# EXHIBIT E – ACCEPTABLE EQUIPMENT AND MATERIALS SUPPLIERS

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   - 1.6 **COMBUSTION TURBINES**
   - 1.7 **CONDENSATE POLISHER**
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The following is a list of equipment suppliers that is acceptable to the Owner. Where the Owner has a preference for a particular supplier, the name of the supplier is underlined. During Contractor's procurement of equipment, preference shall be given to the Owner's preferred suppliers. When the Owner's preferred supplier's offering is technically acceptable but not the lowest price, Contractor shall disclose to the Owner the difference in cost between the low bidder and the preferred supplier.

To the extent possible, all supplier subsystems shall use the same manufacturers and devices such that there is commonality of spare equipment and operator/technician training is minimized. Bidders for equipment not listed in this document shall be from Contractor's acceptable bidder list and will not require Owner approval. Additional bidders for equipment listed below may be added by Contractor subject to Owner approval.

**ARTICLE 1 MECHANICAL EQUIPMENT**

1.1 Air Compressors
   - Atlas Copco
   - Kobelco
   - Gardner Denver
   - Ingersoll-Rand
   - Sullair

1.2 Air Dryers
   - Air Compressor suppliers listed above.
   - Sahara
   - Hankinson International
   - Henderson
   - Pneumatic Products

1.3 Air Filters
   - Marsh Bellofram
   - Hankinson International
   - Norgren
   - Pneumatic Products

1.4 Boilers – Packaged
   - B&W
   - Cleaver Brooks – Nebraska
   - Indeck
   - Rentech
1.5 Chemical Feed Equipment
- Dewco Pumps & Equipment, Inc.
- Johnson March Systems, Inc.
- Lutz-JESCO America Corp.
- Milton Roy
- Siemens
- GE Water and Process Technology
- Global Chem Feed Solutions
- AmeriChem
- JCI Industries
- Monk Engineering
- Delphi

1.6 Combustion Turbines
- Alstom
- General Electric
- Siemens

1.7 Condensate Polisher
- Anderson Waters (Subsidiary of Infilco Degremont)
- Siemens
- Aquatech
- Ecodyne
- Pall
- Hungerford & Terry

1.8 Condenser
- SPX Heat Transfer: Ecolaire
- Foster Wheeler
- Graham Corp.
- Holtec
- Babcock Power: Thermal Engineering International (TEI)
- Laurson & Toubro
- Maarky

1.9 Cooling Towers
- GEA Power Cooling
- Research Cottrell Cooling
- International Cooling Tower
- Midwest Cooling Tower
- SPX Cooling Technologies: Balcke, Marley, Recold, Ceramic
- SPIG
1.10 Catalyst (OXIDATION)
• Engelhard Camet/BASF
• Haldor Topsoe
• Johnson Matthey
• Emerachem

1.11 Catalyst (SCR)
• Ceram
• Cormetech
• Haldor Topsoe
• Hitachi
• Johnson Matthey

1.12 Dampers - HRSG STACK
• Effox-Flextor
• Fox Equipment
• Process Barron
• WahlcoMetroflex

1.13 Demineralizer System
• Aquatech
• Ecodyne/Graver
• GE Power & Water
• Hungerford & Terry
• Water & Power Technology
• Infilco Degremont
• Siemens Water Technology
• AvanTech
• Eco-Tec
• American Water Systems
• H2O Innovations
• Veolia

1.14 Desuperheaters
• Fisher
• Masoneilan
• Yarway
• CCI

1.15 Elevators
• Otis Elevators
1.16 Expansion Joints

1.16.1 Flue Gas Ductwork
- Advanced Flexible Systems
- EFFOX Flextor
- Fox Equipment
- PAPCO Industries, Inc.
- Parker Hannifin (RM Dynex)
- Senior Flexonics Pathway
- WahlcoMetroflex

1.16.2 Piping
- ADSCO
- Senior Flexonics Pathway
- Piping Technology & Products/U.S. Bellows, Inc.
- WahlcoMetroflex
- Expansion Joint Systems (EJS)

