Agreement Identification	
Electronic PO Number	
Capital Project Number	4509140006
Effective Date	10-15-2014
Originator	John Fralick

AGREEMENT

BY ROCK-TENN COMPANY AND/OR ITS AFFILIATES FOR THE PURCHASE OF CAPITAL EQUIPMENT

This agreement to purchase certain capital equipment ("Agreement") consists of PART A (Commercial Terms), PART B (Legal Terms and Conditions), and the Contract Documents (as defined in **Section A-4**). This Agreement applies to the sale to the Rock-Tenn entity designated in **Section A-1** (the "**Buyer**") by the seller designated in **Section A-2** (the "**Seller**") of certain capital equipment listed in **Section A-3** (the "**Equipment**").

PART A COMMERCIAL TERMS

A-1. Buyer's Information

Buyer's legal name
RockTenn CP, LLC

Buyer's address
504 Thrasher Street
Norcross, Georgia 30071

A-2. Seller's Information.

Seller's Legal Name
Rentech Boiler Systems Inc.

Seller's Legal Status (check one)			
☒	Corporation		
☐	Limited Liability Company		
☐	Partnership		
☐	Other	If "Other", describe:	

Seller's Address
5025 East Business 20
Abilene, TX 79601

A-3. Equipment.

Equipment Identification	
Equipment Name	Boiler System
Equipment Model	O – "CHP Ready"
Tag number	
Description of Equipment, Including Purpose	One (1) 100% membrane wall construction, O-Style watertube boiler. The boiler has been designed for natural gas firing and will have a design pressure of 600 psig. The unit will generate 120,000 lbs/hr of superheated steam at 600 psig and 730°F, with feedwater supplied at 224°F. RADIANT FURNACE • The furnace section of the proposed boilers is of 100% membrane wall design and is constructed of 2.0"OD x 0.135"MW SA 178A ERW tubes on 4" centers. The tubes are connected by 1/4" x 2" carbon steel membranes to form a totally water cooled enclosure, including the front wall. CONVECTION TUBES • The convection tubes are 2.0"OD x 0.120" MW SA-178A ERW and be attached to drums by rolling. Each tube hole will be serrated and carefully cleaned and polished just prior to tube installation. The ends of each tube will also be polished just prior to installation. DRUMS • The steam drum is 50" ID and approximately 42' in length seam to seam. CONVECTIVE SUPERHEATER • A single stage, horizontal tube superheater. The superheater will utilize SA 213 T11 tubes. Headers for the superheater will be completely outsize the membrane wall of the boiler ECONOMIZER • A vertical gas flow, horizontal tube economizer has been included. The tubes are fully drainable. The economizer will be externally insulated with 3" mineral fiber block insulation and covered with corrugated lagging. STACK • A 60" diameter, 75' total elevation Corten economizer outlet mounted stack. Stack will include a set of test and CEMS ports, and personnel protection. The stack will include a draft control damper with actuator located at the stack inlet. AIR & FLUE GAS DUCTWORK • A complete set of ductwork is provided. All applicable air and flue gas ducts will be supplied. Ducts are to be field insulated and lagged by others as specified. Ductwork minimum thickness is ¼". FGR DUCTWORK • FGR ductwork including damper has been included. Insulation and lagging of the FGR ductwork will be required in the field by others. Rentech will be responsible for supporting this ductwork. BOILER TRIM, INSTRUMENTATION AND FINAL CONTROL ELEMENTS • The boiler trim included in the base pricing is itemized on the trim list. Boiler trim appurtenances and instrumentation will be crated and shipped for safe delivery to site where it will be mounted by end user and/or his site contractor.

