

ATTACHMENT J1

Savannah IAP (ANG) Electric Distribution System

TABLE OF CONTENTS

SAVANNAH IAP (ANG) ELECTRIC DISTRIBUTION SYSTEM..... 1

J1 SAVANNAH IAP (ANG) ELECTRIC DISTRIBUTION SYSTEM 1

 J1.1 SAVANNAH IAP (ANG) OVERVIEW 1

 J1.2 ELECTRIC DISTRIBUTION SYSTEM DESCRIPTION..... 1

 J1.2.1 Electric Distribution System Fixed Equipment Inventory 1

 J1.2.1.1 Description..... 2

 J1.2.1.2 Inventory 2

 J1.2.2 Electric Distribution System Non-Fixed Equipment and Specialized Tools 3

 J1.2.3 Electric Distribution System Manuals, Drawings, and Records 3

 J1.3 SPECIFIC SERVICE REQUIREMENTS..... 4

 J1.4 CURRENT SERVICE ARRANGEMENT 4

 J1.5 SECONDARY METERING..... 4

 J1.5.1 Existing Secondary Meters 4

 J1.5.2 Required New Secondary Meters 4

 J1.6 MONTHLY SUBMITTALS..... 5

 J1.7 ENERGY SAVING PROJECTS..... 5

 J1.8 SERVICE AREA..... 5

 J1.9 OFF-INSTALLATION SITES 5

 J1.10 SPECIFIC TRANSITION REQUIREMENTS..... 6

 J1.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES 6

List of Tables

Fixed Inventory 2

Spare Parts 3

Specialized Vehicles and Tools 3

Manuals, Drawings, and Records..... 3

Existing Secondary Meters..... 4

New Secondary Meters..... 4

Service Connections and Disconnections 6

System Deficiencies..... 6

J1 Savannah IAP (ANG) Electric Distribution System

J1.1 Savannah IAP (ANG) Overview

The Savannah IAP (ANG) installation occupies 239 acres of leased land in the southeast and northeast quadrants of the Savannah IAP in Chatham County Georgia, approximately seven miles northwest of the city of Savannah. It is home to two organizations, the 165th Airlift Wing (AW) and the Combat Readiness Training Center (CRTC). The mission of the 165th AW is to provide tactical and strategic air transport for airborne forces, equipment, and supplies. The unit currently flies C-130H aircraft. The mission of the CRTC is to provide combat aircrew training for Air Combat Maneuvering Instrumentation. Savannah IAP (ANG) has 145 buildings totaling approximately 672,000 square feet. These include 27 transient housing, 23 services, 70 industrial, and 25 administrative facilities. The completion of two new buildings now under construction (Building 1930, Supply administrative/warehouse facility and Building 1400, Aerospace Ground Equipment and Nondestructive Inspection facility) will add 63,800 square feet by the end of FY 2001. These new buildings will replace existing facilities and will not require any increase in base personnel. Current base population is 310 personnel. This number surges to 1000 personnel during ANG drill weekends that occur once each month.

J1.2 Electric Distribution System Description

J1.2.1 Electric Distribution System Fixed Equipment Inventory

The Savannah IAP (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, ductbanks, manholes, and vaults. 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.

J1.2.1.1 Description

Savannah IAP (ANG) is a uniquely configured base consisting of 18 tracts of ANG leased land. Each tract is fenced or physically separated from the others by roads, airfield pavements, or commercial/industrial areas. While the majority of the on-base electrical distribution system is already privatized (through Savannah Electrical Power Company – SEPCO), lines supporting the Fire Station and each of two Barrier Arresting Cables and some of the lines within the two tracts located on the northeast side of the airport adjacent to Robert B. Miller, Jr. Road are not. On these tracts (on the northeast side of the airport), Savannah IAP (ANG) ownership begins at the output side (base side) of the three disconnect switches located on a power pole 170 feet southeast of Building 1925 and 90 feet west of Robert B. Miller, Jr. Road. The system is a grounded WYE and consists of approximately 16,500 linear feet of underground wiring; 9,450 linear feet in duct banks (with warning tape) and 7,025 linear feet of direct-bury cable (also with warning tape). The average depth of the electrical lines is 3 feet with a 2-foot minimum and a 5-foot maximum. Incoming voltage is 13.2 kV. The system also consists of seven pad mounted transformers ranging from 25 to 500 kVA, 11 manholes and two electric vaults. Base personnel indicate the system capacity is adequate to meet current and future demands.

