

ATTACHMENT J1

Otis ANGB Electric Distribution System

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J1 Otis ANGB Electric Distribution System

J1.1 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.

J1.2 Electric Distribution System Description

J1.2.1 Electric Distribution System Fixed Equipment Inventory

The Otis ANGB electric 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, transformers, circuits, protective devices, utility poles, ductbanks, switches, street lighting fixtures, and other ancillary fixed equipment. 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 electric distribution system privatization are:

- Air field ramp lighting
- NAVAID lighting
- The No. 78 Falmouth feeder, approximately 1,700 linear feet long exiting the West Substation to the South

J1.2.1.1 Description

Power is supplied to Otis ANGB through two overhead three-phase, 24.9-kilovolt (kV) transmission lines. One line is the government-owned Bourne Feeder No. 79; the other is the utility-owned Falmouth Feeder No. 78. Both lines feed into the Base-owned West Substation. At the Otis ANGB West/Main substation, each circuit terminates at a deadend structure and circuit breaker for sectionalizing. Between these two sectionalizing breakers, a tap feeds two main power transformers with high side circuit switchers. These two main power transformers then feed a section of metal enclosed switchgear configured in a two bus configuration with a tie breaker. This configuration allows power to be fed through the West/Main substation while still providing power to the Base; however, this is not the normal practice.

Also included in the system are the Coast Guard antenna site to the north end of the airfield separately fed from the utility and the VA cemetery to the west of the air field tapped off the Bourne Feeder No. 79.

Except for the Coast Guard antenna site, the entire Base distribution system is fed from the government-owned line No. 79. Upon loss of this feed, the substation contains a transfer scheme to switch to the alternate source, the utility-owned feeder No. 78. There is no SCADA system for remote operation of the switchgear at this Base.

The Base has recently performed a major system upgrade and converted the original overhead circuits to 12.5kV voltage level. Sectionalizing switches are located throughout the system. These are used to isolate portions of the system as well as to provide a means to transfer load from one feeder to another during emergency conditions. While most of the system is overhead, portions near the air field are underground with approximately 1,850 feet under paved surfaces.

J1.2.1.2 Inventory

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

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
Main Base				
West Substation				
Fencing				
8-ft chain link fencing		304	LF	1992
8-ft chain link fence, 14-ft double gate		3	EA	1992
8-ft chain link fence, 8-ft personnel gate		1	EA	1992
Grounding				
3/4-in.-10-ft Copperclad ground rod		15	EA	1992
#4/0 Bare copper ground wire		1,900	LF	1992
Exothermic weld connections		201	EA	1992
Main Power				
Main power transformers - 5 MVA, 24.9 kV-12.5/7.2-4.16/2.3 kV, with LTC	5 MVA	2	EA	1992
Three phase vacuum circuit reclosers, 25 kV, 560 amp	25 kV	2	EA	1992
Potential transformers, 25 kV	25 kV	9	EA	1992
23 kV capacitors	100 kVAR	12	EA	1995
Lightning Arrestors				
Station class lightning arrestors 18 kV	18 kV	12	EA	1992
Station class lightning arrestors 16 kV	16 kV	3	EA	1992
Structure				
28-ft A-frame deadend structure	large	2	EA	1992
25-kV bus support structure	medium	3	EA	1992
25-kV circuit switcher support structure	medium	2	EA	1992
Utility metering structure	medium	1	EA	1992
25-kV riser structure	medium	1	EA	1992
Insulators				
25-kV strain insulators	25 kV	12	EA	1992
Porcelain cable terminators 25-kV	25 kV	3	EA	1992
Switches				
25-kV 600 amp fused 1-phase	25 kV	3	EA	1992
25-kV, 600 amp, 1-phase switch	25 kV	6	EA	1992
3-phase gang switch – 25-kV, 600-amp	25 kV	4	EA	1992
Bus				
2-in. copper bus	2-in.	216	LF	1992
1-in. copper bus	1-in.	84	LF	1992
15 kV, 1200 amp, 3-phase enclosed bus		28	LF	1992
750 MCM bare copper		144	LF	1992

