

## Unit 1 Specifications and Systems List

### Systems

APB	AC Power Supply (120/208 Volts)
APC	AC Power Supply (480 Volts)
APD	AC Power Supply (4160 Volts)
APF	AQCS Reserve Power Supply
APH	DC Power Supply
API	Uninterruptible Power Supply
ASB	Fly Ash
BSA	Buildings and Enclosures
CAB	AQCS Compressed Air
CCB	Pulse Jet Fabric Filter
CCE	Induced Draft
CCF	Selective Catalytic Reduction
CCH	Sorbent Injection
CCH	Powder Activated Carbon Injection
CGE	Ammonia Supply
CMA	Communication
COA	Control and Monitoring
EEA	Freeze Protection
EEB	Grounding
FPA	Fire Protection
LTA	Lighting
SGM	Neural Network
STA	Site
WSC	AQCS Service Water

### Specifications

#### Civil / Structural Purchase Contracts:

61.0800	Concrete
61.0915	Metal Wall and Roof Panel Systems
61.1808	Precast Concrete Manholes
61.3801	Ductwork and Breeching
61.4001	Structural Steel
61.4006	Metal Roof Deck and Concrete Deck Form

#### Architectural Purchase Contracts:

62.0942	Building Insulation
62.3200	Building HVAC
62.0800	Fire Protection Equipment

#### Electrical Purchase Contracts:

63.0000	Electrical Equipment & Materials
63.0501	Lightning Protection Equipment and Materials
63.0601	Plant Communication System

63.0604	Plant Security System
63.0700	Cathodic Protection
63.0801	Medium Voltage Power Cable
63.0824	Cable - 600V Control - Non-Class 1E
63.0840	Cable - 300-600V Instrument & T/C - Non-Class 1E
63.1201	Iso-Phase Bus Duct
63.1206	Cable Bus
63.2000	Metering & Relaying
63.2001	Protective Relay Panels
63.2600	Raceway - General
63.2601	Raceway - Duct Bank Materials
63.2605	Wireways
63.2610	Raceway - Cable Tray
63.2800	UPS System
63.2801	Batteries - DC Equipment
63.2805	Panel Boards
63.2806	125V DC Distribution Panel
63.3000	Motor Control Centers Equipment
63.3002	Variable Frequency Drives
63.3600	Switchgear and Motor Control Assemblies
63.3601	Medium Voltage Switchgear
63.3602	Medium Voltage Controllers
63.3802	Aux Transformer
63.5001	Lighting
63.5002	Junction Boxes
63.5030	Welding System
63.5500	Grounding Materials and Equipment
63.6210	Disconnect Switches

**Control Purchase Contracts:**

64.0202	DCS / PLC mods
64.0203	Misc Control Loop System
64.0404	Vibration Monitoring
64.0407	Neural Networks
64.0602	Primary Flow elements
64.0607	Sight Flow Indicators
64.0613	Flow Meters
64.0801	Transmitters - Level
64.0805	Switches - Level
64.1001	Transmitters - Pressure
64.1002	Indicators - Pressure
64.1202	Indicators - Temperature
64.1203	Thermocouple Assemblies & TWS
64.1601	Control Cabinets & Control Panels
64.1602	Instr. Racks and Enclosures
64.5010	Tubing

64.5050 Instrument Stands

**Environmental Chemical Purchase Contracts:**

65.1113 Ammonia Supply/Storage  
65.3230 SO<sub>3</sub> Removal System (Sorbent Injection)  
65.3120 Pulse Jet Fabric Filter  
65.3310 NO<sub>x</sub> Reduction System  
65.3311 NO<sub>x</sub> Catalyst  
65.3500 PAC Mercury Control  
65.3600 Continuous Emissions Monitoring (CEM)  
65.4100 Safety Showers