J1.2.1.2 Inventory

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

TABLE 1
Fixed Inventory
Electric Distribution System Savannah IAP (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
Underground Circuits	AWG			
- 3 ph, 4w 15000V, in conduit	#4/0	9450	LF	1983
- Direct Bury Cable	#8	7025	LF	1980
Ductbanks – 6, 4-inch PVC schedule 40 ducts in concrete (2 of the 6 are spares)		9450	LF	1983
3-Phase Transformers	Nom kVA			
- Oil Filled, Pad Mounted	300	1	EA	1999
- Oil Filled, Pad Mounted	300	1	EA	1998
- Oil Filled, Pad Mounted	300	1	EA	1983
- Oil Filled, Pad Mounted	500	1	EA	1984
1-Phase Transformers	Nom kVA			
- Oil Filled, Pad Mounted	25	1	EA	1985
- Oil Filled, Pad Mounted	37.5	2	EA	1980
Manholes (8’X10’ precast concrete) 7 feet deep		11	EA	1998

Item	Size	Quantity	Unit	Approximate Year of Construction
Concrete Vaults (3' deep X 4' wide X 4' long)		2	EA	1980
Notes:				
AWG = American Wire Gauge				
EA = each				
LF = linear feet				
Nom kVA = nominal kilovolt -amperes				
Ph = Phase				
PVC = Polyvinyl Chloride				
V = volts				
w = wire				

J1.2.2 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 Savannah IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Electric Distribution System Savannah IAP (ANG)

Description	Quantity	Location	Maker
None			

J1.2.3 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 Savannah IAP (ANG)

Quantity	Description	Remarks
1	Electrical Utility System Maps (Electronic Copy)	AutoCAD Release Version 2000

J1.3 Specific Service Requirements

The service requirements for the Savannah IAP (ANG) electric distribution system are as defined in the Section C Description/Specifications/Work Statement. The following requirements are specific to the Savannah IAP (ANG) electric distribution system and are in addition to those found in Section C. If there is a conflict between requirements described below and Section C, the requirements listed below take precedence over those found in Section C.

?? Although the duct banks are being turned over to the successful offeror, those ducts not currently used for electrical lines will be reserved for the exclusive use of the government. Additional ducts may be made available to the successful offeror at the discretion of the Contracting Officer.

J1.4 Current Service Arrangement

?? Provider Name: Savannah Electric Power Company (SEPCO)

?? Average Annual Use: 2,809,000 kWh (FY 2000)

?? Maximum Monthly Use: 340,000 kWh (Aug 2000)

?? Minimum Monthly Use: 176,000 kWh (Mar 2000)

?? Highest Peak Demand: 288 kW (Aug 2000)

?? Average Monthly Peak Demand: 252 kW (FY 2000)

J1.5 Secondary Metering

J1.5.1 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 J1.6 below.

TABLE 5
Existing Secondary Meters
Electric Distribution System Savannah IAP (ANG)

Meter Location	Meter Description
None	

J1.5.2 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 J1.6 below.

TABLE 6
New Secondary Meters

Meter Location	Meter Description
None	

J1.6 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 (if any). 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.

J1.7 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.

J1.8 Service Area

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

J1.9 Off-Installation Sites

No off-installation sites are included in the sale of the Savannah IAP (ANG) electric distribution system.

J1.10 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 Savannah IAP (ANG)

Location	Description
None	

J1.11 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 Savannah IAP (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 Savannah IAP (ANG)

Project Location	Project Description
None	