

# Fort Smith Municipal Airport (ANG) Natural Gas Distribution System

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# **J2 Fort Smith Municipal Airport (ANG) Natural Gas Distribution System**

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## **J2.1 Fort Smith Municipal Airport (ANG) Overview**

The 188<sup>th</sup> Fighter Wing (FW) of the Arkansas Air National Guard occupies 110 acres of leased land on the Fort Smith Municipal Airport, located approximately 2 miles southeast of Fort Smith, Arkansas. The mission of the 188<sup>th</sup> FW is to execute directed fighter missions designed to destroy enemy forces, supplies, equipment, communications systems, and installations with all types of tactical weapons. The unit currently flies the F-16 Falcon. The 188<sup>th</sup> FW occupies 3 administrative, 46 industrial, and 3 services buildings totaling approximately 332,102 square feet with 320 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to 1,000 personnel.

## **J2.2 Natural Gas Distribution System Description**

### **J2.2.1 Natural Gas Distribution System Fixed Equipment Inventory**

The Fort Smith Municipal Airport (ANG) 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, and regulators. 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 water distribution system privatization are:

?? Arkansas Oklahoma Gas (AOG) owns approximately 1500 feet of gas line from where it enters the base up to and including the master meter located on Dike Rd.

#### **J2.2.1.1 Description**

Natural gas service at Fort Smith Municipal Airport (ANG) is provided by Arkansas Oklahoma Gas (AOG). The system is a dead end configuration with regulators located at each building. There are three meters in the system, all owned by AOG. The distribution system contains approximately 4,400 linear feet of 1.25 to 2 inch diameter PE pipe (1,600 linear feet of it was inserted in 1999 into black iron pipe ranging in size from 3 to 4 inches in diameter). There is also approximately 3,900 linear feet of black iron pipe ranging in size from ¾ to 4 inches in diameter. All pipes are buried at an average depth of 3 feet and are marked with tracer wire. Gas is delivered at 30 psig and distributed at 10 psig and the system includes 37 regulators. There are no known master shut-off valves on the

main lines. Regulators and meters are equipped with gas cocks. Base personnel indicate the system capacity is adequate to meet current and projected demands.

### J2.2.1.2 Inventory

**Table 1** provides a general listing of the major natural gas distribution system fixed assets for the Fort Smith Municipal Airport (ANG) natural gas distribution system included in the sale.

**TABLE 1**  
Fixed Inventory  
Natural Gas Distribution System Fort Smith Municipal Airport (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<b>PE Pipe</b>				
	0.75	390	LF	1995
	1.5	275	LF	1983
	1.5	140	LF	1999
	2	1055	LF	1993
	3	283	LF	1997
	4	206	LF	1995
	4	460	LF	1997
<b>PE pipe sleeved in 2 inch black iron pipe</b>				
	1.25	263	LF	1999
<b>PE pipe sleeved in 3 inch black iron pipe</b>				
	2	703	LF	1999
<b>PE pipe sleeved in 4 inch black iron pipe</b>				
	2	557	LF	1999
	2	114	LF	1999
<b>Black Iron Pipe</b>				
	0.75	62	LF	1975
	1	97	LF	1972
	1.25	92	LF	1978
	1.25	191	LF	1983
	1.5	311	LF	1955
	1.5	245	LF	1961
	1.5	650	LF	1972
	2	330	LF	1964
	2	180	LF	1978

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
	2	160	LF	1982
	2	145	LF	1955
	2	236	LF	1980
	3	703	LF	1955
	4	313	LF	1955
	4	216	LF	1978
<b>Small Regulators (3/4 inch inlet)</b>	Inlet size (inch)			
	¾	1	EA	1975
	¾	1	EA	1997
<b>Medium Regulators (1 inch inlet)</b>	Inlet size (inch)			
	1	2	EA	1971
	1	3	EA	1995
	1	2	EA	1984
	1	1	EA	1976
	1	1	EA	1979
	1	2	EA	1982
	1	1	EA	1989
	1	1	EA	1983
	1	2	EA	1964
	1	1	EA	1986
	1	1	EA	1988
	1	1	EA	1996
	1	1	EA	1978
	1	2	EA	1997
	1	1	EA	1999
	1	2	EA	1993
<b>Large Regulators</b>	Inlet size (inch)			
	1.25	1	EA	1971
	1.25	2	EA	1960
	1.25	1	EA	1996
	1.25	1	EA	1955
	1.25	1	EA	1979

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
	1.25	1	EA	1978
	1.25	1	EA	1974
	1.25	1	EA	1997
	1.25	2	EA	1993
Notes:				
PE = Polyethylene				
LF = Linear Feet				
EA = Each				
IN = Inches				

### J2.2.2 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 Fort Smith Municipal Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

**TABLE 3**

Specialized Vehicles and Tools

Natural Gas Distribution System Fort Smith Municipal Airport (ANG)

Description	Quantity	Location	Maker
None			

### J2.2.3 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 Fort Smith Municipal Airport (ANG)

Qty	Item	Description	Remarks
1	Natural Gas Utility System Maps (electronic copy)	AutoCAD Release Version 14	

## J2.3 Specific Service Requirements

The service requirements for the Fort Smith Municipal Airport (ANG) natural gas distribution system are as defined in the Section C Description/Specifications/Work Statement.

## J2.4 Current Service Arrangement

?? Provider Name: Arkansas Oklahoma Gas Corporation (AOG)

?? Average Annual Usage (2000): 10,380 MCF

?? Maximum Monthly Use: 2,340 MCF - January

?? Minimum Monthly Use: 69 MCF - August

## J2.5 Secondary Metering

### J2.5.1 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 J2.6 below.

**TABLE 5**

Existing Secondary Meters

Natural Gas Distribution System Fort Smith Municipal Airport (ANG)

Meter Location	Meter Description
None	

### J2.5.2 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 J2.6 below.

**TABLE 6**

New Secondary Meters

Natural Gas Distribution System Fort Smith Municipal Airport (ANG)

Meter Location	Meter Description
None	

## J2.6 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.

## J2.7 Energy Saving Projects

IAW Paragraph C.3 Requirement, the following projects have been implemented by the Government for conservation purposes: None.

## J2.8 Service Area

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

## J2.9 Off-Installation Sites

No off-installation sites are included in the sale of the Fort Smith Municipal Airport (ANG) natural gas distribution system.

## J2.10 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 Fort Smith Municipal Airport (ANG)

Location	Description
None	

## J2.11 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 Fort Smith Municipal Airport (ANG) 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 Fort Smith Municipal Airport (ANG)

Project Location	Project Description
None	