

**WORKLOAD**

**19. WORKLOAD ESTIMATES**

**19.1. ESTIMATED SUMMARY OF UTILITY SYSTEMS MAINTAINED**

<b>AREAS</b>	<b>Length of Distribution Lines</b>
Overhead primary	3900 ft
Overhead secondary	33,000 ft
Underground secondary	388,900 ft
Water	433,264 LF
Waste Water	366,724 LF
Gas	321,572 LF
High Pressure Gas Line	13 Miles Off Base

**19.2. Utility Distribution System, Real Property and RPIE Maintenance, Repair, Alterations, and Operations**

19.2.1. Recurring Work items, Direct Scheduled Work Orders

<b>Shop</b>	<b>Emergency</b>	<b>Urgent</b>	<b>Routine</b>	<b>Work Orders</b>
<b>Electrical</b>				
FY01	22	183	288	5
FY02	4	171	301	18
<b>Utilities</b>				
FY01	18	126	245	12
FY02	5	166	560	15

Notes:

1. Operations includes work that is continuous in nature; i.e. critical equipment operations checks, etc.
2. Electrical includes Base Exterior Electrical Distribution with associated lighting, Traffic Signals, and Generators
3. Utilities includes Water, Waste Water and Natural Gas Distribution Systems

19.2.2. Fire Hydrant Flow Test Workload. Services include obtaining static, residual, and pitot pressure readings and performing routine maintenance to include cleaning, inspecting, and lubricating hydrants

<b>Location</b>	<b>Description</b>	<b>Frequency</b>
Oak Park, Pine Haven, & Harrison Court	Fire Hydrant	Annual
Bay Ridge, Shadow Lawn, & Maltby Hall	Fire Hydrant	Annual
East & West Falcon	Fire Hydrant	Annual

<b>Location</b>	<b>Description</b>	<b>Frequency</b>
Thower Park	Fire Hydrant	Annual
Zone 1	Fire Hydrant	Annual
Zone 2	Fire Hydrant	Annual
Zone 3	Fire Hydrant	Annual
Zone 4	Fire Hydrant	Annual

19.2.3. Sanitary Sewer Flushing Workload. Services include flushing of sanitary lines with sewer cleaning truck.

<b>Site</b>	<b>Location</b>	<b>Frequency</b>
KAFB	Thower Park, East & West Falcon	Annual
KAFB	Bayridge, Maltby Hall & Shadow Lawn	Annual
KAFB	Harrison Court	Annual
KAFB	Oak Park	Annual
KAFB	Pine Lawn	Annual
KAFB	Zone 4	Annual
KAFB	Zone 3	Annual
KAFB	Zone 2	Annual
KAFB	Zone 1	Annual

19.2.4. Water Main Valve and Gas Main Valve Workload. Services include exercising and marking of water main valves and gas main valves.

<b>Location</b>	<b>Description</b>	<b>Frequency</b>
Zone 3	Gas Valve	Quarterly & Semi-Annual
E & W Falcon & Thower Park	Gas Valves	Quarterly & Semi-Annual
Bayridge, Shadow Lawn, & Maltby Hall	Gas Valves	Quarterly & Semi Annual
Zone 2	Gas Valves	Quarterly & Semi Annual
Zone 1	Gas Valves	Quarterly & Semi Annual
Oak Park, Pine Haven, & Harrison Court	Gas Valves	Quarterly & Semi Annual
Zone 4	Gas Valves	Quarterly & Semi Annual
East & West Falcon, & Thower Park	Gate Valves	Semi Annual
Bayridge, Shadow Lawn, & Maltby Hall	Gate Valves	Semi Annual
Oak Park Pine Haven & Harrison Court	Gate Valves	Semi Annual
Zone 3	Gate Valves	Semi Annual
Zone 1	Gate Valves	Semi Annual
Zone 2	Gate Valves	Semi Annual
Zone 4	Gate Valves	Semi Annual

19.2.5. Water Meter Reading Workload. Read and inspect monthly

FACILITY	METER NAME	QUANTITY
1401	CREDIT UNION	1
2221	NCO CLUB	1
2302	NEW BASE EXCHANGE	1
6727	GOLF COURSE POND	2

19.2.6. Natural Gas Equipment Workload. Services include checking for leaks and proper operation. Also included is inspecting and testing valves, meters, and regulators.

