Exhibit K

APPENDIX B

Detailed Facility and Equipment Data

DETAILED FACILITY AND EQUIPMENT DATA

PART A - GENERAL

1. Drawings. Note drawing requirements identified in Appendices A and B. See proposal subsection 2.15.

2. Mass and Energy Balance Diagrams 03-49-001, See attached Drawings Nos. 03-49-002,03-49-003 (State location in Proposal).

3. Cycle Heat Balance Diagram

   A. Maximum Continuous Rating (Turbine VWO 5% OP) See attached Drawing No. 03-49-001 (State location in Proposal).
   B. Guaranteed Load (GL). See attached Drawing No. 03-49-002 (State location in Proposal).
   C. Temperature Control Point (CP). See attached Drawing No. 03-49-003 (State location in Proposal).

4. Boiler Operating Firing Diagram, See subsection 2.15 of proposal.

5. Temperature Profile Diagrams (As defined in Paragraph 3.1 of Appendix B).

   A. Guaranteed Load (GL). See attached Drawing No. P25-0905-3B (State location in Proposal).

   B. Maximum Continuous Rating (MCR). See attached Drawing No. P25-0905-2B (State location in Proposal).

6. Electrical

   A. One Line Diagram complete with protective relays and metering. See attached Drawing No. 10-49-001 10-49-002 (State location in Proposal).

7. The Proposer shall acknowledge and certify below that all civil/structural requirements specified in Section 6.0 of Appendix B, TECHNICAL REQUIREMENTS, are included in it's Proposal. Facility design and construction (conforms) ~~(does not conform)~~ to Paragraph 6.0 of Appendix B. The Proposer shall provide an itemized description of all exceptions taken, if any, to Paragraph 6.0 of Appendix B.

8. Building Data

   The Proposer shall provide a brief description of the type of structure and materials of construction, along with approximate building size, for each building or enclosure proposed in the space below.

See Section 2.10, Buildings for description of buildings.

9. Storage and Tipping Area

A.	Tipping area dimensions (length x width x clearance) Length shall be measured from the front edge of the storage pit to the opposite edge of the tipping area.	Self-unloading Hand-unloading	133' x 142'x 30' 50' x 240'x 28'3"
B.	Number of vehicle unloading positions	8	Storage Pit
C.	Refuse Storage Pit		
	Elevation of Tipping Floor, ft-in.		25'-0"
	Elevation of Top of Charging Hopper ft-in.		78'-0"
	Elevation of Bottom of Storage Pit, ft-in.		(-)15'-0"
	Length of Storage Pit, ft-in.		142'-0"
	Width of Storage Pit, ft-in. (Measured from inside of front wall to inside of back wall)		50'-0"
	Design Storage Capacity, yd^3		17,487
	Design Storage Capacity, tons		4,900
	Design refuse density used in calculating storage capacity, lb/yd, below tipping floor/above tipping floor		600 / 500
D.	Receiving Pit		
	Length of Receiving Pit, ft-in.		240'-0"
	Width of Receiving Pit, ft-in.		40'-0"
	Depth of Receiving Pit at Emergency Loadout Area, ft-in.		6'-9" below hand unloading area

Depth of Receiving Pit at Storage Pit Interface, ft-in.	16'-9" below hand unloading area

10. Architectural Treatment

A description of the materials proposed for the architectural treatment of all structures and a description of the landscaping proposed is included as attached sheets for arch, see Section 2.10 (Rendering shall be provided). For landscaping,

PART B - COMBUSTION PLANT EQUIPMENT

1. Steam Generating Units

A.	Manufacturer	Babcock & Wilcox	
B.	Number of Units	2	
C.	Furnace Volume, ft^3 (As defined in Paragraph 3.1 of Appendix B)	24,249	
D.	Design gross furnace heat release per furnace volume $Btuh/ft^3$	7,560	
E.	Plan area of grate as defined in Paragraph 3.1 of Appendix B.	512.1	
F.	Gross heat release per plan area of grate, $Btuh/ft^2$	358,000	
		GL	MCR
G.	Steam and Water Flows, lb/hr		
	Superheater outlet steam flow	91,800	110,200
	Boiler blowdown water flow	450	550
	Economizer inlet feedwater flow	87,500	102,000
H.	Steam and Water Pressures, psig		
	Superheater outlet steam pressure	900	900
	Steam drum pressure	976	1,001
	Economizer inlet pressure	1,010	1,046
	Pressure drop from steam drum to superheater outlet	76	101
I.	Steam and Water Temperatures, F		
	Superheater outlet temperature	830	830
	Economizer inlet feedwater temperature	300	300
J.	Steam Purity		
	Average solids content in steam leaving boiler, ppm	1.0	1.0

