,014 MW	
DMZ	PJM	PJM.APS_month_off_dap	APS	Zone	Day Ahead Power	Off Peak	5,039 MW	
GDK	PJM	PJM.ATSI_month_on_dac	ATSI	Zone	Day Ahead Congestion + Energy	On Peak	8,718 MW	
GDL	PJM	PJM.ATSI_month_off_dac	ATSI	Zone	Day Ahead Congestion + Energy	Off Peak	7,017 MW	
FZA	PJM	PJM.ATSI_month_on_dap	ATSI	Zone	Day Ahead Power	On Peak	8,718 MW	
FZB	PJM	PJM.ATSI_month_off_dap	ATSI	Zone	Day Ahead Power	Off Peak	7,017 MW	
FZC	PJM	PJM.ATSI_month_on_rtp	ATSI	Zone	Real Time Power	On Peak	8,718 MW	
FZD	PJM	PJM.ATSI_month_off_rtp	ATSI	Zone	Real Time Power	Off Peak	7,017 MW	
GDO	PJM	PJM.BGE_month_on_dac	BGE	Zone	Day Ahead Congestion + Energy	On Peak	4,244 MW	
GDP	PJM	PJM.BGE_month_off_dac	BGE	Zone	Day Ahead Congestion + Energy	Off Peak	3,532 MW	
DPQ	PJM	PJM.BGE_month_on_dap	BGE	Zone	Day Ahead Power	On Peak	4,244 MW	
DPR	PJM	PJM.BGE_month_off_dap	BGE	Zone	Day Ahead Power	Off Peak	3,532 MW	
FRS	PJM	PJM.BGE_month_on_rtp	BGE	Zone	Real Time Power	On Peak	4,244 MW	
FRT	PJM	PJM.BGE_month_off_rtp	BGE	Zone	Real Time Power	Off Peak	3,532 MW	
GEA	PJM	PJM.COMED_month_on_dac	COMED	Zone	Day Ahead Congestion + Energy	On Peak	13,755 MW	
GEB	PJM	PJM.COMED_month_off_dac	COMED	Zone	Day Ahead Congestion + Energy	Off Peak	11,041 MW	
DVO	PJM	PJM.COMED_month_on_dep	COMED	Zone	Day Ahead Power	On Peak	13,755 MW	
DVP	PJM	PJM.COMED_month_off_dap	COMED	Zone	Day Ahead Power	Off Peak	11,041 MW	
FUA	PJM	PJM.COMED_month_on_rtp	COMED	Zone	Real Time Power	On Peak	13,755 MW	
FUB	PJM	PJM.COMED_month_off_rtp	COMED	Zone	Real Time Power	Off Peak	11,041 MW	
GEE	PJM	PJM.DAY_month_on_dac	DAY	Zone	Day Ahead Congestion + Energy	On Peak	2,933 MW	
GEF	PJM	PJM.DAY_month_off_dac	DAY	Zone	Day Ahead Congestion + Energy	Off Peak	2,338 MW	
DYI	PJM	PJM.DAY_month_on_dap	DAY	Zone	Day Ahead Power	On Peak	2,933 MW	
DYJ	PJM	PJM.DAY_month_off_dap	DAY	Zone	Day Ahead Power	Off Peak	2,338 MW	
GEG	PJM	PJM.DEOK_month_on_dac	DEOK	Zone	Day Ahead Congestion + Energy	On Peak	3,386 MW	
GEH	PJM	PJM.DEOK_month_off_dac	DEOK	Zone	Day Ahead Congestion + Energy	Off Peak	2,787 MW	
GAA	PJM	PJM.DEOK_month_on_dap	DEOK	Zone	Day Ahead Power	On Peak	3,386 MW	
GAB	PJM	PJM.DEOK_month_off_dap	DEOK	Zone	Day Ahead Power	Off Peak	2,787 MW	
GEI	PJM	PJM.DOM_month_on_dac	DOM	Zone	Day Ahead Congestion + Energy	On Peak	11,986 MW	
GEJ	PJM	PJM.DOM_month_off_dac	DOM	Zone	Day Ahead Congestion + Energy	Off Peak	9,990 MW	
DZS	PJM	PJM.DOM_month_on_dap	DOM	Zone	Day Ahead Power	On Peak	11,986 MW	
DZT	PJM	PJM.DOM_month_off_dap	DOM	Zone	Day Ahead Power	Off Peak	9,990 MW	
GEK	PJM	PJM.DPL_month_on_dac	DPL	Zone	Day Ahead Congestion + Energy	On Peak	2,404 MW	
GEL	PJM	PJM.DPL_month_off_dac	DPL	Zone	Day Ahead Congestion + Energy	Off Peak	2,005 MW	
EAC	PJM	PJM.DPL_month_on_dap	DPL	Zone	Day Ahead Power	On Peak	2,404 MW	
EAD	PJM	PJM.DPL_month_off_dap	DPL	Zone	Day Ahead Power	Off Peak	2,005 MW	
GEM	PJM	PJM.DUQ_month_on_dac	DUQ	Zone	Day Ahead Congestion + Energy	On Peak	1,892 MW	
GEN	PJM	PJM.DUQ_month_off_dac	DUQ	Zone	Day Ahead Congestion + Energy	Off Peak	1,552 MW	
FJO	PJM	PJM.DUQ_month_on_dap	DUQ	Zone	Day Ahead Power	On Peak	1,892 MW	
FJP	PJM	PJM.DUQ_month_off_dap	DUQ	Zone	Day Ahead Power	Off Peak	1,552 MW	
GEU	PJM	PJM.JCPL_month_on_dac	JCPL	Zone	Day Ahead Congestion + Energy	On Peak	3,054 MW	
GEV	PJM	PJM.JCPL_month_off_dac	JCPL	Zone	Day Ahead Congestion + Energy	Off Peak	2,385 MW	
EJI	PJM	PJM.JCPL_month_on_dap	JCPL	Zone	Day Ahead Power	On Peak	3,054 MW	
EJJ	PJM	PJM.JCPL_month_off_dap	JCPL	Zone	Day Ahead Power	Off Peak	2,385 MW	
FRW	PJM	PJM.JCPL_month_on_rtp	JCPL	Zone	Real Time Power	On Peak	3,054 MW	
FRX	PJM	PJM.JCPL_month_off_rtp	JCPL	Zone	Real Time Power	Off Peak	2,385 MW	
GFE	PJM	PJM.METED_month_on_dac	METED	Zone	Day Ahead Congestion + Energy	On Peak	2,106 MW	
GFF	PJM	PJM.METED_month_off_dac	METED	Zone	Day Ahead Congestion + Energy	Off Peak	1,690 MW	
EOW	PJM	PJM.METED_month_on_dap	METED	Zone	Day Ahead Power	On Peak	2,106 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
EOX	PJM	PJM.METED_month_off_dap	METED	Zone	Day Ahead Power	Off Peak	1,690 MW	
FUI	PJM	PJM.METED_month_on_rtp	METED	Zone	Real Time Power	On Peak	2,106 MW	
FUJ	PJM	PJM.METED_month_off_rtp	METED	Zone	Real Time Power	Off Peak	1,690 MW	
GFQ	PJM	PJM.PECO_month_on_dac	PECO	Zone	Day Ahead Congestion + Energy	On Peak	5,701 MW	
GFR	PJM	PJM.PECO_month_off_dac	PECO	Zone	Day Ahead Congestion + Energy	Off Peak	4,660 MW	
EUY	PJM	PJM.PECO_month_on_dap	PECO	Zone	Day Ahead Power	On Peak	5,701 MW	
EUZ	PJM	PJM.PECO_month_off_dap	PECO	Zone	Day Ahead Power	Off Peak	4,660 MW	
FUK	PJM	PJM.PECO_month_on_rtp	PECO	Zone	Real Time Power	On Peak	5,701 MW	
FUL	PJM	PJM.PECO_month_off_rtp	PECO	Zone	Real Time Power	Off Peak	4,660 MW	
GFS	PJM	PJM.PENELEC_month_on_dac	PENELEC	Zone	Day Ahead Congestion + Energy	On Peak	4,252 MW	
GFT	PJM	PJM.PENELEC_month_off_dac	PENELEC	Zone	Day Ahead Congestion + Energy	Off Peak	3,470 MW	
EVA	PJM	PJM.PENELEC_month_on_dap	PENELEC	Zone	Day Ahead Power	On Peak	4,252 MW	
EVB	PJM	PJM.PENELEC_month_off_dap	PENELEC	Zone	Day Ahead Power	Off Peak	3,470 MW	
GFW	PJM	PJM.PEPCO_month_on_dac	PEPCO	Zone	Day Ahead Congestion + Energy	On Peak	4,074 MW	
GFX	PJM	PJM.PEPCO_month_off_dac	PEPCO	Zone	Day Ahead Congestion + Energy	Off Peak	3,284 MW	
EVG	PJM	PJM.PEPCO_month_on_dap	PEPCO	Zone	Day Ahead Power	On Peak	4,074 MW	
EVH	PJM	PJM.PEPCO_month_off_dap	PEPCO	Zone	Day Ahead Power	Off Peak	3,284 MW	
FRM	PJM	PJM.PEPCO_month_on_rtp	PEPCO	Zone	Real Time Power	On Peak	4,074 MW	
FRN	PJM	PJM.PEPCO_month_off_rtp	PEPCO	Zone	Real Time Power	Off Peak	3,284 MW	
GGE	PJM	PJM.PPL_month_on_dac	PPL	Zone	Day Ahead Congestion + Energy	On Peak	5,694 MW	
GGF	PJM	PJM.PPL_month_off_dac	PPL	Zone	Day Ahead Congestion + Energy	Off Peak	4,610 MW	
EWU	PJM	PJM.PPL_month_on_dap	PPL	Zone	Day Ahead Power	On Peak	5,694 MW	
EWV	PJM	PJM.PPL_month_off_dap	PPL	Zone	Day Ahead Power	Off Peak	4,610 MW	
FUO	PJM	PJM.PPL_month_on_rtp	PPL	Zone	Real Time Power	On Peak	5,694 MW	
FUP	PJM	PJM.PPL_month_off_rtp	PPL	Zone	Real Time Power	Off Peak	4,610 MW	
GGG	PJM	PJM.PSEG_month_on_dac	PSEG	Zone	Day Ahead Congestion + Energy	On Peak	5,878 MW	
GGH	PJM	PJM.PSEG_month_off_dac	PSEG	Zone	Day Ahead Congestion + Energy	Off Peak	4,670 MW	
EXE	PJM	PJM.PSEG_month_on_dap	PSEG	Zone	Day Ahead Power	On Peak	5,878 MW	
EXF	PJM	PJM.PSEG_month_off_dap	PSEG	Zone	Day Ahead Power	Off Peak	4,670 MW	
FRQ	PJM	PJM.PSEG_month_on_rtp	PSEG	Zone	Real Time Power	On Peak	5,878 MW	
FRP	PJM	PJM.PSEG_month_off_rtp	PSEG	Zone	Real Time Power	Off Peak	4,670 MW	
GGI	PJM	PJM.RECO_month_on_dac	RECO	Zone	Day Ahead Congestion + Energy	On Peak	256 MW	
GGJ	PJM	PJM.RECO_month_off_dac	RECO	Zone	Day Ahead Congestion + Energy	Off Peak	188 MW	
EXQ	PJM	PJM.RECO_month_on_dap	RECO	Zone	Day Ahead Power	On Peak	256 MW	
EXR	PJM	PJM.RECO_month_off_dap	RECO	Zone	Day Ahead Power	Off Peak	188 MW	
HVS	ERCOT	ERCOT.LZ_CPS_month_on_rtp	LZ_CPS	Zone	Real Time Power	On Peak	3,920 MW	
HVT	ERCOT	ERCOT.LZ_CPS_month_off_rtp	LZ_CPS	Zone	Real Time Power	Off Peak	3,256 MW	
HMS	CAISO	CAISO.SLAP_PGHB-APND_month_on_dac	SLAP_PGHB-APND	Subzone	Day Ahead Congestion + Energy	On Peak	129 MW	
HMT	CAISO	CAISO.SLAP_PGHB-APND_month_off_dac	SLAP_PGHB-APND	Subzone	Day Ahead Congestion + Energy	Off Peak	107 MW	
AUE	MISO	MISO.AMILAEM.RPGI_month_on_dap	AMILAEM.RPGI	Subzone	Day Ahead Power	On Peak	6,663 MW	
AUF	MISO	MISO.AMILAEM.RPGI_month_off_dap	AMILAEM.RPGI	Subzone	Day Ahead Power	Off Peak	5,500 MW	
AUI	MISO	MISO.AMILAMILSES_month_on_dap	AMILAMILSES	Subzone	Day Ahead Power	On Peak	6,663 MW	
AUJ	MISO	MISO.AMILAMILSES_month_off_dap	AMILAMILSES	Subzone	Day Ahead Power	Off Peak	5,500 MW	
FSQ	MISO	MISO.AMILAMILSES_month_on_rtp	AMILAMILSES	Subzone	Real Time Power	On Peak	6,663 MW	
FSR	MISO	MISO.AMILAMILSES_month_off_rtp	AMILAMILSES	Subzone	Real Time Power	Off Peak	5,500 MW	
ATW	MISO	MISO.AMILBGS6_month_on_dap	AMILBGS6	Subzone	Day Ahead Power	On Peak	6,663 MW	
ATX	MISO	MISO.AMILBGS6_month_off_dap	AMILBGS6	Subzone	Day Ahead Power	Off Peak	5,500 MW	
AUG	MISO	MISO.AMILBGS9_month_on_dap	AMILBGS9	Subzone	Day Ahead Power	On Peak	6,663 MW	
AUH	MISO	MISO.AMILBGS9_month_off_dap	AMILBGS9	Subzone	Day Ahead Power	Off Peak	5,500 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GBQ	MISO	MISO.AMIL.WPSE_month_on_dap	AMIL.WPSE	Subzone	Day Ahead Power	On Peak	6,663 MW	
GBR	MISO	MISO.AMIL.WPSE_month_off_dap	AMIL.WPSE	Subzone	Day Ahead Power	Off Peak	5,500 MW	
BZY	MISO	MISO.AMIL.WPSE.OLIN_month_on_dap	AMIL.WPSE.OLIN	Subzone	Day Ahead Power	On Peak	6,663 MW	
BZZ	MISO	MISO.AMIL.WPSE.OLIN_month_off_dap	AMIL.WPSE.OLIN	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GCK	MISO	MISO.CIN.HAG.AEPM_month_on_dap	CIN.HAG.AEPM	Subzone	Day Ahead Power	On Peak	4,846 MW	
GCL	MISO	MISO.CIN.HAG.AEPM_month_off_dap	CIN.HAG.AEPM	Subzone	Day Ahead Power	Off Peak	4,000 MW	
FYW	MISO	MISO.CONS.LANS_month_on_dap	CONS.LANS	Subzone	Day Ahead Power	On Peak	6,446 MW	
FYX	MISO	MISO.CONS.LANS_month_off_dap	CONS.LANS	Subzone	Day Ahead Power	Off Peak	5,321 MW	
FZO	MISO	MISO.CONS.SESB_month_on_dap	CONS.SESB	Subzone	Day Ahead Power	On Peak	6,446 MW	
FZP	MISO	MISO.CONS.SESB_month_off_dap	CONS.SESB	Subzone	Day Ahead Power	Off Peak	5,321 MW	
BSS	MISO	MISO.CONS.WPSE_month_on_dap	CONS.WPSE	Subzone	Day Ahead Power	On Peak	6,446 MW	
BST	MISO	MISO.CONS.WPSE_month_off_dap	CONS.WPSE	Subzone	Day Ahead Power	Off Peak	5,321 MW	
GCQ	MISO	MISO.DECO.CROS_month_on_dap	DECO.CROS	Subzone	Day Ahead Power	On Peak	7,692 MW	
GCR	MISO	MISO.DECO.CROS_month_off_dap	DECO.CROS	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
GCS	MISO	MISO.DECO.SEBE_month_on_dap	DECO.SEBE	Subzone	Day Ahead Power	On Peak	7,692 MW	
GCT	MISO	MISO.DECO.SEBE_month_off_dap	DECO.SEBE	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
GBU	MISO	MISO.DECO.SESA_month_on_dap	DECO.SESA	Subzone	Day Ahead Power	On Peak	7,692 MW	
GBV	MISO	MISO.DECO.SESA_month_off_dap	DECO.SESA	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
APU	MISO	MISO.DECO.WPSZ_month_on_dap	DECO.WPSZ	Subzone	Day Ahead Power	On Peak	7,692 MW	
APV	MISO	MISO.DECO.WPSZ_month_off_dap	DECO.WPSZ	Subzone	Day Ahead Power	Off Peak	6,350 MW	5,531 MW
BSW	MISO	MISO.GRE.HUC_month_on_dap	GRE.HUC	Subzone	Day Ahead Power	On Peak	1,935 MW	
BSX	MISO	MISO.GRE.HUC_month_off_dap	GRE.HUC	Subzone	Day Ahead Power	Off Peak	1,597 MW	
GCE	MISO	MISO.NSP.AEPM4_month_on_dap	NSP.AEPM4	Subzone	Day Ahead Power	On Peak	6,377 MW	
GCF	MISO	MISO.NSP.AEPM4_month_off_dap	NSP.AEPM4	Subzone	Day Ahead Power	Off Peak	5,264 MW	
CEW	MISO	MISO.NSP.NCPLOAD_month_on_dap	NSP.NCPLOAD	Subzone	Day Ahead Power	On Peak	6,377 MW	
CEX	MISO	MISO.NSP.NCPLOAD_month_off_dap	NSP.NCPLOAD	Subzone	Day Ahead Power	Off Peak	5,264 MW	
FYU	MISO	MISO.NSP.NU_month_on_dap	NSP.NU	Subzone	Day Ahead Power	On Peak	6,377 MW	
FYV	MISO	MISO.NSP.NU_month_off_dap	NSP.NU	Subzone	Day Ahead Power	Off Peak	5,264 MW	
CJG	MISO	MISO.OTP.NSP_month_on_dap	OTP.NSP	Subzone	Day Ahead Power	On Peak	891 MW	
CJH	MISO	MISO.OTP.NSP_month_off_dap	OTP.NSP	Subzone	Day Ahead Power	Off Peak	735 MW	
GAE	MISO	MISO.UPPC.ESC_month_on_dap	UPPC.ESC	Subzone	Day Ahead Power	On Peak	82 MW	
GAF	MISO	MISO.UPPC.ESC_month_off_dap	UPPC.ESC	Subzone	Day Ahead Power	Off Peak	68 MW	55 MW
GLO	MISO	MISO.UPPC.INTEGRATD_month_on_dap	UPPC.INTEGRATD	Subzone	Day Ahead Power	On Peak	82 MW	
GLP	MISO	MISO.UPPC.INTEGRATD_month_off_dap	UPPC.INTEGRATD	Subzone	Day Ahead Power	Off Peak	68 MW	55 MW
GLQ	MISO	MISO.WEC.N_month_on_dap	WEC.N	Subzone	Day Ahead Power	On Peak	4,915 MW	
GLR	MISO	MISO.WEC.N_month_off_dap	WEC.N	Subzone	Day Ahead Power	Off Peak	4,057 MW	
GAC	MISO	MISO.WPS.GLU_month_on_dap	WPS.GLU	Subzone	Day Ahead Power	On Peak	1,773 MW	
GAD	MISO	MISO.WPS.GLU_month_off_dap	WPS.GLU	Subzone	Day Ahead Power	Off Peak	1,464 MW	
GMA	MISO_RTO	MISO_RTO.AMIL.AMILSES_month_on_dac	AMIL.AMILSES	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMB	MISO_RTO	MISO_RTO.AMIL.AMILSES_month_off_dac	AMIL.AMILSES	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXG	MISO_RTO	MISO_RTO.AMIL.AMILSES_month_on_dap	AMIL.AMILSES	Subzone	Day Ahead Power	On Peak	6,663 MW	
FXH	MISO_RTO	MISO_RTO.AMIL.AMILSES_month_off_dap	AMIL.AMILSES	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GMC	MISO_RTO	MISO_RTO.AMIL.BGS6_month_on_dac	AMIL.BGS6	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMD	MISO_RTO	MISO_RTO.AMIL.BGS6_month_off_dac	AMIL.BGS6	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXI	MISO_RTO	MISO_RTO.AMIL.BGS6_month_on_dap	AMIL.BGS6	Subzone	Day Ahead Power	On Peak	6,663 MW	
FXJ	MISO_RTO	MISO_RTO.AMIL.BGS6_month_off_dap	AMIL.BGS6	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GME	MISO_RTO	MISO_RTO.AMIL.BGS9_month_on_dac	AMIL.BGS9	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMF	MISO_RTO	MISO_RTO.AMIL.BGS9_month_off_dac	AMIL.BGS9	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FKK	MISO_RTO	MISO_RTO.AMIL.BGS9_month_on_dap	AMIL.BGS9	Subzone	Day Ahead Power	On Peak	6,663 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
FXL	MISO_RTO	MISO_RTO.AMIL.BGS9_month_off_dap	AMIL.BGS9	Subzone	Day Ahead Power	Off Peak	5,500 MW	
HJU	MISO_RTO	MISO_RTO.AMIL.BRICKYARD_month_on_dac	AMIL.BRICKYARD	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
HJV	MISO_RTO	MISO_RTO.AMIL.BRICKYARD_month_off_dac	AMIL.BRICKYARD	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
GNV	MISO_RTO	MISO_RTO.AMIL.IP_month_on_dac	AMIL.IP	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GNZ	MISO_RTO	MISO_RTO.AMIL.IP_month_off_dac	AMIL.IP	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
FXV	MISO_RTO	MISO_RTO.AMIL.IP_month_on_dap	AMIL.IP	Subzone	Day Ahead Power	On Peak	6,663 MW	
FXZ	MISO_RTO	MISO_RTO.AMIL.IP_month_off_dap	AMIL.IP	Subzone	Day Ahead Power	Off Peak	5,500 MW	
GPG	MISO_RTO	MISO_RTO.AMIL.WPSE_month_on_dac	AMIL.WPSE	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GPH	MISO_RTO	MISO_RTO.AMIL.WPSE_month_off_dac	AMIL.WPSE	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
GMG	MISO_RTO	MISO_RTO.AMIL.WPSE.OLIN_month_on_dac	AMIL.WPSE.OLIN	Subzone	Day Ahead Congestion + Energy	On Peak	6,663 MW	
GMH	MISO_RTO	MISO_RTO.AMIL.WPSE.OLIN_month_off_dac	AMIL.WPSE.OLIN	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
