

EXHIBIT E: SUBMITTAL REQUIREMENTS

	Information Required		WARO**
	With Proposal	Certified After Order	
GENERAL DATA REQUIREMENTS			
Overall Scope of Supply & Equipment Description	X	X	
Submittal/Shop Drawing List & Schedule	X	X	
Schedule for Engineering, Fabrication, & Delivery	X	X	
Experience & Reference List	X		
Commercial & Technical Clarifications	X		
Listing of all Sub-Suppliers and Subcontractors	X		
Description of Training Program Included	X		
Training Videos (DVD's)		X	
Description of Site Support Included	X		
Completed Performance Data Sheets and Guarantees	X		
Shipping Details & Weights		X	
Equipment Lifting & Rigging Drawings & Details		X	
Description of Noise Mitigation Provisions	X	X	
Shop Testing Procedures		X	
Field Testing Procedures		X	
Description of QA/QC Program	X		
Spare Parts List with Pricing	X		
Special Tools List	X		
Trim List	X		
General Arrangement Plans & Elevations	X	X	
Code Reports & Certifications		X	
Operation and Maintenance (O&M) Manuals	X*	X	
MECHANICAL DATA REQUIREMENTS			
Process Flow Diagrams (PFD's)	X	X	
3D CAD Model(s) - Equipment & Piping		X	
Dimensional Layout Drawings	X	X	
Piping Drawings with Connection/Interface Tables		X	
Permissible Nozzle Loading		X	
Expected Thermal Movements - Equipment		X	
Expected Thermal Movements - Connection Interface Points		X	
Vendor-Furnished Pipe Support Details		X	
Clearance Requirements for Maintenance	X	X	
Equipment Design Details & Materials of Construction		X	
Equipment Data Sheets		X	
Bills of Material (BOM's)		X	
Weld Procedures & Welder Qualifications		X	
Performance Curves		X	
Performance Correction Curves		X	
Accessory Descriptions	X	X	
Utility Requirements (air, water, fuel, lube oil, etc.)	X	X	
Certified Material Test Reports (MTR's)		X	
Equipment Nameplate Facsimile		X	
ELECTRICAL DATA REQUIREMENTS			
Motor List & Power Requirements	X	X	
DC System Load Requirements	X	X	
Accessory Descriptions	X	X	
Motor Data Sheets		X	
Motor Performance Curves		X	
One Line Diagrams	X	X	
Three Line Diagrams		X	
Connection/Interconnection Diagrams		X	
Schematics		X	
Wiring Diagrams		X	
Mounting Details		X	
Grounding Details		X	
Generator Performance Curves		X	

**SPECIFICATION 481126 ATTACHMENT 3
SUBMITTAL REQUIREMENTS**

	Information Required		WARO**
	With Proposal	Certified After Order	
GENERAL DATA REQUIREMENTS			
Cable List		X	
Certified Test Reports		X	
Electrical Cabinet Dimensional Drawings		X	
Conduit Entrance Locations/Plan Drawings		X	
Bills of Materials (BOM's)		X	
INSTRUMENTATION & CONTROLS DATA REQUIREMENTS			
Piping & Instrumentation Diagrams (P&ID's)	X	X	
Control System PLC Description	X	X	
Control System Architecture Diagram	X	X	
Control Cabinet Dimensional Drawings		X	
Control Panel Location Drawings		X	
SAMA / ISA (Analog) & Discrete Logic Diagrams		X	
Interconnection Diagrams		X	
Point-to-Point Wiring Diagrams		X	
Termination Diagrams		X	
Control Loop Diagrams		X	
Control System Power Requirements		X	
Cable List		X	
Instrument List (w/Process Ranges & Set Points)	X*	X	
Instrument Installation Details / Dwgs		X	
Control Valve List		X	
Input/Output (I/O) Signal List - in EXCEL format file		X	
Alarm List with Setpoints - in EXCEL format file		X	
Component / Equipment List	X	X	
Instrument Data Sheets (ISA S-20)		X	
Control Valve Data Sheets (ISA S-20)		X	
Calibration Records for all Vendor-Furnished Instruments		X	
Graphical Display Screens (Screen Shots)		X	
Graphical Display Screens - Paging Architecture		X	
Engineering and Configuration Instructions	X*	X	
Control System Test Plan(s) - FAT, CAT, Startup	X*	X	
Control System Test Reports	X*	X	
HMI Tagname Database - exported in EXCEL format file		X	
PLC Tagname Database - exported in EXCEL format file		X	
HMI Application(s) (CD or similar media software file)		X	
PLC Application(s) (CD or similar media software file)		X	
Vendor Data (People, email address, phone#, experience, etc.)	X		
CIVIL/STRUCTURAL DATA REQUIREMENTS			
Code Calculations		X	
Structural Steel Plans & Elevations		X	
Platform, Ladder, & Stair Drawings		X	
Foundation Loading Diagram (Static & Dynamic)		X	
Location, Size, and Projection of Anchor Bolts, Sleeves, and/or Imbeds		X	
Equipment Weights (dry and operating)	X	X	
Field Erection Drawings & Details		X	
Equipment Grouting Requirements and/or Recommendations		X	

* - Template or generic submittal to be provided with proposal. Vendor to provide schedule for final submittal of this item.

** - "Weeks After Receipt of Order": Vendor to fill-in submittal dates, or furnish separate submittal schedule