**Mechanical Materials Purchase Contracts:**

66.1000 Pipe and Piping Accessories  
66.2070 Pipe Supports (Purchaser Designed)  
66.3000 Valves

**Mechanical Equipment Purchase Contracts:**

67.0400 Fly Ash Handling  
67.5300 Shop Fabricated Tanks  
67.9532 Induced Draft Fans

**Civil / Structural Construction Contracts:**

71.0402 General Construction - Substructures  
71.0403 General Construction - Superstructures

**Architectural Construction Contracts:**

72.0600 Field Applied Protective Coatings

**Electrical / Control Construction Contracts:**

73.0201 Electrical Equipment Erection  
73.0205 Iso-Phase Bus Duct Installation  
73.0900 Freeze Protection

**Control and Instrumentation Construction Contracts:**

74.0200 Control & Instrumentation Installation

**Mechanical Materials Construction Contracts:**

76.1000 Plant Piping Installation

**Mechanical Equipment Construction Contracts:**

77.0000 Mechanical Equipment Erection  
77.5450 Field Erected Tanks

## Unit 2 Specifications and Systems List

### Systems

APB	AC Power Supply (120/208 Volts)
APC	AC Power Supply (480 Volts)
APD	AC Power Supply (4160 Volts)
APF	AQCS Reserve Power Supply
APH	DC Power Supply
API	Uninterruptible Power Supply
ASB	Fly Ash
BSA	Buildings and Enclosures
CAB	AQCS Compressed Air
CCB	Pulse Jet Fabric Filter
CCE	Induced Draft
CCF	Selective Catalytic Reduction
CCH	Sorbent Injection
CCH	Powder Activated Carbon Injection
CGE	Ammonia Supply
CMA	Communication
COA	Control and Monitoring
EEA	Freeze Protection
EEB	Grounding
FPA	Fire Protection
LTA	Lighting
PPF	Overhead Transmission Line
SGM	Neural Network
STA	Site
WSC	AQCS Service Water

### Specifications

#### Civil / Structural Purchase Contracts:

61.0800	Concrete
61.0915	Metal Wall and Roof Panel Systems
61.3801	Ductwork and Breeching
61.4001	Structural Steel
61.4006	Metal Roof Deck
61.4200	Power Transmission Structures and Accessories

#### Architectural Purchase Contracts:

62.0942	Building Insulation
62.3200	Building HVAC
62.0800	Fire Protection Equipment

**Electrical Purchase Contracts:**

63.0000	Electrical Equipment & Materials
63.0501	Lightning Protection Equipment and Materials
63.0601	Plant Communication System
63.0604	Plant Security System
63.0700	Cathodic Protection
63.0801	Medium Voltage Power Cable
63.0824	Cable - 600V Control - Non-Class 1E
63.0840	Cable - 300-600V Instrument & T/C - Non-Class 1E
63.1201	Iso-Phase Bus Duct
63.1206	Cable Bus
63.2000	Metering & Relaying
63.2001	Protective Relay Panels
63.2600	Raceway - General
63.2601	Raceway - Duct Bank Materials
63.2605	Wireways
63.2610	Raceway - Cable Tray
63.2800	UPS System
63.2801	Batteries - DC Equipment
63.2805	Panel Boards
63.2806	125V DC Distribution Panel
63.3000	Motor Control Centers Equipment
63.3002	Variable Frequency Drives
63.3600	Switchgear and Motor Control Assemblies
63.3601	Medium Voltage Switchgear
63.3602	Medium Voltage Controllers
63.3802	Aux Transformer
63.5001	Lighting
63.5002	Junction Boxes
63.5030	Welding System
63.5500	Grounding Materials and Equipment
63.6210	Disconnect Switches
63.7400	Overhead Transmission Package

**Control Purchase Contracts:**

64.0202	DCS / PLC mods
64.0203	Misc Control Loop System
64.0404	Vibration Monitoring
64.0407	Neural Networks
64.0602	Primary Flow elements
64.0607	Sight Flow Indicators
64.0613	Flow Meters
64.0801	Transmitters - Level
64.0805	Switches - Level
64.1001	Transmitters - Pressure