GPO	MISO_RTO	MISO_RTO.CONS.WPSE_month_on_dac	CONS.WPSE	Subzone	Day Ahead Congestion + Energy	On Peak	6,446 MW	
GPP	MISO_RTO	MISO_RTO.CONS.WPSE_month_off_dac	CONS.WPSE	Subzone	Day Ahead Congestion + Energy	Off Peak	5,321 MW	
GPV	MISO_RTO	MISO_RTO.DPC.NSPLoad_month_on_dac	DPC.NSPLoad	Subzone	Day Ahead Congestion + Energy	On Peak	698 MW	
GPZ	MISO_RTO	MISO_RTO.DPC.NSPLoad_month_off_dac	DPC.NSPLoad	Subzone	Day Ahead Congestion + Energy	Off Peak	576 MW	546 MW
HUG	MISO_RTO	MISO_RTO.MOGEN1.AGG_month_on_dac	MOGEN1.AGG	Subzone	Day Ahead Congestion + Energy	On Peak	5,772 MW	
HUH	MISO_RTO	MISO_RTO.MOGEN1.AGG_month_off_dac	MOGEN1.AGG	Subzone	Day Ahead Congestion + Energy	Off Peak	4,765 MW	4,633 MW
GVC	MISO_RTO	MISO_RTO.NIPS.BENTONCO_month_on_dac	NIPS.BENTONCO	Subzone	Day Ahead Congestion + Energy	On Peak	2,064 MW	
GVD	MISO_RTO	MISO_RTO.NIPS.BENTONCO_month_off_dac	NIPS.BENTONCO	Subzone	Day Ahead Congestion + Energy	Off Peak	1,704 MW	1,537 MW
HKG	MISO_RTO	MISO_RTO.NIPS.IMPA_1.AZ_month_on_dac	NIPS.IMPA_1.AZ	Subzone	Day Ahead Congestion + Energy	On Peak	2,064 MW	
HKH	MISO_RTO	MISO_RTO.NIPS.IMPA_1.AZ_month_off_dac	NIPS.IMPA_1.AZ	Subzone	Day Ahead Congestion + Energy	Off Peak	1,704 MW	1,537 MW
GMQ	MISO_RTO	MISO_RTO.NSP.AEPM4_month_on_dac	NSP.AEPM4	Subzone	Day Ahead Congestion + Energy	On Peak	6,377 MW	
GMR	MISO_RTO	MISO_RTO.NSP.AEPM4_month_off_dac	NSP.AEPM4	Subzone	Day Ahead Congestion + Energy	Off Peak	5,264 MW	
GBW	MISO_RTO	MISO_RTO.NSP.AEPM4_month_on_dap	NSP.AEPM4	Subzone	Day Ahead Power	On Peak	6,377 MW	
GBX	MISO_RTO	MISO_RTO.NSP.AEPM4_month_off_dap	NSP.AEPM4	Subzone	Day Ahead Power	Off Peak	5,264 MW	
GQC	MISO_RTO	MISO_RTO.NSP.NU_month_on_dac	NSP.NU	Subzone	Day Ahead Congestion + Energy	On Peak	6,377 MW	
GQD	MISO_RTO	MISO_RTO.NSP.NU_month_off_dac	NSP.NU	Subzone	Day Ahead Congestion + Energy	Off Peak	5,264 MW	
GNM	MISO_RTO	MISO_RTO.NSP.OTP_month_on_dac	NSP.OTP	Subzone	Day Ahead Congestion + Energy	On Peak	6,377 MW	
GNN	MISO_RTO	MISO_RTO.NSP.OTP_month_off_dac	NSP.OTP	Subzone	Day Ahead Congestion + Energy	Off Peak	5,264 MW	
FYV	MISO_RTO	MISO_RTO.WPS.MPU_month_on_dap	WPS.MPU	Subzone	Day Ahead Power	On Peak	1,773 MW	
FYZ	MISO_RTO	MISO_RTO.WPS.MPU_month_off_dap	WPS.MPU	Subzone	Day Ahead Power	Off Peak	1,464 MW	
GQY	MISO_RTO	MISO_RTO.WR.MOWR_month_on_dac	WR.MOWR	Subzone	Day Ahead Congestion + Energy	On Peak	3,620 MW	
GQZ	MISO_RTO	MISO_RTO.WR.MOWR_month_off_dac	WR.MOWR	Subzone	Day Ahead Congestion + Energy	Off Peak	2,989 MW	
GDS	PJM	PJM.BRUNSWICK_month_on_dac	BRUNSWICK	Subzone	Day Ahead Congestion + Energy	On Peak	714 MW	
GDT	PJM	PJM.BRUNSWICK_month_off_dac	BRUNSWICK	Subzone	Day Ahead Congestion + Energy	Off Peak	714 MW	
GVV	PJM	PJM.CPP_month_on_dac	CPP	Subzone	Day Ahead Congestion + Energy	On Peak	150 MW	
GVZ	PJM	PJM.CPP_month_off_dac	CPP	Subzone	Day Ahead Congestion + Energy	Off Peak	123 MW	
GKU	PJM	PJM.DECAM_COAL_GEN_month_on_dac	DECAM_COAL_GEN	Subzone	Day Ahead Congestion + Energy	On Peak	9,233 MW	
GKV	PJM	PJM.DECAM_COAL_GEN_month_off_dac	DECAM_COAL_GEN	Subzone	Day Ahead Congestion + Energy	Off Peak	9,233 MW	
GKW	PJM	PJM.DECAM_GAS_GEN_month_on_dac	DECAM_GAS_GEN	Subzone	Day Ahead Congestion + Energy	On Peak	2,599 MW	
GKX	PJM	PJM.DECAM_GAS_GEN_month_off_dac	DECAM_GAS_GEN	Subzone	Day Ahead Congestion + Energy	Off Peak	2,599 MW	
HQU	PJM	PJM.DEK_month_on_dac	DEK	Subzone	Day Ahead Congestion + Energy	On Peak	501 MW	
HQV	PJM	PJM.DEK_month_off_dac	DEK	Subzone	Day Ahead Congestion + Energy	Off Peak	411 MW	
HQS	PJM	PJM.DEK_month_on_dap	DEK	Subzone	Day Ahead Power	On Peak	501 MW	
HQT	PJM	PJM.DEK_month_off_dap	DEK	Subzone	Day Ahead Power	Off Peak	411 MW	
GHI	PJM	PJM.DPL_NORTH_month_on_dac	DPL_NORTH	Subzone	Day Ahead Congestion + Energy	On Peak	1,010 MW	
GHJ	PJM	PJM.DPL_NORTH_month_off_dac	DPL_NORTH	Subzone	Day Ahead Congestion + Energy	Off Peak	862 MW	
HTQ	PJM	PJM.DPL_SOUTH_month_on_dac	DPL_SOUTH	Subzone	Day Ahead Congestion + Energy	On Peak	1,394 MW	
HTR	PJM	PJM.DPL_SOUTH_month_off_dac	DPL_SOUTH	Subzone	Day Ahead Congestion + Energy	Off Peak	1,163 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GEQ	PJM	PJM.EASTON_month_on_dac	EASTON	Subzone	Day Ahead Congestion + Energy	On Peak	37 MW	
GER	PJM	PJM.EASTON_month_off_dac	EASTON	Subzone	Day Ahead Congestion + Energy	Off Peak	31 MW	
EAU	PJM	PJM.EASTON_month_on_dap	EASTON	Subzone	Day Ahead Power	On Peak	37 MW	
EAV	PJM	PJM.EASTON_month_off_dap	EASTON	Subzone	Day Ahead Power	Off Peak	31 MW	
DIO	PJM	PJM.ELGIN EC3_month_on_dap	ELGIN EC3	Subzone	Day Ahead Power	On Peak	540 MW	
DIP	PJM	PJM.ELGIN EC3_month_off_dap	ELGIN EC3	Subzone	Day Ahead Power	Off Peak	540 MW	
GHO	PJM	PJM.FE OHIO_month_on_dac	FE OHIO	Subzone	Day Ahead Congestion + Energy	On Peak	8,021 MW	
GHP	PJM	PJM.FE OHIO_month_off_dac	FE OHIO	Subzone	Day Ahead Congestion + Energy	Off Peak	6,456 MW	
FWW	PJM	PJM.FE OHIO_month_on_dap	FE OHIO	Subzone	Day Ahead Power	On Peak	8,021 MW	
FWX	PJM	PJM.FE OHIO_month_off_dap	FE OHIO	Subzone	Day Ahead Power	Off Peak	6,456 MW	
EMA	PJM	PJM.LIDA - AP_month_on_dap	LIDA - AP	Subzone	Day Ahead Power	On Peak	138 MW	
EMB	PJM	PJM.LIDA - AP_month_off_dap	LIDA - AP	Subzone	Day Ahead Power	Off Peak	138 MW	
GIE	PJM	PJM.MON POWER_month_on_dac	MON POWER	Subzone	Day Ahead Congestion + Energy	On Peak	1,373 MW	
GIF	PJM	PJM.MON POWER_month_off_dac	MON POWER	Subzone	Day Ahead Congestion + Energy	Off Peak	1,127 MW	
GFU	PJM	PJM.PENN POWER_month_on_dac	PENN POWER	Subzone	Day Ahead Congestion + Energy	On Peak	697 MW	
GFV	PJM	PJM.PENN POWER_month_off_dac	PENN POWER	Subzone	Day Ahead Congestion + Energy	Off Peak	561 MW	
FWM	PJM	PJM.PENN POWER_month_on_dap	PENN POWER	Subzone	Day Ahead Power	On Peak	697 MW	
FWN	PJM	PJM.PENN POWER_month_off_dap	PENN POWER	Subzone	Day Ahead Power	Off Peak	561 MW	
GFY	PJM	PJM.PEPCO DC_month_on_dac	PEPCO DC	Subzone	Day Ahead Congestion + Energy	On Peak	1,141 MW	
GFZ	PJM	PJM.PEPCO DC_month_off_dac	PEPCO DC	Subzone	Day Ahead Congestion + Energy	Off Peak	920 MW	
EVI	PJM	PJM.PEPCO DC_month_on_dap	PEPCO DC	Subzone	Day Ahead Power	On Peak	1,141 MW	
EVJ	PJM	PJM.PEPCO DC_month_off_dap	PEPCO DC	Subzone	Day Ahead Power	Off Peak	920 MW	
SGA	PJM	PJM.PEPCO MD_month_on_dac	PEPCO MD	Subzone	Day Ahead Congestion + Energy	On Peak	2,281 MW	
GGB	PJM	PJM.PEPCO MD_month_off_dac	PEPCO MD	Subzone	Day Ahead Congestion + Energy	Off Peak	1,839 MW	
EVK	PJM	PJM.PEPCO MD_month_on_dap	PEPCO MD	Subzone	Day Ahead Power	On Peak	2,281 MW	
EVL	PJM	PJM.PEPCO MD_month_off_dap	PEPCO MD	Subzone	Day Ahead Power	Off Peak	1,839 MW	
GGC	PJM	PJM.PEPCO SMECO_month_on_dac	PEPCO SMECO	Subzone	Day Ahead Congestion + Energy	On Peak	652 MW	
GGD	PJM	PJM.PEPCO SMECO_month_off_dac	PEPCO SMECO	Subzone	Day Ahead Congestion + Energy	Off Peak	525 MW	
GGO	PJM	PJM.UGI_month_on_dac	UGI	Subzone	Day Ahead Congestion + Energy	On Peak	171 MW	
GGP	PJM	PJM.UGI_month_off_dac	UGI	Subzone	Day Ahead Congestion + Energy	Off Peak	138 MW	
HRU	MISO_RTO	MISO_RTO.AMILIP.AZ_month_on_dac	AMILIP.AZ	Subzone	Day Ahead Congestion + Energy	On Peak	6,664 MW	
HRV	MISO_RTO	MISO_RTO.AMILIP.AZ_month_off_dac	AMILIP.AZ	Subzone	Day Ahead Congestion + Energy	Off Peak	5,500 MW	
HKW	CAISO	CAISO.TH_SP15_GEN-APND_month_on_dac	TH_SP15_GEN-APND	Main Hub	Day Ahead Congestion + Energy	On Peak	27,737 MW	
HKX	CAISO	CAISO.TH_SP15_GEN-APND_month_off_dac	TH_SP15_GEN-APND	Main Hub	Day Ahead Congestion + Energy	Off Peak	24,281 MW	
FQW	CAISO	CAISO.TH_SP15_GEN-APND_month_on_dap	TH_SP15_GEN-APND	Main Hub	Day Ahead Power	On Peak	27,737 MW	
FQX	CAISO	CAISO.TH_SP15_GEN-APND_month_off_dap	TH_SP15_GEN-APND	Main Hub	Day Ahead Power	Off Peak	24,281 MW	
FVE	ERCOT	ERCOT.HB_NORTH_month_on_dap	HB_NORTH	Main Hub	Day Ahead Power	On Peak	27,930 MW	
FVF	ERCOT	ERCOT.HB_NORTH_month_off_dap	HB_NORTH	Main Hub	Day Ahead Power	Off Peak	26,604 MW	
GAN	ERCOT	ERCOT.HB_NORTH_month_7x8_dap	HB_NORTH	Main Hub	Day Ahead Power	7x8 Off Peak	22,764 MW	
GAM	ERCOT	ERCOT.HB_NORTH_month_2x16_dap	HB_NORTH	Main Hub	Day Ahead Power	2x16 PeakWE	26,604 MW	
FOK	ERCOT	ERCOT.HB_NORTH_month_on_rtp	HB_NORTH	Main Hub	Real Time Power	On Peak	27,930 MW	
FOL	ERCOT	ERCOT.HB_NORTH_month_off_rtp	HB_NORTH	Main Hub	Real Time Power	Off Peak	26,604 MW	
GBD	ERCOT	ERCOT.HB_NORTH_month_7x8_rtp	HB_NORTH	Main Hub	Real Time Power	7x8 Off Peak	22,764 MW	
GBC	ERCOT	ERCOT.HB_NORTH_month_2x16_rtp	HB_NORTH	Main Hub	Real Time Power	2x16 PeakWE	26,604 MW	
HPE	ISONE	ISONE.H.INTERNAL_HUB_month_on_dac	.H.INTERNAL_HUB	Main Hub	Day Ahead Congestion + Energy	On Peak	27,334 MW	
HPF	ISONE	ISONE.H.INTERNAL_HUB_month_off_dac	.H.INTERNAL_HUB	Main Hub	Day Ahead Congestion + Energy	Off Peak	22,780 MW	
AAA	ISONE	ISONE.H.INTERNAL_HUB_month_on_dap	.H.INTERNAL_HUB	Main Hub	Day Ahead Power	On Peak	27,334 MW	
AAB	ISONE	ISONE.H.INTERNAL_HUB_month_off_dap	.H.INTERNAL_HUB	Main Hub	Day Ahead Power	Off Peak	22,780 MW	
FRY	ISONE	ISONE.H.INTERNAL_HUB_month_on_rtp	.H.INTERNAL_HUB	Main Hub	Real Time Power	On Peak	27,334 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
FRZ	ISONE	ISONE.H.INTERNAL_HUB_month_off_rtp	.H.INTERNAL_HUB	Main Hub	Real Time Power	Off Peak	22,780 MW	
BFI	MISO	MISO.INDIANA.HUB_month_on_dap	INDIANA.HUB	Main Hub	Day Ahead Power	On Peak	7,696 MW	
BFJ	MISO	MISO.INDIANA.HUB_month_off_dap	INDIANA.HUB	Main Hub	Day Ahead Power	Off Peak	6,721 MW	
FJY	MISO	MISO.INDIANA.HUB_month_on_rtp	INDIANA.HUB	Main Hub	Real Time Power	On Peak	7,696 MW	
FJZ	MISO	MISO.INDIANA.HUB_month_off_rtp	INDIANA.HUB	Main Hub	Real Time Power	Off Peak	6,721 MW	
GMK	MISO_RTO	MISO_RTO.INDIANA.HUB_month_on_dac	INDIANA.HUB	Main Hub	Day Ahead Congestion + Energy	On Peak	7,696 MW	
GML	MISO_RTO	MISO_RTO.INDIANA.HUB_month_off_dac	INDIANA.HUB	Main Hub	Day Ahead Congestion + Energy	Off Peak	6,721 MW	
FXM	MISO_RTO	MISO_RTO.INDIANA.HUB_month_on_dap	INDIANA.HUB	Main Hub	Day Ahead Power	On Peak	7,696 MW	
FXN	MISO_RTO	MISO_RTO.INDIANA.HUB_month_off_dap	INDIANA.HUB	Main Hub	Day Ahead Power	Off Peak	6,721 MW	
FXO	MISO_RTO	MISO_RTO.INDIANA.HUB_month_on_rtp	INDIANA.HUB	Main Hub	Real Time Power	On Peak	7,696 MW	
FXP	MISO_RTO	MISO_RTO.INDIANA.HUB_month_off_rtp	INDIANA.HUB	Main Hub	Real Time Power	Off Peak	6,721 MW	
HGO	NYISO	NYISO.WEST_month_on_dac	WEST	Main Hub	Day Ahead Congestion + Energy	On Peak	2,165 MW	
HGP	NYISO	NYISO.WEST_month_off_dac	WEST	Main Hub	Day Ahead Congestion + Energy	Off Peak	1,788 MW	
DEU	NYISO	NYISO.WEST_month_on_dap	WEST	Main Hub	Day Ahead Power	On Peak	2,165 MW	
DEV	NYISO	NYISO.WEST_month_off_dap	WEST	Main Hub	Day Ahead Power	Off Peak	1,788 MW	
FTS	NYISO	NYISO.WEST_month_on_rtp	WEST	Main Hub	Real Time Power	On Peak	2,165 MW	
FTT	NYISO	NYISO.WEST_month_off_rtp	WEST	Main Hub	Real Time Power	Off Peak	1,788 MW	
GGQ	PJM	PJM.WESTERN_HUB_month_on_dac	WESTERN_HUB	Main Hub	Day Ahead Congestion + Energy	On Peak	33,228 MW	
GGR	PJM	PJM.WESTERN_HUB_month_off_dac	WESTERN_HUB	Main Hub	Day Ahead Congestion + Energy	Off Peak	30,989 MW	
FHK	PJM	PJM.WESTERN_HUB_month_on_dap	WESTERN_HUB	Main Hub	Day Ahead Power	On Peak	33,228 MW	
FHL	PJM	PJM.WESTERN_HUB_month_off_dap	WESTERN_HUB	Main Hub	Day Ahead Power	Off Peak	30,989 MW	
GBZ	PJM	PJM.WESTERN_HUB_month_7x8_dap	WESTERN_HUB	Main Hub	Day Ahead Power	7x8 Off Peak	25,800 MW	
GBY	PJM	PJM.WESTERN_HUB_month_2x16_dap	WESTERN_HUB	Main Hub	Day Ahead Power	2x16 PeakWE	30,989 MW	
FKE	PJM	PJM.WESTERN_HUB_month_on_rtp	WESTERN_HUB	Main Hub	Real Time Power	On Peak	33,228 MW	
FKF	PJM	PJM.WESTERN_HUB_month_off_rtp	WESTERN_HUB	Main Hub	Real Time Power	Off Peak	30,989 MW	
GCB	PJM	PJM.WESTERN_HUB_month_7x8_rtp	WESTERN_HUB	Main Hub	Real Time Power	7x8 Off Peak	25,800 MW	
GCA	PJM	PJM.WESTERN_HUB_month_2x16_rtp	WESTERN_HUB	Main Hub	Real Time Power	2x16 PeakWE	30,989 MW	
HLG	CAISO	CAISO.CAPTJACK_5_N015_month_on_dac	CAPTJACK_5_N015	Interface	Day Ahead Congestion + Energy	On Peak	3,829 MW	
HLH	CAISO	CAISO.CAPTJACK_5_N015_month_off_dac	CAPTJACK_5_N015	Interface	Day Ahead Congestion + Energy	Off Peak	3,829 MW	
HOE	CAISO	CAISO.CAPTJACK_5_N512_month_on_dac	CAPTJACK_5_N512	Interface	Day Ahead Congestion + Energy	On Peak	31 MW	
HOF	CAISO	CAISO.CAPTJACK_5_N512_month_off_dac	CAPTJACK_5_N512	Interface	Day Ahead Congestion + Energy	Off Peak	31 MW	
HOY	CAISO	CAISO.CRAGVIEW_1_GN001_month_on_dac	CRAGVIEW_1_GN001	Interface	Day Ahead Congestion + Energy	On Peak	56 MW	
HOZ	CAISO	CAISO.CRAGVIEW_1_GN001_month_off_dac	CRAGVIEW_1_GN001	Interface	Day Ahead Congestion + Energy	Off Peak	56 MW	
HLI	CAISO	CAISO.DEVERS_2_B2_month_on_dac	DEVERS_2_B2	Interface	Day Ahead Congestion + Energy	On Peak	2,966 MW	
HJI	CAISO	CAISO.DEVERS_2_B2_month_off_dac	DEVERS_2_B2	Interface	Day Ahead Congestion + Energy	Off Peak	2,966 MW	
HUE	CAISO	CAISO.ELCENTRO_2_N001_month_on_dac	ELCENTRO_2_N001	Interface	Day Ahead Congestion + Energy	On Peak	239 MW	
HUF	CAISO	CAISO.ELCENTRO_2_N001_month_off_dac	ELCENTRO_2_N001	Interface	Day Ahead Congestion + Energy	Off Peak	239 MW	
HLK	CAISO	CAISO.FOURCORN_5_N501_month_on_dac	FOURCORN_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	1,645 MW	
HLL	CAISO	CAISO.FOURCORN_5_N501_month_off_dac	FOURCORN_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	1,645 MW	
HLM	CAISO	CAISO.IMPRLVLY_2_B2_month_on_dac	IMPRLVLY_2_B2	Interface	Day Ahead Congestion + Energy	On Peak	3,628 MW	
HLN	CAISO	CAISO.IMPRLVLY_2_B2_month_off_dac	IMPRLVLY_2_B2	Interface	Day Ahead Congestion + Energy	Off Peak	3,628 MW	
HLO	CAISO	CAISO.INTERMIG_7_N501_month_on_dac	INTERMIG_7_N501	Interface	Day Ahead Congestion + Energy	On Peak	728 MW	
HLP	CAISO	CAISO.INTERMIG_7_N501_month_off_dac	INTERMIG_7_N501	Interface	Day Ahead Congestion + Energy	Off Peak	728 MW	
HLQ	CAISO	CAISO.MALIN_5_N101_month_on_dac	MALIN_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	3,068 MW	
HLR	CAISO	CAISO.MALIN_5_N101_month_off_dac	MALIN_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	3,068 MW	
HL5	CAISO	CAISO.MARKETPL_5_N501_month_on_dac	MARKETPL_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	605 MW	
HLT	CAISO	CAISO.MARKETPL_5_N501_month_off_dac	MARKETPL_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	605 MW	
HNO	CAISO	CAISO.MCCULLGH_5_N101_month_on_dac	MCCULLGH_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	2,598 MW	
