

ATTACHMENT J2

# Otis ANGB Water Distribution System

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# J2 Otis ANGB Water Distribution System

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## J2.1 Otis ANGB Overview

Otis ANGB occupies a large portion of the Massachusetts Military Reservation (MMR) on upper Cape Cod that is leased from the Commonwealth of Massachusetts. The MMR also includes Cape Cod AS, other military facilities, and parts of the towns of Bourne, Falmouth, Mashpee, and Sandwich. The MMR occupies approximately 20,000 acres, has approximately 600 facility and other facilities totaling approximately 4,750,000 square feet, and has an on-Base population of approximately 1,988 weekday workers, 2,436 weekend workers and 1,800 housing residents.

The Commonwealth of Massachusetts began acquiring the MMR in 1935 and established Camp Edwards in 1940 as an Army National Guard training site. The airfield at Camp Edwards was completed in 1938 and was acquired by the Air Force in 1948. In 1953, the majority of facilities on the installation were transferred to the Air Force, with Camp Edwards being reduced to a small area in the northern corner of what was then Otis Air Force Base. The Base was officially de-activated in 1973, and control was passed to the 102nd Fighter Interceptor Wing. At the same time, the 26 Aviation Battalion and the Army Aviation Support Facility of the Massachusetts Army National Guard moved to Otis. Three major tenants, the Army National Guard, the Air National Guard, and the Coast Guard, occupy the Base today.

Projected future mission requirements have necessitated the renovation or demolition of older facilities at the Base. The Otis ANGB Capital Improvements Program (CIP) emphasizes consolidating existing facilities and maximizing their utilization as much as possible. Key projects are planned for Otis ANGB over the next 5 years that will increase the total square footage of buildings and facilities on Base by approximately 2 percent per year.

## J2.2 Water Distribution System Description

### J2.2.1 Water Distribution System Fixed Equipment Inventory

The Otis ANGB 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:

- J Well - located on the north side of Herbert Road, before it becomes Burge Boulevard
- J Well pump, chemical feed system and the carbon adsorption system
- Backflow preventers
- B Well and 500,000-gallon fire suppression deluge tank, associated pumps and controls located in the I-complex
- Irrigation systems
- Supervisory Control and Data Acquisition (SCADA) system

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

Potable water is supplied to Otis ANGB from an onsite groundwater well, the J Well. Otis ANGB water system is also currently connected to the Upper Cape Water Supply Cooperative (Co-Op) at a metered connection in a vault near the J Well. The connection is such that the Co-Op will be available as a back up water supply for Otis ANGB. And also, in an emergency water situation, the Co-Op connection to the J Well is such that the J Well can back-feed water to the Co-Op.

The water utility system at Otis ANGB is registered by the Massachusetts Department of Environmental Protection (DEP) as a public water supplier as described in the 1998 Certificate of Registration, PWS ID # 4096001. The system is registered to provide a maximum average daily groundwater withdrawal of 540,000 gallons, 365 days per year, with a maximum annual withdrawal of 197.1 million gallons.

The Otis ANGB water utility system consists of three main subsystems: the J Well pump and its associated infrastructure, two 400,000-gallon elevated water storage tanks and the distribution system. The Otis ANGB SCADA system monitors the water levels in the tanks, and the J Well production.

The J Well and its associated infrastructure is not included with the water distribution system to be privatized. The pumping system is rated at 1,400 gallons per minute and is controlled from the water level in storage tank No. 2. The J Well pump and motor were overhauled in approximately 1992, and a new pump motor was installed. The 150-horsepower (hp) pump motor is equipped with a variable speed drive. The pump and chemical addition system were refurbished in 1998 and 1999. The Granular Activated Carbon (GAC) unit was added to the well system in 1998 to address volatile organic compounds (VOCs) detected in J Well samples. The DEP issued an Administrative Order and Notice of Noncompliance (UAO-SE-98-5004) to Otis ANGB regarding the detection of VOC compounds in J Well water samples.

Two 400,000-gallon elevated water storage tanks (Facility 2302 on Shelton Road and Facility 2303 on Granville Road) provide onsite water storage. The two gravity-filled storage tanks provide water storage capacity for both fire flow and domestic consumption. The storage

tank water elevations provide static pressures that range between 40 and 70 pounds per square inch (psi). The two storage tanks were refurbished in 1992 and 1993. The refurbishing project included painting the exterior and interior coating of the tanks, installing new cathodic protection systems, repairing structural steel components, and repairing valves.