64.1002	Indicators - Pressure
64.1202	Indicators - Temperature
64.1203	Thermocouple Assemblies & TWS
64.1601	Control Cabinets & Control Panels
64.1602	Instr. Racks and Enclosures
64.5010	Tubing
64.5050	Instrument Stands

**Environmental Chemical Purchase Contracts:**

65.1113	Ammonia Supply/Storage
65.3230	SO <sub>3</sub> Removal System (Sorbent Injection)
65.3120	Pulse Jet Fabric Filter
65.3310	NO <sub>x</sub> Reduction System
65.3311	NO <sub>x</sub> Catalyst
65.3500	PAC Mercury Control
65.3600	Continuous Emissions Monitoring (CEM)
65.4100	Safety Showers

**Mechanical Materials Purchase Contracts:**

66.1000	Pipe and Piping Accessories
66.2070	Pipe Supports (Purchaser Designed)
66.3000	Valves

**Mechanical Equipment Purchase Contracts:**

67.0400	Fly Ash Handling
67.5300	Shop Fabricated Tanks
67.9532	Induced Draft Fans

**Civil / Structural Construction Contracts:**

71.0100	Demolition Works
71.0201	Sitework
71.0402	General Construction - Substructures
71.0403	General Construction - Superstructures

**Architectural Construction Contracts:**

72.0600	Field Applied Protective Coatings
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**Electrical / Control Construction Contracts:**

73.0201	Electrical Equipment Erection
73.0205	Iso-Phase Bus Duct Installation
73.0900	Freeze Protection

**Control and Instrumentation Construction Contracts:**

74.0200	Control & Instrumentation Installation
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**Mechanical Materials Construction Contracts:**

76.1000 Plant Piping Installation

**Mechanical Equipment Construction Contracts:**

77.0000 Mechanical Equipment Erection

77.5450 Field Erected Tanks

## Unit 3 Specifications and Systems List

### Systems

APB	AC Power Supply (120/208 Volts)
APC	AC Power Supply (480 Volts)
APD	AC Power Supply (4160 Volts)
APF	AQCS Reserve Power Supply
APH	DC Power Supply
API	Uninterruptible Power Supply
ASB	Fly Ash
BSA	Buildings and Enclosures
CAB	AQCS Compressed Air
CCB	Pulse Jet Fabric Filter
CCE	Induced Draft
CCH	Sorbent Injection
CCH	Powder Activated Carbon Injection
CMA	Communication
COA	Control and Monitoring
EEA	Freeze Protection
EEB	Grounding
FPA	Fire Protection
LTA	Lighting
SGM	Neural Network
STA	Site
WSC	AQCS Service Water

### Specifications

#### Civil / Structural Purchase Contracts:

61.0800	Concrete
61.3801	Ductwork and Breeching
61.4001	Structural Steel
61.4006	Metal Roof Deck and Concrete Deck Form

#### Architectural Purchase Contracts:

62.0942	Building Insulation
62.3200	Building HVAC
62.0800	Fire Protection Equipment

#### Electrical Purchase Contracts:

63.0000	Electrical Equipment & Materials
63.0501	Lightning Protection Equipment and Materials
63.0601	Plant Communication System
63.0604	Plant Security System
63.0700	Cathodic Protection
63.0801	Medium Voltage Power Cable
63.0824	Cable - 600V Control - Non-Class 1E



63.0840	Cable - 300-600V Instrument & T/C - Non-Class 1E
63.1203	Generator Breaker
63.1206	Cable Bus
63.2000	Metering & Relaying
63.2001	Protective Relay Panels
63.2600	Raceway - General
63.2601	Raceway - Duct Bank Materials
63.2605	Wireways
63.2610	Raceway - Cable Tray
63.2800	UPS System
63.2801	Batteries - DC Equipment
63.2805	Panel Boards
63.2806	125V DC Distribution Panel
63.3000	Motor Control Centers Equipment
63.3002	Variable Frequency Drives
63.3600	Switchgear and Motor Control Assemblies
63.3601	Medium Voltage Switchgear
63.3602	Medium Voltage Controllers
63.3802	Aux Transformer
63.5001	Lighting
63.5002	Junction Boxes
63.5030	Welding System
63.5500	Grounding Materials and Equipment
63.6210	Disconnect Switches