HNP	CAISO	CAISO.MCCULLGH_5_N101_month_off_dac	MCCULLGH_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	2,598 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HLU	CAISO	CAISO.MEADS_2_N101_month_on_dac	MEADS_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	1,860 MW	
HLV	CAISO	CAISO.MEADS_2_N101_month_off_dac	MEADS_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	1,860 MW	
HOQ	CAISO	CAISO.MEAD_5_N501_month_on_dac	MEAD_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HOR	CAISO	CAISO.MEAD_5_N501_month_off_dac	MEAD_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
HLW	CAISO	CAISO.MERCHANT_2_N101_month_on_dac	MERCHANT_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	797 MW	
HLX	CAISO	CAISO.MERCHANT_2_N101_month_off_dac	MERCHANT_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	797 MW	
HLZ	CAISO	CAISO.MIDWAY_5_B1_month_on_dac	MIDWAY_5_B1	Interface	Day Ahead Congestion + Energy	On Peak	9,070 MW	
HLZ	CAISO	CAISO.MIDWAY_5_B1_month_off_dac	MIDWAY_5_B1	Interface	Day Ahead Congestion + Energy	Off Peak	9,070 MW	
HME	CAISO	CAISO.MOENKOPI_5_N101_month_on_dac	MOENKOPI_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	1,412 MW	
HMF	CAISO	CAISO.MOENKOPI_5_N101_month_off_dac	MOENKOPI_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	1,412 MW	
HMG	CAISO	CAISO.MONA_3_N501_month_on_dac	MONA_3_N501	Interface	Day Ahead Congestion + Energy	On Peak	303 MW	
HMH	CAISO	CAISO.MONA_3_N501_month_off_dac	MONA_3_N501	Interface	Day Ahead Congestion + Energy	Off Peak	303 MW	
HOA	CAISO	CAISO.NGILA1_5_N001_month_on_dac	NGILA1_5_N001	Interface	Day Ahead Congestion + Energy	On Peak	366 MW	
HOB	CAISO	CAISO.NGILA1_5_N001_month_off_dac	NGILA1_5_N001	Interface	Day Ahead Congestion + Energy	Off Peak	366 MW	
HMK	CAISO	CAISO.PALOVRDE_ASR-APND_month_on_dac	PALOVRDE_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	3,328 MW	
HML	CAISO	CAISO.PALOVRDE_ASR-APND_month_off_dac	PALOVRDE_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	3,328 MW	
FQA	CAISO	CAISO.PALOVRDE_ASR-APND_month_on_dap	PALOVRDE_ASR-APND	Interface	Day Ahead Power	On Peak	3,328 MW	
FQB	CAISO	CAISO.PALOVRDE_ASR-APND_month_off_dap	PALOVRDE_ASR-APND	Interface	Day Ahead Power	Off Peak	3,328 MW	
HMQ	CAISO	CAISO.ROA-230_2_N101_month_on_dac	ROA-230_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	800 MW	
HMR	CAISO	CAISO.ROA-230_2_N101_month_off_dac	ROA-230_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	800 MW	
HMU	CAISO	CAISO.SLVRPS2_7_N001_month_on_dac	SLVRPS2_7_N001	Interface	Day Ahead Congestion + Energy	On Peak	14 MW	
HMV	CAISO	CAISO.SLVRPS2_7_N001_month_off_dac	SLVRPS2_7_N001	Interface	Day Ahead Congestion + Energy	Off Peak	14 MW	
HMW	CAISO	CAISO.SMDA_ASR-APND_month_on_dac	SMDA_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	3,829 MW	
HMX	CAISO	CAISO.SMDA_ASR-APND_month_off_dac	SMDA_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	3,829 MW	
HOU	CAISO	CAISO.SMDH_ASR-APND_month_on_dac	SMDH_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	31 MW	
HOV	CAISO	CAISO.SMDH_ASR-APND_month_off_dac	SMDH_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	31 MW	
HOM	CAISO	CAISO.SUMMIT_ASR-APND_month_on_dac	SUMMIT_ASR-APND	Interface	Day Ahead Congestion + Energy	On Peak	60 MW	
HON	CAISO	CAISO.SUMMIT_ASR-APND_month_off_dac	SUMMIT_ASR-APND	Interface	Day Ahead Congestion + Energy	Off Peak	60 MW	
HNA	CAISO	CAISO.SYLMARDC_2_N501_month_on_dac	SYLMARDC_2_N501	Interface	Day Ahead Congestion + Energy	On Peak	1,219 MW	
HN8	CAISO	CAISO.SYLMARDC_2_N501_month_off_dac	SYLMARDC_2_N501	Interface	Day Ahead Congestion + Energy	Off Peak	1,219 MW	
HNC	CAISO	CAISO.SYLMARS_2_B1_month_on_dac	SYLMARS_2_B1	Interface	Day Ahead Congestion + Energy	On Peak	3,100 MW	
HND	CAISO	CAISO.SYLMARS_2_B1_month_off_dac	SYLMARS_2_B1	Interface	Day Ahead Congestion + Energy	Off Peak	3,100 MW	
HNE	CAISO	CAISO.TJI-230_2_N101_month_on_dac	TJI-230_2_N101	Interface	Day Ahead Congestion + Energy	On Peak	800 MW	
HNF	CAISO	CAISO.TJI-230_2_N101_month_off_dac	TJI-230_2_N101	Interface	Day Ahead Congestion + Energy	Off Peak	800 MW	
HNG	CAISO	CAISO.VICTORVL_5_N101_month_on_dac	VICTORVL_5_N101	Interface	Day Ahead Congestion + Energy	On Peak	2,400 MW	
HNH	CAISO	CAISO.VICTORVL_5_N101_month_off_dac	VICTORVL_5_N101	Interface	Day Ahead Congestion + Energy	Off Peak	2,400 MW	
HNI	CAISO	CAISO.VINCENT_5_B2_month_on_dac	VINCENT_5_B2	Interface	Day Ahead Congestion + Energy	On Peak	6,594 MW	
HNJ	CAISO	CAISO.VINCENT_5_B2_month_off_dac	VINCENT_5_B2	Interface	Day Ahead Congestion + Energy	Off Peak	6,594 MW	
HNK	CAISO	CAISO.WESTWING_5_N501_month_on_dac	WESTWING_5_N501	Interface	Day Ahead Congestion + Energy	On Peak	181 MW	
HNL	CAISO	CAISO.WESTWING_5_N501_month_off_dac	WESTWING_5_N501	Interface	Day Ahead Congestion + Energy	Off Peak	181 MW	
GYK	ERCOT	ERCOT.DC_E_month_on_dap	DC_E	Interface	Day Ahead Power	On Peak	600 MW	
GYL	ERCOT	ERCOT.DC_E_month_off_dap	DC_E	Interface	Day Ahead Power	Off Peak	600 MW	
GYM	ERCOT	ERCOT.DC_E_month_7x8_dap	DC_E	Interface	Day Ahead Power	7x8 Off Peak	600 MW	
GYN	ERCOT	ERCOT.DC_E_month_2x16_dap	DC_E	Interface	Day Ahead Power	2x16 PeakWE	600 MW	
GYG	ERCOT	ERCOT.DC_N_month_on_dap	DC_N	Interface	Day Ahead Power	On Peak	220 MW	
GYH	ERCOT	ERCOT.DC_N_month_off_dap	DC_N	Interface	Day Ahead Power	Off Peak	220 MW	
GYI	ERCOT	ERCOT.DC_N_month_7x8_dap	DC_N	Interface	Day Ahead Power	7x8 Off Peak	220 MW	
GYJ	ERCOT	ERCOT.DC_N_month_2x16_dap	DC_N	Interface	Day Ahead Power	2x16 PeakWE	220 MW	
GYC	ERCOT	ERCOT.DC_R_month_on_dap	DC_R	Interface	Day Ahead Power	On Peak	150 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GYD	ERCOT	ERCOT.DC_R_month_off_dap	DC_R	Interface	Day Ahead Power	Off Peak	150 MW	
GYE	ERCOT	ERCOT.DC_R_month_7x8_dap	DC_R	Interface	Day Ahead Power	7x8 Off Peak	150 MW	
GYF	ERCOT	ERCOT.DC_R_month_2x16_dap	DC_R	Interface	Day Ahead Power	2x16 PeakWE	150 MW	
HPY	ISONE	ISONE.ID.SANDY_PD345 SMDINTLD_month_on_dac	LD.SANDY_PD345 SMDINTLD	Interface	Day Ahead Congestion + Energy	On Peak	2,000 MW	
HPZ	ISONE	ISONE.ID.SANDY_PD345 SMDINTLD_month_off_dac	LD.SANDY_PD345 SMDINTLD	Interface	Day Ahead Congestion + Energy	Off Peak	2,000 MW	
BWA	MISO	MISO.KCPL_month_on_dap	KCPL	Interface	Day Ahead Power	On Peak	164 MW	
BWB	MISO	MISO.KCPL_month_off_dap	KCPL	Interface	Day Ahead Power	Off Peak	164 MW	
CHO	MISO	MISO.ONT_month_on_dap	ONT	Interface	Day Ahead Power	On Peak	1,880 MW	
CHP	MISO	MISO.ONT_month_off_dap	ONT	Interface	Day Ahead Power	Off Peak	1,880 MW	
ANY	MISO	MISO.PJMC_month_on_dap	PJMC	Interface	Day Ahead Power	On Peak	6,217 MW	
ANZ	MISO	MISO.PJMC_month_off_dap	PJMC	Interface	Day Ahead Power	Off Peak	6,217 MW	
HPA	MISO	MISO.WR_month_on_dap	WR	Interface	Day Ahead Power	On Peak	159 MW	
HPB	MISO	MISO.WR_month_off_dap	WR	Interface	Day Ahead Power	Off Peak	159 MW	
GRU	MISO_RTO	MISO_RTO.AECI_month_on_dac	AECI	Interface	Day Ahead Congestion + Energy	On Peak	400 MW	
GRV	MISO_RTO	MISO_RTO.AECI_month_off_dac	AECI	Interface	Day Ahead Congestion + Energy	Off Peak	400 MW	
GSA	MISO_RTO	MISO_RTO.EEI_month_on_dac	EEI	Interface	Day Ahead Congestion + Energy	On Peak	1,113 MW	
GSB	MISO_RTO	MISO_RTO.EEI_month_off_dac	EEI	Interface	Day Ahead Congestion + Energy	Off Peak	1,113 MW	
GSC	MISO_RTO	MISO_RTO.EES_month_on_dac	EES	Interface	Day Ahead Congestion + Energy	On Peak	986 MW	
GSD	MISO_RTO	MISO_RTO.EES_month_off_dac	EES	Interface	Day Ahead Congestion + Energy	Off Peak	986 MW	
GQI	MISO_RTO	MISO_RTO.ONT_month_on_dac	ONT	Interface	Day Ahead Congestion + Energy	On Peak	1,880 MW	
GQJ	MISO_RTO	MISO_RTO.ONT_month_off_dac	ONT	Interface	Day Ahead Congestion + Energy	Off Peak	1,880 MW	
GQK	MISO_RTO	MISO_RTO.PJMC_month_on_dac	PJMC	Interface	Day Ahead Congestion + Energy	On Peak	6,217 MW	
GQL	MISO_RTO	MISO_RTO.PJMC_month_off_dac	PJMC	Interface	Day Ahead Congestion + Energy	Off Peak	6,217 MW	
GSE	MISO_RTO	MISO_RTO.SOCO_month_on_dac	SOCO	Interface	Day Ahead Congestion + Energy	On Peak	265 MW	
GSF	MISO_RTO	MISO_RTO.SOCO_month_off_dac	SOCO	Interface	Day Ahead Congestion + Energy	Off Peak	265 MW	
HBU	NYISO	NYISO.E_FISHKILL_LBMP_month_on_dac	E_FISHKILL_LBMP	Interface	Day Ahead Congestion + Energy	On Peak	1,365 MW	
HBV	NYISO	NYISO.E_FISHKILL_LBMP_month_off_dac	E_FISHKILL_LBMP	Interface	Day Ahead Congestion + Energy	Off Peak	1,365 MW	
HCQ	NYISO	NYISO.HQ_GEN_CEDARS_PROXY_month_on_dac	HQ_GEN_CEDARS_PROXY	Interface	Day Ahead Congestion + Energy	On Peak	325 MW	
HCR	NYISO	NYISO.HQ_GEN_CEDARS_PROXY_month_off_dac	HQ_GEN_CEDARS_PROXY	Interface	Day Ahead Congestion + Energy	Off Peak	325 MW	
HCS	NYISO	NYISO.HQ_GEN_IMPORT_month_on_dac	HQ_GEN_IMPORT	Interface	Day Ahead Congestion + Energy	On Peak	900 MW	
HCT	NYISO	NYISO.HQ_GEN_IMPORT_month_off_dac	HQ_GEN_IMPORT	Interface	Day Ahead Congestion + Energy	Off Peak	900 MW	
HDS	NYISO	NYISO.N.E_GEN_SANDY_PD_month_on_dac	N.E_GEN_SANDY_PD	Interface	Day Ahead Congestion + Energy	On Peak	2,000 MW	
HDT	NYISO	NYISO.N.E_GEN_SANDY_PD_month_off_dac	N.E_GEN_SANDY_PD	Interface	Day Ahead Congestion + Energy	Off Peak	2,000 MW	
HFC	NYISO	NYISO.O.H_GEN_BRUCE_month_on_dac	O.H_GEN_BRUCE	Interface	Day Ahead Congestion + Energy	On Peak	6,300 MW	
HFD	NYISO	NYISO.O.H_GEN_BRUCE_month_off_dac	O.H_GEN_BRUCE	Interface	Day Ahead Congestion + Energy	Off Peak	6,300 MW	
HFJ	NYISO	NYISO.PJM_GEN_KEYSTONE_month_on_dac	PJM_GEN_KEYSTONE	Interface	Day Ahead Congestion + Energy	On Peak	1,884 MW	
HFJ	NYISO	NYISO.PJM_GEN_KEYSTONE_month_off_dac	PJM_GEN_KEYSTONE	Interface	Day Ahead Congestion + Energy	Off Peak	1,884 MW	
HFK	NYISO	NYISO.PLEASANTVLY_LBMP_month_on_dac	PLEASANTVLY_LBMP	Interface	Day Ahead Congestion + Energy	On Peak	1,641 MW	
HFL	NYISO	NYISO.PLEASANTVLY_LBMP_month_off_dac	PLEASANTVLY_LBMP	Interface	Day Ahead Congestion + Energy	Off Peak	1,641 MW	
GHS	PJM	PJM.IMO_month_on_dac	IMO	Interface	Day Ahead Congestion + Energy	On Peak	1,752 MW	
GHT	PJM	PJM.IMO_month_off_dac	IMO	Interface	Day Ahead Congestion + Energy	Off Peak	1,752 MW	
EIS	PJM	PJM.IMO_month_on_dap	IMO	Interface	Day Ahead Power	On Peak	1,752 MW	
EIT	PJM	PJM.IMO_month_off_dap	IMO	Interface	Day Ahead Power	Off Peak	1,752 MW	
GIC	PJM	PJM.MISO_month_on_dac	MISO	Interface	Day Ahead Congestion + Energy	On Peak	6,832 MW	
GID	PJM	PJM.MISO_month_off_dac	MISO	Interface	Day Ahead Congestion + Energy	Off Peak	6,832 MW	
GIK	PJM	PJM.NIPSCO_month_on_dac	NIPSCO	Interface	Day Ahead Congestion + Energy	On Peak	1,728 MW	
GIL	PJM	PJM.NIPSCO_month_off_dac	NIPSCO	Interface	Day Ahead Congestion + Energy	Off Peak	1,728 MW	
GIM	PJM	PJM.NORTHWEST_month_on_dac	NORTHWEST	Interface	Day Ahead Congestion + Energy	On Peak	125 MW	
GIN	PJM	PJM.NORTHWEST_month_off_dac	NORTHWEST	Interface	Day Ahead Congestion + Energy	Off Peak	125 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GIO	PJM	PJM.NYIS_month_on_dac	NYIS	Interface	Day Ahead Congestion + Energy	On Peak	6,156 MW	
GIP	PJM	PJM.NYIS_month_off_dac	NYIS	Interface	Day Ahead Congestion + Energy	Off Peak	6,156 MW	
GIQ	PJM	PJM.OVEC_month_on_dac	OVEC	Interface	Day Ahead Congestion + Energy	On Peak	2,656 MW	
GIR	PJM	PJM.OVEC_month_off_dac	OVEC	Interface	Day Ahead Congestion + Energy	Off Peak	2,656 MW	
GJC	PJM	PJM.SOUTHIMP_month_on_dac	SOUTHIMP	Interface	Day Ahead Congestion + Energy	On Peak	5,509 MW	
GJD	PJM	PJM.SOUTHIMP_month_off_dac	SOUTHIMP	Interface	Day Ahead Congestion + Energy	Off Peak	5,509 MW	
GVS	PJM	PJM.SOUTHIMP_month_on_dap	SOUTHIMP	Interface	Day Ahead Power	On Peak	5,509 MW	
GVT	PJM	PJM.SOUTHIMP_month_off_dap	SOUTHIMP	Interface	Day Ahead Power	Off Peak	5,509 MW	
HKU	CAISO	CAISO.TH_NP15_GEN-APND_month_on_dac	TH_NP15_GEN-APND	Hub	Day Ahead Congestion + Energy	On Peak	18,828 MW	
HKV	CAISO	CAISO.TH_NP15_GEN-APND_month_off_dac	TH_NP15_GEN-APND	Hub	Day Ahead Congestion + Energy	Off Peak	15,842 MW	
FQU	CAISO	CAISO.TH_NP15_GEN-APND_month_on_dap	TH_NP15_GEN-APND	Hub	Day Ahead Power	On Peak	18,828 MW	
FQV	CAISO	CAISO.TH_NP15_GEN-APND_month_off_dap	TH_NP15_GEN-APND	Hub	Day Ahead Power	Off Peak	15,842 MW	
HKY	CAISO	CAISO.TH_ZP26_GEN-APND_month_on_dac	TH_ZP26_GEN-APND	Hub	Day Ahead Congestion + Energy	On Peak	2,352 MW	
HKZ	CAISO	CAISO.TH_ZP26_GEN-APND_month_off_dac	TH_ZP26_GEN-APND	Hub	Day Ahead Congestion + Energy	Off Peak	1,979 MW	
FQY	CAISO	CAISO.TH_ZP26_GEN-APND_month_on_dap	TH_ZP26_GEN-APND	Hub	Day Ahead Power	On Peak	2,352 MW	
FQZ	CAISO	CAISO.TH_ZP26_GEN-APND_month_off_dap	TH_ZP26_GEN-APND	Hub	Day Ahead Power	Off Peak	1,979 MW	
FVC	ERCOT	ERCOT.HB_HOUSTON_month_on_dap	HB_HOUSTON	Hub	Day Ahead Power	On Peak	18,349 MW	
FVD	ERCOT	ERCOT.HB_HOUSTON_month_off_dap	HB_HOUSTON	Hub	Day Ahead Power	Off Peak	17,478 MW	
GAL	ERCOT	ERCOT.HB_HOUSTON_month_7x8_dap	HB_HOUSTON	Hub	Day Ahead Power	7x8 Off Peak	14,955 MW	
GAK	ERCOT	ERCOT.HB_HOUSTON_month_2x16_dap	HB_HOUSTON	Hub	Day Ahead Power	2x16 PeakWE	17,478 MW	
FOI	ERCOT	ERCOT.HB_HOUSTON_month_on_rtp	HB_HOUSTON	Hub	Real Time Power	On Peak	18,349 MW	
FOJ	ERCOT	ERCOT.HB_HOUSTON_month_off_rtp	HB_HOUSTON	Hub	Real Time Power	Off Peak	17,478 MW	
GBB	ERCOT	ERCOT.HB_HOUSTON_month_7x8_rtp	HB_HOUSTON	Hub	Real Time Power	7x8 Off Peak	14,955 MW	
GBA	ERCOT	ERCOT.HB_HOUSTON_month_2x16_rtp	HB_HOUSTON	Hub	Real Time Power	2x16 PeakWE	17,478 MW	
FVG	ERCOT	ERCOT.HB_SOUTH_month_on_dap	HB_SOUTH	Hub	Day Ahead Power	On Peak	7,252 MW	
FVH	ERCOT	ERCOT.HB_SOUTH_month_off_dap	HB_SOUTH	Hub	Day Ahead Power	Off Peak	6,908 MW	
GAP	ERCOT	ERCOT.HB_SOUTH_month_7x8_dap	HB_SOUTH	Hub	Day Ahead Power	7x8 Off Peak	5,911 MW	
GAO	ERCOT	ERCOT.HB_SOUTH_month_2x16_dap	HB_SOUTH	Hub	Day Ahead Power	2x16 PeakWE	6,908 MW	
FOM	ERCOT	ERCOT.HB_SOUTH_month_on_rtp	HB_SOUTH	Hub	Real Time Power	On Peak	7,252 MW	
FON	ERCOT	ERCOT.HB_SOUTH_month_off_rtp	HB_SOUTH	Hub	Real Time Power	Off Peak	6,908 MW	
GBF	ERCOT	ERCOT.HB_SOUTH_month_7x8_rtp	HB_SOUTH	Hub	Real Time Power	7x8 Off Peak	5,911 MW	
GBE	ERCOT	ERCOT.HB_SOUTH_month_2x16_rtp	HB_SOUTH	Hub	Real Time Power	2x16 PeakWE	6,908 MW	
FVI	ERCOT	ERCOT.HB_WEST_month_on_dap	HB_WEST	Hub	Day Ahead Power	On Peak	4,418 MW	
FVJ	ERCOT	ERCOT.HB_WEST_month_off_dap	HB_WEST	Hub	Day Ahead Power	Off Peak	4,208 MW	
GAR	ERCOT	ERCOT.HB_WEST_month_7x8_dap	HB_WEST	Hub	Day Ahead Power	7x8 Off Peak	3,601 MW	
GAQ	ERCOT	ERCOT.HB_WEST_month_2x16_dap	HB_WEST	Hub	Day Ahead Power	2x16 PeakWE	4,208 MW	