1.17 Centrifugal Fans
- Chicago Blower
- Greenheck
- Howden
- New York Blower
- Robinson

1.18 Fire Protection Systems
- F.E. Moran, Inc. (Provided Control System logic is provided to Owner)
- SimplexGrinnell - Grinnell Fire Protection Systems (Subject to Owner final approval prior to award)
- McDaniel Fire Systems
- Shambaugh & Sons
- Webb Murray
- Automatic sprinkler system
- American Fire Technology
- VFP Fire Systems
1.19 Fuel Gas

- Aether DBS
- Chromalox
- ETI
- GasTech Engineering
- Integrated Flow Solutions

1.19.2 Compressors

- Atlas Copco
- Dresser-Rand
- GE Oil & Gas
- KOBELCO EDTI Compressors
- UE Compression
- MAN Turbomachinery
- Siemens

1.19.3 Filters and Scrubbers

- Filtration Technologies
- GasTech Engineering
- John Crane
- Peerless
- Perry Equipment Company

1.20 Heat Exchangers

1.20.1 Plate and Frame

- Alfa Laval
- Graham Manufacturing
- Mueller
- Tranter
- Spirax Sarco
- Babcock Power (TEI, Struthers)
- ITT Standard

1.20.2 Shell and Tube

- API Heat Transfer (Basco)
- Babcock Power (TEI, Struthers)
- Hoffman Process
- Perfex
- SPX Heat Transfer (Yuba)
### HEAT RECOVERY STEAM GENERATORS

- Alstom
- CMI
- NEM
- Nooter/Eriksen
- Vogt

### Hoisting Equipment

#### 1.22.1 Bridge Crane

- Konecranes Incorporated
- Virginia Crane
- Whiting Corporation
- Dearborn Crane
- G&H Cranes
- Ace World Companies

#### 1.22.2 Hoists

- ACCO
- Columbus McKinnon (Budgit, Chester, Shaw-Box, Yale)
- Robbins & Myers
- Harrington
- Konecranes Incorporated
- Whiting
- Accent Sales and Service

#### 1.22.3 Monorails

- ACCO
- American Monorail
- Konecranes Incorporated
- Gorbel
- Trambeam Corp.

### HVAC

#### 1.23.1 Air Conditioning Equipment

- Carrier
- Liebert
- Trane
1.23.2 Dampers (HVAC)
- York International

1.23.3 Fire Dampers
- American Warming and Ventilation
- Greenheck
- Lloyd Industries
- Prefco
- Ruskin

1.23.4 Package Units
- Carrier
- McQuay
- Trane
- York

1.23.5 Power Roof Ventilation / Wall Fans
- Aerovent
- Cincinnati Fan and Ventilator Company
- Greenheck
- Hartzell Fan, Inc.
- Moffitt

1.24 Hydraulic Fluid Couplings
- Howden Gyrol Fluid Drives
- Rexnord (Falk)
- The Rowland Company
- Voith

1.25 Insulation (Building)
- Johns Manville
- Owens Corning

1.26 LUBE OIL CONDITIONERS
- HY-PRO Filtration, model COT
- Kaydon, model TURBO-TOC
1.27 Lubricants
• Chevron
• Conoco
• Exxon/Mobile

1.28 Mechanical Seals
• Chesterton
• EagleBurgmann (Burgmann)
• FlowServe (BW Seals, Durametallic, Five Star, Pac-Seal, Pacific-Wietz)
• John Crane (General Service)
• U.S. Seal (General Service)

1.29 Mixers, Static
• Chemineer
• Koch-Glitsch
• Koflo Corporation
• Sulzer Chemtech

1.30 Oil-Water Separators (Packaged)
• Highland Tank
• McTighe
• Pan America Environmental, Inc.
• PS International

1.31 Pipe Hangers and Support
• Anvil International
• Basic-PSA
• Bergen-Power Pipe Supports
• Lisega
• PHS Industries
• Piping Technology & Products

