

# HANCOCK FIELD ANGB Natural Gas Distribution System

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# J4 HANCOCK FIELD ANGB Natural Gas Distribution System

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## J4.1 HANCOCK FIELD ANGB Overview

The 174<sup>th</sup> Fighter Wing, Hancock Field (ANGB) is located at the Syracuse-Hancock International Airport in Central New York State. It is approximately 5 miles north of the city of Syracuse in Onondaga County. The New York Air National Guard facilities at Hancock Field comprise a total of 356 acres of Fee-Owned land that was acquired from the city of Syracuse, NY in 1947. The 174<sup>th</sup> Fighter Wing population is currently authorized at 340 full time and increases to 1,178 total personnel on drill duty weekends that occur once per month. The base currently has approximately 52 facilities: 5 administrative, 6 services, and 41 industrial facilities, amounting to approximately 492,000 square feet. The base has no Military Family Housing or Unaccompanied/Transient Housing. A project is scheduled for award in September 2000 to construct a new Air Control Group Facility, Air Operations Squadron Facility, and an Aircraft Support Equipment and Storage Facility (net increase is 25,700SF). The project also includes infrastructure improvements as follows: install additional waterlines; replace fire hydrants; install new ductbanks; and place a portion of the overhead electrical distribution system underground. The 174<sup>th</sup> Fighter Wing is equipped with F-16 aircraft. Other tenants on the base include the Civil Air Patrol and Columbia College.

## J4.2 Natural Gas Distribution System Description

### J4.2.1 Natural Gas Distribution System Fixed Equipment Inventory

The HANCOCK FIELD ANGB natural gas 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, pipelines, valves, regulators, 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.

#### J4.2.1.1 Description

Natural gas is supplied to Hancock Field ANGB through three main lines. Supply service enters the base at 3 locations and is master metered at 2 locations. The east side of the base (the majority of the base) is supplied from the south through a 6-inch steel gas line at 18 pounds per square inch gauge (psig). Two additional 2-inch lines serve the west side of the base at 18 psig. System contains a mixture of polyethylene pipe (PE)(approximately 4,200 LF), and steel pipe(approximately 4,600 LF). There are 13 steel pipe valves and 15 PE ball valves. Pipe sizes range from ¾ to 8 inches with age

ranges between 1950 to 1997. Sacrificial anodes are utilized on the steel piping sections of the system. The system is protected by a cathodic protection system with approximately 25 sacrificial anodes.

#### J4.2.1.2 Inventory

**Table 1** provides a general listing of the major natural gas distribution system fixed assets for the HANCOCK FIELD ANGB natural gas distribution system included in the sale.

**TABLE 1**  
Fixed Inventory  
Natural Gas Distribution System Hancock Field (ANGB)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<b>PE Gas Pipe</b>				
	4	1100	LF	1981
	3	640	LF	1981
	3	1160	LF	1997
	2	650	LF	1981
	1	550	LF	1981
	¾	100	LF	1981
<b>Steel Gas Pipe</b>				
	8	200	LF	1950
	6	500	LF	1950
	4	2500	LF	1950
	2	1350	LF	1950
	1	100	LF	1950
<b>Steel Plug Valves</b>				
	6	1	EA	1950
	4	9	EA	1996
	2	2	EA	1950
	1	1	EA	1950
<b>PE Ball Valves</b>				
	4	3	EA	1981
	3	4	EA	1981
	2	6	EA	1981
	1	2	EA	1981

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<b>Regulators</b>				
	2	8	EA	1950
	2	12	EA	1981
	2	4	EA	1985
	2	5	EA	1997
<b>Gas Meters</b>				
	Small (2"to 4")	2	EA	1960
	Small (2"to 4")	1	EA	1981
	Small (2"to 4")	3	EA	1985
	Small (2"to 4")	1	EA	1986
	Small (2"to 4")	2	EA	1988
	Small (2"to 4")	1	EA	1993
	Small (2"to 4")	3	EA	1997
	Small (2"to 4")	1	EA	1998
<b>Cathodic Protection Systems</b>				
<b>Sacrificial Anodes</b>		25	EA	1981

Notes:  
 PE = Polyethylene  
 LF = Linear Feet  
 EA = Each  
 in = Inches  
 PSIG = Pounds per Square Inch Gauge

### J4.2.2 Natural Gas 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  
 Natural Gas Distribution System Hancock Field (ANGB)

Qty	Item	Make/Model	Description	Remarks
None				

**TABLE 3**

Specialized Vehicles and Tools  
Natural Gas Distribution System Hancock Field (ANGB)

Description	Quantity	Location	Maker
None			

### J4.2.3 Natural Gas 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  
Natural Gas Distribution System Hancock Field (ANGB)

Qty	Item	Description	Remarks
1	Map	Natural Gas Utility Map Electronic Copy	AutoCAD Rel. Version 2000

## J4.3 Specific Service Requirements

The service requirements for the Hancock Field (ANGB) natural gas distribution system are as defined in the Section C Description/Specifications/Work Statement.

## J4.4 Current Service Arrangement

The current service provider is Niagara Mohawk Power Corporation. The base used 29,975 Thousand Cubic Feet (Mcf) of natural gas in 1999 with an average monthly usage of 2,498 Mcf and a peak usage of 6,195 Mcf in the month of January of 1999.

## J4.5 Secondary Metering

### J4.5.1 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 J4.6 below.

**TABLE 5**  
Existing Secondary Meters  
Natural Gas Distribution System Hancock Field (ANGB)

Meter Location	Meter Description
Bldg.# 618	Small 2"
Bldg.# 627	Small 2"
Bldg. # 610	Small 4"
Bldg. # 648	Small 2"
Bldg.# 646	Small 3"
Bldg.# 174	Small 3"
Bldg.# 655	Small 3"
Bldg.# 614 (2 meters at this building)	Small 2"
Bldg# 647	Small 4"
Bldg.# 645	Small 2"
Bldg.# 643	Small 2"
Bldg.# 649	Small 2"
Bldg.# 787	Small 2"

#### J4.5.2 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 J4.6 below.

**TABLE 6**  
New Secondary Meters  
Natural Gas Distribution System Hancock Field (ANGB)

Meter Location	Meter Description
None	

#### J4.6 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 25<sup>th</sup> 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 25<sup>th</sup> 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 15<sup>th</sup> 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 25<sup>th</sup> of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

## J4.7 Energy Saving Projects

IAW Paragraph C.3 Requirement, the following projects have been implemented by the Government for conservation purposes.

None

## J4.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the HANCOCK FIELD ANGB boundaries.

## J4.9 Off-Installation Sites

No off-installation sites are included in the sale of the Hancock Field (ANGB) natural gas distribution system.

## J4.10 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  
Natural Gas Distribution System Hancock Field (ANGB)

Location	Description
None	

## J4.11 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 HANCOCK FIELD ANGB natural gas distribution system. If the utility 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 through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

**TABLE 8**

System Deficiencies

Natural Gas Distribution System Hancock Field (ANGB)

Project Location	Project Description
None	