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
Switchgear				
Circuit breakers – 15-kV, 1200-amp, W / protective relaying	15 kV	10	EA	1992
Control power transformer - 37.5-kVA, 1-phase	37.5 kVA	2	EA	1992
Auto transfer switch, 120/240 V, 300 A	15 kV	1	EA	1992
Battery charger		1	EA	1992
Batteries		10	KAH	1992
70 w, HPS wallpack lights		6	EA	1992
Concrete Foundations				
Transformer		6	CY	1992
Bus support		4	CY	1992
Deadend structure		140	CY	1992
25-kV recloser		5	CY	1992
Switch stand		4	CY	1992
Metering stand		5	CY	1992
Circuit switcher		6	CY	1992
Crushed rock		208	CY	1992
Primary				
Underground Circuits				
3-phase, 3-wire circuit, UG, Copper, 15-kV	#2	19,500	SCLF	2000
	#4	36,750	SCLF	2000
	#1	30,000	SCLF	2000
1-phase, 1-wire circuit, UG, Copper, 15-kV	#2	13,667	SCLF	2000
Ductbank (1 X 2), PVC concrete encased, 4-ft depth	4-in.	2,325	LF	1965
	4-in.	2,325	LF	1995
	4-in.	18,600	LF	2000
Overhead Circuits				
3-phase, 4-wire circuit, aerial, copper, total conductor length	#4/0	191,666	SCLF	1945
	#4/0	91,820	SCLF	1955
	#2/0	72,113	SCLF	1945
	#1/0	31,037	SCLF	1945
	#1/0	321,849	SCLF	1975
	#2	80,249	SCLF	1945
	#2	83,136	SCLF	1955
	#2	10,400	SCLF	1965
	#4	169,750	SCLF	1945
	#4	13,123	SCLF	1955

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
Secondary				
Triplex cable, medium voltage, copper, total wire length	#6	84,753	SCLF	1995
	#2	85,500	SCLF	1995
Triplex cable, medium voltage, aluminum, total wire length	#2/0	140,247	SCLF	1995
	#4/0	32,247	SCLF	1995
Quadplex cable, medium voltage, copper, total wire length	#2	4,000	SCLF	1995
Quadplex, cable, medium voltage, aluminum, total wire length	#2/0	25,328	SCLF	1995
	#4/0	30,672	SCLF	1995
1-phase, 4-wire circuit, UG, aluminum, total wire length	#250	11,332	SCLF	1995
Transformers				
1-phase, oil-filled	Nom kVA			
	5 kVA	1	EA	1990
	10 kVA	13	EA	1990
	15 kVA	1	EA	1990
	25 kVA	5	EA	1990
	37.5 kVA	10	EA	1990
	50 kVA	4	EA	1990
	75 kVA	3	EA	1990
	100 kVA	1	EA	1990
	3-phase, oil-filled	75 kVA	3	EA
100 kVA		1	EA	1990
150 kVA		2	EA	1990
225 kVA		3	EA	1990
300 kVA		2	EA	1990
500 kVA		6	EA	1990
750 kVA		1	EA	1990
Pad, concrete, 25 sf at 18 ea		950	SF	1990
Cable terminators, UG, 1 per phase at pad mount transformer		54	EA	1990
Transformers, grounding		13	EA	1990
1-phase, oil-filled	3 kVA	3	EA	2000
	5 kVA	1	EA	2000
	10 kVA	19	EA	2000
	15 kVA	46	EA	2000
	25 kVA	113	EA	2000
	37.5 kVA	21	EA	2000
	50 kVA	29	EA	2000

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
	75 kVA	15	EA	2000
	100 kVA	19	EA	2000
3-phase, oil-filled	75 kVA	4	EA	2000
	112.5 kVA	2		2000
	150 kVA	1	EA	2000
	225 kVA	2	EA	2000
	400 kVA	1	EA	2000
	500 kVA	2	EA	2000
	750 kVA	1	EA	2000
Pad, concrete, 25 sf at 10 ea		250	SF	2000
Cable terminators, UG, 1 per phase at pad mount transformer		30	EA	2000
Transformers, grounding		13	EA	2000
Manhole				
Utility manhole, estimate (6 ft X 6 ft X 6 ft)		18	EA	2000
Utility Poles				
	Height (ft)			
Wood pole	25 ft	5	EA	1975
	30 ft	10	EA	1975
	35 ft	186	EA	1975
	40 ft	606	EA	1975
	45 ft	94	EA	1975
	25 ft	2	EA	1985
	30 ft	1	EA	1985
	35 ft	32	EA	1985
	40 ft	131	EA	1985
	45 ft	10	EA	1985
	35 ft	16	EA	2000
	40 ft	453	EA	2000
	45 ft	74	EA	2000
Other				
Spool insulator		1,060	EA	2000
Suspension insulator		2,376	EA	2000
Post insulator		3,782	EA	2000
8-ft cross arm		1,874	EA	2000
Down guy and anchor		1,143	EA	2000
Span guy		144	EA	2000
Fused cutout		398	EA	2000