The distribution system consists of asbestos cement, ductile iron, cast iron, and copper pipe, valves, fire hydrants and meters. The average burial depth for buried infrastructure is four to five feet below ground surface. Approximately 5 percent of the distribution system is underneath paved surfaces. The system distributes water to Otis ANGB, Coast Guard facilities and housing and other tenants in the MMR.

The conventional water quality provided by the water system is acceptable and complies with DEP requirements. Sampling and analysis are performed regularly, and the results are reported to the DEP.

### J2.2.1.2 Inventory

**Table 1** provides a general listing of the major water distribution system fixed assets for the Otis ANGB water distribution system included in the sale.

**TABLE 1**  
Fixed Inventory  
*Water Distribution System Otis ANGB*

| Item                  | Size     | Quantity | Unit | Approximate Year of Construction |
|-----------------------|----------|----------|------|----------------------------------|
| <b>Otis Main Base</b> |          |          |      |                                  |
| <b>Piping</b>         |          |          |      |                                  |
| Asbestos cement       | 2 ½ -in. | 250      | LF   | 1955                             |
|                       | 4-in.    | 250      | LF   | 1955                             |
|                       | 6-in.    | 4,610    | LF   | 1955                             |
|                       | 8-in.    | 12,515   | LF   | 1955                             |
|                       | 10-in.   | 14,245   | LF   | 1955                             |
| Copper pipe           | 1-in.    | 1,125    | LF   | 1940                             |
|                       | 1-in.    | 2,775    | LF   | 1941                             |
| Cast Iron pipe        | 2-in.    | 1,000    | LF   | 1940                             |
|                       | 2-in.    | 1,275    | LF   | 1941                             |
|                       | 2 ½-in.  | 2,150    | LF   | 1940                             |
|                       | 2 ½ -in. | 2,850    | LF   | 1941                             |
|                       | 3-in.    | 500      | LF   | 1941                             |
|                       | 4-in.    | 480      | LF   | 1940                             |
|                       | 4-in.    | 3,430    | LF   | 1941                             |
|                       | 6-in.    | 8,860    | LF   | 1940                             |
|                       | 6-in.    | 33,285   | LF   | 1941                             |
|                       | 8-in.    | 7,925    | LF   | 1940                             |
|                       | 8-in.    | 28,365   | LF   | 1941                             |
|                       | 10-in.   | 630      | LF   | 1940                             |
| 10-in.                | 30,480   | LF       | 1941 |                                  |

**TABLE 1**  
Fixed Inventory  
*Water Distribution System Otis ANGB*

| Item                                  | Size          | Quantity | Unit | Approximate Year of Construction |
|---------------------------------------|---------------|----------|------|----------------------------------|
|                                       | 12-in.        | 1,270    | LF   | 1940                             |
|                                       | 12-in.        | 10,950   | LF   | 1941                             |
|                                       | 14-in.        | 1,050    | LF   | 1940                             |
|                                       | 14-in.        | 6,810    | LF   | 1941                             |
| Ductile Iron pipe                     | 12-in.        | 3,020    | LF   | 1980                             |
| Cast iron gate valve                  | 1-in.         | 27       | EA   | 1960                             |
|                                       | 2-in.         | 40       | EA   | 1960                             |
|                                       | 2 ½-in.       | 20       | EA   | 1960                             |
|                                       | 3-in.         | 15       | EA   | 1960                             |
|                                       | 4-in.         | 10       | EA   | 1960                             |
|                                       | 4-in.         | 1        | EA   | 2000                             |
|                                       | 6-in.         | 185      | EA   | 1960                             |
|                                       | 6-in.         | 14       | EA   | 2000                             |
|                                       | 8-in.         | 96       | EA   | 1960                             |
|                                       | 8-in.         | 21       | EA   | 2000                             |
|                                       | 10-in.        | 43       | EA   | 1960                             |
|                                       | 10-in.        | 36       | EA   | 2000                             |
|                                       | 12-in.        | 14       | EA   | 1960                             |
|                                       | 12-in.        | 9        | EA   | 2000                             |
|                                       | 14-in.        | 7        | EA   | 1960                             |
|                                       | 14-in.        | 1        | EA   | 2000                             |
| <b>Elevated storage tanks</b>         |               |          |      |                                  |
| Elevated storage tank – Facility 2302 | 400,000 gal   | 1        | EA   | 1942                             |
| Storage tank 2302 valve pit           | Approx. 6'x6' | 1        | EA   | 1995                             |
| Storage tank 2302 altitude valve      | 12-in.        | 1        | EA   | 1995                             |
| Water tank cathodic protection system |               | 1        | EA   | 1992                             |
| Water tank obstruction lighting       |               | 1        | LS   | 1990                             |
| Elevated storage tank – Facility 2303 | 400,000 gal   | 1        | EA   | 1942                             |
| Storage tank 2303 Valve Pit           | Approx. 6'x6' | 1        | EA   | 1995                             |
| Storage tank 2303 Altitude Valve      | 12-in.        | 1        | EA   | 1995                             |
| Water tank cathodic protection system |               | 1        | EA   | 1992                             |
| Water tank obstruction lighting       |               | 1        | LS   | 1990                             |
| <b>Fire Hydrants</b>                  |               |          |      |                                  |
| Fire hydrants (4 ½-in. valve size)    | 4 ½-in.       | 25       | EA   | 1940                             |
| Fire hydrants (4 ½-in. valve size)    | 4 ½-in.       | 151      | EA   | 1941                             |
| Fire hydrants (4 ½-in. valve size)    | 4 ½-in.       | 38       | EA   | 1955                             |
| Fire hydrants (4 ½-in. valve size)    | 4 ½-in.       | 38       | EA   | 1960                             |
| <b>Bulk Meters</b>                    |               | 7        | EA   | 1995                             |