1.32 Pumps
1.32.1 Boiler Feedwater
• KSB
• Sulzer
• Toroshima
• Clyde Union Pumps (recently purchased by SPX)
• Flowserve
• Hyosung Goodspring
1.32.8 Metering
- Viking
- LMI
- Madden
- Milton Roy
- Neptune
- Pulsafeeder

1.32.9 Miscellaneous
- Carver Pump
- Flowserve Corporation
- Lawrence
- KSB
- Sterling Fluid System
- Toyo
- Sulzer Pumps

1.32.10 Sump Pumps and Lift Stations
- Cortech
- Flowserve Corporation
- Metropolitan Industries
- Yeomans Chicago Corporation

1.32.11 Vacuum
- Gardner Denver (Nash)
- KSB
- Sterling Fluid System
- Siemens

1.32.12 Water, except filtrate pumps
- Flowserve

1.33 Steam Traps
- Armstrong
- Spirax Sarco
- Velan
- Flowserve/Gestra

1.34 Steam Turbines
- Alstom
- General Electric
1.35 Tanks

1.35.1 Field Fabricated Tanks - Metal
- Chicago Bridge & Iron
- Columbian TecTank
- Pittsburgh Tank and Tower
- RECO
- Superior Tank Co.
- Enerfab
- Advance Tank & Construction
- Chattanooga Boiler & Tank
- Erected Steel Products of Alabama
- Fisher Tank
- Matrix

1.35.2 Shop Fabricated Tanks
- Chicago Bridge & Iron
- Columbian TecTank
- Chattanooga Boiler & Tank
- Modern welding
- Southern Tank
- Arrow Tank & Engineering
- Dixie Southern / Triple S&P
- Dixie Tank
- Palmer Manufacturing

1.35.3 FRP Tanks
- Augusta Fiberglass
- Belding Tank Technologies, Inc.
- Ershings
- Palmer Manufacturing and Tank Inc.
- Plas-Tanks Industries, Inc.

1.35.4 Tank Lining
- Columbian TecTank
- Enerfab

1.36 Valves
<table>
<thead>
<tr>
<th>Section</th>
<th>Equipment/Supplier</th>
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<tr>
<td>1.36.1</td>
<td>Conbraco Industries: Apollo</td>
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<tr>
<td></td>
<td>• Crane (Xomox)</td>
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<tr>
<td></td>
<td>• Metso (Jamesbury)</td>
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<td></td>
<td>• Nibco</td>
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<td>• Velan</td>
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<td></td>
<td>• Valve Technologies</td>
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<td></td>
<td>• Severe Service Technologies (SST)</td>
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<tr>
<td>1.36.2</td>
<td>Ball – Instrumentation Service</td>
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<tr>
<td></td>
<td>• Aptek Instrumentation Pvt. Ltd.</td>
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<td>• Parker</td>
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<td>• Pioneer Enterprise</td>
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<td>• S.D. Industries</td>
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<td>1.36.3</td>
<td>Boiler Drain Isolation</td>
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<tr>
<td></td>
<td>• Flowserve (Rockwell-Edwards)</td>
</tr>
<tr>
<td></td>
<td>• Sigma or Mogas Ball Valves (Blockers)</td>
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<tr>
<td></td>
<td>• Tyco (Yarway)</td>
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<tr>
<td></td>
<td>• Valve Technologies</td>
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<td></td>
<td>• Velan</td>
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<td>1.36.4</td>
<td>Boiler Safety</td>
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<td>• CCI</td>
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<td></td>
<td>• Dresser-Consolidated</td>
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<td>• Tyco (Anderson-Greenwood, Crosby, Kunkle)</td>
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<td>1.36.5</td>
<td>Bronze</td>
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<td></td>
<td>• Conbraco Industries: Apollo</td>
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<td>• Crane (Jenkins)</td>
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<td>• Lunkenheimer</td>
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<td>• Powell</td>
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<td>1.36.6</td>
<td>Butterfly</td>
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<td></td>
<td>• BAF Industries</td>
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<tr>
<td></td>
<td>• Bray Controls</td>
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<td></td>
<td>• Fisher Controls International</td>
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<tr>
<td></td>
<td>• Flowserve</td>
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<td></td>
<td>• Pratt</td>
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<tr>
<td></td>
<td>• Tyco</td>
</tr>
<tr>
<td></td>
<td>• Crane</td>
</tr>
</tbody>
</table>
1.36.7 Butterfly - High Performance
- Weir
- Bray Controls
- Fisher Controls International
- Metso (Jamesbury)
- Mueller Steam Specialty
- Flowserve
- Pratt
- Tyco
- Crane

