

ATTACHMENT J6

Rosecrans Memorial Airport (ANG) Electric Distribution System

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J6 Rosecrans Memorial Airport (ANG) Electric Distribution System

J6.1 Rosecrans Memorial Airport (ANG) Overview

Rosecrans Memorial Airport is located in northwestern Missouri, approximately 40 miles north of Kansas City and 4 miles west of Saint Joseph, Missouri. Owned and operated by the City of Saint Joseph, Rosecrans Memorial Airport is home to the 139th Airlift Wing whose mission is to train, equip, and maintain units and individuals to meet worldwide requirements for federal day-to-day and mobilization missions and state emergencies. The base is located on the east side of the airport and consists of a total of 42 buildings: 32 industrial and 10 administrative totaling 309,000 square feet with no transient housing or billeting. The Air National Guard occupies a 101 acre parcel of land; 54 acres owned by the US Government and 47 acres leased from the City of Saint Joseph. Day-to-day activities are managed by 352 full-time personnel. This increases to 997 personnel during the unit training drills conducted one weekend each month.

J6.2 Electric Distribution System Description

J6.2.1 Electric Distribution System Fixed Equipment Inventory

The Rosecrans Memorial Airport (ANG) electric distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, transformers, circuits, utility poles, manholes, and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the electric distribution system privatization are:

- ?? Airfield Lighting
- ?? Parking Lot Lights
- ?? Street Lights
- ?? Ballfield Lights
- ?? Auxiliary generators
- ?? The small arms range is fed directly from a UtiliCorp United owned circuit and is not included in this solicitation.

J6.2.1.1 Description

Electrical power is provided by UtiliCorp United. Power is delivered and distributed at 7.2/12.4 kV. The primary distribution system consists of 3-phase circuits rated at 15 kV in both overhead and underground circuits (Y configuration). The system consists of approximately 3200 linear feet of underground wiring and 4100 linear feet of overhead wiring. The underground circuits are buried at an average depth of 3 to 5 feet and are not marked with tracer wire. Multiple branches feed 16 three-phase pad-mounted transformers that range from 75 to 750 kVA; 11 three-phase pole-mounted transformers that range from 15 to 50 kVA, and 7 single phase pole-mounted transformers that range from 10 to 50 kVA. The system includes three pre-cast concrete manholes, two meters, and 34 utility poles. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J6.2.1.2 Inventory

Table 1 provides a general listing of the major electric distribution system fixed assets for the Rosecrans Memorial Airport (ANG) electric distribution system included in the sale.

TABLE 1
Fixed Inventory
Electric Distribution System Rosecrans Memorial Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
Underground Circuits				
3 phase, 3 wire, in conduit, 15 kV	#2CU	75	LF	1967
3 phase, 3 wire, in conduit, 15 kV	#2CU	166	LF	1980
3 phase, 3 wire, in conduit, 15 kV	#2CU	362	LF	1986
3 phase, 3 wire, in conduit, 15 kV	#2CU	32	LF	1991
3 phase, 3 wire, in conduit, 15 kV	#2CU	67	LF	1992
3 phase, 3 wire, in conduit, 15 kV	#2CU	87	LF	1993
3 phase, 3 wire, in conduit, 15 kV	#2CU	45	LF	1994
3 phase, 3 wire, in conduit, 15 kV	#2CU	2045	LF	1997
3 phase, 3 wire, in conduit, 15 kV	#2AL	166	LF	1974
3 phase, 3 wire, in conduit, 15 kV	#2AL	72	LF	1985
3 phase, 3 wire, 15 kV	#1CU	87	LF	1993
Overhead Circuits				
1 phase, 2 wire, conductor	#6 CU	384	LF	1967
3 phase, 4 wire, conductor	#4 CU	812	LF	1960
3 phase, 4 wire, conductor	#4AL	368	LF	1985
3 phase, 4 wire, conductor	#2AL	686	LF	1985