**TABLE 1**  
Fixed Inventory  
*Water Distribution System Otis ANGB*

| Item  | Size                 | Quantity | Unit | Approximate Year of Construction |
|---|----------------------|----------|------|----------------------------------|
| <b>Coast Guard Housing</b>                  |                      |          |      |                                  |
| <b>Piping</b>                               |                      |          |      |                                  |
| Copper pipe                                 | ¾ -in.               | 4,050    | LF   | 1958                             |
|   | 1-in.                | 4,050    | LF   | 1958                             |
|   | 1 ¼-in.              | 4,050    | LF   | 1958                             |
| Cast iron pipe                              | 2-in.                | 350      | LF   | 1958                             |
|   | 4-in.                | 5,475    | LF   | 1958                             |
|   | 6-in.                | 12,010   | LF   | 1958                             |
|   | 8-in.                | 18,200   | LF   | 1958                             |
|   | 10-in.               | 26,705   | LF   | 1958                             |
|   | 12-in.               | 2,980    | LF   | 1958                             |
| Cast iron gate valve                        | 1-in.                | 9        | EA   | 1960                             |
|   | 2-in.                | 15       | EA   | 1960                             |
|   | 4-in.                | 3        | EA   | 1960                             |
|   | 6-in.                | 90       | EA   | 1960                             |
|   | 6-in.                | 1        | EA   | 2000                             |
|   | 8-in.                | 15       | EA   | 1960                             |
|   | 8-in.                | 2        | EA   | 2000                             |
|   | 10-in.               | 12       | EA   | 1960                             |
|   | 10-in.               | 3        | EA   | 2000                             |
|   | 12-in.               | 5        | EA   | 1960                             |
|   | 12-in.               | 1        | EA   | 2000                             |
|   | <b>Fire Hydrants</b> |          |      |                                  |
| Fire hydrants (4 ½-in. valve size)          | 4 ½-in.              | 10       | EA   | 1958                             |
| Fire hydrants (4 ½-in. valve size)          | 4 ½-in.              | 2        | EA   | 1960                             |
| <b>Coast Guard Facilities (Non-Housing)</b> |                      |          |      |                                  |
| <b>Piping</b>                               |                      |          |      |                                  |
| Cast iron pipe                              | 4-in.                | 750      | LF   | 1955                             |
|   | 6-in.                | 1,550    | LF   | 1955                             |
|   | 10-in.               | 680      | LF   | 1940                             |
|   | 12-in.               | 900      | LF   | 1940                             |
| Cast iron gate valve                        | 4-in.                | 2        | EA   | 1960                             |
|   | 6-in.                | 3        | EA   | 1960                             |
|   | 10-in.               | 2        | EA   | 1960                             |
|   | 12-in.               | 1        | EA   | 1960                             |

**TABLE 1**  
Fixed Inventory  
*Water Distribution System Otis ANGB*

| Item                               | Size     | Quantity | Unit | Approximate Year of Construction |
|------------------------------------|----------|----------|------|----------------------------------|
| <b>Fire Hydrants</b>               |          |          |      |                                  |
| Fire hydrants (4 ½-in. valve size) | 4 ½ -in. | 2        | EA   | 1955                             |
| Fire hydrants (4 ½-in. valve size) | 4 ½ -in. | 1        | EA   | 1960                             |

**Notes:**

Quantity estimates based on take-offs from Base utility maps.