1.36.8 Butterfly - Circulating Water
- Bray Controls
- KSB (Amri)
- Pratt
- Townley
- Weir (Atwood & Morrill)
- Crane
- Tyco

1.36.9 Cast Steel
- Newmans: Newco
- Crane: Pacific
- Flowserve: Edwards
- Powell
- Tyco
- Velan
- Weir (Atwood & Morrill)
- Bonney Forge

1.36.10 Control Valves (see Control Valves in I&C section)

1.36.11 Forged Steel
- Bonney Forge
- Conval
- Powell
- Flowserve
- Newmans: Newco
- Tyco (Yarway)
- Velan
- Weir (Atwood & Morrill)
- Bonney Forge
1.36.12 Check – Insert Type
• Tyco (Keystone, Anderson & Greenwood)
• Power & Process (Technocheck)
• Townley

1.36.13 Check – Tilting Disc
• Crane (Pacific)
• Flowserve (Anchor/Darling)
• Townley
• Weir (Atwood & Morrill)
• Velan

1.36.14 Plug
• Crane (Nordstrom/Tufline)
• DeZurik
• Flowserve (Durco)
• Newmans: Newco
• Velan

1.36.15 Safety / Relief Valves
• Curtiss Wright (Farris)
• Dresser-Consolidated
• Tyco (Anderson-Greenwood, Crosby, Kunkle)

1.36.16 Solenoid
• ASCO
• Mac

1.36.17 Manual – S.S. and C.S. (2 ½ in. and larger)
• Anchor/Darling
• Crane
• Edwards
• Pacific Valves
• Velan
• William Powell

1.37 Water/Steam Sample Panels
• Johnson March Systems, Inc
• Sentry Equipment
• Waters Equipment

1.38 Water And Waste Water Treatment
1.38.1 System Suppliers

- Aquatech
- Degremont Inc. (Infilco, Anderson Water Systems, Water and Power Technologies)
- Graver Technologies (Ecodyne)
- GE (Glegg, Osmonics, Ionics)
- Hungerford & Terry
- Siemens (U.S. Filter)

1.38.2 Clarification, Filtration Equipment, and Thickeners

- Degremont (Infilco)
- Graver Technologies
- Siemens (Envirex)
- Smith & Loveless
- Westech Engineering
- Veolia
## Electrical Equipment

### 2.1 Cable

#### 2.1.1 Medium and Low Voltage Power Cable
- Cablec
- General Cable
- Kerite
- Okonite
- Pirelli
- Southwire
- Anixter
- Rexel International

#### 2.1.2 Medium Voltage Cable Terminations and Accessories
- 3M
- Raychem

#### 2.1.3 Instrument and Control Cable
- Cable USA
- Imperial Wire and Cable
- TE wire and Cable
- Omni Wire
- Aerospace Wire and Cable
- Okonite
- Basic Wire and Cable
- Anixter
- Rexel International

### 2.2 Cable Tray System

- GS Metals Corp.
- B-Line Systems
- Chalfant Products
- Husky Products (Burndy)
- P-W Industries
- T.J. Cope
- US Gypsum Globe Div.