K.	Flue Gas Flows, lb/h Leaving economizer	260,620	305,570
L.	Average Flue Gas Temperatures, F		
	Superheater (inlet)	1,243	1,331
	Economizer exit	450	480
	Dry scrubber exit	260	260
	Precipitator/baghouse outlet	250	250
	Stack exit	240	240
M.	Average Flue Gas Velocities, ft/sec		
	Through furnace pass	13	16
	Through superheater section	10	12
	Through Boiler section	25	30
	Through economizer	26	30
	Through precipitator/baghouse	3.22	4.00
	Stack exit	63.5	80.8
N.	Air Flows, lb/h		
	Secondary air to furnace	84,770	111,200
	Primary air to furnace	127,150	166,820
	Excess air for fan sizing, %	100	100
O.	Air Pressures, in. H_2O		
	FD fan outlet	7.6	13.0
	Pressure drop through grate without refuse load	4.5	7.0
	Secondary fan outlet	13.9	24.0
P.	Air Temperatures, F		
	Design ambient, min.	0	0
	Air temperature to forced draft fan and secondary air fan, F (for boiler performance evaluation)	80	80

	Design humidity, % RH	60	60
	Primary air heater inlet, F	80	80
	Primary air heater outlet, F	80	80
Q.	Heat Balance, %		
	Excess air leaving economizer (for boiler performance evaluation)	100	100
	Dry gas loss	14.0	15.4
	Loss due to H_2 and H_2O in fuel	14.04	12.35
	Loss due to H_2O in air	0.32	0.35
	Loss due to unburned combustibles	3.0	1.79
	Radiation loss	0.4	0.4
	Unaccounted for and manufacturer's margin	1.30	1.10
	Total losses	33.06	31.39
	Efficiency	66.94	68.61
R.	Ash Deposition		
	Fraction of ash leaving boiler with flue gas including ash collected in boiler fly ash hoppers, %	19.3	33.8
	Fraction of ash leaving boiler as bottom ash and siftings, %	80.7	66.2
	Total quantity of ash (including bottom ash, siftings, and flyash), lb/hr	15,421	13,990
	Typical size of particulate in flue gas, %	-	-
	0-5 microns	36	36
	5-10 microns	10	10
	10-20 microns	10	10
	larger than 20 microns	44	44

S. Emission Factors in lb/ton of Acceptable Waste

The Company shall guarantee for the following pollutants emission rates at or below the rates listed in Appendix B. Anticipated emission rates for criteria pollutants shall be listed below:

*See Footnotes on Proposal Form 16, Section 4

	Average(A)	Max(1)
Particulate Matter (solid and condensible) (F)	0.15	0.02 gr/dscf
Sulfur Dioxide	45	50 ppm
Nitrogen Dioxide	300	300 ppm(B)
Carbon Monoxide (4-day average)	60	100 ppm
Carbon Monoxide (8-hour average)	60	400 ppm
Total Hydrocarbons as CH_4 (Gaseous Non-Methane)	2	3 ppm(B)
Lead	3 E-4	0.001 gr/dscf
Opacity of Stack	5	10%(3)
Chlorides	30	50 ppm
Tetra-hepta chlorinated isomers (G)	100	200 ng/dscm

The following elements and compounds have been detected in emissions from resource recovery facilities. The Company shall provide information on emissions of such substances from the proposed Facility based on Acceptable Waste and the best information available.