EA = each

gal. = gallon

in. = inch

LF = linear feet

LS = lump sum

## J2.2.2 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 Distribution System Otis ANGB*

| Qty   | Item | Description | Make/Model | Remarks |
|---|------|-------------|------------|---------|
| There are no spare parts are included with the system to be privatized. |      |             |            |         |

**TABLE 3**  
Specialized Vehicles and Tools  
*Water Distribution System Otis ANGB*

| Qty   | Description | Location | Maker |
|---|-------------|----------|-------|
| There are no specialized vehicles or tools are included with the system to be privatized. |             |          |       |

### J2.2.3 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 Otis ANGB*

| Qty | Item | Description   | Remarks                  |
|-----|------|---|--------------------------|
| 1   | Set  | Base Comprehensive Water Distribution Plans (G-tab) |                          |
|     |      | Drawings, records, and manuals                      | Located in Facility 7029 |

## J2.3 Specific Service Requirements

The service requirements for the Otis ANGB water distribution system are as defined in the Section C, *Description/Specifications/Work Statement*. The following requirements are specific to the Otis ANGB water distribution system and are in addition to those found in Section C. If there is a conflict between requirements described below and Section C, the requirements listed below take precedence over those found in Section C.

- The Contractor shall provide the Contracting Officer with a copy of any and all testing information and reports related to the water distribution system that are submitted to any agency.
- The Contractor shall own and maintain all obstruction lighting on water towers. Obstruction lighting is on both water towers (2302 and 2303).
- The Government shall retain ownership of airfield beacon lighting on water towers. Beacon lighting is only on water tower 2303. The government will maintain all beacon lighting and associated equipment. IAW the Right of Way, the contractor shall allow the Government access to all beacon lighting and associated equipment mounted on buildings or water towers.
- The Contractor shall maintain and operate the cathodic protection systems for the water storage tanks.
- The Contractor shall maintain Air Force marking on water tanks and shall coordinate with the Base Civil Engineer before painting any water tanks.
- The Contractor shall coordinate any change to the water distribution system that may affect fire protection with the Base Fire Department.
- The Contractor shall coordinate replacement or changes to fire hydrants with the Base Fire Department.
- The Contractor shall perform flow testing and maintenance of fire hydrants and water lines in accordance with National Fire Protection Association standards.

- Contractor shall notify CE and EMO of any hazardous material brought onto the MMR. Contractor must have an EPA manifest number prior to transporting any hazardous waste onto the MMR.
- If Contractor installs a SCADA system on the water distribution system, it must be compatible with Otis ANGB SCADA monitoring and Contractor shall work with Otis ANGB to coordinate system management.
- Contractor shall abide by all MMR Cultural Resource Area Performance Standards and Environmental Performance Implementation Cantonment Area Standards.

## J2.4 Current Service Arrangement

Otis ANGB develops its own water from an onsite groundwater well, the J Well. The 2002 water consumption at Otis ANGB was approximately 105,100,000 gallons. Average water consumption was nearly 288,000 gallons per day with a maximum monthly consumption of 15,500,000 gallons during the month of July. Information on the monthly low consumption was not available. .

The water utility systems at Otis ANGB are classified by the Massachusetts DEP as “owner-owned” distribution systems. As currently operated, they do not require DEP water supply system permits. DEP has indicated that the private owner of a water utility system would be required to notify the DEP of the change in ownership, may be required to obtain approval of the transfer of ownership, and may be required to amend an existing permit to include the distribution system or obtain a permit for the system, depending on the specifics of the sale. DEP also indicated that their regulatory approval process for transfer of ownership of a water utility system takes approximately 1 month.