### 2.3 Distribution Panelboards-120V AC/125V DC

- General Electric
- Siemens
- Square D
Eaton/Cutler-Hammer

2.4 Drives – Variable Speed, 600V and below

• Eaton/Cutler-Hammer
• Allen Bradley
• ABB
• Emerson
• Square D

2.5 Distribution, Transformers and Power Panels

• Eaton/Cutler-Hammer
• General Electric
• Siemens
• Square D

2.6 Uninterruptible Power Supply

• Ametek/SCI
• Gutor
• Cyberex Inc
• Liebert
• Custom Controls (packager)

2.7 Station Battery

• Exide Technologies
• GNB
• EnerSys
• SAFT
• Custom Controls (packager)

2.8 Station Battery Charger

• Ametek/Solid State Controls, Inc.
• Gutor
• Exide
• Custom Controls (packager)

2.9 Freeze Protection Equipment

2.9.1 Heaters / Electrical Heat Tracing

• Chromalox
• Nelson
• Thermon
• Raychem
• Tyco
2.9.2 Enclosures

- Bylin
- Chemelex
- Nelson
- Thermon
- O'Brien

2.10 High Voltage

2.10.1 Tubular Steel Dead End Structures

- Dis-Tran
- Valmont Industries
- Thomas and Betts
- Sabre

2.11 ISO Phase or NonSegrated Bus

- ABB
- Alstom
- AZZ Calvert
- Delta-Unibus
- GE
- Alfa Standard
- Simelectro
- PowerGear

2.12 Lighting

2.12.1 General

- Crouse Hinds
- General Electric
- Holophane
- Lithonia

2.12.2 Panelboard

- Eaton/Cutler-Hammer
- General Electric
- Siemens
- Square D

2.12.3 Photo electric light

- Sigma Instruments Co.
2.12.4 Receptacles

- Crouse Hinds Co.
- Hubbell, Inc.

2.13 Motors

2.13.1 Low Voltage

- General Electric
- Siemens
- TECO/Westinghouse
- US Motors
- Toshiba
- Baldor/Reliance
- Marathon

2.13.2 Medium Voltage

- General Electric
- Siemens
- TECO/Westinghouse
- ABB
- Reliance
- US Motors
- Toshiba
- Electric Machinery

2.14 Motor Control Centers (MCC’S)

- Allen-Bradley (Rockwell Automation)
- Eaton/Cutler Hammer
- GE
- Siemens
- Square D

2.15 Relays

2.15.1 Auxiliary Control

- Allen Bradley
- Diversified Electronics
- General Electric
- Square D
- Potter Brumfield

2.15.2 Timing
<table>
<thead>
<tr>
<th>Section</th>
<th>Equipment Type</th>
<th>Suppliers</th>
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<tbody>
<tr>
<td>2.16</td>
<td>Switchboards – AC and DC</td>
<td>Eagle, Adalake, Potter Brumfield, Diversified Electronics, Allen Bradley</td>
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<tr>
<td>2.17</td>
<td>MEDIUM and LOW VOLTAGE Switchgear</td>
<td>ABB, General Electric, Eaton/Cutler-Hammer, Powell, Square D</td>
</tr>
<tr>
<td>2.18</td>
<td>Generator Breakers</td>
<td>ABB, Areva/Alstom Grid</td>
</tr>
<tr>
<td>2.19</td>
<td>Transducers (Electrical)</td>
<td>Moore Industries, Rochester Instruments, Scientific Columbus, Transdata, Action Pak</td>
</tr>
<tr>
<td>2.20</td>
<td>Transformers</td>
<td>Low Voltage Dry Type: General Electric, Eaton/Cutler-Hammer, ABB, Square D</td>
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<tr>
<td></td>
<td>Aux Power and Load Center Transformers</td>
<td>ABB, Hyundai, Hico, Square D</td>
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</tbody>
</table>
2.20.3 Generator Step-Up Transformers

- General Electric
- Siemens
- ABB
- Hico
- Hyundai
- Pennsylvania

2.21 Terminal Blocks (Low Voltage Instrumentation)

- Allen Bradley
- General Electric
- Square D
- Phoenix Contact
- Weidmueller

ARTICLE 3 CIVIL EQUIPMENT

3.1 Steel, Fabricated

- AFCO Steel – A W & W Steel Company
- Central Texas Iron Works
- Cives Steel Company
- Hirschfield Steel Company, Inc.
- Paxton Vierling
- PSP
- Severfield Reeve
- Structural Fabricators of Monroe, Inc.
- Structural Steel Services, Inc.
- Qualico Steel Co., Inc.
- Merrill
- SuperMetal
- Lenex