	LB/MMBTU(A)	
Arsenic	8.5 E-6	
Asbestos	(C)	
Beryllium	4.2 E-8	
Cadmium	3.8 E-5	
Chromium	5.1 E-5(E)	
Copper	6.8 E-5	
Manganese	2.5 E-5	
Nickel	2.5 E-5(E)	
Selenium	2.1 E-6(E)	

	Sulfuric Acid Mist	7.5 E-3 (E)	
	Reduced Sulfur	(D)	
	Tin	4.2 E-4 (E)	
	Vanadium	1.7 E-6	
	Vinyl Chloride	1.1 E-6 (E)	
	Zinc	2.79 E-3	
	PAH	4.4 E-6 (E)	
	PCB	1.2 E-7 (E)	
T.	Ash/Residue		
	Bottom ash and residue, lb/hr (dry)	12,652	9,456
	Fly ash, lb/hr (dry)	2,769	4,534
	Percent moisture of bottom ash to landfill	18.4	18
U.	Boiler Data		
	Inside diameter of Steam/Mud drum, in.	60/NA	
	Boiler section heat transfer surface area, ft^2	16,455	
	Boiler tube diam/wall thickness, in.	20/0.018	
	Boiler tube clear side spacing, in.	4.0	
	Waterwall tube diam/wall thickness, in.	2.5/0.203	
	Total Furnace water surface (inside furnace volume as defined in Paragraph 3.1 of Appendix) including screen sections in furnace passes	5,473	
	Steam drum design pressure, (psig)	1,075	
V.	Superheater Data		
	Design pressure, psig	1,075	
	Total superheater surface, ft^2	15,636	

	Superheater tube diam/wall thickness, in.	2.5 / 0.203 & 0.18
	Superheater tube clear side spacing, in.	3.5
	Superheater pressure drop at VWO and over pressure flow, psi	101
	Superheater arranged for parallel flow (yes/no)	No
W.	Economizer Data	
	Type of economizer	Continuous Bare Tube
	Design pressure, psig	1,125
	Effective heating surface, ft^2	11,812
	Tube diam/wall thickness, in.	2.0/0.18
	Economizer tube clear side spacing, in.	2.0
X.	Main steam line pressure drop at VWO and over pressure flow, psi (excluding boiler stop check valve)	50
Y.	Boiler stop check valve pressure drop at VWO and over pressure flow, psi	10
2.	Refuse Handling Cranes	
A.	Manufacturer	P & H or equal
B.	Quantity	2
C.	Crane Capacity (Tons)	9
D.	Grapple Size, yd^3	6
E.	Crane design handling rate, TPH	in excess of 50
F.	Speeds at full load	
	1. Hoist, ft/min	250
	2. Bridge travel, ft/min	250
	3. Trolley travel, ft/min	175

4.	Maximum hoist lift, ft	98"-0"		
5.	Controls, type	AC, Static-Stepless		
G.	CMAA Rating	Class F		
3.	Refuse Hoppers and Feed Chutes			
A.	Manufacturer	Von Roll or equal		
B.	Hopper Capacity, tons	20 (Nominal)		
C.	Feed Chute	4'-6" x 13'-4"		
	Size of largest item which will pass through chute, LxWxH, ft	3'-0" x 3'-0" x 6'-0"		
	Chute cooling system	water cooled		
4.	Refuse Feeders			
A.	Manufacturer, Type	Von Roll		
B.	Capacity, Tons/hr, Maximum	19.2		
5.	Stokers and Grates			
A.	Type and Manufacturer	Von Roll		
B.	Grate Material (ASTM)	ASTM N/A (Hi Chrome)		
6.	Fans			
A.	Manufacturer	TLT	Babcock	
B.	Type of blades	CB1	CB1	Air Foil
C.	Net Operation Requirements:			
	Capacity, cfm	29078	19385	90526
	Gas/Air Temperature, °F	80	80	230
	Static pressure, in H_2O	8.4	14.82	8.0
	Efficiency, %	57.1	49.3	41.5
	Power to fan coupling, hp	68.0	92	293
D.	Test Block Requirements:			
	Capacity, lb/hr, (cfm)	44500	31790	121426
	Gas/Air Temperature, °F	95	95	280

Static Pressure, in H_2O	19.08	33.66	14.40
Efficiency, %	85.8	85.3	78.5
Power to fan coupling, hp	157	198	368
E. Motor Data:			
Manufacturer	GE	GE	GE
Motor Size, hp	200	200	400
Enclosure Type	TEFC	TEFC	TEFC
Service Factor	1.0	1.0	1.0
Volts/phase/Hz	480/3/60	480/3/60	4160/3/60
F. Bearing Arrangement	Outboard	Outboard	Outboard
G. Operating speed, rpm	1800	1800	900