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
Surge arrestor		529	EA	2000
Pole ground		186	EA	2000
15-kV gang switch		24	EA	2000
Current transformer	15 kV	6	EA	2000
Potential transformer	15 kV	6	EA	2000
Cable terminator		48	EA	2000
Meter				
Electric commodity meter		154	EA	1985
Street Lights				
Street lights, 150W HPS		18	EA	1965
		561	EA	1975
Housing				
Overhead Circuits				
3-phase, 4-wire circuit, aerial, copper, total wire length	#4/0	6,037	SCLF	1945
	#2	41,365	SCLF	1945
	#4	31,165	SCLF	1945
Triplex cable, medium voltage, copper, total wire length	#6	31,500	SCLF	1995
	#2	4,500	SCLF	1995
Triplex cable, medium voltage, aluminum, total wire length	#2/0	95,247	SCLF	1995
	#4/0	38,250	SCLF	1995
Other				
Spool insulator		93	EA	2000
Suspension insulator		260	EA	2000
Post insulator		370	EA	2000
8-ft cross arm		181	EA	2000
Down guy and anchor		179	EA	2000
Span guy		29	EA	2000
Fused cutout		61	EA	2000
Surge arrestor		56	EA	2000
Pole ground		38	EA	2000
15-kV gang switch		3	EA	2000
Cable terminator		3	EA	2000
Transformer				
1-phase, oil-filled	10 kVA	10	EA	2000
	15 kVA	10	EA	2000
	25 kVA	23	EA	2000

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
	37.5 kVA	15	EA	2000
	75 kVA	3	EA	2000
	100 kVA	3	EA	2000
Manhole				
Utility manhole		2	EA	2000
Poles				
Wood pole	30 ft	2	EA	1985
	35 ft	30	EA	1985
	40 ft	71	EA	1985
	45 ft	21	EA	1985
	40 ft	49	EA	2000
	45 ft	8	EA	2000
Meter				
Electric commodity meter		21	EA	1985
VA Cemetery				
Underground Circuits		AWG		
3-phase, 3-wire circuit, UG direct buried, copper, 25kV, total wire length	#2	7,350	SCLF	1979
Cable splice, 25 kV	#2	3	EA	1979
Cable terminators	#2	9	EA	1979
Manholes		8	EA	1979
Overhead circuits				
3-phase, 3-wire circuit, aerial, aluminum, total wire length	#1/0	9,600	SCLF	1979
Wood pole	40 ft	16	EA	1979
Wood crossarm	8 ft	21	EA	1979
Post insulators, 25 kV		54	EA	1979
Suspension insulators, 25 kV		6	EA	1979
Surge arrester		3	EA	1979
Down guy		1	EA	1979
Fused cutout		3	EA	1979
Pole ground		1	EA	1979
Cable terminator, 25 kV, #2, outdoor		3	EA	1979
Transformer				
3-phase, oil-filled	150 kVA	2	EA	1979
Pad, concrete, 25 sf at 10 ea		2	SF	1979
Transformers, grounding		2	EA	1979

Coast Guard Antenna Site

TABLE 1
Fixed Inventory
Electric Distribution System Otis ANGB

Component	Size	Quantity	Unit	Approximate Year of Construction
Underground circuits		AWG		
3-phase, 3-wire circuit, UG, copper, 5 kV, total wire length	#4/0	10,200	SCLF	1960
Cable terminators, 7.5 kV, #4/0, outdoor		3	EA	1960
Ductbank (1 X 2)		3,400	LF	1960
Manholes, estimate (6 ft X 6 ft X 6 ft)		8	EA	1960
Overhead Circuits				
3-phase, 3-wire circuit, aerial, copper, total wire length	#4/0	7,200	SCLF	1960
Wood pole	45 ft	14	EA	1960
Wood crossarm	10 ft	18	EA	1960
Pin insulators, 7.5 kV		48	EA	1960
Suspension insulators, 7.5 kV		16	EA	1960
Surge arrester		3	EA	1960
Down guy		1	EA	1960
Fused cutout		3	EA	1960
Pole ground		1	EA	1960
Cable terminator, #4/0, outdoor		3	EA	1960
Transformer				
1-phase, oil-filled	37.5 kVA	3	EA	1960
Pad, concrete, 25 sf at 10 ea		1	SF	1960
Transformers, grounding		1	EA	1960