3.2 Pre-Engineered Buildings / Enclosures

- Butler
- Parkline
- Superior
- Darland
- Patterson Horth

Exhibit E – Acceptable Equipment and Materials Suppliers
ARTICLE 4 INSTRUMENTATION AND CONTROLS EQUIPMENT

4.1 Actuators

4.1.1 Dampers
• Auma – On/Off service
• Rotork – On/Off service
• Limitorque – On/Off or modulating service
• Beck – Modulating service

4.1.2 Hydraulic
• Clarkson
• Parker
• Rexa

4.1.3 Motor Operated Valves
• Rotork – On/Off Service
• Beck – Modulating Service
• Limitorque – On/Off Service
• EIM Controls – On/Off Service

4.1.4 Pneumatic Operated Valves
• Flowserve: Automax
• Emerson: Fisher
• Tyco: Keystone

4.2 Analyzers

4.2.1 Gas – Ammonia (for slip)
• Rosemount
• Draeger

4.2.2 Gas – Chromatography/BTU
• Daniel Industries
• Yokogawa
• Rosemount
• Land Combustion & Environmental Monitoring

4.2.3 Gas – CO, In-Situ
• Thermo Scientific

4.2.4 Gas – NOx
4.2.5 Gas – CO₂
- Thermo Scientific
- California Analytical
- Land Combustion & Environmental Monitoring

4.2.6 Gas – CO
- TECO
- Land Combustion & Environmental Monitoring
- Thermo Scientific

4.2.7 Gas - Stack Flow (Ultrasonic)
- Sick Maihak

4.2.8 Gas – Dewpoint
- Endress-Hauser
- Kahn
- Panametrics
- Shaw

4.2.9 Gas – Humidity
- Vaisala
- Land Industries

4.2.10 Gas – Oxygen, In-Situ
- Rosemount
- Yokogawa
- Land Combustion & Environmental Monitoring

4.2.11 Water - Conductivity
- Foxboro
- Rosemount
- Yokogawa
- L&N

4.2.12 Water – Dissolved Oxygen
- Foxboro
- Rosemount
- Yokogawa

4.2.13 Water - Density
4.7 Control Stations (Local)
- Johnson Controls
- KEMCO
- Powell
- Sewell

4.8 Digital Control Systems - DCS
- Emerson Process Management (Ovation)
- Honeywell
- Mark 6 (for BOP if GE combustion turbines selected)

4.9 Control Valves

4.9.1 General Valves and Regulators
- Fisher

4.9.2 Control Valves and Regulators - Steam service
- CCI
- Fisher
- Flowserve/Valek
- SPX Dezurik Copes Vulcan

4.9.3 Control Valves – General Service
- Fisher Controls
- Masoneilan
- Rockwell Edwards
- Samson
- Tyco
- Flowserve/Valek
- SPX Dezurik Copes Vulcan

4.9.4 Control Valves – Severe Service
- CCI
- Fisher
- Flowserve/Valek
- SPX Dezurik Copes Vulcan

4.9.5 Turbine Bypass Control Valves
• CCI (sole source), 4.9.6 Control Valves – Rotary
• Fisher Controls
• Drexelbrook Engineering
• Endress Hauser
• Milltronics
• K-Tek

4.11 Density Devices
4.11.1 Indicators/Transmitters
• Thermo Scientific

4.12 Fire Detection
• Chemetron
• Grinnell/Automatic Sprinkler
• Notifier (Honeywell)
• Vulcan

4.13 Fittings, Tube
• Parker Hannifin
• Swagelok

4.14 Flame Scanners

Combustion turbines may use their standard suppliers. The HRSG duct burner shall use
• Forney Engineering
• Iris
• MPS Talentum
• ABB