Item	Size	Quantity	Unit	Approximate Year of Construction
3 phase, 4 wire, conductor	#3AL	1858	LF	1985
3 Phase Transformers	Nom kVA			
Oil filled, pole mounted	15	2	EA	1987
Oil filled, pole mounted	25	1	EA	1968
Oil filled, pole mounted	25	1	EA	1972
Oil filled, pole mounted	25	1	EA	1973
Oil filled, pole mounted	25	1	EA	1981
Oil filled, pole mounted	50	1	EA	1963
Oil filled, pole mounted	50	1	EA	1964
Oil filled, pole mounted	50	2	EA	1972
Oil filled, pole mounted	50	1	EA	1979
Oil filled, pad mounted	75	1	EA	1992
Oil filled, pad mounted	112.5	1	EA	1992
Oil filled, pad mounted	150	1	EA	1967
Oil filled, pad mounted	150	1	EA	1972
Oil filled, pad mounted	150	1	EA	1998
Oil filled, pad mounted	225	1	EA	1973
Oil filled, pad mounted	225	1	EA	1978
Oil filled, pad mounted	225	1	EA	1994
Oil filled, pad mounted	225	1	EA	1997
Oil filled, pad mounted	300	1	EA	1984
Oil filled, pad mounted	500	1	EA	1979
Oil filled, pad mounted	500	1	EA	1987
Oil filled, pad mounted	500	1	EA	1992
Oil filled, pad mounted	500	2	EA	1997
Oil filled, pad mounted	750	1	EA	1992
1 Phase Transformers	Nom kVA			
Oil filled, pole mounted	10	1	EA	1963
Oil filled, pole mounted	15	1	EA	1963
Oil filled, pole mounted	25	1	EA	1981

Item	Size	Quantity	Unit	Approximate Year of Construction
Oil filled, pole mounted	37.5	1	EA	1987
Oil filled, pole mounted	50	3	EA	1985
Utility Poles	Height (Ft)			
Wood	45	1	EA	1975
Wood	45	9	EA	1960
Wood	45	16	EA	1985
Wood	45	2	EA	1990
Wood	45	1	EA	1997
Wood	45	2	EA	1977
Wood	45	1	EA	1963
Wood	45	2	EA	1996
Meters				
Multiplier 80		2	EA	1998
Manholes				
Pre-cast, concrete	6 ft x 6 ft x 6 ft	3	EA	1997
Notes:				
AWG = American Wire Gauge				
EA = each				
LF = linear feet				
Nom kVA = nominal kilovolt -amperes				
KV = kilovolts				
CU = Copper				
AL = Aluminum				
FT = Feet				

J6.2.2 Electric Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts
Electric Distribution System Rosecrans Memorial Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools
Electric Distribution System Rosecrans Memorial Airport (ANG)

Description	Quantity	Location	Maker
None			

J6.2.3 Electric Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records
Electric Distribution System Rosecrans Memorial Airport (ANG)

Qty	Item Description	Remarks
1	Utility Plan – Electrical Distribution	AutoCAD Release Version 2000

J6.3 Specific Service Requirements

The service requirements for the Rosecrans Memorial Airport (ANG) electric distribution system are as defined in the Section C Description/Specifications/Work Statement.

J6.4 Current Service Arrangement

- ?? Provider: UtiliCorp United
- ?? Average Annual Usage: 4,905,000 kWh in 2000
- ?? Maximum Monthly Use: 539,000 kWh - August
- ?? Minimum Monthly Use: 360,000 kWh - October

J6.5 Secondary Metering

J6.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J6.6 below.

TABLE 5

Existing Secondary Meters
Electric Distribution System Rosecrans Memorial Airport (ANG)

Meter Location Facility Number	Meter Description
24	Multiplier 80
52	Multiplier 80

J6.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J6.6 below.

TABLE 6

New Secondary Meters
Electric Distribution System Rosecrans Memorial Airport (ANG)

Meter Location Facility Number	Meter Description
1	3 phase
4	3 phase
16	3 phase
17	3 phase
25	3 phase
30	3 phase
58	3 phase

J6.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter

reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

4. System Efficiency Report. If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J6.7 Energy Saving Projects

IAW Paragraph C.3 Requirement, the following projects have been implemented on the distribution system by the Government for energy conservation purposes. None.

J6.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Rosecrans Memorial Airport (ANG) boundaries.

J6.9 Off-Installation Sites

No off-installation sites are included in the sale of the Rosecrans Memorial Airport (ANG) electric distribution system.

J6.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7
Service Connections and Disconnections
Electric Distribution System Rosecrans Memorial Airport (ANG)

Location	Description
None	

J6.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Rosecrans Memorial Airport (ANG) electric distribution system. If the system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 8
System Deficiencies
Electric Distribution System Rosecrans Memorial Airport (ANG)

Project Location	Project Description
None	