Notes:

amp = ampere
 AWG = American Wire Gauge
 CU = copper
 CY = cubic yard
 EA = each
 ft = feet
 in. = inch
 KAH = kilo-amp hours
 KVAR = kilovolt-amps Reactive
 LF = linear feet
 mcm = thousand circular mils
 MVA = megavolt ampere
 Nom kVA = nominal kilovolt-amperes
 SCLF = single conductor linear feet

J1.2.2 Electric 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
Electric Distribution System Otis ANGB

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

TABLE 3
Specialized Vehicles and Tools
Electric Distribution System Otis ANGB

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

J1.2.3 Electric 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
Electric Distribution System Otis ANGB

Qty	Item	Description	Remarks
1	set	G-Tab electric system utility drawings Manuals and drawings	Located at the electric substation

J1.3 Specific Service Requirements

The service requirements for the Otis ANGB electric distribution system are as defined in the Section C, *Description/Specifications/Work Statement*. The following requirements are specific to the Otis ANGB electric 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.

- New Owner must be able to coordinate with Otis ANGB to provide/isolate a Base-specified building for training purposes and training exercises.

- Electric meter reading must be coordinated with electric commodity supplier, currently Nstar. Meter reading will be supplied to Otis ANGB contracting officer by the 5th of each month.
- The Contractor shall coordinate any changes to the street lights or security lights that they may effect blackout procedures during government operations (C9.8) with the Otis ANGB Civil Engineer.
- The Contractor shall enter into a Memorandum of Understanding with the Otis ANGB Fire Department for fire protection of all facilities (substation) included in the purchase of the utility. The Memorandum of Understanding shall be completed during the transition period and a copy provided to the Contracting officer.
- The Contractor shall abide by Otis ANGB fire protection requirements. The utility system purchased by the Contractor which includes a substation. The substation may or may not include fire alarm systems. Where required by federal, state or local regulations, the Contractor shall maintain the fire alarm system for all facilities owned and operated by the Contractor. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- 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.
- Contractor shall abide by all MMR Cultural Resource Area Performance Standards and Environmental Performance Implementation Cantonment Area Standards.

J1.4 Current Service Arrangement

Otis ANGB currently receives power (commodity supply) from N Star. The 2002 annual electric power consumption at Otis ANBG was approximately 27,100 kilowatt-hours (kWh), with a maximum monthly consumption of 5,200 kWh during the month of August. The average annual power consumption in 2002 was approximately 2,300 kWh. Information on the minimum monthly consumption was not available.

J1.5 Secondary Metering

J1.5.1 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 J1.6 below.

TABLE 5
Existing Secondary Meters
Electric Distribution System Otis ANGB

Agency	Facility	Facility Number	Meter Number
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TABLE 5
Existing Secondary Meters
Electric Distribution System Otis ANGB

Agency	Facility	Facility Number	Meter Number
253D	Combat Communications Facility	330	3991423
253D	Combat Communications Facility	330	49232870
253D	Combat Communications Warehouse	430	39905264
253D	Combat Communications Trailer	330	49257260
253D	Combat Communications Mobile Trailers	330	49257259
AFCL	Fog Dispersal	2410	25062115
AGRIC	Dept of Agriculture (Administration)	1398	61880085
AGRIC	Dept of Agriculture (Maintenance)	1398	24744373
AGRIC	Dept of Agriculture (Green House)	980	20944705
ANG	Substation EFA	Substation	36035559
ANG	Substation NF	Substation	35477476
ANG	Substation Main #1	Substation	36035552
ANG	Substation Main #2	Substation	36035566
ANG	BMX Track (New)	OBMX1	69552897
ANG	Substation-EF-1	SUBST	35940748
ANG	Housing Lift	7310	39873715
ANG	Base Comm	104	35477496
ANG	Engine Buildup	156	36122893
ANG	102D HQS	158	36146452
ANG	Sewer Pumping Station (New)	7161	36122930
ANG	PMEL	162	33006102
ANG	Base OPS	165	78926395
ANG	POL	171	39780715
ANG	ANG Ammunition Storage	189	36122897
ANG	Nose Dock	192	35692696
ANG	Fuels Test Cell	196	71502737
ANG	CE Prime Beef Team Site Civil Air Patrol	3136	72211465
ANG	ENV Health Center Facility 3137	3137	34916527
ANG	202nd Weather FI	3138	59326551
ANG	Base Gym	4180	38656911
ANG	Barracks AF	5236	50861601
ANG	Barracks AF	5238	50861602
ANG	N.E. Telephone Facility	5696	79507000
ANG	Motor Pool Administration	753	39895816
ANG	Motor Pool Maintenance	754	39914425

