

BURLINGTON IAP (ANG) Water Distribution System

Table of Contents

BURLINGTON IAP (ANG) WATER DISTRIBUTION SYSTEM	I
J11 BURLINGTON IAP (ANG) WATER DISTRIBUTION SYSTEM	1
J11.1 BURLINGTON IAP (ANG) OVERVIEW	1
J11.2 WATER DISTRIBUTION SYSTEM DESCRIPTION.....	1
J11.2.1 Water Distribution System Fixed Equipment Inventory	1
J11.2.1.1 Description.....	1
J11.2.1.2 Inventory	2
J11.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools	4
J11.2.3 Water Distribution System Manuals, Drawings, and Records.....	4
J11.3 SPECIFIC SERVICE REQUIREMENTS.....	5
J11.4 CURRENT SERVICE ARRANGEMENT.....	5
J11.5 SECONDARY METERING.....	5
J11.5.1 Existing Secondary Meters	5
J11.5.2 Required New Secondary Meters	6
J11.6 MONTHLY SUBMITTALS.....	6
J11.7 WATER CONSERVATION PROJECTS.....	6
J11.8 SERVICE AREA	6
J11.9 OFF-INSTALLATION SITES	7
J11.10 SPECIFIC TRANSITION REQUIREMENTS.....	7
J11.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES.....	7

List of Tables

Fixed Inventory	2
Spare Parts	4
Specialized Vehicles and Tools	4
Manuals, Drawings, and Records.....	5
Existing Secondary Meters.....	5
New Secondary Meters.....	6
Service Connections and Disconnections	7
System Deficiencies.....	7

J11 BURLINGTON IAP (ANG) Water Distribution System

J11.1 BURLINGTON IAP (ANG) Overview

Burlington IAP (ANG) is located inside the city limits of Burlington, Vermont. Burlington is approximately 45 miles northwest of Montpelier, which is the capital of Vermont. The Vermont ANG host unit is the 158th Fighter Group. The base is 223 acres in size, which is leased land from the City of Burlington. There are a total of 40 facilities on base, 19 industrial, 18 administrative and 3 services with no family housing. Current base population is approximately 400 personnel during non-drill duty days and increases to approximately 1000 personnel on a drill duty weekend that occurs once per month.

Future expansion plans (not yet finalized) include the demolition of three structures and construction of two maintenance facilities. It is anticipated that there will be a net gain of approximately 30,000 square feet in facilities.

J11.2 Water Distribution System Description

J11.2.1 Water Distribution System Fixed Equipment Inventory

The BURLINGTON IAP (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:

- Building fire suppression systems
- Lawn irrigation systems

J11.2.1.1 Description

The Burlington IAP (ANG) water distribution system is comprised of a looped ductile iron piping system. It includes approximately 11,632 LF of cast iron pipe along with approximately 2,703 LF of concrete asbestos pipe and buried at 6 feet or greater depths. The system includes approximately 73 cast iron gate valves, approximately 31 fire hydrants assemblies and other appurtenances.

J11.2.1.2 Inventory

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

TABLE 1

Fixed Inventory

Water Distribution System BURLINGTON IAP (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Ductile Iron Pipe	4"	260	LF	1969
	6"	221	LF	2000
	6"	688	LF	1982
	8"	235	LF	2000
	8"	1182	LF	1999
	8"	352	LF	1997
	8"	685	LF	1996
	8"	360	LF	1995
	8"	1027	LF	1993
	8"	2000	LF	1992
	8"	438	LF	1983
	12"	4,184	LF	1997
Cement Asbestos Pipe	6"	912	LF	1958
	8"	1791	LF	1958
Copper Pipe	2"	300	LF	1992
	2"	90	LF	1982
Air Release Assembly	12"	2	EA	1996
Meter/Valve Pits	6'x8'x8'	2	EA	1996
Valve Pit	6'x6'x7'	1	EA	1958
Post Indicator Valves	8"	1	EA	1983
	8"	1	EA	1959

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Cast Iron Gate Valve	1.5"	1	EA	1978
	1.5"	1	EA	1959
	2"	2	EA	1994
	2"	1	EA	1993
	2"	4	EA	1992
	2"	2	EA	1982
	2"	1	EA	1981
	2"	3	EA	1958
	4"	2	EA	1998
	4"	1	EA	1996
	4"	1	EA	1995
	4"	1	EA	1993
	4"	1	EA	1983
	4"	2	EA	1969
	4"	1	EA	1958
	6"	2	EA	1982
	6"	1	EA	1981
	6"	7	EA	1958
	8"	2	EA	2000
	8"	2	EA	1999
8"	2	EA	1998	
Cast Iron Gate Valve	8"	2	EA	1997
	8"	5	EA	1996
	8"	5	EA	1995
	8"	2	EA	1993
	8"	3	EA	1982
	8"	1	EA	1959
	8"	6	EA	1958
	8"	1	EA	1983
	12"	8	EA	1996

Fire Hydrant Assemblies (Hydrant/Valve/Block)	6"	2	EA	2000
	6"	3	EA	1998
	6"	5	EA	1997
	6"	5	EA	1996
	6"	2	EA	1995
	6"	3	EA	1992
	6"	1	EA	1988
	6"	2	EA	1985
	6"	8	EA	1958

Notes:
PVC = Polyvinyl chloride
EA = Each
GAL= Gallon
HP = Horsepower
LF = Linear Feet

J11.2.2 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 BURLINGTON IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Water Distribution System BURLINGTON IAP (ANG)

Description	Quantity	Location	Maker
None			

J11.2.3 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 BURLINGTON IAP (ANG)

Qty	Item	Description	Remarks
1	1	Utility maps	AutoCad Version 2000
1	1	Hydrant & Building valves	
1	1	Water Flow Tests	

J11.3 Specific Service Requirements

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

J11.4 Current Service Arrangement

Provider Name: Champlain Valley Water District

Annual Consumption: 49,200 cubic feet or 368,016 gallons

Quarterly fluctuations:

- Low - 5,850 cubic feet or 43,758 gallons/quarter
- High - 17,500 cubic feet or 130,900 gallons/quarter

J11.5 Secondary Metering

J11.5.1 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 J11.6 below.

None

TABLE 5

Existing Secondary Meters
Water Distribution System BURLINGTON IAP (ANG)

Meter Location	Meter Description (Type)
None	

J11.5.2 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 J11.6 below.

NONE

TABLE 6

New Secondary Meters
Water Distribution System BURLINGTON IAP (ANG)

Meter Location	Meter Description
None	

J11.6 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.

J11.7 Water Conservation Projects

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

NONE

J11.8 Service Area

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

J11.9 Off-Installation Sites

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

J11.10 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 BURLINGTON IAP (ANG)

Location	Description
None	

J11.11 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 BURLINGTON IAP (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 AB.

TABLE 8
System Deficiencies
Water Distribution System BURLINGTON IAP (ANG)

Project Location	Project Description
North of Bldg 40	Replace 400 linear feet of 8" transite water pipe with 8" ductile pipe. Approximate pipe depth is 5.5 feet. Pipe begins at the corner of NCO Drive near the Gate House and ends in the meter pit located 400 feet to the northeast.