FOO	ERCOT	ERCOT.HB_WEST_month_on_rtp	HB_WEST	Hub	Real Time Power	On Peak	4,418 MW	
FOP	ERCOT	ERCOT.HB_WEST_month_off_rtp	HB_WEST	Hub	Real Time Power	Off Peak	4,208 MW	
GBH	ERCOT	ERCOT.HB_WEST_month_7x8_rtp	HB_WEST	Hub	Real Time Power	7x8 Off Peak	3,601 MW	
GBG	ERCOT	ERCOT.HB_WEST_month_2x16_rtp	HB_WEST	Hub	Real Time Power	2x16 PeakWE	4,208 MW	
FWI	ISONE	ISONE.ENERGY_month_on_dae	ENERGY	Hub	Day Ahead Energy	On Peak	27,334 MW	
FWJ	ISONE	ISONE.ENERGY_month_off_dae	ENERGY	Hub	Day Ahead Energy	Off Peak	22,780 MW	
FVW	MISO	MISO.ENERGY_month_on_dae	ENERGY	Hub	Day Ahead Energy	On Peak	98,027 MW	
FVX	MISO	MISO.ENERGY_month_off_dae	ENERGY	Hub	Day Ahead Energy	Off Peak	88,818 MW	
FVY	MISO	MISO.ENERGY_month_on_rte	ENERGY	Hub	Real Time Energy	On Peak	98,027 MW	
FVZ	MISO	MISO.ENERGY_month_off_rte	ENERGY	Hub	Real Time Energy	Off Peak	88,818 MW	
BVC	MISO	MISO.ILLINOIS.HUB_month_on_dap	ILLINOIS.HUB	Hub	Day Ahead Power	On Peak	5,230 MW	
BVD	MISO	MISO.ILLINOIS.HUB_month_off_dap	ILLINOIS.HUB	Hub	Day Ahead Power	Off Peak	4,568 MW	
FSU	MISO	MISO.ILLINOIS.HUB_month_on_rtp	ILLINOIS.HUB	Hub	Real Time Power	On Peak	5,230 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
FSV	MISO	MISO.ILLINOIS.HUB_month_off_rtp	ILLINOIS.HUB	Hub	Real Time Power	Off Peak	4,568 MW	
BXW	MISO	MISO.MICHIGAN.HUB_month_on_dap	MICHIGAN.HUB	Hub	Day Ahead Power	On Peak	19,620 MW	
BXX	MISO	MISO.MICHIGAN.HUB_month_off_dap	MICHIGAN.HUB	Hub	Day Ahead Power	Off Peak	17,135 MW	
FRK	MISO	MISO.MICHIGAN.HUB_month_on_rtp	MICHIGAN.HUB	Hub	Real Time Power	On Peak	19,620 MW	
FRL	MISO	MISO.MICHIGAN.HUB_month_off_rtp	MICHIGAN.HUB	Hub	Real Time Power	Off Peak	17,135 MW	
BYA	MISO	MISO.MINN.HUB_month_on_dap	MINN.HUB	Hub	Day Ahead Power	On Peak	11,641 MW	
BYB	MISO	MISO.MINN.HUB_month_off_dap	MINN.HUB	Hub	Day Ahead Power	Off Peak	10,167 MW	
FSW	MISO	MISO.MINN.HUB_month_on_rtp	MINN.HUB	Hub	Real Time Power	On Peak	11,641 MW	
FSX	MISO	MISO.MINN.HUB_month_off_rtp	MINN.HUB	Hub	Real Time Power	Off Peak	10,167 MW	
GMI	MISO_RTO	MISO_RTO.ILLINOIS.HUB_month_on_dac	ILLINOIS.HUB	Hub	Day Ahead Congestion + Energy	On Peak	5,230 MW	
GMJ	MISO_RTO	MISO_RTO.ILLINOIS.HUB_month_off_dac	ILLINOIS.HUB	Hub	Day Ahead Congestion + Energy	Off Peak	4,568 MW	
FXQ	MISO_RTO	MISO_RTO.ILLINOIS.HUB_month_on_dap	ILLINOIS.HUB	Hub	Day Ahead Power	On Peak	5,230 MW	
FXR	MISO_RTO	MISO_RTO.ILLINOIS.HUB_month_off_dap	ILLINOIS.HUB	Hub	Day Ahead Power	Off Peak	4,568 MW	
GMM	MISO_RTO	MISO_RTO.MICHIGAN.HUB_month_on_dac	MICHIGAN.HUB	Hub	Day Ahead Congestion + Energy	On Peak	19,620 MW	
GMN	MISO_RTO	MISO_RTO.MICHIGAN.HUB_month_off_dac	MICHIGAN.HUB	Hub	Day Ahead Congestion + Energy	Off Peak	17,135 MW	
FXS	MISO_RTO	MISO_RTO.MICHIGAN.HUB_month_on_dap	MICHIGAN.HUB	Hub	Day Ahead Power	On Peak	19,620 MW	
FXI	MISO_RTO	MISO_RTO.MICHIGAN.HUB_month_off_dap	MICHIGAN.HUB	Hub	Day Ahead Power	Off Peak	17,135 MW	
GMO	MISO_RTO	MISO_RTO.MINN.HUB_month_on_dac	MINN.HUB	Hub	Day Ahead Congestion + Energy	On Peak	11,641 MW	
GMP	MISO_RTO	MISO_RTO.MINN.HUB_month_off_dac	MINN.HUB	Hub	Day Ahead Congestion + Energy	Off Peak	10,167 MW	
FXU	MISO_RTO	MISO_RTO.MINN.HUB_month_on_dap	MINN.HUB	Hub	Day Ahead Power	On Peak	11,641 MW	
FXV	MISO_RTO	MISO_RTO.MINN.HUB_month_off_dap	MINN.HUB	Hub	Day Ahead Power	Off Peak	10,167 MW	
FWE	NYISO	NYISO.ENERGY_month_on_dae	ENERGY	Hub	Day Ahead Energy	On Peak	33,865 MW	
FWF	NYISO	NYISO.ENERGY_month_off_dae	ENERGY	Hub	Day Ahead Energy	Off Peak	30,421 MW	
HEO	NYISO	NYISO.NYISO_LBMP_REFERENCE_month_on_dac	NYISO_LBMP_REFERENCE	Hub	Day Ahead Congestion + Energy	On Peak	33,865 MW	
HEP	NYISO	NYISO.NYISO_LBMP_REFERENCE_month_off_dac	NYISO_LBMP_REFERENCE	Hub	Day Ahead Congestion + Energy	Off Peak	30,421 MW	
GDE	PJM	PJM.AEP-DAYTON HUB_month_on_dac	AEP-DAYTON HUB	Hub	Day Ahead Congestion + Energy	On Peak	28,123 MW	
GDF	PJM	PJM.AEP-DAYTON HUB_month_off_dac	AEP-DAYTON HUB	Hub	Day Ahead Congestion + Energy	Off Peak	26,140 MW	
DLW	PJM	PJM.AEP-DAYTON HUB_month_on_dap	AEP-DAYTON HUB	Hub	Day Ahead Power	On Peak	28,123 MW	
DLX	PJM	PJM.AEP-DAYTON HUB_month_off_dap	AEP-DAYTON HUB	Hub	Day Ahead Power	Off Peak	26,140 MW	
HXO	PJM	PJM.AEP-DAYTON HUB_month_7x8_dap	AEP-DAYTON HUB	Hub	Day Ahead Power	7x8 Off Peak	21,763 MW	
HXP	PJM	PJM.AEP-DAYTON HUB_month_2x16_dap	AEP-DAYTON HUB	Hub	Day Ahead Power	2x16 PeakWE	26,140 MW	
FKA	PJM	PJM.AEP-DAYTON HUB_month_on_rtp	AEP-DAYTON HUB	Hub	Real Time Power	On Peak	28,123 MW	
FKB	PJM	PJM.AEP-DAYTON HUB_month_off_rtp	AEP-DAYTON HUB	Hub	Real Time Power	Off Peak	26,140 MW	
HXM	PJM	PJM.AEP-DAYTON HUB_month_7x8_rtp	AEP-DAYTON HUB	Hub	Real Time Power	7x8 Off Peak	21,763 MW	
HXN	PJM	PJM.AEP-DAYTON HUB_month_2x16_rtp	AEP-DAYTON HUB	Hub	Real Time Power	2x16 PeakWE	26,140 MW	
HSM	PJM	PJM.DOMINION HUB_month_on_dac	DOMINION HUB	Hub	Day Ahead Congestion + Energy	On Peak	53,111 MW	
HSN	PJM	PJM.DOMINION HUB_month_off_dac	DOMINION HUB	Hub	Day Ahead Congestion + Energy	Off Peak	49,601 MW	
DZU	PJM	PJM.DOMINION HUB_month_on_dap	DOMINION HUB	Hub	Day Ahead Power	On Peak	53,111 MW	
DZV	PJM	PJM.DOMINION HUB_month_off_dap	DOMINION HUB	Hub	Day Ahead Power	Off Peak	49,601 MW	
GEO	PJM	PJM.EASTERN HUB_month_on_dac	EASTERN HUB	Hub	Day Ahead Congestion + Energy	On Peak	41,102 MW	
GEP	PJM	PJM.EASTERN HUB_month_off_dac	EASTERN HUB	Hub	Day Ahead Congestion + Energy	Off Peak	37,406 MW	
EAS	PJM	PJM.EASTERN HUB_month_on_dap	EASTERN HUB	Hub	Day Ahead Power	On Peak	41,102 MW	
EAT	PJM	PJM.EASTERN HUB_month_off_dap	EASTERN HUB	Hub	Day Ahead Power	Off Peak	37,406 MW	
FRU	PJM	PJM.EASTERN HUB_month_on_rtp	EASTERN HUB	Hub	Real Time Power	On Peak	41,102 MW	
FRV	PJM	PJM.EASTERN HUB_month_off_rtp	EASTERN HUB	Hub	Real Time Power	Off Peak	37,406 MW	
FWA	PJM	PJM.ENERGY_month_on_dae	ENERGY	Hub	Day Ahead Energy	On Peak	158,043 MW	
FWB	PJM	PJM.ENERGY_month_off_dae	ENERGY	Hub	Day Ahead Energy	Off Peak	147,631 MW	
FWC	PJM	PJM.ENERGY_month_on_rte	ENERGY	Hub	Real Time Energy	On Peak	158,043 MW	
FWD	PJM	PJM.ENERGY_month_off_rte	ENERGY	Hub	Real Time Energy	Off Peak	147,631 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GFK	PJM	PJM.N ILLINOIS HUB_month_on_dac	N ILLINOIS HUB	Hub	Day Ahead Congestion + Energy	On Peak	23,753 MW	
GFL	PJM	PJM.N ILLINOIS HUB_month_off_dac	N ILLINOIS HUB	Hub	Day Ahead Congestion + Energy	Off Peak	20,785 MW	
ERM	PJM	PJM.N ILLINOIS HUB_month_on_dap	N ILLINOIS HUB	Hub	Day Ahead Power	On Peak	23,753 MW	
ERN	PJM	PJM.N ILLINOIS HUB_month_off_dap	N ILLINOIS HUB	Hub	Day Ahead Power	Off Peak	20,785 MW	
FKC	PJM	PJM.N ILLINOIS HUB_month_on_rtp	N ILLINOIS HUB	Hub	Real Time Power	On Peak	23,753 MW	
FKD	PJM	PJM.N ILLINOIS HUB_month_off_rtp	N ILLINOIS HUB	Hub	Real Time Power	Off Peak	20,785 MW	
GFM	PJM	PJM.NEW JERSEY HUB_month_on_dac	NEW JERSEY HUB	Hub	Day Ahead Congestion + Energy	On Peak	24,696 MW	
GFN	PJM	PJM.NEW JERSEY HUB_month_off_dac	NEW JERSEY HUB	Hub	Day Ahead Congestion + Energy	Off Peak	22,269 MW	
HNW	CAISO	CAISO.MCSWAIN_6_N001_month_on_dac	MCSWAIN_6_N001	Generator	Day Ahead Congestion + Energy	On Peak	7 MW	
HNX	CAISO	CAISO.MCSWAIN_6_N001_month_off_dac	MCSWAIN_6_N001	Generator	Day Ahead Congestion + Energy	Off Peak	7 MW	
HMA	CAISO	CAISO.MISSION_2_N035_month_on_dac	MISSION_2_N035	Generator	Day Ahead Congestion + Energy	On Peak	7 MW	
HMB	CAISO	CAISO.MISSION_2_N035_month_off_dac	MISSION_2_N035	Generator	Day Ahead Congestion + Energy	Off Peak	7 MW	
HMC	CAISO	CAISO.MISSION_1_N015_month_on_dac	MISSION_1_N015	Generator	Day Ahead Congestion + Energy	On Peak	1 MW	
HMD	CAISO	CAISO.MISSION_1_N015_month_off_dac	MISSION_1_N015	Generator	Day Ahead Congestion + Energy	Off Peak	1 MW	
HMM	CAISO	CAISO.POD DIABLO 7 UNIT 2-APND_month_on_dac	POD DIABLO 7 UNIT 2-APND	Generator	Day Ahead Congestion + Energy	On Peak	2,240 MW	
HMN	CAISO	CAISO.POD DIABLO 7 UNIT 2-APND_month_off_dac	POD DIABLO 7 UNIT 2-APND	Generator	Day Ahead Congestion + Energy	Off Peak	2,240 MW	
HOI	CAISO	CAISO.POD_EXCHEC_7_UNIT 1-APND_month_on_dac	POD_EXCHEC_7_UNIT 1-APND	Generator	Day Ahead Congestion + Energy	On Peak	71 MW	
HOJ	CAISO	CAISO.POD_EXCHEC_7_UNIT 1-APND_month_off_dac	POD_EXCHEC_7_UNIT 1-APND	Generator	Day Ahead Congestion + Energy	Off Peak	71 MW	
HMI	CAISO	CAISO.POD_MOSSLD_2_PSP2-APND_month_on_dac	POD_MOSSLD_2_PSP2-APND	Generator	Day Ahead Congestion + Energy	On Peak	2,530 MW	
HMJ	CAISO	CAISO.POD_MOSSLD_2_PSP2-APND_month_off_dac	POD_MOSSLD_2_PSP2-APND	Generator	Day Ahead Congestion + Energy	Off Peak	2,530 MW	
HMO	CAISO	CAISO.POD_PITTSF_7_UNIT 7-APND_month_on_dac	POD_PITTSF_7_UNIT 7-APND	Generator	Day Ahead Congestion + Energy	On Peak	1,311 MW	
HMP	CAISO	CAISO.POD_PITTSF_7_UNIT 7-APND_month_off_dac	POD_PITTSF_7_UNIT 7-APND	Generator	Day Ahead Congestion + Energy	Off Peak	1,311 MW	
HMY	CAISO	CAISO.SONOFR2_7_B1_month_on_dac	SONOFR2_7_B1	Generator	Day Ahead Congestion + Energy	On Peak	2,246 MW	
HMZ	CAISO	CAISO.SONOFR2_7_B1_month_off_dac	SONOFR2_7_B1	Generator	Day Ahead Congestion + Energy	Off Peak	2,246 MW	
HNS	CAISO	CAISO.VALLEYSC_1_N013_month_on_dac	VALLEYSC_1_N013	Generator	Day Ahead Congestion + Energy	On Peak	3 MW	
HNT	CAISO	CAISO.VALLEYSC_1_N013_month_off_dac	VALLEYSC_1_N013	Generator	Day Ahead Congestion + Energy	Off Peak	3 MW	
GCI	ERCOT	ERCOT.LEG_LEG_G1_month_on_dap	LEG_LEG_G1	Generator	Day Ahead Power	On Peak	1,689 MW	
GCL	ERCOT	ERCOT.LEG_LEG_G1_month_off_dap	LEG_LEG_G1	Generator	Day Ahead Power	Off Peak	1,689 MW	
HUK	ERCOT	ERCOT.LEG_LEG_G2_month_on_dap	LEG_LEG_G2	Generator	Day Ahead Power	On Peak	1,689 MW	
HUL	ERCOT	ERCOT.LEG_LEG_G2_month_off_dap	LEG_LEG_G2	Generator	Day Ahead Power	Off Peak	1,689 MW	
HUI	ERCOT	ERCOT.LEG_LEG_G2_month_on_rtp	LEG_LEG_G2	Generator	Real Time Power	On Peak	1,689 MW	
HUJ	ERCOT	ERCOT.LEG_LEG_G2_month_off_rtp	LEG_LEG_G2	Generator	Real Time Power	Off Peak	1,689 MW	
GYO	ERCOT	ERCOT.OECCS_1_month_on_dap	OECCS_1	Generator	Day Ahead Power	On Peak	993 MW	
GYP	ERCOT	ERCOT.OECCS_1_month_off_dap	OECCS_1	Generator	Day Ahead Power	Off Peak	993 MW	
GYQ	ERCOT	ERCOT.OECCS_1_month_on_rtp	OECCS_1	Generator	Real Time Power	On Peak	993 MW	
GYR	ERCOT	ERCOT.OECCS_1_month_off_rtp	OECCS_1	Generator	Real Time Power	Off Peak	993 MW	
GVQ	ERCOT	ERCOT.OKLA_OKLA_G1_month_on_dap	OKLA_OKLA_G1	Generator	Day Ahead Power	On Peak	650 MW	
GVR	ERCOT	ERCOT.OKLA_OKLA_G1_month_off_dap	OKLA_OKLA_G1	Generator	Day Ahead Power	Off Peak	650 MW	
GVO	ERCOT	ERCOT.OKLA_OKLA_G1_month_on_rtp	OKLA_OKLA_G1	Generator	Real Time Power	On Peak	650 MW	
GVP	ERCOT	ERCOT.OKLA_OKLA_G1_month_off_rtp	OKLA_OKLA_G1	Generator	Real Time Power	Off Peak	650 MW	
HUO	ERCOT	ERCOT.STP_STP_G1_month_on_dap	STP_STP_G1	Generator	Day Ahead Power	On Peak	2,750 MW	
HUP	ERCOT	ERCOT.STP_STP_G1_month_off_dap	STP_STP_G1	Generator	Day Ahead Power	Off Peak	2,750 MW	
HUM	ERCOT	ERCOT.STP_STP_G1_month_on_rtp	STP_STP_G1	Generator	Real Time Power	On Peak	2,750 MW	
HUN	ERCOT	ERCOT.STP_STP_G1_month_off_rtp	STP_STP_G1	Generator	Real Time Power	Off Peak	2,750 MW	
HUS	ERCOT	ERCOT.WAP_WAP_G5_month_on_dap	WAP_WAP_G5	Generator	Day Ahead Power	On Peak	3,652 MW	
HUT	ERCOT	ERCOT.WAP_WAP_G5_month_off_dap	WAP_WAP_G5	Generator	Day Ahead Power	Off Peak	3,652 MW	
HUQ	ERCOT	ERCOT.WAP_WAP_G5_month_on_rtp	WAP_WAP_G5	Generator	Real Time Power	On Peak	3,652 MW	
HUR	ERCOT	ERCOT.WAP_WAP_G5_month_off_rtp	WAP_WAP_G5	Generator	Real Time Power	Off Peak	3,652 MW	
HUW	ERCOT	ERCOT.WAP_WAP_G8_month_on_dap	WAP_WAP_G8	Generator	Day Ahead Power	On Peak	3,652 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HUX	ERCOT	ERCOT.WAP_WAP_G8_month_off_dap	WAP_WAP_G8	Generator	Day Ahead Power	Off Peak	3,652 MW	
HUU	ERCOT	ERCOT.WAP_WAP_G8_month_on_rtp	WAP_WAP_G8	Generator	Real Time Power	On Peak	3,652 MW	
HUV	ERCOT	ERCOT.WAP_WAP_G8_month_off_rtp	WAP_WAP_G8	Generator	Real Time Power	Off Peak	3,652 MW	
HQA	ISONE	ISONE.UN.MYSTIC 18.1MYS8_month_on_dac	UN.MYSTIC 18.1MYS8	Generator	Day Ahead Congestion + Energy	On Peak	2,376 MW	
HQB	ISONE	ISONE.UN.MYSTIC 18.1MYS8_month_off_dac	UN.MYSTIC 18.1MYS8	Generator	Day Ahead Congestion + Energy	Off Peak	2,376 MW	
HQC	ISONE	ISONE.UN.PILGRIM 22.8PILG_month_on_dac	UN.PILGRIM 22.8PILG	Generator	Day Ahead Congestion + Energy	On Peak	670 MW	
HQD	ISONE	ISONE.UN.PILGRIM 22.8PILG_month_off_dac	UN.PILGRIM 22.8PILG	Generator	Day Ahead Congestion + Energy	Off Peak	670 MW	
HPW	ISONE	ISONE.UN.SEABROOK24.5SBRK_month_on_dac	UN.SEABROOK24.5SBRK	Generator	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HPX	ISONE	ISONE.UN.SEABROOK24.5SBRK_month_off_dac	UN.SEABROOK24.5SBRK	Generator	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
APA	MISO	MISO.ALTE.ROCKGEN1_month_on_dap	ALTE.ROCKGEN1	Generator	Day Ahead Power	On Peak	468 MW	
APB	MISO	MISO.ALTE.ROCKGEN1_month_off_dap	ALTE.ROCKGEN1	Generator	Day Ahead Power	Off Peak	468 MW	
ARE	MISO	MISO.ALTW.FOXLK1_month_on_dap	ALTW.FOXLK1	Generator	Day Ahead Power	On Peak	108 MW	
ARF	MISO	MISO.ALTW.FOXLK1_month_off_dap	ALTW.FOXLK1	Generator	Day Ahead Power	Off Peak	108 MW	
ARI	MISO	MISO.ALTW.FOXLK3_month_on_dap	ALTW.FOXLK3	Generator	Day Ahead Power	On Peak	108 MW	
ARJ	MISO	MISO.ALTW.FOXLK3_month_off_dap	ALTW.FOXLK3	Generator	Day Ahead Power	Off Peak	108 MW	
CFY	MISO	MISO.NSP.SMP.S3_month_on_dap	NSP.SMP.S3	Generator	Day Ahead Power	On Peak	900 MW	
CFZ	MISO	MISO.NSP.SMP.S3_month_off_dap	NSP.SMP.S3	Generator	Day Ahead Power	Off Peak	900 MW	
FUS	MISO	MISO.WEC.PTBHGB1_month_on_dap	WEC.PTBHGB1	Generator	Day Ahead Power	On Peak	1,182 MW	
FUT	MISO	MISO.WEC.PTBHGB1_month_off_dap	WEC.PTBHGB1	Generator	Day Ahead Power	Off Peak	1,182 MW	
COE	MISO	MISO.WEC.PTBHGB2_month_on_dap	WEC.PTBHGB2	Generator	Day Ahead Power	On Peak	1,182 MW	
COF	MISO	MISO.WEC.PTBHGB2_month_off_dap	WEC.PTBHGB2	Generator	Day Ahead Power	Off Peak	1,182 MW	
HKS	MISO_RTO	MISO_RTO.ALTW.8THST3_month_on_dac	ALTW.8THST3	Generator	Day Ahead Congestion + Energy	On Peak	70 MW	
HKT	MISO_RTO	MISO_RTO.ALTW.8THST3_month_off_dac	ALTW.8THST3	Generator	Day Ahead Congestion + Energy	Off Peak	70 MW	
GPI	MISO_RTO	MISO_RTO.ALTW.BVRCH2_month_on_dac	ALTW.BVRCH2	Generator	Day Ahead Congestion + Energy	On Peak	236 MW	
GPJ	MISO_RTO	MISO_RTO.ALTW.BVRCH2_month_off_dac	ALTW.BVRCH2	Generator	Day Ahead Congestion + Energy	Off Peak	236 MW	
GMW	MISO_RTO	MISO_RTO.ALTW.DAEC_month_on_dac	ALTW.DAEC	Generator	Day Ahead Congestion + Energy	On Peak	557 MW	
