

ATTACHMENT J10

Great Falls IAP (ANG) Natural Gas Distribution System

Table of Contents

GREAT FALLS IAP (ANG) NATURAL GAS DISTRIBUTION SYSTEM	I
J10 GREAT FALLS IAP (ANG) NATURAL GAS DISTRIBUTION SYSTEM.....	2
J10.1 GREAT FALLS IAP (ANG) OVERVIEW.....	2
J10.2 NATURAL GAS DISTRIBUTION SYSTEM DESCRIPTION.....	2
J10.2.1 Natural Gas Distribution System Fixed Equipment Inventory	2
J10.2.1.1 Description.....	2
J10.2.1.2 Inventory	2
J10.2.2 Natural Gas Distribution System Non-Fixed Equipment and Specialized Tools	5
J10.2.3 Natural Gas Distribution System Manuals, Drawings, and Records	5
J10.3 SPECIFIC SERVICE REQUIREMENTS.....	5
J10.4 CURRENT SERVICE ARRANGEMENT.....	6
J10.5 SECONDARY METERING.....	6
J10.5.1 Existing Secondary Meters	6
J10.5.2 Required New Secondary Meters	6
J10.6 MONTHLY SUBMITTALS.....	7
J10.7 ENERGY SAVING PROJECTS.....	7
J10.8 SERVICE AREA	7
J10.9 OFF-INSTALLATION SITES.....	7
J10.10 SPECIFIC TRANSITION REQUIREMENTS.....	7
J10.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES.....	8

List of Tables

Fixed Inventory	2
Spare Parts	5
Specialized Vehicles and Tools	5
Manuals, Drawings, and Records.....	5
Existing Secondary Meters.....	6
New Secondary Meters.....	6
Service Connections and Disconnections	7
System Deficiencies.....	8

J10 Great Falls IAP (ANG) Natural Gas Distribution System

J10.1 Great Falls IAP (ANG) Overview

The 120th Fighter Wing (FW) of the Montana Air National Guard occupies 141 acres of leased land on the Great Falls International Airport (IAP), located approximately 3 miles southwest of downtown Great Falls, Montana. The 120th FW flies a general-purpose mission, including air defense, utilizing the F-16 Falcon. The 120th FW occupies three administrative, one services, and 43 industrial buildings totaling approximately 392,372 square feet with 350 full-time personnel. A unit training drill is conducted twice a month and results in a surge of up to a total of 943 personnel.

J10.2 Natural Gas Distribution System Description

J10.2.1 Natural Gas Distribution System Fixed Equipment Inventory

The Great Falls IAP (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, 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.

J10.2.1.1 Description

Energy West provides natural gas service. It enters the base and is master metered at one point. The configuration is a branched system with gas delivered at 15 psig. The distribution system contains approximately 6,100 linear feet of PE pipe and 3,600 linear feet of steel pipe ranging from 0.75 to 6 inches in diameter. Pipes are buried at an average depth of three feet and are marked with tracer wire. The system contains 21 steel plug valves, 7 meters and 26 regulators. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J10.2.1.2 Inventory

Table 1 provides a general listing of the major natural gas distribution system fixed assets for the Great Falls IAP (ANG) natural gas distribution system included in the sale.

TABLE 1
Fixed Inventory
Natural Gas Distribution System Great Falls IAP (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PE Pipe	(in)			
	1.25	400	LF	1961
	1.25	1225	LF	1996
	1.25	570	LF	1999
	1.25	1225	LF	1988
	1.25	135	LF	1964
	2	435	LF	1997
	3	395	LF	1977
	6	1740	LF	1998
Steel Pipe	(in)			
	0.75	30	LF	1994
	1	110	LF	1957
	1	130	LF	1966
	1.25	435	LF	1975
	1.25	200	LF	1966
	2	490	LF	1978
	2	200	LF	1966
	2	330	LF	1959
	2	410	LF	1955
	2	445	LF	1975
	2	85	LF	1961
	3	655	LF	1976
	4	80	LF	1994
Steel Plug Valves	(in)			
	1	1	EA	1998
	1.25	1	EA	1961
	1.25	1	EA	1999
	1.25	2	EA	1988
	1.25	2	EA	1996
	1.25	1	EA	1964
	1.25	2	EA	1998
	2	1	EA	1984