TABLE 5
Existing Secondary Meters
Electric Distribution System Otis ANGB

Agency	Facility	Facility Number	Meter Number
ANG	CE Sheet Metal Shop	929	62171555
ANG	CE Warehouse	970	61937748
ANG	Base Civil Engineering	971	35945532
ANG	BMX Track #2	Pole	69514269
ANG	Lift Station Norstad	7307	35945512
ANG	VA Storage Facility near Fire Station	3756	73152304
ANG	Medical Training Facility	149	39913643
ANG	Composting Facility	799	39895815
ANG	Water and Waste	3255	39892723
ANG	Mess Hall	159	39914408
ANG	ANG Ammunition Storage	186	39905294
ANG	Alert Cell	175	39905261
ANG	Civilian Personnel	197	39905292
ANG	AGE	191	39892726
ANG	Kennedy Compound	110	34916528
ANG	POL Trailers	31950	50239501
ANG	J Well	3002	49262161
ARMY	Pave Paws Ceramics Shop	3436	79727967
ARMY	Army Munitions Maintenance	128	17969265
ARMY	Army Facility	1017	36245622
ARMY	Army Facilities 1026 and 1031	1026	35665927
ARMY	Army Area #W5	1200	38656910
ARMY	Army Area #W6	1200	38656912
ARMY	Army Area #W9	1200	38656914
ARMY	Army Mess Hall	1200	35905009
ARMY	Army Chapel	1201	38310459
ARMY	1200 Area 1203, 04, 12, 13, 14	1203	38656913
ARMY	Salvage Yard	1747	74758430
ARMY	Army Administration	1805	36245618
ARMY	Army Carpenter Shop	2808	62181136
ARMY	Army Storage	3142	36245621
ARMY	Army Storage	3144	36245616
ARMY	Army Warehouse	3413	87360110
ARMY	Army Site – Gaffney North	3596	35945513
ARMY	Army Billeting	5218	39682094

TABLE 5
Existing Secondary Meters
Electric Distribution System Otis ANGB

Agency	Facility	Facility Number	Meter Number
ARMY	Main Substation #SF/1	Substation	35477494
ARMY	Army Range Area	Pole	37150389
ARMY	BOMARC Primary	Pole	35391918
ARMY	Mess Hall	1206	62158343
ARMY	26 Aviation Pole	2816	352391917
ARMY	Army Warehouse	3435	70308744
ARMY	Army Warehouse	3434	70298001
ARMY	Army Warehouse	3435	73139276
ARMY	Lighting Vault Nov Pad	132	46352760
ARMY	Lighting Vault Mike Pad	132	46352759
ARMY	ODGEN Trailers Connery	565	79547409
ARMY	ODGEN Trailers Connery	567	66112012
ATA	Eagles Next	306	39895817
BBP	Buzzards Bay Project	599	55418875
FAA	FAA Rapcon	130	34928010
FAA	FAA Rapcon	3155	54416800
FAA	FAA	201	35945531
FAA	Communication Receiver	597	55496749
FAA	FAA Radar Site	650	49257177
IRP	IRP Facility 322	322	37497626
IRP	Jacob's Trailer 318B	318B	11334156
IRP	IRP Trailer 510	510	94334664
IRP	Facility 1146 USGS	1146	69611118
IRP	CS-10 Near Fallmouth Gat		55435505
IRP	CH2M HILL Trailer 505	505	57181157
IRP	IRA Pump and Treat CS-4	3390	38367950
IRP	Jacob's Trailer 318E	318E	66312121
IRP	Jacob's Trailer West Truck Road	1748A	93776670
IRP	Jacob's Trailer West Truck Road	1748C	88016712
IRP	Jacob's Trailer 318C	318C	93776658
IRP	Jacob's Trailer 318D	318D	55496791
IRP	EW9 Simpkin's Truck Road, CS-10	EW9	80194961
IRP	EPA Trailer 537	537	13992144
IRP	EW4 CS-10	HF 2	58221907
IRP	EW6 CS-10 Pole #W9	OBASE	58221910