GMX	MISO_RTO	MISO_RTO.ALTW.DAEC_month_off_dac	ALTW.DAEC	Generator	Day Ahead Congestion + Energy	Off Peak	557 MW	
GOM	MISO_RTO	MISO_RTO.ALTW.JOULGSCIP_month_on_dac	ALTW.JOULGSCIP	Generator	Day Ahead Congestion + Energy	On Peak	755 MW	
GON	MISO_RTO	MISO_RTO.ALTW.JOULGSCIP_month_off_dac	ALTW.JOULGSCIP	Generator	Day Ahead Congestion + Energy	Off Peak	755 MW	
GSK	MISO_RTO	MISO_RTO.ALTW.LOSTLAKES_month_on_dac	ALTW.LOSTLAKES	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
GSL	MISO_RTO	MISO_RTO.ALTW.LOSTLAKES_month_off_dac	ALTW.LOSTLAKES	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
GNI	MISO_RTO	MISO_RTO.ALTW.OTTUMW1_month_on_dac	ALTW.OTTUMW1	Generator	Day Ahead Congestion + Energy	On Peak	765 MW	
GNJ	MISO_RTO	MISO_RTO.ALTW.OTTUMW1_month_off_dac	ALTW.OTTUMW1	Generator	Day Ahead Congestion + Energy	Off Peak	765 MW	
GPK	MISO_RTO	MISO_RTO.ALTW.PIONPRAR2_month_on_dac	ALTW.PIONPRAR2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
GPL	MISO_RTO	MISO_RTO.ALTW.PIONPRAR2_month_off_dac	ALTW.PIONPRAR2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
GPE	MISO_RTO	MISO_RTO.ALTW.WSEC3_month_on_dac	ALTW.WSEC3	Generator	Day Ahead Congestion + Energy	On Peak	670 MW	
GPF	MISO_RTO	MISO_RTO.ALTW.WSEC3_month_off_dac	ALTW.WSEC3	Generator	Day Ahead Congestion + Energy	Off Peak	670 MW	
GMS	MISO_RTO	MISO_RTO.AMIL.BALDWIS1_month_on_dac	AMIL.BALDWIS1	Generator	Day Ahead Congestion + Energy	On Peak	1,761 MW	
GMT	MISO_RTO	MISO_RTO.AMIL.BALDWIS1_month_off_dac	AMIL.BALDWIS1	Generator	Day Ahead Congestion + Energy	Off Peak	1,761 MW	
HRI	MISO_RTO	MISO_RTO.AMIL.BALDWIS2_month_on_dac	AMIL.BALDWIS2	Generator	Day Ahead Congestion + Energy	On Peak	1,761 MW	
HRJ	MISO_RTO	MISO_RTO.AMIL.BALDWIS2_month_off_dac	AMIL.BALDWIS2	Generator	Day Ahead Congestion + Energy	Off Peak	1,761 MW	
HRK	MISO_RTO	MISO_RTO.AMIL.BALDWIS3_month_on_dac	AMIL.BALDWIS3	Generator	Day Ahead Congestion + Energy	On Peak	1,761 MW	
HRL	MISO_RTO	MISO_RTO.AMIL.BALDWIS3_month_off_dac	AMIL.BALDWIS3	Generator	Day Ahead Congestion + Energy	Off Peak	1,761 MW	
GRW	MISO_RTO	MISO_RTO.AMIL.CC.GDTWR2_month_on_dac	AMIL.CC.GDTWR2	Generator	Day Ahead Congestion + Energy	On Peak	275 MW	
GRX	MISO_RTO	MISO_RTO.AMIL.CC.GDTWR2_month_off_dac	AMIL.CC.GDTWR2	Generator	Day Ahead Congestion + Energy	Off Peak	275 MW	
GNK	MISO_RTO	MISO_RTO.AMIL.CLINTOS1_month_on_dac	AMIL.CLINTOS1	Generator	Day Ahead Congestion + Energy	On Peak	1,055 MW	
GNL	MISO_RTO	MISO_RTO.AMIL.CLINTOS1_month_off_dac	AMIL.CLINTOS1	Generator	Day Ahead Congestion + Energy	Off Peak	1,055 MW	
GOE	MISO_RTO	MISO_RTO.AMIL.COFFEEEN1_month_on_dac	AMIL.COFFEEEN1	Generator	Day Ahead Congestion + Energy	On Peak	950 MW	
GOF	MISO_RTO	MISO_RTO.AMIL.COFFEEEN1_month_off_dac	AMIL.COFFEEEN1	Generator	Day Ahead Congestion + Energy	Off Peak	950 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GPM	MISO_RTO	MISO_RTO.AMILDUCKCRK1_month_on_dac	AMILDUCKCRK1	Generator	Day Ahead Congestion + Energy	On Peak	412 MW	
GPN	MISO_RTO	MISO_RTO.AMILDUCKCRK1_month_off_dac	AMILDUCKCRK1	Generator	Day Ahead Congestion + Energy	Off Peak	412 MW	
GRY	MISO_RTO	MISO_RTO.AMILEDWARDS3_month_on_dac	AMILEDWARDS3	Generator	Day Ahead Congestion + Energy	On Peak	745 MW	
GRZ	MISO_RTO	MISO_RTO.AMILEDWARDS3_month_off_dac	AMILEDWARDS3	Generator	Day Ahead Congestion + Energy	Off Peak	745 MW	
GVI	MISO_RTO	MISO_RTO.AMILHAVANA86_month_on_dac	AMILHAVANA86	Generator	Day Ahead Congestion + Energy	On Peak	458 MW	
GVJ	MISO_RTO	MISO_RTO.AMILHAVANA86_month_off_dac	AMILHAVANA86	Generator	Day Ahead Congestion + Energy	Off Peak	458 MW	
GSG	MISO_RTO	MISO_RTO.AMILHENNEPN81_month_on_dac	AMILHENNEPN81	Generator	Day Ahead Congestion + Energy	On Peak	290 MW	
GSH	MISO_RTO	MISO_RTO.AMILHENNEPN81_month_off_dac	AMILHENNEPN81	Generator	Day Ahead Congestion + Energy	Off Peak	290 MW	
GNA	MISO_RTO	MISO_RTO.AMILNEWTON21_month_on_dac	AMILNEWTON21	Generator	Day Ahead Congestion + Energy	On Peak	1,260 MW	
GNB	MISO_RTO	MISO_RTO.AMILNEWTON21_month_off_dac	AMILNEWTON21	Generator	Day Ahead Congestion + Energy	Off Peak	1,260 MW	
GSM	MISO_RTO	MISO_RTO.AMILRSPWIND_month_on_dac	AMILRSPWIND	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
GSN	MISO_RTO	MISO_RTO.AMILRSPWIND_month_off_dac	AMILRSPWIND	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HKC	MISO_RTO	MISO_RTO.AMILSTWF_month_on_dac	AMILSTWF	Generator	Day Ahead Congestion + Energy	On Peak	150 MW	
HKD	MISO_RTO	MISO_RTO.AMILSTWF_month_off_dac	AMILSTWF	Generator	Day Ahead Congestion + Energy	Off Peak	150 MW	
GSJ	MISO_RTO	MISO_RTO.AMILWOODRW85_month_on_dac	AMILWOODRW85	Generator	Day Ahead Congestion + Energy	On Peak	356 MW	
GSJ	MISO_RTO	MISO_RTO.AMILWOODRW85_month_off_dac	AMILWOODRW85	Generator	Day Ahead Congestion + Energy	Off Peak	356 MW	
GPS	MISO_RTO	MISO_RTO.AMMO.CALLAWAY1_month_on_dac	AMMO.CALLAWAY1	Generator	Day Ahead Congestion + Energy	On Peak	1,192 MW	
GPT	MISO_RTO	MISO_RTO.AMMO.CALLAWAY1_month_off_dac	AMMO.CALLAWAY1	Generator	Day Ahead Congestion + Energy	Off Peak	1,192 MW	
HJY	MISO_RTO	MISO_RTO.AMMO.GOOSEGEN1_month_on_dac	AMMO.GOOSEGEN1	Generator	Day Ahead Congestion + Energy	On Peak	450 MW	
HJZ	MISO_RTO	MISO_RTO.AMMO.GOOSEGEN1_month_off_dac	AMMO.GOOSEGEN1	Generator	Day Ahead Congestion + Energy	Off Peak	450 MW	
GMY	MISO_RTO	MISO_RTO.AMMO.LABADIE1_month_on_dac	AMMO.LABADIE1	Generator	Day Ahead Congestion + Energy	On Peak	2,529 MW	
GMZ	MISO_RTO	MISO_RTO.AMMO.LABADIE1_month_off_dac	AMMO.LABADIE1	Generator	Day Ahead Congestion + Energy	Off Peak	2,529 MW	
GYU	MISO_RTO	MISO_RTO.AMMO.MERAMECT1_month_on_dac	AMMO.MERAMECT1	Generator	Day Ahead Congestion + Energy	On Peak	108 MW	
GYV	MISO_RTO	MISO_RTO.AMMO.MERAMECT1_month_off_dac	AMMO.MERAMECT1	Generator	Day Ahead Congestion + Energy	Off Peak	108 MW	
GNE	MISO_RTO	MISO_RTO.AMMO.RUSHIS1_month_on_dac	AMMO.RUSHIS1	Generator	Day Ahead Congestion + Energy	On Peak	1,270 MW	
GNF	MISO_RTO	MISO_RTO.AMMO.RUSHIS1_month_off_dac	AMMO.RUSHIS1	Generator	Day Ahead Congestion + Energy	Off Peak	1,270 MW	
GY5	MISO_RTO	MISO_RTO.AMMO.SIOUX1_month_on_dac	AMMO.SIOUX1	Generator	Day Ahead Congestion + Energy	On Peak	1,035 MW	
GYT	MISO_RTO	MISO_RTO.AMMO.SIOUX1_month_off_dac	AMMO.SIOUX1	Generator	Day Ahead Congestion + Energy	Off Peak	1,035 MW	
GPU	MISO_RTO	MISO_RTO.CIN.CAYUGA.1_month_on_dac	CIN.CAYUGA.1	Generator	Day Ahead Congestion + Energy	On Peak	1,040 MW	
GPV	MISO_RTO	MISO_RTO.CIN.CAYUGA.1_month_off_dac	CIN.CAYUGA.1	Generator	Day Ahead Congestion + Energy	Off Peak	1,040 MW	
GOI	MISO_RTO	MISO_RTO.CIN.GIBSON.1_month_on_dac	CIN.GIBSON.1	Generator	Day Ahead Congestion + Energy	On Peak	3,230 MW	
GOJ	MISO_RTO	MISO_RTO.CIN.GIBSON.1_month_off_dac	CIN.GIBSON.1	Generator	Day Ahead Congestion + Energy	Off Peak	3,230 MW	
GPW	MISO_RTO	MISO_RTO.CONS.CAMPBELL2_month_on_dac	CONS.CAMPBELL2	Generator	Day Ahead Congestion + Energy	On Peak	615 MW	
GPX	MISO_RTO	MISO_RTO.CONS.CAMPBELL2_month_off_dac	CONS.CAMPBELL2	Generator	Day Ahead Congestion + Energy	Off Peak	615 MW	
GOO	MISO_RTO	MISO_RTO.CONS.LIVINGEN1_month_on_dac	CONS.LIVINGEN1	Generator	Day Ahead Congestion + Energy	On Peak	132 MW	
GOP	MISO_RTO	MISO_RTO.CONS.LIVINGEN1_month_off_dac	CONS.LIVINGEN1	Generator	Day Ahead Congestion + Energy	Off Peak	132 MW	
GMU	MISO_RTO	MISO_RTO.CONS.PALISA2A1_month_on_dac	CONS.PALISA2A1	Generator	Day Ahead Congestion + Energy	On Peak	820 MW	
GMV	MISO_RTO	MISO_RTO.CONS.PALISA2A1_month_off_dac	CONS.PALISA2A1	Generator	Day Ahead Congestion + Energy	Off Peak	820 MW	
GOW	MISO_RTO	MISO_RTO.DECO.LUD1_month_on_dac	DECO.LUD1	Generator	Day Ahead Congestion + Energy	On Peak	312 MW	
GOX	MISO_RTO	MISO_RTO.DECO.LUD1_month_off_dac	DECO.LUD1	Generator	Day Ahead Congestion + Energy	Off Peak	312 MW	
GUY	MISO_RTO	MISO_RTO.DECO.MONROE1_month_on_dac	DECO.MONROE1	Generator	Day Ahead Congestion + Energy	On Peak	3,120 MW	
GUZ	MISO_RTO	MISO_RTO.DECO.MONROE1_month_off_dac	DECO.MONROE1	Generator	Day Ahead Congestion + Energy	Off Peak	3,120 MW	
GOC	MISO_RTO	MISO_RTO.DECO.STCLAIR4_month_on_dac	DECO.STCLAIR4	Generator	Day Ahead Congestion + Energy	On Peak	1,417 MW	
GOD	MISO_RTO	MISO_RTO.DECO.STCLAIR4_month_off_dac	DECO.STCLAIR4	Generator	Day Ahead Congestion + Energy	Off Peak	1,417 MW	
GOQ	MISO_RTO	MISO_RTO.GRE.LKFLGR1_month_on_dac	GRE.LKFLGR1	Generator	Day Ahead Congestion + Energy	On Peak	550 MW	
GOR	MISO_RTO	MISO_RTO.GRE.LKFLGR1_month_off_dac	GRE.LKFLGR1	Generator	Day Ahead Congestion + Energy	Off Peak	550 MW	
GNS	MISO_RTO	MISO_RTO.IPL.16PETEE3_month_on_dac	IPL.16PETEE3	Generator	Day Ahead Congestion + Energy	On Peak	525 MW	
GNT	MISO_RTO	MISO_RTO.IPL.16PETEE3_month_off_dac	IPL.16PETEE3	Generator	Day Ahead Congestion + Energy	Off Peak	525 MW	
GNU	MISO_RTO	MISO_RTO.IPL.16STOU707_month_on_dac	IPL.16STOU707	Generator	Day Ahead Congestion + Energy	On Peak	522 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GNV	MISO_RTO	MISO_RTO.IPL16STOU707_month_off_dac	IPL16STOU707	Generator	Day Ahead Congestion + Energy	Off Peak	522 MW	
GVA	MISO_RTO	MISO_RTO.NIPS.BAILLP7_month_on_dac	NIPS.BAILLP7	Generator	Day Ahead Congestion + Energy	On Peak	511 MW	
GVB	MISO_RTO	MISO_RTO.NIPS.BAILLP7_month_off_dac	NIPS.BAILLP7	Generator	Day Ahead Congestion + Energy	Off Peak	511 MW	
HKK	MISO_RTO	MISO_RTO.NIPS.NORWAPNOR_month_on_dac	NIPS.NORWAPNOR	Generator	Day Ahead Congestion + Energy	On Peak	4 MW	
HKL	MISO_RTO	MISO_RTO.NIPS.NORWAPNOR_month_off_dac	NIPS.NORWAPNOR	Generator	Day Ahead Congestion + Energy	Off Peak	4 MW	
HKO	MISO_RTO	MISO_RTO.NIPS.OAKDAPOAK_month_on_dac	NIPS.OAKDAPOAK	Generator	Day Ahead Congestion + Energy	On Peak	6 MW	
HKP	MISO_RTO	MISO_RTO.NIPS.OAKDAPOAK_month_off_dac	NIPS.OAKDAPOAK	Generator	Day Ahead Congestion + Energy	Off Peak	6 MW	
GNG	MISO_RTO	MISO_RTO.NIPS.SCHAHP18_month_on_dac	NIPS.SCHAHP18	Generator	Day Ahead Congestion + Energy	On Peak	1,625 MW	
GNH	MISO_RTO	MISO_RTO.NIPS.SCHAHP18_month_off_dac	NIPS.SCHAHP18	Generator	Day Ahead Congestion + Energy	Off Peak	1,625 MW	
GPA	MISO_RTO	MISO_RTO.NSP.SHERCO1_month_on_dac	NSP.SHERCO1	Generator	Day Ahead Congestion + Energy	On Peak	1,440 MW	
GPB	MISO_RTO	MISO_RTO.NSP.SHERCO1_month_off_dac	NSP.SHERCO1	Generator	Day Ahead Congestion + Energy	Off Peak	1,440 MW	
GNW	MISO_RTO	MISO_RTO.SIGE.10ABBGN1_month_on_dac	SIGE.10ABBGN1	Generator	Day Ahead Congestion + Energy	On Peak	500 MW	
GNX	MISO_RTO	MISO_RTO.SIGE.10ABBGN1_month_off_dac	SIGE.10ABBGN1	Generator	Day Ahead Congestion + Energy	Off Peak	500 MW	
GVE	MISO_RTO	MISO_RTO.SIGE.FOWLR_month_on_dac	SIGE.FOWLR	Generator	Day Ahead Congestion + Energy	On Peak	600 MW	
GVF	MISO_RTO	MISO_RTO.SIGE.FOWLR_month_off_dac	SIGE.FOWLR	Generator	Day Ahead Congestion + Energy	Off Peak	600 MW	
GQS	MISO_RTO	MISO_RTO.SIPC.MARI69_month_on_dac	SIPC.MARI69	Generator	Day Ahead Congestion + Energy	On Peak	111 MW	
GQT	MISO_RTO	MISO_RTO.SIPC.MARI69_month_off_dac	SIPC.MARI69	Generator	Day Ahead Congestion + Energy	Off Peak	111 MW	
GVG	MISO_RTO	MISO_RTO.TVA.WHITEOAK_month_on_dac	TVA.WHITEOAK	Generator	Day Ahead Congestion + Energy	On Peak	150 MW	
GVH	MISO_RTO	MISO_RTO.TVA.WHITEOAK_month_off_dac	TVA.WHITEOAK	Generator	Day Ahead Congestion + Energy	Off Peak	150 MW	
GNC	MISO_RTO	MISO_RTO.WEC.OKCGC7_month_on_dac	WEC.OKCGC7	Generator	Day Ahead Congestion + Energy	On Peak	877 MW	
GND	MISO_RTO	MISO_RTO.WEC.OKCGC7_month_off_dac	WEC.OKCGC7	Generator	Day Ahead Congestion + Energy	Off Peak	877 MW	
GQW	MISO_RTO	MISO_RTO.WEC.PLEASA142_month_on_dac	WEC.PLEASA142	Generator	Day Ahead Congestion + Energy	On Peak	617 MW	
GQX	MISO_RTO	MISO_RTO.WEC.PLEASA142_month_off_dac	WEC.PLEASA142	Generator	Day Ahead Congestion + Energy	Off Peak	617 MW	
GNO	MISO_RTO	MISO_RTO.WEC.PLPRG41_month_on_dac	WEC.PLPRG41	Generator	Day Ahead Congestion + Energy	On Peak	617 MW	
GNP	MISO_RTO	MISO_RTO.WEC.PLPRG41_month_off_dac	WEC.PLPRG41	Generator	Day Ahead Congestion + Energy	Off Peak	617 MW	
GNQ	MISO_RTO	MISO_RTO.WEC.PTBHGB1_month_on_dac	WEC.PTBHGB1	Generator	Day Ahead Congestion + Energy	On Peak	1,182 MW	
GNR	MISO_RTO	MISO_RTO.WEC.PTBHGB1_month_off_dac	WEC.PTBHGB1	Generator	Day Ahead Congestion + Energy	Off Peak	1,182 MW	
GOG	MISO_RTO	MISO_RTO.WPS.COLUMBIA1_month_on_dac	WPS.COLUMBIA1	Generator	Day Ahead Congestion + Energy	On Peak	571 MW	
GOH	MISO_RTO	MISO_RTO.WPS.COLUMBIA1_month_off_dac	WPS.COLUMBIA1	Generator	Day Ahead Congestion + Energy	Off Peak	571 MW	
HHQ	NYISO	NYISO.59TH STREET_GT_1_month_on_dac	59TH STREET_GT_1	Generator	Day Ahead Congestion + Energy	On Peak	17 MW	
HHR	NYISO	NYISO.59TH STREET_GT_1_month_off_dac	59TH STREET_GT_1	Generator	Day Ahead Congestion + Energy	Off Peak	17 MW	
HHS	NYISO	NYISO.AMERICAN_REF_FUEL_month_on_dac	AMERICAN_REF_FUEL	Generator	Day Ahead Congestion + Energy	On Peak	50 MW	
HHT	NYISO	NYISO.AMERICAN_REF_FUEL_month_off_dac	AMERICAN_REF_FUEL	Generator	Day Ahead Congestion + Energy	Off Peak	50 MW	
HAI	NYISO	NYISO.ARTHUR_KILL_2_month_on_dac	ARTHUR_KILL_2	Generator	Day Ahead Congestion + Energy	On Peak	932 MW	
HAJ	NYISO	NYISO.ARTHUR_KILL_2_month_off_dac	ARTHUR_KILL_2	Generator	Day Ahead Congestion + Energy	Off Peak	932 MW	
HAK	NYISO	NYISO.ARTHUR_KILL_3_month_on_dac	ARTHUR_KILL_3	Generator	Day Ahead Congestion + Energy	On Peak	932 MW	
HAL	NYISO	NYISO.ARTHUR_KILL_3_month_off_dac	ARTHUR_KILL_3	Generator	Day Ahead Congestion + Energy	Off Peak	932 MW	
HAO	NYISO	NYISO.ASTORIA_EAST_ENERGY_CC1_month_on_dac	ASTORIA_EAST_ENERGY_CC1	Generator	Day Ahead Congestion + Energy	On Peak	640 MW	
HAP	NYISO	NYISO.ASTORIA_EAST_ENERGY_CC1_month_off_dac	ASTORIA_EAST_ENERGY_CC1	Generator	Day Ahead Congestion + Energy	Off Peak	640 MW	
HAM	NYISO	NYISO.AST_ENERGY_2_CC3_month_on_dac	AST_ENERGY_2_CC3	Generator	Day Ahead Congestion + Energy	On Peak	617 MW	
HAN	NYISO	NYISO.AST_ENERGY_2_CC3_month_off_dac	AST_ENERGY_2_CC3	Generator	Day Ahead Congestion + Energy	Off Peak	617 MW	
HAQ	NYISO	NYISO.ATHENS_STG_1_month_on_dac	ATHENS_STG_1	Generator	Day Ahead Congestion + Energy	On Peak	1,323 MW	
HAR	NYISO	NYISO.ATHENS_STG_1_month_off_dac	ATHENS_STG_1	Generator	Day Ahead Congestion + Energy	Off Peak	1,323 MW	
HAS	NYISO	NYISO.BARRETT_1_month_on_dac	BARRETT_1	Generator	Day Ahead Congestion + Energy	On Peak	376 MW	
HAT	NYISO	NYISO.BARRETT_1_month_off_dac	BARRETT_1	Generator	Day Ahead Congestion + Energy	Off Peak	376 MW	