**Control Purchase Contracts:**

64.0202	DCS / PLC mods
64.0203	Misc Control Loop System
64.0404	Vibration Monitoring
64.0407	Neural Networks
64.0602	Primary Flow elements
64.0607	Sight Flow Indicators
64.0613	Flow Meters
64.0801	Transmitters - Level
64.0805	Switches - Level
64.1001	Transmitters - Pressure
64.1002	Indicators - Pressure
64.1202	Indicators - Temperature
64.1203	Thermocouple Assemblies & TWS
64.1601	Control Cabinets & Control Panels
64.1602	Instr. Racks and Enclosures
64.5010	Tubing
64.5050	Instrument Stands

**Environmental Chemical Purchase Contracts:**

- 65.3230 SO3 Removal System (Sorbent Injection)
- 65.3120 Pulse Jet Fabric Filter
- 65.3500 PAC Mercury Control
- 65.3600 Continuous Emissions Monitoring (CEM)
- 65.4100 Safety Showers

**Mechanical Materials Purchase Contracts:**

- 66.1000 Pipe and Piping Accessories
- 66.2070 Pipe Supports (Purchaser Designed)
- 66.3000 Valves

**Mechanical Equipment Purchase Contracts:**

- 67.0400 Fly Ash Handling
- 67.5300 Shop Fabricated Tanks
- 67.9532 Booster Fans

**Civil / Structural Construction Contracts:**

- 71.0100 Demolition Works
- 71.0402 General Construction - Substructures
- 71.0403 General Construction - Superstructures

**Architectural Construction Contracts:**

- 72.0600 Field Applied Protective Coatings

**Electrical / Control Construction Contracts:**

- 73.0201 Electrical Equipment Erection
- 73.0205 Iso-Phase Bus Duct Installation
- 73.0900 Freeze Protection

**Control and Instrumentation Construction Contracts:**

- 74.0200 Control & Instrumentation Installation

**Mechanical Materials Construction Contracts:**

- 76.1000 Plant Piping Installation

**Mechanical Equipment Construction Contracts:**

- 77.0000 Mechanical Equipment Erection
- 77.5450 Field Erected Tanks

## Unit 4 Specifications and Systems List

### Systems

APB	AC Power Supply (120/208 Volts)
APC	AC Power Supply (480 Volts)
APD	AC Power Supply (4160 Volts)
APF	AQCS Reserve Power Supply
APH	DC Power Supply
API	Uninterruptible Power Supply
ASB	Fly Ash
ASE	FGD Byproduct Dewatering (Interface with Existing)
BMC	FGD Reagent Preparation (Interface with Existing)
BSA	Buildings and Enclosures
CAB	AQCS Compressed Air
CCA	Chimney
CCB	Pulse Jet Fabric Filter
CCC	Flue Gas Desulfurization
CCE	Induced Draft
CCH	Powder Activated Carbon Injection
CCH	Sorbent Injection
CMA	Communication
COA	Control and Monitoring
EEA	Freeze Protection
EEB	Grounding
FPA	Fire Protection
LTA	Lighting
PPF	Overhead Transmission Line
SAA	Continuous Emission Monitoring System
SGM	Neural Network
STA	Site
WSC	AQCS Service Water
WSG	WFGD Makeup Water
WWC	Wastewater

### Specifications

#### Civil / Structural Purchase Contracts:

61.0800	Concrete
61.1000	Exhaust Chimney (F&E)
61.1808	Precast Concrete Manholes
61.3801	Ductwork and Breeching
61.4001	Structural Steel
61.4006	Metal Roof Deck and Concrete Deck Form
61.4200	Power Transmission Structures and Accessories

