

ATTACHMENT J10

SHEPHERD AGS (ANG) Water Distribution System

Table of Contents

SHEPHERD AGS (ANG) WATER DISTRIBUTION SYSTEM I

J10 SHEPHERD AGS (ANG) WATER DISTRIBUTION SYSTEM 1

J10.1 SHEPHERD AGS (ANG) OVERVIEW 1

J10.2 WATER DISTRIBUTION SYSTEM DESCRIPTION..... 2

J10.2.1 Water Distribution System Fixed Equipment Inventory..... 2

 J10.2.1.1 Description..... 2

 J10.2.1.2 Inventory..... 2

J10.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools..... 3

J10.2.3 Water Distribution System Manuals, Drawings, and Records..... 4

J10.3 SPECIFIC SERVICE REQUIREMENTS..... 4

J10.4 CURRENT SERVICE ARRANGEMENT 4

J10.5 SECONDARY METERING..... 4

J10.5.1 Existing Secondary Meters..... 4

J10.5.2 Required New Secondary Meters 5

J10.6 MONTHLY SUBMITTALS 5

J10.7 WATER CONSERVATION PROJECTS 5

J10.8 SERVICE AREA 5

J10.9 OFF-INSTALLATION SITES 5

J10.10 SPECIFIC TRANSITION REQUIREMENTS 6

J10.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES 6

List of Tables

Fixed Inventory..... 2

Spare Parts 4

Specialized Vehicles and Tools 4

Manuals, Drawings, and Records..... 4

Existing Secondary Meters 4

New Secondary Meters 5

Service Connections and Disconnections..... 6

System Deficiencies..... 6

J10 SHEPHERD AGS (ANG) Water Distribution System

J10.1 SHEPHERD AGS (ANG) Overview

Shepherd AGS (ANG) is located at the Eastern West Virginia Regional Airport, 4 miles south of Martinsburg, WV. The installation consists of approximately 205 acres and 34 buildings totaling 347,441 square feet. During peak surges, the installation population is approximately 1500 personnel.

The 167th Airlift Wing initially constituted as the 369th Fighter Squadron on 20 December 1942 and formally activated on 15 January 1943 and assigned to the 359th Fighter Group from 15 January 1943 to 10 November 1945. Assignments included: Westover Field, Massachusetts on 15 January 1943, Grenier Field, New Hampshire on 6 April 1943, Republic Field, New York on 26 May 1943, Westover Field, MA on 24 August 1943 until 2 October 1943, East Wretham, England on 18 October 1943 until 4 November 1945 and Camp Kilmer, New Jersey on 9-10 November 1945. The aircraft flown during World War II was the P-47 Thunderbolt (1943-1944) and the P-51 Mustang (1944-1945). The 369th took part in the Air Offensive, Europe; Normandy, Northern France, Rhineland; Ardennes-Alsace; Central Europe Air Combat, EAME Theater. The squadron deactivated on 10 November 1945, redesignated the 167th Fighter Squadron and allotted to the Air National Guard (ANG) on 24 May 1946.

The Air National Guard designated the State of West Virginia as the resident state for the fighter squadron. On 24 May 1946, Charleston's Kanawha Airport became the home base for the renamed 167th Fighter Squadron. Early aircraft included the T-6 Trainer, the P-47 Thunderbolt and the P-51 Mustang. The name, mission, size and even the site changed over the next 40 years, but the numbers "167" have remained constant with the West Virginia Air National Guard.

In 1995, the unit began conversion training for the C-130H-3 in the first quarter and transferred most of the "E" models to Peoria, Illinois. The Civil Engineers deployed to Panama and the Medical Squadron deployed to Honduras. Most of the sections took part in a deployment to Alpena, Michigan in September where chemical exercises and other special training took place. The unit celebrated its 40th anniversary on 10 June 1995.

The 167th Airlift Group was redesignated the 167th Airlift Wing on 1 October 1995 and currently uses C-130H-3 aircraft to perform its airlift mission.