HHU	NYISO	NYISO.BETHLEHEM_GS3_month_on_dac	BETHLEHEM_GS3	Generator	Day Ahead Congestion + Energy	On Peak	893 MW	
HHV	NYISO	NYISO.BETHLEHEM_GS3_month_off_dac	BETHLEHEM_GS3	Generator	Day Ahead Congestion + Energy	Off Peak	893 MW	
HAU	NYISO	NYISO.BLISS_WT_PWR_month_on_dac	BLISS_WT_PWR	Generator	Day Ahead Congestion + Energy	On Peak	101 MW	
HAV	NYISO	NYISO.BLISS_WT_PWR_month_off_dac	BLISS_WT_PWR	Generator	Day Ahead Congestion + Energy	Off Peak	101 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HAW	NYISO	NYISO.BOWLINE_1_month_on_dac	BOWLINE_1	Generator	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HAX	NYISO	NYISO.BOWLINE_1_month_off_dac	BOWLINE_1	Generator	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
HAY	NYISO	NYISO.BROOKLYN_NAVY_YARD_month_on_dac	BROOKLYN_NAVY_YARD	Generator	Day Ahead Congestion + Energy	On Peak	322 MW	
HAZ	NYISO	NYISO.BROOKLYN_NAVY_YARD_month_off_dac	BROOKLYN_NAVY_YARD	Generator	Day Ahead Congestion + Energy	Off Peak	322 MW	
HBA	NYISO	NYISO.CAITHNESS_CC_1_month_on_dac	CAITHNESS_CC_1	Generator	Day Ahead Congestion + Energy	On Peak	349 MW	
HBB	NYISO	NYISO.CAITHNESS_CC_1_month_off_dac	CAITHNESS_CC_1	Generator	Day Ahead Congestion + Energy	Off Peak	349 MW	
HBC	NYISO	NYISO.CANDIGU_WT_PWR_month_on_dac	CANDIGU_WT_PWR	Generator	Day Ahead Congestion + Energy	On Peak	125 MW	
HBD	NYISO	NYISO.CANDIGU_WT_PWR_month_off_dac	CANDIGU_WT_PWR	Generator	Day Ahead Congestion + Energy	Off Peak	125 MW	
HBE	NYISO	NYISO.CARR_STREET_E_SYR_month_on_dac	CARR_STREET_E_SYR	Generator	Day Ahead Congestion + Energy	On Peak	123 MW	
HBF	NYISO	NYISO.CARR_STREET_E_SYR_month_off_dac	CARR_STREET_E_SYR	Generator	Day Ahead Congestion + Energy	Off Peak	123 MW	
HBM	NYISO	NYISO.CHATEAUG_WT_PWR_month_on_dac	CHATEAUG_WT_PWR	Generator	Day Ahead Congestion + Energy	On Peak	107 MW	
HBN	NYISO	NYISO.CHATEAUG_WT_PWR_month_off_dac	CHATEAUG_WT_PWR	Generator	Day Ahead Congestion + Energy	Off Peak	107 MW	
HBI	NYISO	NYISO.CH_RES_BVR_FALLS_month_on_dac	CH_RES_BVR_FALLS	Generator	Day Ahead Congestion + Energy	On Peak	108 MW	
HBJ	NYISO	NYISO.CH_RES_BVR_FALLS_month_off_dac	CH_RES_BVR_FALLS	Generator	Day Ahead Congestion + Energy	Off Peak	108 MW	
HBK	NYISO	NYISO.CH_RES_SYRACUSE_month_on_dac	CH_RES_SYRACUSE	Generator	Day Ahead Congestion + Energy	On Peak	103 MW	
HBL	NYISO	NYISO.CH_RES_SYRACUSE_month_off_dac	CH_RES_SYRACUSE	Generator	Day Ahead Congestion + Energy	Off Peak	103 MW	
HHW	NYISO	NYISO.COXSACKIE_GT_month_on_dac	COXSACKIE_GT	Generator	Day Ahead Congestion + Energy	On Peak	22 MW	
HHX	NYISO	NYISO.COXSACKIE_GT_month_off_dac	COXSACKIE_GT	Generator	Day Ahead Congestion + Energy	Off Peak	22 MW	
HBO	NYISO	NYISO.DANSKAMMER_4_month_on_dac	DANSKAMMER_4	Generator	Day Ahead Congestion + Energy	On Peak	537 MW	
HBP	NYISO	NYISO.DANSKAMMER_4_month_off_dac	DANSKAMMER_4	Generator	Day Ahead Congestion + Energy	Off Peak	537 MW	
HBQ	NYISO	NYISO.DUNKIRK_1_month_on_dac	DUNKIRK_1	Generator	Day Ahead Congestion + Energy	On Peak	627 MW	
HBR	NYISO	NYISO.DUNKIRK_1_month_off_dac	DUNKIRK_1	Generator	Day Ahead Congestion + Energy	Off Peak	627 MW	
HBW	NYISO	NYISO.EAST_RIVER_7_month_on_dac	EAST_RIVER_7	Generator	Day Ahead Congestion + Energy	On Peak	716 MW	
HBX	NYISO	NYISO.EAST_RIVER_7_month_off_dac	EAST_RIVER_7	Generator	Day Ahead Congestion + Energy	Off Peak	716 MW	
HBZ	NYISO	NYISO.EMPIRE_CC_1_month_on_dac	EMPIRE_CC_1	Generator	Day Ahead Congestion + Energy	On Peak	670 MW	
HHY	NYISO	NYISO.EMPIRE_CC_1_month_off_dac	EMPIRE_CC_1	Generator	Day Ahead Congestion + Energy	Off Peak	670 MW	
HHZ	NYISO	NYISO.E_CANADA_CAP_HY_month_on_dac	E_CANADA_CAP_HY	Generator	Day Ahead Congestion + Energy	On Peak	25 MW	
HCA	NYISO	NYISO.E_CANADA_CAP_HY_month_off_dac	E_CANADA_CAP_HY	Generator	Day Ahead Congestion + Energy	Off Peak	25 MW	
HCA	NYISO	NYISO.FAR_ROCKAWAY_4_month_on_dac	FAR_ROCKAWAY_4	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HCB	NYISO	NYISO.FAR_ROCKAWAY_4_month_off_dac	FAR_ROCKAWAY_4	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HCC	NYISO	NYISO.FITZPATRICK_month_on_dac	FITZPATRICK	Generator	Day Ahead Congestion + Energy	On Peak	882 MW	
HCD	NYISO	NYISO.FITZPATRICK_month_off_dac	FITZPATRICK	Generator	Day Ahead Congestion + Energy	Off Peak	882 MW	
HIA	NYISO	NYISO.FORT_ORANGE_month_on_dac	FORT_ORANGE	Generator	Day Ahead Congestion + Energy	On Peak	72 MW	
HIB	NYISO	NYISO.FORT_ORANGE_month_off_dac	FORT_ORANGE	Generator	Day Ahead Congestion + Energy	Off Peak	72 MW	
HIC	NYISO	NYISO.FORT_DRUM_COGEN_month_on_dac	FORT_DRUM_COGEN	Generator	Day Ahead Congestion + Energy	On Peak	58 MW	
HID	NYISO	NYISO.FORT_DRUM_COGEN_month_off_dac	FORT_DRUM_COGEN	Generator	Day Ahead Congestion + Energy	Off Peak	58 MW	
HCG	NYISO	NYISO.GILBOA_1_month_on_dac	GILBOA_1	Generator	Day Ahead Congestion + Energy	On Peak	1,000 MW	
HCH	NYISO	NYISO.GILBOA_1_month_off_dac	GILBOA_1	Generator	Day Ahead Congestion + Energy	Off Peak	1,000 MW	
HCI	NYISO	NYISO.GINNA_month_on_dac	GINNA	Generator	Day Ahead Congestion + Energy	On Peak	614 MW	
HCI	NYISO	NYISO.GINNA_month_off_dac	GINNA	Generator	Day Ahead Congestion + Energy	Off Peak	614 MW	
HCK	NYISO	NYISO.GLENWOOD_4_month_on_dac	GLENWOOD_4	Generator	Day Ahead Congestion + Energy	On Peak	338 MW	
HCL	NYISO	NYISO.GLENWOOD_4_month_off_dac	GLENWOOD_4	Generator	Day Ahead Congestion + Energy	Off Peak	338 MW	
HCM	NYISO	NYISO.GLOBAL_GREEN_PORT_GT1_month_on_dac	GLOBAL_GREEN_PORT_GT1	Generator	Day Ahead Congestion + Energy	On Peak	54 MW	
HCN	NYISO	NYISO.GLOBAL_GREEN_PORT_GT1_month_off_dac	GLOBAL_GREEN_PORT_GT1	Generator	Day Ahead Congestion + Energy	Off Peak	54 MW	
HCO	NYISO	NYISO.HISHELDN_WT_PWR_month_on_dac	HISHELDN_WT_PWR	Generator	Day Ahead Congestion + Energy	On Peak	113 MW	
HCP	NYISO	NYISO.HISHELDN_WT_PWR_month_off_dac	HISHELDN_WT_PWR	Generator	Day Ahead Congestion + Energy	Off Peak	113 MW	
HIE	NYISO	NYISO.HUDSON_AVE_GT_4_month_on_dac	HUDSON_AVE_GT_4	Generator	Day Ahead Congestion + Energy	On Peak	49 MW	
HIF	NYISO	NYISO.HUDSON_AVE_GT_4_month_off_dac	HUDSON_AVE_GT_4	Generator	Day Ahead Congestion + Energy	Off Peak	49 MW	
HCW	NYISO	NYISO.HUNTLEY_67_month_on_dac	HUNTLEY_67	Generator	Day Ahead Congestion + Energy	On Peak	436 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HXC	NYISO	NYISO.HUNTLEY_67_month_off_dac	HUNTLEY_67	Generator	Day Ahead Congestion + Energy	Off Peak	436 MW	
HCY	NYISO	NYISO.INDECK_CORINTH_month_on_dac	INDECK_CORINTH	Generator	Day Ahead Congestion + Energy	On Peak	147 MW	
HCZ	NYISO	NYISO.INDECK_CORINTH_month_off_dac	INDECK_CORINTH	Generator	Day Ahead Congestion + Energy	Off Peak	147 MW	
HIG	NYISO	NYISO.INDECK_OLEAN_month_on_dac	INDECK_OLEAN	Generator	Day Ahead Congestion + Energy	On Peak	91 MW	
HIH	NYISO	NYISO.INDECK_OLEAN_month_off_dac	INDECK_OLEAN	Generator	Day Ahead Congestion + Energy	Off Peak	91 MW	
HIJ	NYISO	NYISO.INDIAN POINT_GT_2_month_on_dac	INDIAN POINT_GT_2	Generator	Day Ahead Congestion + Energy	On Peak	1,299 MW	
HIU	NYISO	NYISO.INDIAN POINT_GT_2_month_off_dac	INDIAN POINT_GT_2	Generator	Day Ahead Congestion + Energy	Off Peak	1,299 MW	
HDA	NYISO	NYISO.INDIAN POINT_2_month_on_dac	INDIAN POINT_2	Generator	Day Ahead Congestion + Energy	On Peak	1,299 MW	
HDB	NYISO	NYISO.INDIAN POINT_2_month_off_dac	INDIAN POINT_2	Generator	Day Ahead Congestion + Energy	Off Peak	1,299 MW	
HDC	NYISO	NYISO.KIAC JFK GT2_month_on_dac	KIAC JFK GT2	Generator	Day Ahead Congestion + Energy	On Peak	121 MW	
HDD	NYISO	NYISO.KIAC JFK GT2_month_off_dac	KIAC JFK GT2	Generator	Day Ahead Congestion + Energy	Off Peak	121 MW	
HDE	NYISO	NYISO.KINTIGH_month_on_dac	KINTIGH	Generator	Day Ahead Congestion + Energy	On Peak	655 MW	
HDF	NYISO	NYISO.KINTIGH_month_off_dac	KINTIGH	Generator	Day Ahead Congestion + Energy	Off Peak	655 MW	
HDG	NYISO	NYISO.LINDEN COGEN_month_on_dac	LINDEN COGEN	Generator	Day Ahead Congestion + Energy	On Peak	1,035 MW	
HDH	NYISO	NYISO.LINDEN COGEN_month_off_dac	LINDEN COGEN	Generator	Day Ahead Congestion + Energy	Off Peak	1,035 MW	
HDK	NYISO	NYISO.MAPLE RIDGE_WT_1_month_on_dac	MAPLE RIDGE_WT_1	Generator	Day Ahead Congestion + Energy	On Peak	322 MW	
HDL	NYISO	NYISO.MAPLE RIDGE_WT_1_month_off_dac	MAPLE RIDGE_WT_1	Generator	Day Ahead Congestion + Energy	Off Peak	322 MW	
HGU	NYISO	NYISO.MARBLE RIVER_WT_PWR_month_on_dac	MARBLE RIVER_WT_PWR	Generator	Day Ahead Congestion + Energy	On Peak	216 MW	
HGV	NYISO	NYISO.MARBLE RIVER_WT_PWR_month_off_dac	MARBLE RIVER_WT_PWR	Generator	Day Ahead Congestion + Energy	Off Peak	216 MW	
HDO	NYISO	NYISO.MILLIKEN_2_month_on_dac	MILLIKEN_2	Generator	Day Ahead Congestion + Energy	On Peak	328 MW	
HDP	NYISO	NYISO.MILLIKEN_2_month_off_dac	MILLIKEN_2	Generator	Day Ahead Congestion + Energy	Off Peak	328 MW	
HIK	NYISO	NYISO.MILLSEAT_LFGE_month_on_dac	MILLSEAT_LFGE	Generator	Day Ahead Congestion + Energy	On Peak	6 MW	
HIL	NYISO	NYISO.MILLSEAT_LFGE_month_off_dac	MILLSEAT_LFGE	Generator	Day Ahead Congestion + Energy	Off Peak	6 MW	
HDW	NYISO	NYISO.NARROWS GT1_6_month_on_dac	NARROWS GT1_6	Generator	Day Ahead Congestion + Energy	On Peak	352 MW	
HDX	NYISO	NYISO.NARROWS GT1_6_month_off_dac	NARROWS GT1_6	Generator	Day Ahead Congestion + Energy	Off Peak	352 MW	
HDY	NYISO	NYISO.NEG NORTH_FLCN_SEA_month_on_dac	NEG NORTH_FLCN_SEA	Generator	Day Ahead Congestion + Energy	On Peak	286 MW	
HDZ	NYISO	NYISO.NEG NORTH_FLCN_SEA_month_off_dac	NEG NORTH_FLCN_SEA	Generator	Day Ahead Congestion + Energy	Off Peak	286 MW	
HEA	NYISO	NYISO.NEG WEST_LEA_LOCKPORT_month_on_dac	NEG WEST_LEA_LOCKPORT	Generator	Day Ahead Congestion + Energy	On Peak	221 MW	
HEB	NYISO	NYISO.NEG WEST_LEA_LOCKPORT_month_off_dac	NEG WEST_LEA_LOCKPORT	Generator	Day Ahead Congestion + Energy	Off Peak	221 MW	
HEC	NYISO	NYISO.NEVERSINK_HYD_month_on_dac	NEVERSINK_HYD	Generator	Day Ahead Congestion + Energy	On Peak	25 MW	
HED	NYISO	NYISO.NEVERSINK_HYD_month_off_dac	NEVERSINK_HYD	Generator	Day Ahead Congestion + Energy	Off Peak	25 MW	
HEE	NYISO	NYISO.NIAGARA_month_on_dac	NIAGARA	Generator	Day Ahead Congestion + Energy	On Peak	2,429 MW	
HEF	NYISO	NYISO.NIAGARA_month_off_dac	NIAGARA	Generator	Day Ahead Congestion + Energy	Off Peak	2,429 MW	
HEG	NYISO	NYISO.NINE_MILE_1_month_on_dac	NINE_MILE_1	Generator	Day Ahead Congestion + Energy	On Peak	1,901 MW	
HEH	NYISO	NYISO.NINE_MILE_1_month_off_dac	NINE_MILE_1	Generator	Day Ahead Congestion + Energy	Off Peak	1,901 MW	
HEK	NYISO	NYISO.NORTHPORT_1_month_on_dac	NORTHPORT_1	Generator	Day Ahead Congestion + Energy	On Peak	1,564 MW	
HEL	NYISO	NYISO.NORTHPORT_1_month_off_dac	NORTHPORT_1	Generator	Day Ahead Congestion + Energy	Off Peak	1,564 MW	
HEM	NYISO	NYISO.NORTHPORT_3_month_on_dac	NORTHPORT_3	Generator	Day Ahead Congestion + Energy	On Peak	1,564 MW	
HEN	NYISO	NYISO.NORTHPORT_3_month_off_dac	NORTHPORT_3	Generator	Day Ahead Congestion + Energy	Off Peak	1,564 MW	
HEU	NYISO	NYISO.NYPA_BRENTWD_GT_month_on_dac	NYPA_BRENTWD_GT	Generator	Day Ahead Congestion + Energy	On Peak	50 MW	
HEV	NYISO	NYISO.NYPA_BRENTWD_GT_month_off_dac	NYPA_BRENTWD_GT	Generator	Day Ahead Congestion + Energy	Off Peak	50 MW	
HEW	NYISO	NYISO.NYPA_GOWANUS_GT5_month_on_dac	NYPA_GOWANUS_GT5	Generator	Day Ahead Congestion + Energy	On Peak	640 MW	
HEX	NYISO	NYISO.NYPA_GOWANUS_GT5_month_off_dac	NYPA_GOWANUS_GT5	Generator	Day Ahead Congestion + Energy	Off Peak	640 MW	
HIO	NYISO	NYISO.NYPA_HARLEM_RVR_GT2_month_on_dac	NYPA_HARLEM_RVR_GT2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HIP	NYISO	NYISO.NYPA_HARLEM_RVR_GT2_month_off_dac	NYPA_HARLEM_RVR_GT2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HEY	NYISO	NYISO.NYPA_POUCH1_GT_month_on_dac	NYPA_POUCH1_GT	Generator	Day Ahead Congestion + Energy	On Peak	50 MW	
HEZ	NYISO	NYISO.NYPA_POUCH1_GT_month_off_dac	NYPA_POUCH1_GT	Generator	Day Ahead Congestion + Energy	Off Peak	50 MW	
HFA	NYISO	NYISO.NYPA_VERNON_GT2_month_on_dac	NYPA_VERNON_GT2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HFB	NYISO	NYISO.NYPA_VERNON_GT2_month_off_dac	NYPA_VERNON_GT2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HEQ	NYISO	NYISO.NYPA_ASTORIA_CC1_month_on_dac	NYPA_ASTORIA_CC1	Generator	Day Ahead Congestion + Energy	On Peak	520 MW	
HER	NYISO	NYISO.NYPA_ASTORIA_CC1_month_off_dac	NYPA_ASTORIA_CC1	Generator	Day Ahead Congestion + Energy	Off Peak	520 MW	
HES	NYISO	NYISO.NYPA_HOLTSVILL_month_on_dac	NYPA_HOLTSVILL	Generator	Day Ahead Congestion + Energy	On Peak	567 MW	
HET	NYISO	NYISO.NYPA_HOLTSVILL_month_off_dac	NYPA_HOLTSVILL	Generator	Day Ahead Congestion + Energy	Off Peak	567 MW	
HIM	NYISO	NYISO.NYPA_HELLGATE_GT2_month_on_dac	NYPA_HELLGATE_GT2	Generator	Day Ahead Congestion + Energy	On Peak	100 MW	
HIN	NYISO	NYISO.NYPA_HELLGATE_GT2_month_off_dac	NYPA_HELLGATE_GT2	Generator	Day Ahead Congestion + Energy	Off Peak	100 MW	
HFE	NYISO	NYISO.OSWEGO_5_month_on_dac	OSWEGO_5	Generator	Day Ahead Congestion + Energy	On Peak	1,804 MW	
HFF	NYISO	NYISO.OSWEGO_5_month_off_dac	OSWEGO_5	Generator	Day Ahead Congestion + Energy	Off Peak	1,804 MW	
HFG	NYISO	NYISO.PINELAWN_CC_1_month_on_dac	PINELAWN_CC_1	Generator	Day Ahead Congestion + Energy	On Peak	82 MW	
HFH	NYISO	NYISO.PINELAWN_CC_1_month_off_dac	PINELAWN_CC_1	Generator	Day Ahead Congestion + Energy	Off Peak	82 MW	
HFM	NYISO	NYISO.PORT_JEFF_3_month_on_dac	PORT_JEFF_3	Generator	Day Ahead Congestion + Energy	On Peak	498 MW	
HFN	NYISO	NYISO.PORT_JEFF_3_month_off_dac	PORT_JEFF_3	Generator	Day Ahead Congestion + Energy	Off Peak	498 MW	
HFO	NYISO	NYISO.RAVENSWOOD_1_month_on_dac	RAVENSWOOD_1	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFP	NYISO	NYISO.RAVENSWOOD_1_month_off_dac	RAVENSWOOD_1	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFQ	NYISO	NYISO.RAVENSWOOD_2_month_on_dac	RAVENSWOOD_2	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFR	NYISO	NYISO.RAVENSWOOD_2_month_off_dac	RAVENSWOOD_2	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFS	NYISO	NYISO.RAVENSWOOD_3_month_on_dac	RAVENSWOOD_3	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFT	NYISO	NYISO.RAVENSWOOD_3_month_off_dac	RAVENSWOOD_3	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFU	NYISO	NYISO.RAVENSWOOD_4_month_on_dac	RAVENSWOOD_4	Generator	Day Ahead Congestion + Energy	On Peak	2,625 MW	