	PIPING • Boiler external piping from boiler feedwater control valve station inlet through steam non return and main steam stop valve. • Small bore piping for drains, vents and blowdowns is included up to the boiler external piping boundary as defined by ASME Section I. • Boiler Trim piping including level trim, pressure gage, level transmitter connections as well as safety valve vent stacks. INSULATION, LAGGING, AND PAINTING • The mud drums, excluding the drum heads, and all of the walls of the unit will be insulated with a minimum of 4" mineral fiber insulation and protected with aluminum lagging. The roof of the furnace will be covered with a carbon steel casing to support foot traffic. The steam drum, excluding the heads, will be lagged with corrugated aluminum. The economizer will be insulated with 3" mineral fiber insulation covered with aluminum lagging. Exterior surfaces that will not be insulated will be cleaned in accordance with SSPC-SP6 procedures and painted with one coat of inorganic zinc primer and finish coat. Vendor supplied equipment will receive their standard paint application. Piping components, ductwork interior and surfaces that will be insulated will not be painted. SPARE PARTS • Two sets of Manway gaskets, two water gage glasses, rope gasket material and two observation port lens BURNER • One (1) 120,000 pounds per hour package boiler is to be supplied with a COEN manufactured ultra low NOx packaged burner which will fire natural gas. • Pre-engineered, gas/oil ultra low NOx Rapid Mix Burner (RMB) with windbox, valve trains, and flame scanning equipment. • A PLC based burner management system control panel and boiler control system engineering services. • one (1) boiler warm up system to be used in lieu of the operating the main burner at low fire, and cycling the boiler on and off. The warm up system will consist of a Class 2 ignitor rated at approximately 8 - 10 mmbtu/hr in lieu of the Class 3 ignitor rated at 1 mmbtu/hr included as part of the base bid. As part of this system, Coen will upgrade the size of the pilot gas train for the higher capacity. FORCED DRAFT FAN • One (1) Twin City Arrangement 7 FD fan. The FD fan will be complete with outlet damper w/ actuator, inlet silencer with supports, FGR mixing box, and 250 HP inverter duty, GE IEEE 841 motor. The fan will be complete with fan bearing RTD's, motor bearing RTD's, motor winding RTD's, motor space heater with box, and motor thermostat with box.

Equipment Identification	
Equipment Name	Boiler controls
Equipment Model	
Tag number	
Description of Equipment, Including Purpose	The boiler controls would include the following: • Fully metered combustion control with O2 and FGR trim for the RMB burner • Feedwater control (3 element) plus local start/stop • Superheat temperature control • Draft control • Combustion air pre-heat temperature control • Deaerator level and pressure control • Transmitters and thermocouples in the boiler system that are anticipated to be digitally indicated on the panel touchscreen and/or passed to the main plant control system through the panel communications interface, including economizer water inlet/outlet temperatures, economizer flue gas inlet/outlet temperatures, fan motor bearing and winding temperatures. • Allen Bradley programmable logic system, consisting of the CompactLogix processor, Ethernet communications, EEPROM memory back up, power supply, discreet input/output modules and analog input/output modules • PanelView Plus 1250 model (Coen standard) in lieu of the PanelView Plus 1000 model. • Narratives for all of the control loops that would be included in the instruction manual. Some input may be required from the deaerator supplier and RBS.

Equipment Identification	
Equipment Name	Insulation and cladding of the windbox and burner frontplate
Equipment Model	
Tag number	
Description of Equipment, Including Purpose	The design combustion air temperature exceeds 90 deg F, and the air/FGR mix temperature will exceed 140 deg F and insulation and cladding of the windbox and burner frontplate is recommended.

Equipment Identification	
Equipment Name	Loop around simulation
Equipment Model	
Tag number	
Description of Equipment, Including Purpose	Simulation of the burner management system with all interlocks operating within normal parameters.

Equipment Identification	
Equipment Name	Interactive simulation
Equipment Model	
Tag number	
Description of Equipment, Including Purpose	Provides the operator the ability to enable or disable the loop around inputs and outputs to simulate loss of any interlock so that the operator can observe the consequences to the BMS. System would display alarms and sound horn for trip conditions and indicate to the operator the first out cause of trip. A screen would be added to the HMI touchscreen, that would only be accessible while in the simulation mode, for interacting with the enabling of the simulated interlocks.

Equipment Identification	
Equipment Name	Burner Valve Trains
Equipment Model	
Tag number	
Description of Equipment, Including Purpose	The burner valve trains by Coen are mounted on the windbox

A-4. Contract Documents.

The following items that are checked (other than any terms or conditions thereof excluded by PART B) (collectively, the "**Contract Documents**") are incorporated into this Agreement and made a part hereof.

	Document (check if applicable)	Exhibit:
☐	Seller's Proposal	A
☐	Installation and Startup Schedule	B
☐	Acceptance Testing and Performance Guarantees	C
☐	Drawing and Manuals	D
☐	Other Services	E
☐	Bill of Sale	F
☐		