4.15 Flow Devices
4.15.1 Averaging Pitot Tubes
• Rosemount (Dieterich Standard)
• Kurz
• FCI

4.15.2 Flow Computers

### Exhibit E – Acceptable Equipment and Materials Suppliers

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<th>Section</th>
<th>Equipment Types</th>
<th>Suppliers</th>
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<td>4.15.3</td>
<td>Flow Nozzles</td>
<td>Daniel Industries, Badger Meter, Flow Tech, Fluidic Techniques, Vickery-Simms</td>
</tr>
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<td>4.15.4</td>
<td>Orifices</td>
<td>Daniel Industries, Badger Meter, Flow Tech, Fluidic Techniques, Mack Iron Works</td>
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<tr>
<td>4.15.5</td>
<td>Restriction Orifices</td>
<td>Daniel Industries, Badger Meter, Flow Tech, Fluidic Techniques, Vickery-Simms</td>
</tr>
<tr>
<td>4.15.6</td>
<td>Venturi</td>
<td>Daniel Industries, Flow Tech, Fluidic Techniques, Vickery-Simms</td>
</tr>
<tr>
<td>4.15.7</td>
<td>Sight</td>
<td>Brooks Instruments DI, Ernst Gauge, Penberthy, Universal Flow Monitor</td>
</tr>
<tr>
<td>4.15.8</td>
<td>Precision Metering Run</td>
<td>Daniel Industries, Fluidic Techniques</td>
</tr>
<tr>
<td>4.15.9</td>
<td>Flow Indicators</td>
<td>Universal, Rosemont, Honeywell</td>
</tr>
</tbody>
</table>
4.15.10 Magnetic Flow meter
- ABB
- Fisher & Porter
- Rosemount
- Foxboro
- Brooks

4.15.11 Mass Flow Meter
- ABB
- Rosemount
- Sierra
- Honeywell

4.15.12 Paddle Flow Meter
- Brooks Instrument
- Ernst Gauge
- Penberthy
- Signet

4.15.13 Positive Displacement Flow Meter
- Badger Meter
- Neptune

4.15.14 Positive Displacement – Fuel Oil
- Brooks Instrument
- Badger Meter
- Brodies Meter

4.15.15 Rotameters
- Brooks Instruments
- ABB
- Penberthy
- Wallace & Tiernan

4.15.16 Flow Transmitter
- Rosemount
- ABB
- Foxboro
- Yokogawa
- Honeywell
<table>
<thead>
<tr>
<th>Date</th>
<th>Supplier</th>
<th>Flow Meter Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.15.18</td>
<td>Badger Meter</td>
<td>Ultrasonic</td>
</tr>
<tr>
<td>4.15.19</td>
<td>ITT Barton</td>
<td>Vortex Shedding Flow Meter</td>
</tr>
<tr>
<td>4.15.20</td>
<td>ABB, Polysonics</td>
<td>Slurry Flow</td>
</tr>
<tr>
<td>4.15.21</td>
<td>Krohne, Honeywell,Yokagawa,Rosemount,Brooks</td>
<td>Slurry Flow—Magnetic</td>
</tr>
<tr>
<td>4.16</td>
<td>Scientific Columbus</td>
<td>Frequency Transducers</td>
</tr>
<tr>
<td>4.17</td>
<td>ABB, Emerson, Foxboro, Masoneilian International, Action Pak, Moore, Fisher</td>
<td>I/P Converters</td>
</tr>
<tr>
<td>4.18</td>
<td>General Electric, Allen Bradley, Square D</td>
<td>Instruments (General Control And Indication)</td>
</tr>
<tr>
<td>4.19</td>
<td></td>
<td>Instruments (Laboratory)</td>
</tr>
</tbody>
</table>
4.20 Instruments – (PH Probes)
- Fisher Scientific
- Mettler Instrument Corp.
- Perkin Elmer

4.21 Instruments – Medium AND LOW Voltage Switchgear
- General Electric (Type SB-1 control switches, ET-16 lamp holder)
- ABB
- Yokagawa
- Multilin
- Schweitzer