## 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  
*Water Distribution System Otis ANGB*

| <b>Meter Location</b>   | <b>Meter Description (Type)</b>   |
|---|---|
| Meter #1 – On 6-inch line in a vault running east of the J-Well towards the Coast Guard area  | Hersey Measurement Company – Model MFM 6"x3" (actually 2 meters on 2 pipes to accommodate low and high flows) |
| Meter #2 – On a 12-inch line in a vault located at the southeast corner of the intersection of West Truck Road and South Inner Road   | Hersey Measurement Company – Model MFM 8"x4" (actually 2 meters on 2 pipes to accommodate low and high flows) |
| Meter #3 – On a 10 inch line in a vault located at the southwest corner of West Outer Road and Gaffney Street.  | Hersey Measurement Company – Model MFM 8"x4" (actually 2 meters on 2 pipes to accommodate low and high flows) |
| Meter #4 – On a 14-inch line in a vault located on the northeast side of East Hospital Road as it begins to curve west into West Hospital Road.   | Hersey Measurement Company – Model MFM 8"x4" (actually 2 meters on 2 pipes to accommodate low and high flows) |
| Meter #5 – On an 8-inch AC pipe running West to East between two 10-inch AC pipes. It is located in a vault about 600 feet north of South Outer Road off the end of the North-South Runway. | Hersey Measurement Company – Meter Model MHR 8" (measures flow in both directions)                            |
| Meter #6 – On a 10-inch AC pipe in a vault on the north side of South Outer Road (near Meter #5) just to the west of the Alert Hangar.  | Hersey Measurement Company – Meter Model MHR 10" (measures flow in both directions)                           |
| Meter #7 – on a 10-inch AC pipe in a vault to the east of the intersection of South Outer Road and Granville Avenue, below the water tank.  | Hersey Measurement Company – Meter Model MHR 10" (measures flow in both directions)                           |

## 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  
*Water Distribution System Otis ANGB*

| <b>Meter Location</b>                     | <b>Meter Description</b> |
|---|--------------------------|
|   | <b>Otis Main Base</b>    |
| Wastewater Treatment Plant, Facility 3250 |                          |
| Barracks, Facility 5236                   |                          |
| Facility 5238                             |                          |
| IRP SD5, Facility 561                     |                          |
| IRP, Facility 322                         |                          |
| IRP Trailers, Facility 318                |                          |

**TABLE 6**  
 New Secondary Meters  
*Water Distribution System Otis ANGB*

| Meter Location                              | Meter Description |
|---|-------------------|
| IRP, Facility 3137                          |                   |
| Communications Facility 104                 |                   |
| Club, Facility 306                          |                   |
| Combat Communications, Facility 330         |                   |
| Combat Communications, Facility 430         |                   |
| IRP Trailers—West Truck Road, Facility 1748 |                   |
| IRP, Facility 1747                          |                   |
| Gym, Facility 4180                          |                   |
| CE, Facility 1748                           |                   |
| IRP, Facility 1146                          |                   |
| Motor Pool Administration, Facility 753     |                   |
| Motor Pool, Facility 754                    |                   |
| <b>Coast Guard</b>                          |                   |
| Golf Club House, Facility 3352              |                   |
| Golf Driving Range, Facility 3501           |                   |
| Chapel, Facility 1004                       |                   |
| Chapel Support, Facility 1005               |                   |
| <b>Army National Guard</b>                  |                   |
| Norstad Street, Facilities 5501 to 5525     |                   |
| Tank Wash                                   |                   |
| Barracks, Facility 5222                     |                   |
| Barracks, Facility 5224                     |                   |
| Barracks, Facility 5230                     |                   |
| Barracks, Facility 5232                     |                   |
| Barracks, Facility 5234                     |                   |
| Barracks, Facility 5240                     |                   |
| Barracks, Facility 5242                     |                   |
| Barracks, Facility 5243                     |                   |
| Barracks, Facility 5244                     |                   |
| Dining Hall, Facility 5220                  |                   |
| Dining Hall, Facility 5245                  |                   |
| Club, Facility 5218                         |                   |
| Facility 102                                |                   |
| Facility 110                                |                   |
| Aviation, Facility 2806                     |                   |

**TABLE 6**  
 New Secondary Meters  
*Water Distribution System Otis ANGB*

| Meter Location                       | Meter Description |
|--------------------------------------|-------------------|
| Facility Engineering Facility 2808   |                   |
| Aviation, Facility 2814              |                   |
| Aviation, Facility 2816              |                   |
| Aviation, Facility 2822              |                   |
| Old Marine Area, Facility 1015       |                   |
| Old Marine Area, Facility 1017       |                   |
| Old Marine Area, Facility 1025       |                   |
| Old Marine Area, Facility 1026       |                   |
| Old Marine Area, Facility 1027       |                   |
| Old Marine Area, Facility 1028       |                   |
| Old Marine Area, Facility 1029       |                   |
| Old Marine Area, Facility 1030       |                   |
| Old Marine Area, Facility 1031       |                   |
| Old Marine Area, Facility 1045       |                   |
| Old Marine Area, Facility 1049       |                   |
| Clinic, Facility 1313                |                   |
| Warehouses, Facility 3431            |                   |
| Warehouses, Facility 3432            |                   |
| Warehouses, Facilities 3433 and 3434 |                   |
| Warehouses, Facility 3435            |                   |
| Warehouses, Facility 3436            |                   |
| OMS, Facility 552                    |                   |
| Facility 1221                        |                   |
| Facility 1222                        |                   |
| Facility 1223                        |                   |
| Facility 1224                        |                   |
| Facility 1225                        |                   |
| Facility 1226                        |                   |
| Facility 1227                        |                   |
| Facility 1228                        |                   |
| Facility 1229                        |                   |
| Facility 1230                        |                   |
| Facility 1232                        |                   |
| Facility 1233                        |                   |
| Facility 1235                        |                   |