7. Air Preheaters

A. Manufacturer	ERI
B. Duty, Btu/Hr	11,880,000
C. Design Conditions	
Inlet air temperature, °F	-20°F
Outlet air temperature, °F	+250°F

8. Electrostatic Precipitator

A. Manufacturer:	WAPC
B. Flue Gas Data (Per Unit):	
1. Maximum Flow, ACFM	115,500
2. Maximum Velocity, FPS	4
3. Maximum Temperature, °F	500

C. Particulate Emissions at Stack Exit

	Removal Efficiency	Inlet Loading @ 7% O_2	Outlet Loading @ 7% O_2
With Reference Waste:	99.26%	2.72 gr/dscf	.02 gr/dscf

D.	Aspect Ratio (Effective length divided by effective height)	1.5
E.	Number of Fields	4 mechanical, 3 electrical
F.	Gas treatment time, sec.	9 sec @ maximum flow
G.	Specific Collection Area (SCA), ft^2/1000 acfm	360 @ maximum flow
H.	Insulation	
	1. Materials	Fiberglass Board
	2. Thickness, in.	4
	3. Cladding	Aluminum Surfaced

9. Baghouses

A.	Type (Pulse jet or Reverse Air)	N/A
B.	Manufacturer	N/A
C.	Flue Gas Data (Per Unit)	
	1. Maximum Flow, ACFM	N/A
	2. Maximum Temperature, °F	N/A
	3. Air-to-Cloth Ratio net-net	N/A
	gross	N/A
	4. Number of Compartments	N/A
D.	Particulates Removal Efficiency	
	1. Efficiency, %	N/A
	2. Inlet loading at 7% O_2, gr/dscf	N/A
	3. Outlet loading at 7% O_2, gr/dscf	N/A
E.	Bag Material	N/A
F.	Insulation	
	1. Materials	N/A
	2. Thickness, in.	N/A

3. Cladding — N/A

10. Dry Acid Gas Scrubbing Equipment

A. Number of Units — 2

B. Manufacturer — Wheelabrator Air Pollution Control

C. Flue Gas Data (per unit)

1. Maximum Flow, ACFM — 118,000

2. Maximum Temperature, F — 500

3. Maximum Outlet Temperature, F — 500

4. Minimum Outlet Temperature, F — 250-260

5. Average Outlet Temperature, F — 270

D. Removal Efficiencies

1. HCl

a. Efficiency, % — 95

b. Inlet Concentration at 7% O_2 PPMDV — 833

c. Outlet Concentration at 7% O2 PPMDV — Less than 50

2. SO_2

a. Efficiency, % — 80

b. Inlet Concentration at 7% O_2 PPMDV — 262

c. Outlet Concentration at 7% O_2 PPMDV — 50

E. Chemical Used for Neutralization — Lime Slurry (OH)

F. Average Neutralization Chemical Use (per unit), lbs/hr — 346 lb. lime

G. Average Water Use (per unit), GPM — 20

H. Atomization System
1. Type — two fluid nozzles
2. Manufacturer — turbotac

I. Control and Instrumentation

1. HCl — Not measured

2. SO_2 — removal of 65% of SO_2 will remove 95% of HCl

3. Outlet Temperature — Lime Slurry flow controlled by ESP outlet temperature. SDA outlet temperature controls dilution water flow.