4.22 Isolators, Electrical
- Black Box
- Rochester Instrument
- Rosemount

4.23 Level Devices
4.23.1 Controllers – Pneumatic, Displacer
- Emerson Fisher
- K-Tek
- Magnetrol
- Masoneilan

4.23.2 Level Gauges – Bubbler
- Meriam Instrument
- Uehling

4.23.3 Level Gauges – Float
- Daniel Industries
- Groth Equipment
- K-Tek

4.23.4 Level Gauges – Sight Glass
## 4.23.5 Level Gauges – Tank Monitoring

- Groth Equipment
- Rosemount - Varec

## 4.23.6 Level Indication System – Drum

- ABB
- Emerson Fisher
- Rosemount
- Solartron
- Yarway
- K-Tek
- Quest-Tec Solutions
- Clark-Reliance

## 4.23.7 Level Switches – Capacitance

- Drexelbrook
- K-Tek

## 4.23.8 Level Switches – Conductivity

- Solartron
- K-Tek
- Quest-Tec Solutions
- Clark-Reliance

## 4.23.9 Level Switches – Displacer

- Magnetrol
- SOR
- K-Tek

## 4.23.10 Level Switches – Float

- Groth Equipment
- Magnetrol
- SOR
- K-Tek
4.23.11 Level Switches - Ultrasonic
- Milltronics
- Sensall
- Magnetrol

4.23.12 Level Transmitters - Capacitance
- Drexelbrook

4.23.13 Level Transmitters - Displacer
- ABB
- K-Tek
- Magnetrol
- Rosemount
- Emerson Fisher

4.23.14 Level Transmitters – Ultra Sonic
- Prosonic Endress Hauser

4.24 Limit Switches

4.24.1 General
- Crouse Hinds
- Namco (Snap Lock)
- Topworx (formerly GO Switch)

4.24.2 Proximity
- Allen Bradley
- Balluff
- GE
- Topworx (formerly GO Switch)
- Square D

4.24.3 Rotary Position
- ABB
- Emerson Fisher

4.25 Local Pneumatic Instrumentation
4.26 Manifolds

- Fisher Controls
- Foxboro
- Mosonelian International
- Moore Products

4.27 Multiplexers

- Bailey Controls
- Modicon
- Yokogawa
- Moore Products

4.28 Panel Devices

4.28.1 Panel Lights

- Allen Bradley
- General Electric
- Square D

4.28.2 Analog Panel Meters

- Yokogawa
- Newport

4.28.3 Digital Panel Meters

- Digitec
- Newport
- Precision
- Red Lion
- Weschler

4.28.4 Digital – Counters

- Eagle Signal Controls
- Veeder-Root
- Newport

4.28.5 Digital – Tachometers

- Bentley Nevada
- IRD Mechanalysis
### Panel Switches – Thumbwheels
- GE
- Allen Bradley

### Power Supplies
- Lambda
- Sola

### Pressure Devices
#### Manometers
- Meriam Instrument

#### Pressure Gages
- Ashcroft
- Rosemont
- Perma-Cal Industries
- McDaniels

#### Pressure Transmitters
- Rosemount
- ABB
- Foxboro
- Yokogawa
- Honeywell

### Pressure Switches
- SOR
- Barksdale
- Dwyer
- United Electric
- ASCO

### Programmable Logic Controllers
- Use DCS in all control applications, if this absolutely cannot be done then Allen Bradley PLC only with the exception for CEMDAS and Air Compressors application.
LG&E/KU

Cane Run Generating Station
Natural Gas Combined Cycle Project

Engineering, Procurement and Construction
Issue: For Contract
Section Revision: 2

Exhibit E – Acceptable Equipment and Materials Suppliers
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4.36.4 Thermometers
- Conax
- Ashcroft
- Palmer Instruments

4.36.5 Thermometers - Dial
- Ashcroft
- Palmer Instruments
- Temp-Line
- Dresser

4.36.6 Thermowells
- Omega
- Thermo Electric
- UEC
- Daily Thermetic
- PYCO
- Conax

4.37 VAR Transducers
- Scientific Columbus

4.38 Vibration
4.38.1 Vibration Monitoring Systems
- Bently-Nevada
- IRD
- ABB ETSI
- Emerson CSI

4.39 Voltage Devices
4.39.1 Transducers
- Scientific Columbus
- Transdata