**TABLE 6**  
 New Secondary Meters  
*Water Distribution System Otis ANGB*

| Meter Location                      | Meter Description    |
|-------------------------------------|----------------------|
| Facility 1236                       |                      |
| Facility 1241                       |                      |
| Facility 1243                       |                      |
| Facility 1245                       |                      |
| Facility 1247                       |                      |
| Facility 1249                       |                      |
| Facility 1251                       |                      |
| Facility 1253                       |                      |
| Facility 1255                       |                      |
| Facility 1257                       |                      |
| Facility 1259                       |                      |
| Facility 1261                       |                      |
| Facility 1263                       |                      |
| Facility 1265                       |                      |
| Facility 1267                       |                      |
| Facility 1269                       |                      |
| Facility 1240                       |                      |
| Facility 1242                       |                      |
| Facility 1244                       |                      |
| Facility 1246                       |                      |
| Facility 1248                       |                      |
| Facility 1250                       |                      |
| Facility 1254                       |                      |
| Facility 1258                       |                      |
| Facility 1260                       |                      |
| Facility 1262                       |                      |
| Facility 1268                       |                      |
|                                     | <b>Miscellaneous</b> |
| Bourne Schools, Facility 5400       |                      |
| Bourne Schools, Facility 5500       |                      |
| Bourne Schools, Facility 5700       |                      |
| FAA, Facility 130                   |                      |
| Dept. of Agriculture, Facility 980  |                      |
| Dept. of Agriculture, Facility 1398 |                      |
| Transfer Station, Facility 33001    |                      |

**TABLE 6**  
 New Secondary Meters  
 Water Distribution System Otis ANGB

| Meter Location                           | Meter Description |
|--|-------------------|
| Volpe Center FAA, Facility 2410          |                   |
| PAVE PAWS, Ball Field (just east of 322) |                   |

## 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:

*Name:* 102<sup>nd</sup> CES/CD  
*Address:* Otis ANGB  
 971 South Outer Road, Box 22  
 Otis ANGB, MA 02542-5028

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:

*Name:* 102<sup>nd</sup> CES/CD  
*Address:* Otis ANGB  
 971 South Outer Road, Box 22  
 Otis ANGB, MA 02542-5028

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 15<sup>th</sup> of each month for the previous month. Meter reading reports shall be submitted to:

*Name:* 102<sup>nd</sup> CES/CD  
*Address:* Otis ANGB  
 971 South Outer Road, Box 22  
 Otis ANGB, MA 02542-5028

## J2.7 Water Conservation Projects

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

- There are no water conservation projects associated with the system to be privatized.

## J2.8 Service Area

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

## J2.9 Off-Installation Sites

No off-installation sites are included in the sale of the Otis ANGB water distribution system.

## J2.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 8** provides a listing of service connections and disconnections required upon transfer.

**TABLE 8**  
Service Connections and Disconnections  
*Water Distribution System Otis ANGB*

| Location   | Description |
|--|-------------|
| There are no specific service connections or disconnections for the system to be privatized. |             |

## J2.11 Government Recognized System Deficiencies

**Table 9** provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Otis ANGB 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 through [Schedule L-3](#). Renewal and Replacement projects will be recovered through [Sub-CLIN AC](#).

**TABLE 9**  
System Improvement Projects  
*Water Distribution System Otis ANGB*

| Project Location | Project Description |
|------------------|---------------------|
|------------------|---------------------|

**TABLE 9**  
System Improvement Projects  
*Water Distribution System Otis ANGB*

| <b>Project Location</b> | <b>Project Description</b>   |
|-------------------------|--|
|                         | Replace Cathodic Protection system for Water Tanks 2302 and 2303—summer 2003 |
|                         | Valve replacement or cut and cap 2003—ongoing                                |
|                         | Replace approximately 16 hydrants and valves—2004                            |