11. Ash Handling System

A. Bottom Ash System

1. Manufacturer — Ash Dischargers: Babcock & Wilcox; Conveyors: Kinematles/Young & Vann or equal

2. Type — Wet Ram Ash Expellers

3. Capacity, tons/hr — in excess of 15

4. Ash Storage Dimensions,* (LxWxD from bottom ash inlet point) — Ash: 90' x 28' x 15'; Metal: 90' x 30' x 15'

5. Design density of ash for storage/structural design, lb/ft^3 — Metal: 30 / 120; Ash: 70 / 120

6. Size of largest item passable through system, LxWxH, ft — 3' x 3' x 6'

B. Fly Ash System

1. Manufacturer — Screw Conveyors: Thomas or equal; Drag Conveyors: Astech or equal

2. Type — Mechanical

3. Capacity, tons/hr — 1 ton/hr per boiler

12. Stack

A. Manufacturer — Pullman Power

B. Dia. of Flues — 5'-6"

C. Flue Material — Acid Resisting Brick

D. Height, ft — 170

13. Soot Removal System

A. Manufacturer — Diamond

B. Type — Superheater & Generating Bank: Mechanical Rapped; Economizer: Type 69B Steam Soot Blowers

* 3 days storage provided for ash and metal

PART C - BALANCE OF PLANT SYSTEMS

1. Turbine-Generator

A.	Manufacturer, Model	GE
B.	Heat Balances	
	MCR steam flow VWO 5% op, 2.0 in HgA exhaust	HB No. 03-49-001
	GL steam flow, normal throttle pressure and temperature, 2 in HgA exhaust	HB No. 03-49-002
	CP steam flow, normal throttle pressure and temperature, 2 in HgA exhaust	HB No. 03-49-003
C.	Nameplate Capacity, Mw	26
D.	Throttle Flow at Nameplate Capacity, lbs/hr	224,000
E.	VWO and Over Pressure Flow, lb/hr	224,000
F.	Throttle Steam Pressure, psig	850
G.	Maximum Throttle Steam Pressure, psig	900
H.	Throttle Steam Temperature, F	825
I.	Turbine Exhaust Pressure at 64F WB ambient, in. Hg abs	2.0
J.	Governing System Type	EHC
K.	Turbine Speed, RPM	3,600

2. Condenser

A.	Manufacturer	Graham or equal
B.	Operating pressure at 64F WB ambient, in. Hg abs	2.0
C.	Design steam flow, lb/hr	179,300
D.	Design cooling water flow, gpm	16,204
E.	Design duty, MBtu/hr	162,000

F.	Design cooling water inlet temperature, F	76
G.	Design cooling water outlet temperature, F	96
H.	Cooling water velocity, ft/s	7.0
I.	Tube material	B-111-443

3. Dump Condenser

A.	Manufacturer	Manning & Lewis
B.	Operating pressure, psia	914.7
C.	Design steam flow, lb/hr	263,600
D.	Design cooling water flow, gpm	11,200
E.	Design duty, MBtu/hr	322,000
F.	Design cooling water inlet temperature, F	76
G.	Design cooling water outlet temperature, F	137
H.	Cooling water velocity, ft/s	7.93
I.	Tube material	CS

4. Boiler Feed Pumps

A.	Manufacturer	IR or equal
B.	Quantity	3
C.	Design capacity, gpm	2 @ 272 gpm; 1 @ 544 gpm
D.	Design total dynamic head, ft	3250
E.	Drive horsepower, hp	2 @ 300 HP; 1 @ 600 HP
F.	NPSHR	Later

5. Condensate Pumps

A.	Manufacturer	Bingham
B.	Quantity	2
C.	Design capacity, gpm	500

D.	Design total dynamic head, ft	455
E.	Motor horsepower, hp	100

6. Circulating Water Pumps

A.	Manufacturer	Goulds
B.	Quantity	3
C.	Design capacity, gpm	9,000
D.	Design total dynamic head, ft	70
E.	Motor horsepower, hp	250

7. Auxiliary Cooling Water Pumps (Bearing Cooling Water Pumps)

A.	Manufacturer	Goulds
B.	Quantity	2
C.	Design capacity, gpm	1,400
D.	Design total dynamic head, ft	80
E.	Motor horsepower, hp	50

8. Miscellaneous Pumps

A.	Service	City Water Booster	Demin. Water	
B.	Manufacturer, Model	3,196	3,196	(Goulds)
C.	Quantity	2	2	
D.	Design capacity, gpm	300	200	
E.	Design total dynamic head, ft	140	330	
F.	Motor horsepower, hp	25	40	

9. Air Compressors

A.	Manufacturer type	Atlas Copco
B.	Quantity	2 @ 1800 SCFM each 1 @ 650 SCFM
C.	Operating/design pressure, psig	100
D.	Air Dryer, Manufacturer, Model	Anderson or equal

E.	Receiver, pressure/capacity	Instr. Air 85 ft^3 125 psig/Process Air 148 ft^3
F.	System air flow requirements, SCFM	Instr. Air 650 Process Air 1,800
G.	Air Compressor design airflow, SCFM	Instr. Air 1 @ 650 Process Air 2 @ 1,800