Item	Size	Quantity	Unit	Approximate Year of Construction
	2	6	EA	1998
	2.5	1	EA	1968
	3	1	EA	1977
	3	1	EA	1998
	4	1	EA	1994
Regulators	Orifice size (in)			
	$\frac{3}{4}$	1	EA	1987
	$\frac{3}{4}$	1	EA	1996
	1	1	EA	1961
	1	1	EA	1966
	1	2	EA	1964
	1	1	EA	1987
	1	1	EA	1997
	1	1	EA	1996
	1.25	3	EA	1969
	1.25	1	EA	1975
	1.25	1	EA	1994
	1.25	1	EA	1965
	1.25	2	EA	1975
	1.25	1	EA	1996
	1.5	1	EA	1977
	2	2	EA	1955
	2	1	EA	1984
	2	1	EA	1968
	2	1	EA	1959
	2	1	EA	1976
	2	1	EA	1978
Meters (see section J10.5 for more details)				
		1	EA	1955
		2	EA	1987
		2	EA	1996
		1	EA	1984

Item	Size	Quantity	Unit	Approximate Year of Construction
		1	EA	1997
Notes:				
PE = Polyethylene				
LF = Linear Feet				
EA = Each				
IN = Inches				

J10.2.2 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 Great Falls IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Natural Gas Distribution System Great Falls IAP (ANG)

Description	Quantity	Location	Maker
None			

J10.2.3 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 Great Falls IAP (ANG)

Qty	Description	Remarks
1	MANG Base Master Plan: Natural Gas Utility System Maps (electronic copy)	AutoCAD Release Version 2000

J10.3 Specific Service Requirements

The service requirements for the Great Falls IAP (ANG) natural gas distribution system are as defined in the Section C Description/Specifications/Work Statement.

J10.4 Current Service Arrangement

?? **Current Provider:** Energy West

?? **Average Annual Usage (2000):** 28,215 Mcf

?? **Maximum Monthly Use:** 4,906 Mcf (December)

?? **Minimum Monthly Use:** 68 Mcf (August)

J10.5 Secondary Metering

J10.5.1 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 J10.6 below.

TABLE 5

Existing Secondary Meters

Natural Gas Distribution System Great Falls IAP (ANG)

Meter Location (Building #)	Meter Description
25	Rockwell, Model T-18, CFH range unknown, 4-inch, 1955
38	American, Model AL-1400, CFH range unknown , 3-inch, 1984
49	Rockwell, CFH range unknown , 4-inch, 1987
60	American, Model AL-1400, CFH range unknown, 1.5-inch, 1987
61	Rockwell, CFH range unknown, 4-inch, 1996
63	American, Model AL-1400, CFH range unknown, 1.5-inch, 1997
73	American, Model AL-1400, CFH range unknown, 1.25-inch, 1996

J10.5.2 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 J10.6 below.

TABLE 6

New Secondary Meters

Natural Gas Distribution System Great Falls IAP (ANG)

Meter Location	Meter Description
None	

J10.6 Monthly Submittals

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

1. Invoice (IAW Paragraph 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.

J10.7 Energy Saving Projects

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

J10.8 Service Area

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

J10.9 Off-Installation Sites

No off-installation sites are included in the sale of the Great Falls IAP (ANG) natural gas distribution system.

J10.10 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 Great Falls IAP (ANG)

Location	Description
None	

J10.11 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 Great Falls IAP (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 Great Falls IAP (ANG)

Project Location	Project Description
None	