J10.2 Water Distribution System Description

J10.2.1 Water Distribution System Fixed Equipment Inventory

The SHEPHERD AGS (ANG) water 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, fire hydrants, storage facilities, exterior backflow devices, pumps, 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 water distribution system privatization are:

1. High pressure fire suppression water distribution system main.
2. All high-pressure fire hydrants, connecting service lines, and suppression equipment.

J10.2.1.1 Description

The water system at Eastern WV Regional Airport-Shepherd Field ANG is comprised of a partially looped water system including approximately 9,600 linear feet of water pipe ranging from 2-6 inches in diameter for domestic water. The system piping is PVC and ductile iron pipe buried approximately 4 feet underground. There are 56 valves, 19 fire hydrants, two post indicator valves, and 3 water hydrants. Piping and valves are considered to be in good condition with ages ranging from 1954 to present. System includes a pump house and one concrete water tank that were installed in 1958 and one concrete water tank that was installed in 1987. Tanks are 8 feet high and have a diameter of 37 feet. The tank capacities are 60,000 gallons. The pump house is 484 sq. ft and contains one 120 psi diesel driven pump with a flow rate of 1,500 gpm.

J10.2.1.2 Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for the SHEPHERD AGS (ANG) water distribution system included in the sale.

TABLE 1
Fixed Inventory
Water Distribution System SHEPHERD AGS (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PVC Pipe	2.00	1010	LF	1995
	2.00	470	LF	1979

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
	2.00	700	LF	1976
	2.50	320	LF	1994
	2.50	260	LF	1992
	2.50	885	LF	1987
	2.50	180	LF	1976
	3.00	480	LF	1994
	3.00	235	LF	1985
	4.00	520	LF	1987
	6.00	280	LF	1992
	6.00	225	LF	1991
	6.00	1380	LF	1987
Ductile Iron Pipe	4.00	810	LF	1972
	4.00	175	LF	1959
	6.00	515	LF	1971
	6.00	250	LF	1970
	6.00	890	LF	1958
Valves		56	EA	
Fire Hydrants		19	EA	
Post Indicator Valves	6.00	2	EA	1954
Ground Level Concrete Storage Tank (60,000 gal)		1	EA	1958
		1	EA	1987
Pump House for Storage Tanks	484 SF	1	EA	1987
1500 GPM Diesel Pump – 120 psi		1	EA	1987
Wells		1	EA	1993
Water Hydrants		3	EA	

Notes:

PVC = Polyvinyl chloride

EA = Each

GAL= Gallon

HP = Horsepower

LF = Linear Feet

J10.2.2 Water 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
Water System SHEPHERD AGS (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools
Water Distribution System SHEPHERD AGS (ANG)

Description	Quantity	Location	Maker
None			

J10.2.3 Water 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
Water Distribution System SHEPHERD AGS (ANG)

Qty	Item	Description	Remarks
1	Maps	Distribution System	AUTOCAD Format Release 14

J10.3 Specific Service Requirements

The service requirements for the SHEPHERD AGS (ANG) water distribution system are as defined in the Section C, *Description/Specifications/Work Statement*.

J10.4 Current Service Arrangement

The Shepherd AGS (ANG) water distribution system is currently maintained by ANG personnel. Water is provided by Berkeley County Public Service District.

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
Water Distribution System SHEPHERD AGS (ANG)

Meter Location	Meter Description (Type)
None	

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
Water Distribution System SHEPHERD AGS (ANG)

Meter Location	Meter Description
None	

J10.6 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 identified 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.

J10.7 Water Conservation Projects

IAW Paragraph C.3, Utility Service 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 SHEPHERD AGS (ANG) boundaries.

J10.9 Off-Installation Sites

Firing Range: Approximately four miles from the main base. Fed by the only well located on the installation.

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
Water Distribution System SHEPHERD AGS (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 SHEPHERD AGS (ANG) water 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 Renewal and Replacement Plan process and will be recovered Schedule L-3. Renewal and Replacement projects will be recovered through Sub-CLIN AC.

TABLE 8
 System Deficiencies
Water Distribution System SHEPHERD AGS (ANG)

Project Location	Project Description
None	