10. Heat Exchangers

A.	Manufacturer	M & L	-
B.	Service	Blowdown	
C.	Type, Tube Mat'l	Shell & Tube CS	

11. Makeup Water Treatment/Demineralizer

A.	Manufacturer	GLEGG
B.	Type	Strong Acid/Strong Base
C.	Design flow rate, gpm/gpd	2 trains @ 65/train / 93,600/train

12. Deaerating Feedwater Heater and Storage Tank

A.	Manufacturer	Chicago
B.	Tray material (if used)	430 SS
C.	Storage tank capacity, gallons	5,000
D.	Outlet capacity, lbs/hr	250,000
E.	Oxygen content of water, cc/L	0.005
F.	Operating pressure, psig	52

13. Feedwater Heaters

A.	Manufacturer	Bos-Hatten
B.	Quantity	2
C.	Heater terminal temperature difference, F	5
D.	Heater drain cooler approach, F	10
E.	Tube material/type/no. passes	SB-395 / NEU / 2

14. Cooling Tower

A.	Manufacturer	Lilie-Hoffman
B.	Quantity, no. cells each	2
C.	Cooling water flow, gpm	17,500
D.	Design ambient wet bulb temperature, F	64
E.	Design range, F	20
F.	Design approach, F	12
G.	Drift loss, %	0.02
H.	Dimensions of tower, LxWxH, Ft.	96 x 40 x 31.5 (wet section)
I.	Height of Fan deck above grade, Ft.	22.5
J.	Height of Fan stack above deck, Ft.	9
K.	Cell dimensions, LxWxH, Ft.	48 x 40 x 31.5
L.	Diameter of disch stack, Ft.-in.	28'-4"
M.	Total air flow through tower, scfm	1,205,050/cell

		Summer	Winter
N.	Design Factors		
	1. KAV/L wet section	1.614	0.138
	2. KAV/L (equiv.) dry section	0	0.31
	3. L/G	1.137	2.147

O.	Materials of construction	
	Sidewalls	Fire Retardant Fiberglass
	Fill/mist eliminators	PVC

P. Describe method of plume abatement and associated control system.

The cooling tower consists of two independent sections, a wet section and a dry section. Water can be directed through either the wet section, the dry section or a combination of the two. The mixing of the air streams leaving the two sections is the method for plume abatement. The amount of air flowing through each section is controlled by varying the fan speeds. Water flow to each section is set by manual valves.

15. Tanks, Demineralized Water and Condensate Storage

A. Manufacturer	Welk Bros Metal or equal	Welk Bros Metal or equal
B. Service	Demineralized Water	Miscl. Condensate Storage
C. Size, gal	24,000	3,000
D. Material	Lined Steel	CS

16. Tanks, Other

A. Manufacturer	Welk Bros Metal or equal	Welk Bros Metal or equal
B. Service	Wastewater Storage	Demin. Regenerant Neutralization
C. Design pressure, temperature	ATM/110°F	ATM/110°F
D. Size, gallons	200,000	18,000
E. Material	Lined Steel	Lined Steel

17. Vehicle Scales

A. Manufacturer — Fairbanks or equal

B. Quantity — 4

C. Length of each scale, ft — 70

D. Capacity, tons — 60

18. Turbine Room Crane

A. Hoist ratings

Main hoist rating, tons — 15

Auxiliary hoist rating, tons — N/A

B. Maximum hoist lift, ft — 45

C. Controls, type — AC, Stepped

D. CMAA rating — A

19. Miscellaneous Hoists and Cranes

A. Manufacturer — Yale or equal

B. Location — Refuse Pit

C. Type and function — Service Hoist for Crane

D. Capacity, tons — 6

20. Elevator(s)

A. Manufacturer, Model — (future)

B. Location — boiler bldg

C. Type and function — Passenger/Freight

D. Capacities, tons — 2½

21. Fire Protection

A. Subcontractor — Grinnell Co, Viking Automatic or equal

B.	Building/Area	Type/Description
	See Section 2.12.2	for description of Exterior Fire Protection
	See Section 2.12.3	for description of Interior Fire Protection