**Architectural Purchase Contracts:**

- 62.0213 Pre-Engineered Metal Building (F&E)
- 62.0942 Building Insulation
- 62.3200 Building HVAC
- 62.0800 Fire Protection Equipment

**Electrical Purchase Contracts:**

- 63.0000 Electrical Equipment & Materials
- 63.0501 Lightning Protection Equipment and Materials
- 63.0601 Plant Communication System
- 63.0604 Plant Security System
- 63.0700 Cathodic Protection
- 63.0801 Medium Voltage Power Cable
- 63.0824 Cable - 600V Control - Non-Class 1E
- 63.0840 Cable - 300-600V Instrument & T/C - Non-Class 1E
- 63.1203 Generator Breaker
- 63.1206 Cable Bus
- 63.2000 Metering & Relaying
- 63.2001 Protective Relay Panels
- 63.2600 Raceway - General
- 63.2601 Raceway - Duct Bank Materials
- 63.2605 Wireways
- 63.2610 Raceway - Cable Tray
- 63.2800 UPS System
- 63.2801 Batteries - DC Equipment
- 63.2805 Panel Boards
- 63.2806 125V DC Distribution Panel
- 63.3000 Motor Control Centers Equipment
- 63.3002 Variable Frequency Drives
- 63.3600 Switchgear and Motor Control Assemblies
- 63.3601 Medium Voltage Switchgear
- 63.3602 Medium Voltage Controllers
- 63.3802 Aux Transformer
- 63.5001 Lighting
- 63.5002 Junction Boxes
- 63.5030 Welding System
- 63.5500 Grounding Materials and Equipment
- 63.6210 Disconnect Switches
- 63.7400 Overhead Transmission Package

**Control Purchase Contracts:**

- 64.0202 DCS / PLC mods
- 64.0203 Misc Control Loop System
- 64.0404 Vibration Monitoring
- 64.0407 Neural Networks
- 64.0602 Primary Flow elements

64.0607	Sight Flow Indicators
64.0613	Flow Meters
64.0801	Transmitters - Level
64.0805	Switches - Level
64.1001	Transmitters - Pressure
64.1002	Indicators - Pressure
64.1202	Indicators - Temperature
64.1203	Thermocouple Assemblies & TWS
64.1601	Control Cabinets & Control Panels
64.1602	Instr. Racks and Enclosures
64.5010	Tubing
64.5050	Instrument Stands

**Environmental Chemical Purchase Contracts:**

65.1113	Ammonia Supply/Storage
65.3230	SO <sub>3</sub> Removal System (Sorbent Injection)
65.3120	Pulse Jet Fabric Filter
65.3500	PAC Mercury Control
65.3600	Continuous Emissions Monitoring (CEM)
65.4100	Safety Showers

**Mechanical Materials Purchase Contracts:**

66.1000	Pipe and Piping Accessories
66.2070	Pipe Supports (Purchaser Designed)
66.3000	Valves

**Mechanical Equipment Purchase Contracts:**

67.0400	Fly Ash Handling
67.5300	Shop Fabricated Tanks
67.9532	Booster Fans

**Civil / Structural Construction Contracts:**

71.0100	Demolition Works
71.0402	General Construction - Substructures
71.0403	General Construction - Superstructures

**Architectural Construction Contracts:**

72.0600	Field Applied Protective Coatings
72.0900	Building Finishes

**Electrical / Control Construction Contracts:**

73.0201	Electrical Equipment Erection
73.0205	Iso-Phase Bus Duct Installation
73.0900	Freeze Protection

**Control and Instrumentation Construction Contracts:**

74.0200 Control & Instrumentation Installation

**Mechanical Materials Construction Contracts:**

76.1000 Plant Piping Installation

**Mechanical Equipment Construction Contracts:**

77.0000 Mechanical Equipment Erection

77.5450 Field Erected Tanks