TABLE 5
Existing Secondary Meters
Electric Distribution System Otis ANGB

Agency	Facility	Facility Number	Meter Number
IRP	EW7 Weaver/Lee Road CS-10	OBASE	55439680
IRP	EW10 Connery Avenue Rotary CS-10	OBASE	80194960
IRP	Jacob's Trailer 318A	318A	98130374
IRP	Jacob's Trailer 318A	318A	98130379
IRP	Jacob's Trailer West Truck Road	1748A	98130375
IRP	Jacob's Trailer West Truck Road	1748B	82568674
IRP	Jacob's Trailer West Truck Road	1748C	69542653
IRP	Enviro Chemical Corp-ECC	558	52669634
IRP	Envirotech Old FT-1 Site	539	57365414
IRP	Robert Ivy's Office	563	69750707
IRP	Envirotech Old FT-1 Site	539	76194350
IRP	SD-5	562	49249560
IRP	SD-5 (70%ARE/30%AIR)	561	49249561
IRP	Severn Trent Mobile Laboratory	571	90679203
IRP	Foster/Wheeler	564	69541903
IRP	EW3 Meter Pole 521C CS10	OBASE	55439678
IRP	ECC Trailer at Lingley Gate	ECCT1	21241536
IRP	EW2 Pole #W15/5		58221909
IRP	Environmental Chemical Corp-ECC	539	95437055
IRP	Lawrence Lynch Trailer		98130383
IRP	ECC Trailer Beside Facility 561	561A	21069364
MMA	Mass. Maritime Academy	770	22556874
SCHOOL	Stone School	5400	21028474
SCHOOL	Memorial School	5500	21028476
SCHOOL	Lyle School	5700	18800339
SEMASS	Transfer Station Bill Tenants?	33001	79175971
SQM	SQM Headquarters	102	35905000
SQM	SQM Storage	3134	36245620
SQM OR	Comm. OF Mass SVC Center	9001	98130377
SQM OR	Comm. OF Mass SVC Center	9002	95957476
USCG	Handball Court	3353	30912673
USCG	USCG Chapel	1004	38310457
USCG	USCG Facility	1015	36245619
USCG	C.G. Picnic Area	3156	19747037
USCG	B Well	3302	55475549
USCG	Golf Course Maintenance	3350	34664110

TABLE 5
Existing Secondary Meters
Electric Distribution System Otis ANGB

Agency	Facility	Facility Number	Meter Number
USCG	Golf Club	3352	39922170
USCG	USCG Warehouse	3424	72211468
USCG	Coast Guard Maintenance	3456	33156817
USCG	Coast Guard Telco	3458	45726373
USCG	Base Theatre	5219	23285535
USCG	Hospital Feeder	Substation	35600668
USCG	Housing Feeder	Substation	36035565
USCG	Commissary	3437	35905008
USCG	Bottle Redemption Facility	3437A	17346722
USCG	Gas Station 3 in 1	5202	35663924
USCG	BX Office	5203	62254849
USCG	Coast Guard Antenna Bravo Taxi	OBASE	61814497
USCG	Golf Cart Garage	3354	55496732

J1.5.2 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 J1.6 below.

TABLE 6
New Secondary Meters
Electric Distribution System Otis ANGB

Meter Location	Meter Description
There are no required new secondary meters for the system to be privatized.	

J1.6 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:

Name: 102nd 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 25th of each month for the previous month. Outage reports shall be submitted to:

Name: 102nd 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 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:

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

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:

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

J1.7 Energy Saving Projects

IAW Paragraph C.3, Requirement, the following projects have been implemented on the distribution system by the Government for energy conservation purposes.

- There are no energy savings projects for the system to be privatized

J1.8 Service Area

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

J1.9 Off-Installation Sites

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

J1.10 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
Electric Distribution System Otis ANGB

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

J1.11 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 Otis ANGB electric distribution system. If the 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 AB](#).

TABLE 8
System Deficiencies
Electric Distribution System Otis ANGB

Project Location	Project Description
There are no government-recognized system deficiencies for the system to be privatized.	