

Appendix J
Contractor Deliverables

SECTION	DELIVERABLES	Pre-LNTP	Mobilization	Procurement	30%	60%	90% (Issue for permit)	IFC	Mechanical Completion	Substantial Completion	AS-BUILT
BESS Supplier											
Battery System	Technical Documentation										
Battery System	Equipment / System Layout			X							
Battery System	Single Line Diagram			X							
Battery System	Data Sheets and Technical Specifications			X							
Battery System	Manuals										
Battery System	Quality Assurance Manual			X							
Battery System	Control and Communication Manual			X							
Battery System	SCADA Design Manual			X							
Battery System	Battery System Installation Manual and Civil Requirements			X							
Battery System	Commissioning and Maintenance Manual			X							
Battery System	Thermal Management System Manual and CFD Analysis			X							
Battery System	Battery Management System Manual			X							
Battery System	Product Maintenance Instruction Manual			X							
Battery System	Material Data Sheets, if applicable			X							
Battery System	Preventative Maintenance Plan			X							
Battery System	Test Plans										
Battery System	Factory Acceptance Test Plan and Results					X					
Battery System	Pre-Commissioning Requirements			X							
Battery System	Cold and Hot Commissioning Test Plans			X							
Battery System	Fire Safety										
Battery System	FPS Manual				X						
Battery System	Hazard Mitigation Analysis				X						
Battery System	Emergency Response Plan				X						
Battery System	UL 9540 v4 System Certification			X							
Battery System	UL 9540A Test Results (Cell, Module, Unit and Large-Scale Burn Test Results)			X							
Battery System	Codes and Standards										
Battery System	UL 1973, UN 38.3 Certifications			X							
Battery System	NFPA 68 and NFPA 69 Compliance [depends on fire code applicability]			X							
Battery System	Misc.										
Battery System	UFLPA Forced Labor Compliance			X							
Battery System	Third-Party MACR Audit, if applicable			X							
Battery System	Third-Party Domestic Content Audit, if applicable			X							
Battery System	Noise Emission Study			X							
PCS	Technical Documentation										
PCS	Equipment / System Layout			X							
PCS	Single Line Diagram			X							
PCS	Data Sheets and Technical Specifications			X							
PCS	CAD Drawings			X							
PCS	OND file for PVsyst modeling			X							
PCS	PSCAD modeling files			X							
PCS	UL 1741-SA and 1741-SB Certification			X							
PCS	IEEE 1547-2018 Certification			X							
PCS	Station Power Calculations and Electrical Requirements			X							
PCS	Modbus TCP, DNP3 or other setpoint maps			X	X	X	X	X		X	
PCS	Pre-Commissioning Requirements			X							
PCS	Cold and Hot Commissioning Plans			X							
PCS	Civil Design Requirements			X							
PCS	Manuals										
PCS	Quality Assurance Manual			X							
PCS	Control and Communication Manual			X	X	X	X	X		X	
PCS	SCADA Design Manual			X							
PCS	Installation Manual and Civil Requirements			X							
PCS	Commissioning and Maintenance Manual			X							
PCS	Product Maintenance Instruction Manual			X							
PCS	Test Plans										
PCS	Factory Acceptance Test Plan and Results			X							
PCS	Cold and Hot Commissioning Plans			X							
PCS	Preventative Maintenance Plan			X							
PCS	Misc.										
PCS	UFLPA Forced Labor Compliance			X							
PCS	Third-Party MACR Audit, if applicable			X							
PCS	Third-Party Domestic Content Audit, if applicable			X							
PCS	Noise Emission Study			X							
MVT	Technical Documentation										
MVT	Equipment / System Layout			X							
MVT	Single Line Diagram			X							
MVT	Data Sheets and Technical Specifications			X							
MVT	CAD Drawings			X							
MVT	Pre-Commissioning Requirements			X							
MVT	Cold and Hot Commissioning Plans			X							
MVT	Civil Design Requirements			X							
MVT	Manuals										
MVT	Quality Assurance Manual			X							

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MVT	Installation Manual and Civil Requirements					X					
MVT	Commissioning and Maintenance Manual					X					
MVT	Product Maintenance Instruction Manual					X					
MVT	Test Plans										
MVT	Factory Acceptance Test Plan and Results			X							
MVT	Cold and Hot Commissioning Plans			X							
MVT	Preventative Maintenance Plan			X							
MVT	Misc.										
MVT	UFLPA Forced Labor Compliance			X							
MVT	Noise Emission Study			X							
EMS/PPC Provider											
BESS EMS/PPC	Technical Documentation										
BESS EMS/PPC	Cover Sheet				X	X	X	X			X
BESS EMS/PPC	Network diagram of controllers and site				X	X	X	X			X
BESS EMS/PPC	Electrical diagram of controllers and site				X	X	X	X			X
BESS EMS/PPC	Mechanical layout of controllers				X	X	X	X			X
BESS EMS/PPC	Load schedule of controllers				X	X	X	X			X
BESS EMS/PPC	Equipment selection				X		X				
BESS EMS/PPC	Network architecture drawings					X	X	X			X
BESS EMS/PPC	Control narrative					X	X	X			X
BESS EMS/PPC	Sequence of Operations					X	X	X			X
BESS EMS/PPC	IP schema					X	X	X			X
BESS EMS/PPC	Test Plans										
BESS EMS/PPC	Unit and site test plans					X					
BESS EMS/PPC	Manuals										
BESS EMS/PPC	SCADA Manuals						X	X			X
BESS EMS/PPC	EMS operations manual						X	X			X