22. Heating and Ventilation

Building/Area	Capacity, Cfm/MBtu/hr	Description
Boiler (below El.42)	60,000/4MM	Gas Fired Make-Up
Boiler (above El.42)	220,000/ -	Roof Exhaust Only
Turbine	40,000/26MM	Gas Make-Up, Roof Exhaust, Primary and Secondary
Reception Area	97,000/ -	Fan Suctions
Air Pollution Enclosure	100,000/1.8	Gas Make-Up, Exhaust Fans
Administration Building	20 tons A/C	Roof Top Air Cooled

23. Mobile Equipment

Mfr/Model	No./Type	Description/Function

PART D - ELECTRICAL AND INSTRUMENTATION AND CONTROL DATA

1. Generator

A.	Manufacturer, Model	GE or equal, air cooled
B.	Capcity, Mw	26
C.	Power Factor	0.9
D.	Voltage	13,800
E.	Speed, RPM	3,600
F.	Frequency/Short Circuit Radio	60/0.58
G.	Insulation Class	F

H. Overspeed Limitation: 110%

I. No. Terminal Leads: 3

J. Type Fire Protection: CO_2

K. Exciter Type, Voltage Controls,

Describe Brushless Excitation with voltage regulator and con in remote operator's panel

L. Generator Protective Relays (Type, Manufacturer, and Model): Relays as shown on Dwg. No. 10-49-002. Westinghous equal. Type & Model varies device function.

2. Transformers

		5 kV	480 V
A.	Service	4160V MCC	480V MCC
B.	Manufacturer	McGraw Edison or equal	McGraw Edison or
C.	Type, KVA Rating	outdoor 2,500	outdoor 2,500
D.	Voltage, No. Phases	13.8-4.16KV/3	13.8-0.48 K
E.	Taps	H.V. No Load $\pm 2 - 2\frac{1}{2}\%$	± 2 H.V $2\frac{1}{2}\%$ No L
F.	Impedance	5.5%	5.75%
G.	Protective Relays (Type, Manufacturer, Model)	Phase-Westinghouse CO-9 or equal Ground-Westinghouse ITH or equal	

3. Metal-Clad Switchgear

		15 kV	5 kV	480 V
A.	Manufacturer	Westinghouse or equal	Westinghouse or equal	Westinghou or equa
B.	Service	Substation	Motor Starters	480V MC
C.	Voltage	13.8 KV	4.16 KV	480V
D.	Materials of Construction	Cu Bus	Cu Bus	Cu Bus
E.	Description	Vac. Breakers	Vac. Breakers	Fused Power Circuit Brea

4. DC System

A. Battery Charger (Type, Manufacturer, Model) Exide Mod. U5130 or equal
C & D Type DCU or equal

B. Batteries (Type, Manufacturer, Model) Lead Callium

C. Description 125V DC (60 Cells) w/Rack

5. Essential AC System

A. Inverter (Type, Manufacturer, Model) Cyberex Mod. 30 or equal

B. Description 30 KVA UPS (0.8 PF)

6. Power Factor Correction

Description, Type 2100 KVAX, 12.8 KV Bank in outdoor enclosure

7. Lighting

Description of Outdoor and Indoor Systems Flourescent fixtures in offices. Indoor and outdoor lighting will be mercury vapor fixtures.

8. Instrumentation and Controls

A. Control Room Facilities

1. Manufacturer (DCS) Bailey or equal

2. Description. Refer to the attached sheets See Section 2.11.2

B. Panel and Local Instrumentation and Controls Description (manufacturers, types, logic) Included in Section 2.11.2

C. Description (control logic, auto/manual controls, main and remote control stations, primary instrumentation and metering)

See Section 2.11.3

PART E - MISCELLANEOUS INFORMATION

1. Spare Parts and Tools

Itemize the spare parts required and/or recommended for operation of the Facility. Each item must show Quantity, Size, Model, Output, Rating, etc., and other pertinent information necessary for procurement.

Spare parts and tools list developed with the cooperation of suppliers once purchase has been made.

2. Additional Equipment

Furnish an additional list of Plant Equipment not previously included in the Proposal Form. Provide manufacturer, size data and description information. N/A

3. Additional Information

Furnish additional information for items requested where adequate space was not provided in the Proposal Form. Reference these sheets in the Proposal Form. N/A