HFV	NYISO	NYISO.RAVENSWOOD_4_month_off_dac	RAVENSWOOD_4	Generator	Day Ahead Congestion + Energy	Off Peak	2,625 MW	
HFW	NYISO	NYISO.RENSSELAER_COGEN_month_on_dac	RENSSELAER_COGEN	Generator	Day Ahead Congestion + Energy	On Peak	104 MW	
HFY	NYISO	NYISO.RENSSELAER_COGEN_month_off_dac	RENSSELAER_COGEN	Generator	Day Ahead Congestion + Energy	Off Peak	104 MW	
HFZ	NYISO	NYISO.ROSETON_1_month_on_dac	ROSETON_1	Generator	Day Ahead Congestion + Energy	On Peak	1,242 MW	
HGA	NYISO	NYISO.ROSETON_1_month_off_dac	ROSETON_1	Generator	Day Ahead Congestion + Energy	Off Peak	1,242 MW	
HGB	NYISO	NYISO.SELKIRK_1_month_on_dac	SELKIRK_1	Generator	Day Ahead Congestion + Energy	On Peak	446 MW	
HGC	NYISO	NYISO.SELKIRK_1_month_off_dac	SELKIRK_1	Generator	Day Ahead Congestion + Energy	Off Peak	446 MW	
HGD	NYISO	NYISO.SITHE_INDEPEND_month_on_dac	SITHE_INDEPEND	Generator	Day Ahead Congestion + Energy	On Peak	1,086 MW	
HGE	NYISO	NYISO.SITHE_INDEPEND_month_off_dac	SITHE_INDEPEND	Generator	Day Ahead Congestion + Energy	Off Peak	1,086 MW	
HGF	NYISO	NYISO.SITHE_MASSENA_month_on_dac	SITHE_MASSENA	Generator	Day Ahead Congestion + Energy	On Peak	102 MW	
HGG	NYISO	NYISO.SITHE_MASSENA_month_off_dac	SITHE_MASSENA	Generator	Day Ahead Congestion + Energy	Off Peak	102 MW	
HGH	NYISO	NYISO.ST_LAWRENCE_month_on_dac	ST_LAWRENCE	Generator	Day Ahead Congestion + Energy	On Peak	1,088 MW	
HGI	NYISO	NYISO.ST_LAWRENCE_month_off_dac	ST_LAWRENCE	Generator	Day Ahead Congestion + Energy	Off Peak	1,088 MW	
HIQ	NYISO	NYISO.STATION_5_MISC_HYD_month_on_dac	STATION_5_MISC_HYD	Generator	Day Ahead Congestion + Energy	On Peak	72 MW	
HIR	NYISO	NYISO.STATION_5_MISC_HYD_month_off_dac	STATION_5_MISC_HYD	Generator	Day Ahead Congestion + Energy	Off Peak	72 MW	
HGI	NYISO	NYISO.STEEL_WIND_month_on_dac	STEEL_WIND	Generator	Day Ahead Congestion + Energy	On Peak	20 MW	
HGJ	NYISO	NYISO.STEEL_WIND_month_off_dac	STEEL_WIND	Generator	Day Ahead Congestion + Energy	Off Peak	20 MW	
HGK	NYISO	NYISO.UPPER_RAQUET_HYD_month_on_dac	UPPER_RAQUET_HYD	Generator	Day Ahead Congestion + Energy	On Peak	101 MW	
HGL	NYISO	NYISO.UPPER_RAQUET_HYD_month_off_dac	UPPER_RAQUET_HYD	Generator	Day Ahead Congestion + Energy	Off Peak	101 MW	
HGM	NYISO	NYISO.WADING_RIVER_IC_1_month_on_dac	WADING_RIVER_IC_1	Generator	Day Ahead Congestion + Energy	On Peak	239 MW	
HGN	NYISO	NYISO.WADING_RIVER_IC_1_month_off_dac	WADING_RIVER_IC_1	Generator	Day Ahead Congestion + Energy	Off Peak	239 MW	
HGQ	NYISO	NYISO.WEST_BABYLON_IC_month_on_dac	WEST_BABYLON_IC	Generator	Day Ahead Congestion + Energy	On Peak	52 MW	
HGR	NYISO	NYISO.WEST_BABYLON_IC_month_off_dac	WEST_BABYLON_IC	Generator	Day Ahead Congestion + Energy	Off Peak	52 MW	
HGS	NYISO	NYISO.WETHRSFD_WT_PWR_month_on_dac	WETHRSFD_WT_PWR	Generator	Day Ahead Congestion + Energy	On Peak	126 MW	
HGT	NYISO	NYISO.WETHRSFD_WT_PWR_month_off_dac	WETHRSFD_WT_PWR	Generator	Day Ahead Congestion + Energy	Off Peak	126 MW	
GG5	PJM	PJM.1_LASALL24_KVLA-2_month_on_dac	1_LASALL24_KVLA-2	Generator	Day Ahead Congestion + Energy	On Peak	2,340 MW	
GGT	PJM	PJM.1_LASALL24_KVLA-2_month_off_dac	1_LASALL24_KVLA-2	Generator	Day Ahead Congestion + Energy	Off Peak	2,340 MW	
HIW	PJM	PJM.196_KATY34.5_KVTCROPWF_month_on_dac	196_KATY34.5_KVTCROPWF	Generator	Day Ahead Congestion + Energy	On Peak	300 MW	
HIX	PJM	PJM.196_KATY34.5_KVTCROPWF_month_off_dac	196_KATY34.5_KVTCROPWF	Generator	Day Ahead Congestion + Energy	Off Peak	300 MW	
GGU	PJM	PJM.20_BRAID24_KVBR-2_month_on_dac	20_BRAID24_KVBR-2	Generator	Day Ahead Congestion + Energy	On Peak	2,450 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GGV	PJM	PJM.20 BRAID24 KVBR-2_month_off_dac	20 BRAID24 KVBR-2	Generator	Day Ahead Congestion + Energy	Off Peak	2,450 MW	
GJU	PJM	PJM.4 QUAD C18 KVQC-1_month_on_dac	4 QUAD C18 KVQC-1	Generator	Day Ahead Congestion + Energy	On Peak	2,019 MW	
GJV	PJM	PJM.4 QUAD C18 KVQC-1_month_off_dac	4 QUAD C18 KVQC-1	Generator	Day Ahead Congestion + Energy	Off Peak	2,019 MW	
GCY	PJM	PJM.6 BYRON25 KVBY-1_month_on_dac	6 BYRON25 KVBY-1	Generator	Day Ahead Congestion + Energy	On Peak	2,450 MW	
GCZ	PJM	PJM.6 BYRON25 KVBY-1_month_off_dac	6 BYRON25 KVBY-1	Generator	Day Ahead Congestion + Energy	Off Peak	2,450 MW	
GJW	PJM	PJM.6 BYRON25 KVBY-2_month_on_dac	6 BYRON25 KVBY-2	Generator	Day Ahead Congestion + Energy	On Peak	2,450 MW	
GJX	PJM	PJM.6 BYRON25 KVBY-2_month_off_dac	6 BYRON25 KVBY-2	Generator	Day Ahead Congestion + Energy	Off Peak	2,450 MW	
HIY	PJM	PJM.989 TWIN34.5 KVHTRAILWF_month_on_dac	989 TWIN34.5 KVHTRAILWF	Generator	Day Ahead Congestion + Energy	On Peak	198 MW	
HIZ	PJM	PJM.989 TWIN34.5 KVHTRAILWF_month_off_dac	989 TWIN34.5 KVHTRAILWF	Generator	Day Ahead Congestion + Energy	Off Peak	198 MW	
GGW	PJM	PJM.AMOS26 KVAM2_month_on_dac	AMOS26 KVAM2	Generator	Day Ahead Congestion + Energy	On Peak	2,933 MW	
GGX	PJM	PJM.AMOS26 KVAM2_month_off_dac	AMOS26 KVAM2	Generator	Day Ahead Congestion + Energy	Off Peak	2,933 MW	
GDG	PJM	PJM.AMOS26 KVAM3_month_on_dac	AMOS26 KVAM3	Generator	Day Ahead Congestion + Energy	On Peak	2,933 MW	
GDH	PJM	PJM.AMOS26 KVAM3_month_off_dac	AMOS26 KVAM3	Generator	Day Ahead Congestion + Energy	Off Peak	2,933 MW	
GJY	PJM	PJM.AVONLAK214 KVUN7_month_on_dac	AVONLAK214 KVUN7	Generator	Day Ahead Congestion + Energy	On Peak	795 MW	
GJZ	PJM	PJM.AVONLAK214 KVUN7_month_off_dac	AVONLAK214 KVUN7	Generator	Day Ahead Congestion + Energy	Off Peak	795 MW	
HTK	PJM	PJM.AVONLAK220 KVUN9_month_on_dac	AVONLAK220 KVUN9	Generator	Day Ahead Congestion + Energy	On Peak	795 MW	
HTL	PJM	PJM.AVONLAK220 KVUN9_month_off_dac	AVONLAK220 KVUN9	Generator	Day Ahead Congestion + Energy	Off Peak	795 MW	
GKA	PJM	PJM.BATHCO20 KVGM1_month_on_dac	BATHCO20 KVGM1	Generator	Day Ahead Congestion + Energy	On Peak	2,862 MW	
GKB	PJM	PJM.BATHCO20 KVGM1_month_off_dac	BATHCO20 KVGM1	Generator	Day Ahead Congestion + Energy	Off Peak	2,862 MW	
GDM	PJM	PJM.BEAV DUQ22 KVUNIT1_month_on_dac	BEAV DUQ22 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	1,847 MW	
GDN	PJM	PJM.BEAV DUQ22 KVUNIT1_month_off_dac	BEAV DUQ22 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	1,847 MW	
GKC	PJM	PJM.BEAVER13.2 KVWL-A_month_on_dac	BEAVER13.2 KVWL-A	Generator	Day Ahead Congestion + Energy	On Peak	149 MW	
GKD	PJM	PJM.BEAVER13.2 KVWL-A_month_off_dac	BEAVER13.2 KVWL-A	Generator	Day Ahead Congestion + Energy	Off Peak	149 MW	
GGY	PJM	PJM.BRANDONS24 KVGEN 01_month_on_dac	BRANDONS24 KVGEN 01	Generator	Day Ahead Congestion + Energy	On Peak	1,370 MW	
GGZ	PJM	PJM.BRANDONS24 KVGEN 01_month_off_dac	BRANDONS24 KVGEN 01	Generator	Day Ahead Congestion + Energy	Off Peak	1,370 MW	
GDQ	PJM	PJM.BRUNNERI24 KVUNIT03_month_on_dac	BRUNNERI24 KVUNIT03	Generator	Day Ahead Congestion + Energy	On Peak	1,567 MW	
GDR	PJM	PJM.BRUNNERI24 KVUNIT03_month_off_dac	BRUNNERI24 KVUNIT03	Generator	Day Ahead Congestion + Energy	Off Peak	1,567 MW	
GDU	PJM	PJM.CALVERTC22 KVGEN 02_month_on_dac	CALVERTC22 KVGEN 02	Generator	Day Ahead Congestion + Energy	On Peak	1,829 MW	
GDV	PJM	PJM.CALVERTC22 KVGEN 02_month_off_dac	CALVERTC22 KVGEN 02	Generator	Day Ahead Congestion + Energy	Off Peak	1,829 MW	
GDW	PJM	PJM.CALVERTC25 KVGEN 01_month_on_dac	CALVERTC25 KVGEN 01	Generator	Day Ahead Congestion + Energy	On Peak	1,829 MW	
GDX	PJM	PJM.CALVERTC25 KVGEN 01_month_off_dac	CALVERTC25 KVGEN 01	Generator	Day Ahead Congestion + Energy	Off Peak	1,829 MW	
HTM	PJM	PJM.CHALKPT20 KVCHLKG1_month_on_dac	CHALKPT20 KVCHLKG1	Generator	Day Ahead Congestion + Energy	On Peak	2,647 MW	
HTN	PJM	PJM.CHALKPT20 KVCHLKG1_month_off_dac	CHALKPT20 KVCHLKG1	Generator	Day Ahead Congestion + Energy	Off Peak	2,647 MW	
GHA	PJM	PJM.CHESWICK24 KVUNIT1_month_on_dac	CHESWICK24 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	637 MW	
GHB	PJM	PJM.CHESWICK24 KVUNIT1_month_off_dac	CHESWICK24 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	637 MW	
GDY	PJM	PJM.CLOVER25 KVG2_month_on_dac	CLOVER25 KVG2	Generator	Day Ahead Congestion + Energy	On Peak	848 MW	
GDZ	PJM	PJM.CLOVER25 KVG2_month_off_dac	CLOVER25 KVG2	Generator	Day Ahead Congestion + Energy	Off Peak	848 MW	
GEC	PJM	PJM.CONEMAUG22 KVUNIT 1_month_on_dac	CONEMAUG22 KVUNIT 1	Generator	Day Ahead Congestion + Energy	On Peak	1,883 MW	
GED	PJM	PJM.CONEMAUG22 KVUNIT 1_month_off_dac	CONEMAUG22 KVUNIT 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,883 MW	
GHC	PJM	PJM.CONOWING13 KVGEN1_month_on_dac	CONOWING13 KVGEN1	Generator	Day Ahead Congestion + Energy	On Peak	507 MW	
GHD	PJM	PJM.CONOWING13 KVGEN1_month_off_dac	CONOWING13 KVGEN1	Generator	Day Ahead Congestion + Energy	Off Peak	507 MW	
GHE	PJM	PJM.COOK26 KVCK1_month_on_dac	COOK26 KVCK1	Generator	Day Ahead Congestion + Energy	On Peak	2,285 MW	
GHF	PJM	PJM.COOK26 KVCK1_month_off_dac	COOK26 KVCK1	Generator	Day Ahead Congestion + Energy	Off Peak	2,285 MW	
GHG	PJM	PJM.COOK26 KVCK2_month_on_dac	COOK26 KVCK2	Generator	Day Ahead Congestion + Energy	On Peak	2,285 MW	
GHH	PJM	PJM.COOK26 KVCK2_month_off_dac	COOK26 KVCK2	Generator	Day Ahead Congestion + Energy	Off Peak	2,285 MW	
HJK	PJM	PJM.DAVISBES25 KVDB10_month_on_dac	DAVISBES25 KVDB10	Generator	Day Ahead Congestion + Energy	On Peak	925 MW	
HJL	PJM	PJM.DAVISBES25 KVDB10_month_off_dac	DAVISBES25 KVDB10	Generator	Day Ahead Congestion + Energy	Off Peak	925 MW	
HTO	PJM	PJM.DICKERSO13 KVSTADG1_month_on_dac	DICKERSO13 KVSTADG1	Generator	Day Ahead Congestion + Energy	On Peak	930 MW	
HTP	PJM	PJM.DICKERSO13 KVSTADG1_month_off_dac	DICKERSO13 KVSTADG1	Generator	Day Ahead Congestion + Energy	Off Peak	930 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GHK	PJM	PJM.DRESDEN18 KVSTM1_month_on_dac	DRESDEN18 KVSTM1	Generator	Day Ahead Congestion + Energy	On Peak	580 MW	
GHL	PJM	PJM.DRESDEN18 KVSTM1_month_off_dac	DRESDEN18 KVSTM1	Generator	Day Ahead Congestion + Energy	Off Peak	580 MW	
GKE	PJM	PJM.EASTLAKE24 KVUN5_month_on_dac	EASTLAKE24 KVUN5	Generator	Day Ahead Congestion + Energy	On Peak	1,289 MW	
GKF	PJM	PJM.EASTLAKE24 KVUN5_month_off_dac	EASTLAKE24 KVUN5	Generator	Day Ahead Congestion + Energy	Off Peak	1,289 MW	
HQY	PJM	PJM.EBEND20 KVEB2_month_on_dac	EBEND20 KVEB2	Generator	Day Ahead Congestion + Energy	On Peak	669 MW	
HQZ	PJM	PJM.EBEND20 KVEB2_month_off_dac	EBEND20 KVEB2	Generator	Day Ahead Congestion + Energy	Off Peak	669 MW	
HQW	PJM	PJM.EBEND20 KVEB2_month_on_dap	EBEND20 KVEB2	Generator	Day Ahead Power	On Peak	669 MW	
HQX	PJM	PJM.EBEND20 KVEB2_month_off_dap	EBEND20 KVEB2	Generator	Day Ahead Power	Off Peak	669 MW	
EBO	PJM	PJM.EDGEMOOR13 KVHAYRD4_month_on_dap	EDGEMOOR13 KVHAYRD4	Generator	Day Ahead Power	On Peak	710 MW	
EBP	PJM	PJM.EDGEMOOR13 KVHAYRD4_month_off_dap	EDGEMOOR13 KVHAYRD4	Generator	Day Ahead Power	Off Peak	710 MW	
EBQ	PJM	PJM.EDGEMOOR18 KVHAYRD8_month_on_dap	EDGEMOOR18 KVHAYRD8	Generator	Day Ahead Power	On Peak	710 MW	
EBR	PJM	PJM.EDGEMOOR18 KVHAYRD8_month_off_dap	EDGEMOOR18 KVHAYRD8	Generator	Day Ahead Power	Off Peak	710 MW	
GHQ	PJM	PJM.FOWLER34.5 KVFWLR1AWF_month_on_dac	FOWLER34.5 KVFWLR1AWF	Generator	Day Ahead Congestion + Energy	On Peak	600 MW	
GHR	PJM	PJM.FOWLER34.5 KVFWLR1AWF_month_off_dac	FOWLER34.5 KVFWLR1AWF	Generator	Day Ahead Congestion + Energy	Off Peak	600 MW	
HIS	PJM	PJM.FRACKVIL69 KVGLBNUG_month_on_dac	FRACKVIL69 KVGLBNUG	Generator	Day Ahead Congestion + Energy	On Peak	88 MW	
HIT	PJM	PJM.FRACKVIL69 KVGLBNUG_month_off_dac	FRACKVIL69 KVGLBNUG	Generator	Day Ahead Congestion + Energy	Off Peak	88 MW	
GTI	PJM	PJM.FREMONT18 KVFT1_month_on_dac	FREMONT18 KVFT1	Generator	Day Ahead Congestion + Energy	On Peak	685 MW	
GTJ	PJM	PJM.FREMONT18 KVFT1_month_off_dac	FREMONT18 KVFT1	Generator	Day Ahead Congestion + Energy	Off Peak	685 MW	
GXI	PJM	PJM.FTMARTIN22 KVG12_month_on_dac	FTMARTIN22 KVG12	Generator	Day Ahead Congestion + Energy	On Peak	1,152 MW	
GXJ	PJM	PJM.FTMARTIN22 KVG12_month_off_dac	FTMARTIN22 KVG12	Generator	Day Ahead Congestion + Energy	Off Peak	1,152 MW	
GXX	PJM	PJM.GUILFORD138 KVG12_month_on_dac	GUILFORD138 KVG12	Generator	Day Ahead Congestion + Energy	On Peak	88 MW	
GXL	PJM	PJM.GUILFORD138 KVG12_month_off_dac	GUILFORD138 KVG12	Generator	Day Ahead Congestion + Energy	Off Peak	88 MW	
GXC	PJM	PJM.HARR APS20 KVG12_month_on_dac	HARR APS20 KVG12	Generator	Day Ahead Congestion + Energy	On Peak	2,052 MW	
GXD	PJM	PJM.HARR APS20 KVG12_month_off_dac	HARR APS20 KVG12	Generator	Day Ahead Congestion + Energy	Off Peak	2,052 MW	
GVU	PJM	PJM.HARR APS20 KVG12_month_on_dap	HARR APS20 KVG12	Generator	Day Ahead Power	On Peak	2,052 MW	
GVV	PJM	PJM.HARR APS20 KVG12_month_off_dap	HARR APS20 KVG12	Generator	Day Ahead Power	Off Peak	2,052 MW	
GXE	PJM	PJM.HARR APS20 KVG2_month_on_dac	HARR APS20 KVG2	Generator	Day Ahead Congestion + Energy	On Peak	2,052 MW	
GXF	PJM	PJM.HARR APS20 KVG2_month_off_dac	HARR APS20 KVG2	Generator	Day Ahead Congestion + Energy	Off Peak	2,052 MW	
GXA	PJM	PJM.HATFIELD18 KVG12_month_on_dac	HATFIELD18 KVG12	Generator	Day Ahead Congestion + Energy	On Peak	1,728 MW	
GXB	PJM	PJM.HATFIELD18 KVG12_month_off_dac	HATFIELD18 KVG12	Generator	Day Ahead Congestion + Energy	Off Peak	1,728 MW	
EHK	PJM	PJM.HATFIELD18 KVG12_month_on_dap	HATFIELD18 KVG12	Generator	Day Ahead Power	On Peak	1,728 MW	
EHL	PJM	PJM.HATFIELD18 KVG12_month_off_dap	HATFIELD18 KVG12	Generator	Day Ahead Power	Off Peak	1,728 MW	
GTK	PJM	PJM.HOMERCIT24 KVUNIT3_month_on_dac	HOMERCIT24 KVUNIT3	Generator	Day Ahead Congestion + Energy	On Peak	2,012 MW	
GTL	PJM	PJM.HOMERCIT24 KVUNIT3_month_off_dac	HOMERCIT24 KVUNIT3	Generator	Day Ahead Congestion + Energy	Off Peak	2,012 MW	
HTS	PJM	PJM.HUNTERST22 KVST401_month_on_dac	HUNTERST22 KVST401	Generator	Day Ahead Congestion + Energy	On Peak	958 MW	
HTT	PJM	PJM.HUNTERST22 KVST401_month_off_dac	HUNTERST22 KVST401	Generator	Day Ahead Congestion + Energy	Off Peak	958 MW	
GES	PJM	PJM.INDIANR26 KVUNIT04_month_on_dac	INDIANR26 KVUNIT04	Generator	Day Ahead Congestion + Energy	On Peak	800 MW	
GET	PJM	PJM.INDIANR26 KVUNIT04_month_off_dac	INDIANR26 KVUNIT04	Generator	Day Ahead Congestion + Energy	Off Peak	800 MW	
GJM	PJM	PJM.IRONWOOD16 KVCT-1_month_on_dac	IRONWOOD16 KVCT-1	Generator	Day Ahead Congestion + Energy	On Peak	778 MW	
GJN	PJM	PJM.IRONWOOD16 KVCT-1_month_off_dac	IRONWOOD16 KVCT-1	Generator	Day Ahead Congestion + Energy	Off Peak	778 MW	
GHU	PJM	PJM.KAMMER215.5 KVCM1_month_on_dac	KAMMER215.5 KVCM1	Generator	Day Ahead Congestion + Energy	On Peak	713 MW	
GHV	PJM	PJM.KAMMER215.5 KVCM1_month_off_dac	KAMMER215.5 KVCM1	Generator	Day Ahead Congestion + Energy	Off Peak	713 MW	
GHW	PJM	PJM.KAMMER226 KVML1_month_on_dac	KAMMER226 KVML1	Generator	Day Ahead Congestion + Energy	On Peak	713 MW	
GHX	PJM	PJM.KAMMER226 KVML1_month_off_dac	KAMMER226 KVML1	Generator	Day Ahead Congestion + Energy	Off Peak	713 MW	
GHY	PJM	PJM.KAMMER226 KVML2_month_on_dac	KAMMER226 KVML2	Generator	Day Ahead Congestion + Energy	On Peak	713 MW	
GHZ	PJM	PJM.KAMMER226 KVML2_month_off_dac	KAMMER226 KVML2	Generator	Day Ahead Congestion + Energy	Off Peak	713 MW	
GEW	PJM	PJM.KEYSTONE20 KVUNIT1_month_on_dac	KEYSTONE20 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	1,884 MW	
GEX	PJM	PJM.KEYSTONE20 KVUNIT1_month_off_dac	KEYSTONE20 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	1,884 MW	
GEY	PJM	PJM.LIMERICK20 KVUNIT01_month_on_dac	LIMERICK20 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	2,277 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GEZ	PJM	PJM.LIMERICK20 KVUNIT01_month_off_dac	LIMERICK20 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	2,277 MW	
GJO	PJM	PJM.LIMERICK20 KVUNIT02_month_on_dac	LIMERICK20 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	2,277 MW	
GJP	PJM	PJM.LIMERICK20 KVUNIT02_month_off_dac	LIMERICK20 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	2,277 MW	
GFA	PJM	PJM.LINDEN18 KV1101 CT_month_on_dac	LINDEN18 KV1101 CT	Generator	Day Ahead Congestion + Energy	On Peak	1,589 MW	
GFB	PJM	PJM.LINDEN18 KV1101 CT_month_off_dac	LINDEN18 KV1101 CT	Generator	Day Ahead Congestion + Energy	Off Peak	1,589 MW	
GFC	PJM	PJM.LINWDPE18 KVCT1_month_on_dac	LINWDPE18 KVCT1	Generator	Day Ahead Congestion + Energy	On Peak	840 MW	
GFD	PJM	PJM.LINWDPE18 KVCT1_month_off_dac	LINWDPE18 KVCT1	Generator	Day Ahead Congestion + Energy	Off Peak	840 MW	
HJM	PJM	PJM.MANSFIEL17 KVUN1_month_on_dac	MANSFIEL17 KVUN1	Generator	Day Ahead Congestion + Energy	On Peak	2,741 MW	
HJN	PJM	PJM.MANSFIEL17 KVUN1_month_off_dac	MANSFIEL17 KVUN1	Generator	Day Ahead Congestion + Energy	Off Peak	2,741 MW	
GXG	PJM	PJM.MARLOWE11 KVRPSMITH3_month_on_dac	MARLOWE11 KVRPSMITH3	Generator	Day Ahead Congestion + Energy	On Peak	110 MW	
GXH	PJM	PJM.MARLOWE11 KVRPSMITH3_month_off_dac	MARLOWE11 KVRPSMITH3	Generator	Day Ahead Congestion + Energy	Off Peak	110 MW	
GIA	PJM	PJM.MARTINSC24 KVUNIT03_month_on_dac	MARTINSC24 KVUNIT03	Generator	Day Ahead Congestion + Energy	On Peak	1,795 MW	
GIB	PJM	PJM.MARTINSC24 KVUNIT03_month_off_dac	MARTINSC24 KVUNIT03	Generator	Day Ahead Congestion + Energy	Off Peak	1,795 MW	
HJA	PJM	PJM.MEADOWLK34.5 KVMEDWLKWF_month_on_dac	MEADOWLK34.5 KVMEDWLKWF	Generator	Day Ahead Congestion + Energy	On Peak	199 MW	
HJB	PJM	PJM.MEADOWLK34.5 KVMEDWLKWF_month_off_dac	MEADOWLK34.5 KVMEDWLKWF	Generator	Day Ahead Congestion + Energy	Off Peak	199 MW	
HRC	PJM	PJM.MIAMIFOR18 KVG6_month_on_dac	MIAMIFOR18 KVG6	Generator	Day Ahead Congestion + Energy	On Peak	1,344 MW	
HRD	PJM	PJM.MIAMIFOR18 KVG6_month_off_dac	MIAMIFOR18 KVG6	Generator	Day Ahead Congestion + Energy	Off Peak	1,344 MW	
HRA	PJM	PJM.MIAMIFOR18 KVG6_month_on_dap	MIAMIFOR18 KVG6	Generator	Day Ahead Power	On Peak	1,344 MW	
HRB	PJM	PJM.MIAMIFOR18 KVG6_month_off_dap	MIAMIFOR18 KVG6	Generator	Day Ahead Power	Off Peak	1,344 MW	
HJO	PJM	PJM.MITCHELL24 KVGEN 3_month_on_dac	MITCHELL24 KVGEN 3	Generator	Day Ahead Congestion + Energy	On Peak	374 MW	
HJP	PJM	PJM.MITCHELL24 KVGEN 3_month_off_dac	MITCHELL24 KVGEN 3	Generator	Day Ahead Congestion + Energy	Off Peak	374 MW	
GFI	PJM	PJM.MONTOUR24 KVUNIT01_month_on_dac	MONTOUR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	1,642 MW	
GFI	PJM	PJM.MONTOUR24 KVUNIT01_month_off_dac	MONTOUR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	1,642 MW	
GIG	PJM	PJM.MONTOUR24 KVUNIT02_month_on_dac	MONTOUR24 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	1,642 MW	
GIH	PJM	PJM.MONTOUR24 KVUNIT02_month_off_dac	MONTOUR24 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	1,642 MW	
HTU	PJM	PJM.MORGANTO23 KVUNIT02_month_on_dac	MORGANTO23 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	1,548 MW	
HTV	PJM	PJM.MORGANTO23 KVUNIT02_month_off_dac	MORGANTO23 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	1,548 MW	
HIU	PJM	PJM.MOUN ME13 KVGEN #1_month_on_dac	MOUN ME13 KVGEN #1	Generator	Day Ahead Congestion + Energy	On Peak	52 MW	
HIV	PJM	PJM.MOUN ME13 KVGEN #1_month_off_dac	MOUN ME13 KVGEN #1	Generator	Day Ahead Congestion + Energy	Off Peak	52 MW	
GII	PJM	PJM.MTSTORM422 KVG3_month_on_dac	MTSTORM422 KVG3	Generator	Day Ahead Congestion + Energy	On Peak	1,681 MW	
GU	PJM	PJM.MTSTORM422 KVG3_month_off_dac	MTSTORM422 KVG3	Generator	Day Ahead Congestion + Energy	Off Peak	1,681 MW	
ERA	PJM	PJM.MTSTORM422 KVG3_month_on_dap	MTSTORM422 KVG3	Generator	Day Ahead Power	On Peak	1,681 MW	
ERB	PJM	PJM.MTSTORM422 KVG3_month_off_dap	MTSTORM422 KVG3	Generator	Day Ahead Power	Off Peak	1,681 MW	
HRM	PJM	PJM.MUDDYRN13 KVUNIT1_month_on_dac	MUDDYRN13 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	800 MW	
HRN	PJM	PJM.MUDDYRN13 KVUNIT1_month_off_dac	MUDDYRN13 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	800 MW	
GJQ	PJM	PJM.OYSTERCR24 KVUNIT01_month_on_dac	OYSTERCR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	550 MW	
GJR	PJM	PJM.OYSTERCR24 KVUNIT01_month_off_dac	OYSTERCR24 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	550 MW	
GFO	PJM	PJM.PEACHBOT22 KVUNIT02_month_on_dac	PEACHBOT22 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	2,304 MW	
GFP	PJM	PJM.PEACHBOT22 KVUNIT02_month_off_dac	PEACHBOT22 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	2,304 MW	
HSD	PJM	PJM.PEACHBOT22 KVUNIT03_month_on_dac	PEACHBOT22 KVUNIT03	Generator	Day Ahead Congestion + Energy	On Peak	2,304 MW	
HSP	PJM	PJM.PEACHBOT22 KVUNIT03_month_off_dac	PEACHBOT22 KVUNIT03	Generator	Day Ahead Congestion + Energy	Off Peak	2,304 MW	
GIS	PJM	PJM.PERRYMAN13 KVCT 1_month_on_dac	PERRYMAN13 KVCT 1	Generator	Day Ahead Congestion + Energy	On Peak	404 MW	
GIT	PJM	PJM.PERRYMAN13 KVCT 1_month_off_dac	PERRYMAN13 KVCT 1	Generator	Day Ahead Congestion + Energy	Off Peak	404 MW	
GTM	PJM	PJM.PERRY_FE22 KVPR10_month_on_dac	PERRY_FE22 KVPR10	Generator	Day Ahead Congestion + Energy	On Peak	1,312 MW	
GTN	PJM	PJM.PERRY_FE22 KVPR10_month_off_dac	PERRY_FE22 KVPR10	Generator	Day Ahead Congestion + Energy	Off Peak	1,312 MW	
GIU	PJM	PJM.PLEA APS26 KVGEN 1_month_on_dac	PLEA APS26 KVGEN 1	Generator	Day Ahead Congestion + Energy	On Peak	1,368 MW	
GIV	PJM	PJM.PLEA APS26 KVGEN 1_month_off_dac	PLEA APS26 KVGEN 1	Generator	Day Ahead Congestion + Energy	Off Peak	1,368 MW	
GXM	PJM	PJM.PLEA APS26 KVGEN 2_month_on_dac	PLEA APS26 KVGEN 2	Generator	Day Ahead Congestion + Energy	On Peak	1,368 MW	
GXN	PJM	PJM.PLEA APS26 KVGEN 2_month_off_dac	PLEA APS26 KVGEN 2	Generator	Day Ahead Congestion + Energy	Off Peak	1,368 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
GIW	PJM	PJM.PSEGGLOB18 KV6_month_on_dac	PSEGGLOB18 KV6	Generator	Day Ahead Congestion + Energy	On Peak	922 MW	
GIX	PJM	PJM.PSEGGLOB18 KV6_month_off_dac	PSEGGLOB18 KV6	Generator	Day Ahead Congestion + Energy	Off Peak	922 MW	
GTO	PJM	PJM.RICHLND138 KVRP81_month_on_dac	RICHLND138 KVRP81	Generator	Day Ahead Congestion + Energy	On Peak	450 MW	
GTP	PJM	PJM.RICHLND138 KVRP81_month_off_dac	RICHLND138 KVRP81	Generator	Day Ahead Congestion + Energy	Off Peak	450 MW	
GIY	PJM	PJM.ROCKPOR226 KVRP1_month_on_dac	ROCKPOR226 KVRP1	Generator	Day Ahead Congestion + Energy	On Peak	2,600 MW	
GIZ	PJM	PJM.ROCKPOR226 KVRP1_month_off_dac	ROCKPOR226 KVRP1	Generator	Day Ahead Congestion + Energy	Off Peak	2,600 MW	
HRO	PJM	PJM.SAFEHARB13 KVUNIT1_month_on_dac	SAFEHARB13 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	418 MW	
HRP	PJM	PJM.SAFEHARB13 KVUNIT1_month_off_dac	SAFEHARB13 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	418 MW	
HRQ	PJM	PJM.SAFEHARB13 KVUNIT8_month_on_dac	SAFEHARB13 KVUNIT8	Generator	Day Ahead Congestion + Energy	On Peak	418 MW	
HRR	PJM	PJM.SAFEHARB13 KVUNIT8_month_off_dac	SAFEHARB13 KVUNIT8	Generator	Day Ahead Congestion + Energy	Off Peak	418 MW	
GJA	PJM	PJM.SALEM25 KVALEM1_month_on_dac	SALEM25 KVALEM1	Generator	Day Ahead Congestion + Energy	On Peak	2,382 MW	
GJB	PJM	PJM.SALEM25 KVALEM1_month_off_dac	SALEM25 KVALEM1	Generator	Day Ahead Congestion + Energy	Off Peak	2,382 MW	
GTQ	PJM	PJM.SAMMISFE19 KVSH70_month_on_dac	SAMMISFE19 KVSH70	Generator	Day Ahead Congestion + Energy	On Peak	2,468 MW	
GTR	PJM	PJM.SAMMISFE19 KVSH70_month_off_dac	SAMMISFE19 KVSH70	Generator	Day Ahead Congestion + Energy	Off Peak	2,468 MW	
HTW	PJM	PJM.SEWARD22 KVUNIT1_month_on_dac	SEWARD22 KVUNIT1	Generator	Day Ahead Congestion + Energy	On Peak	585 MW	
HTX	PJM	PJM.SEWARD22 KVUNIT1_month_off_dac	SEWARD22 KVUNIT1	Generator	Day Ahead Congestion + Energy	Off Peak	585 MW	
HTY	PJM	PJM.SHAWVILL18 KVUNIT 1_month_on_dac	SHAWVILL18 KVUNIT 1	Generator	Day Ahead Congestion + Energy	On Peak	632 MW	
HTZ	PJM	PJM.SHAWVILL18 KVUNIT 1_month_off_dac	SHAWVILL18 KVUNIT 1	Generator	Day Ahead Congestion + Energy	Off Peak	632 MW	
HUA	PJM	PJM.SHAWVILL22 KVUNIT 3_month_on_dac	SHAWVILL22 KVUNIT 3	Generator	Day Ahead Congestion + Energy	On Peak	632 MW	
HUB	PJM	PJM.SHAWVILL22 KVUNIT 3_month_off_dac	SHAWVILL22 KVUNIT 3	Generator	Day Ahead Congestion + Energy	Off Peak	632 MW	
HUQ	PJM	PJM.SPRINGDA18 KVCT3_month_on_dac	SPRINGDA18 KVCT3	Generator	Day Ahead Congestion + Energy	On Peak	556 MW	
HJR	PJM	PJM.SPRINGDA18 KVCT3_month_off_dac	SPRINGDA18 KVCT3	Generator	Day Ahead Congestion + Energy	Off Peak	556 MW	
HJE	PJM	PJM.SRIVER230 KVNUG GE_month_on_dac	SRIVER230 KVNUG GE	Generator	Day Ahead Congestion + Energy	On Peak	260 MW	
HJF	PJM	PJM.SRIVER230 KVNUG GE_month_off_dac	SRIVER230 KVNUG GE	Generator	Day Ahead Congestion + Energy	Off Peak	260 MW	
FCI	PJM	PJM.SRIVER230 KVNUG GE_month_on_dap	SRIVER230 KVNUG GE	Generator	Day Ahead Power	On Peak	260 MW	
FCJ	PJM	PJM.SRIVER230 KVNUG GE_month_off_dap	SRIVER230 KVNUG GE	Generator	Day Ahead Power	Off Peak	260 MW	
FDC	PJM	PJM.STEELCTY18 KVBETH 4CC_month_on_dap	STEELCTY18 KVBETH 4CC	Generator	Day Ahead Power	On Peak	1,300 MW	
FDD	PJM	PJM.STEELCTY18 KVBETH 4CC_month_off_dap	STEELCTY18 KVBETH 4CC	Generator	Day Ahead Power	Off Peak	1,300 MW	
FDE	PJM	PJM.STEELCTY18 KVBETH 8CC_month_on_dap	STEELCTY18 KVBETH 8CC	Generator	Day Ahead Power	On Peak	1,300 MW	
FDJ	PJM	PJM.STEELCTY18 KVBETH 8CC_month_off_dap	STEELCTY18 KVBETH 8CC	Generator	Day Ahead Power	Off Peak	1,300 MW	
GVW	PJM	PJM.STRYKER138 KVSP81_month_on_dac	STRYKER138 KVSP81	Generator	Day Ahead Congestion + Energy	On Peak	19 MW	
GVX	PJM	PJM.STRYKER138 KVSP81_month_off_dac	STRYKER138 KVSP81	Generator	Day Ahead Congestion + Energy	Off Peak	19 MW	
GGK	PJM	PJM.SUSQUEHA24 KVUNIT01_month_on_dac	SUSQUEHA24 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	2,596 MW	
GGL	PJM	PJM.SUSQUEHA24 KVUNIT01_month_off_dac	SUSQUEHA24 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	2,596 MW	
GGM	PJM	PJM.SUSQUEHA24 KVUNIT02_month_on_dac	SUSQUEHA24 KVUNIT02	Generator	Day Ahead Congestion + Energy	On Peak	2,596 MW	
GGN	PJM	PJM.SUSQUEHA24 KVUNIT02_month_off_dac	SUSQUEHA24 KVUNIT02	Generator	Day Ahead Congestion + Energy	Off Peak	2,596 MW	
GJE	PJM	PJM.TANNERSC20 KVTC4_month_on_dac	TANNERSC20 KVTC4	Generator	Day Ahead Congestion + Energy	On Peak	1,100 MW	
GJF	PJM	PJM.TANNERSC20 KVTC4_month_off_dac	TANNERSC20 KVTC4	Generator	Day Ahead Congestion + Energy	Off Peak	1,100 MW	
GJG	PJM	PJM.TIDD_AEP24 KVCD1_month_on_dac	TIDD_AEP24 KVCD1	Generator	Day Ahead Congestion + Energy	On Peak	1,880 MW	
GJH	PJM	PJM.TIDD_AEP24 KVCD1_month_off_dac	TIDD_AEP24 KVCD1	Generator	Day Ahead Congestion + Energy	Off Peak	1,880 MW	
GJI	PJM	PJM.TIDD_AEP24 KVCD2_month_on_dac	TIDD_AEP24 KVCD2	Generator	Day Ahead Congestion + Energy	On Peak	1,880 MW	
GJJ	PJM	PJM.TIDD_AEP24 KVCD2_month_off_dac	TIDD_AEP24 KVCD2	Generator	Day Ahead Congestion + Energy	Off Peak	1,880 MW	
GJS	PJM	PJM.TMI20 KVUNIT01_month_on_dac	TMI20 KVUNIT01	Generator	Day Ahead Congestion + Energy	On Peak	976 MW	
GJT	PJM	PJM.TMI20 KVUNIT01_month_off_dac	TMI20 KVUNIT01	Generator	Day Ahead Congestion + Energy	Off Peak	976 MW	
GJK	PJM	PJM.WAGNER13 KVGEN 01_month_on_dac	WAGNER13 KVGEN 01	Generator	Day Ahead Congestion + Energy	On Peak	1,059 MW	
GJL	PJM	PJM.WAGNER13 KVGEN 01_month_off_dac	WAGNER13 KVGEN 01	Generator	Day Ahead Congestion + Energy	Off Peak	1,059 MW	
HRG	PJM	PJM.WOODSDAL13.5 KVCT1_month_on_dac	WOODSDAL13.5 KVCT1	Generator	Day Ahead Congestion + Energy	On Peak	490 MW	
HRR	PJM	PJM.WOODSDAL13.5 KVCT1_month_off_dac	WOODSDAL13.5 KVCT1	Generator	Day Ahead Congestion + Energy	Off Peak	490 MW	
HRE	PJM	PJM.WOODSDAL13.5 KVCT1_month_on_dap	WOODSDAL13.5 KVCT1	Generator	Day Ahead Power	On Peak	490 MW	

Exhibit 1A Deliverable Supply by Contract

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	New Deliverable Supply	Old Deliverable Supply*
HRF	PJM	PJM.WOODSDAL13.5 KVCT1_month_off_dap	WOODSDAL13.5 KVCT1	Generator	Day Ahead Power	Off Peak	490 MW	
HSQ	PJM	PJM.55 HEGEW138 KVCIDGRF_month_on_dac	55 HEGEW138 KVCIDGRF	Generator	Day Ahead Congestion + Energy	On Peak	7 MW	28 MW
HSR	PJM	PJM.55 HEGEW138 KVCIDGRF_month_off_dac	55 HEGEW138 KVCIDGRF	Generator	Day Ahead Congestion + Energy	Off Peak	7 MW	28 MW
HSS	PJM	PJM.945 CRET13.5 KVCT-1_month_on_dac	945 CRET13.5 KVCT-1	Generator	Day Ahead Congestion + Energy	On Peak	348 MW	
HST	PJM	PJM.945 CRET13.5 KVCT-1_month_off_dac	945 CRET13.5 KVCT-1	Generator	Day Ahead Congestion + Energy	Off Peak	348 MW	
HSU	PJM	PJM.ZIMMER225 KVZM1_A_month_on_dac	ZIMMER225 KVZM1_A	Generator	Day Ahead Congestion + Energy	On Peak	1,428 MW	
HSV	PJM	PJM.ZIMMER225 KVZM1_A_month_off_dac	ZIMMER225 KVZM1_A	Generator	Day Ahead Congestion + Energy	Off Peak	1,428 MW	

* Cells left blank indicate no change has been made to the particular field.

Exhibit 1A Deliverable Supply by Contract

Exhibit 1A Deliverable Supply by Contract - Natural Gas

Physical Commodity Code	ISO	Contract Name	Location	Node Type	Commodity	Class	Deliverable Supply
FRI	HH	HH.HENRY HUB_month_sfx_ngs	HENRY HUB	Main Hub	Natural Gas Outright	Standard Fixed	88,867,500 MMBTU