Bldg	Location	Description	Frequency of Inspection
8524	West of 5452	Meter Pos.	Semi-Annual
8524	Inside Bldg 1001	Meter Pos.	Semi-Annual
8524	370 N. W. 107 Polk	Regulator	Quarterly
8524	100 W. 402 Rodenburg	Regulator	Quarterly
8524	370 N. W. 107 Polk	Regulator	Quarterly
8524	100 W. 402 Rodenburg	Regulator	Quarterly
8524	230 N. W. 230 Foullos Drive	Regulator	Quarterly
8524	Basewide230 N. W. 230 Foullos Drive	Regulator	Quarterly
8524	Building 409	Regulator	Quarterly
8524	Building 409	Regulator	Quarterly
8524	Building 4102	Regulator	Quarterly
308	Outside Front Side	Regulator	Annual
823	Outside North	Regulator	Annual
904	Outside building	Regulator	Annual
1002	Outside Building	Regulator	Annual
1101	Outside Building	Regulator	Annual
1917	Outside Building	Regulator	Annual
2801	Outside Building	Regulator	Annual
2816	Outside Building	Regulator	Annual
3902	Outside Building	Regulator	Annual
3903	Outside Building	Regulator	Annual
4421	Outside Building	Regulator	Annual
4422	Outside Building	Regulator	Annual
4423	Outside Building	Regulator	Annual
4430	Outside Building	Regulator	Annual

Bldg	Location	Description	Frequency of Inspection
4705	Outside Building	Regulator	Annual
6801	Outside Building	Regulator	Annual
6802	Outside Building	Regulator	Annual

19.2.7. Gas Meter Reading Workload. Read and inspect monthly.

FACILITY	METER NAME	QUANTITY
G-MAIN	MAINBASE	1
233	SQUAD OPS	1
412	MED. COMMAND & ADMIN.	1
414	FISHER HOUSE	1
460	HOS. BOILER PLANT	1
824	DENTAL CLINIC	1
904	RES FORCES OPL TNG	1
1002	COMPUTER TRAINING	1
1101	COMM. SQUADRON	1
1203	GAUDE LANES	1
1504	Main Gas Station	1
1505	BANK OF MISS	1
1704	PACKAGE STORE	1
2001	DINING HALL	1
2002	DORM	1
2003	DORM	1
2004	DORM	1
2221	NCO CLUB	1
2222	Mcbribe Library	1
2302	NEW BASE EXCHANGE	1
2503	G2503	1
2504	G2504	1
2505	G2505	1
2602	ACAD DEVELOPMENT CENTER	1
3200	OFFICERS CLUB	1
3401	COMMISSARY	1
3821	SHAW HOUSE	1
3823	SIMMONS MANOR	1
4101	STEAM PLANT	1
4120	SUB SHOP 1	1

FACILITY	METER NAME	QUANTITY
4263	NDI LAB	1
4332	WEATHER TNG. FACILITY	1
4705	CES	1
4811	DORM	1
4811	LAUNDRY	1
4812	PECAN DINING HALL	1
4813	DORM	1
4813	LAUNDRY 4813	1
4815	DORM	1
4815	LAUNDRY 4815	1
4817	DORM	1
4817	LAUNDRY 4817	1
4904	DORM	1
4904	LAUNDRY 4904	1
4906	DORM	1
4906	LAUNDRY 4906	1
4908	DORM	1
4908	LAUNDRY4908	1
4910	DORM	1
4910	LAUNDRY4910	1
5020	DORM	1
5020	LAUNDRY5020	1
5022	DORM	1
5022	LAUNDRY5022	1
5024	DORMS	1
5024	LAUNDRY5024	1
5025	DORM	1
5025	LAUNDRY5025	1
5720	TLF	1
5725	TLF	1
5730	TLF	1
5735	TLF	1
5740	TLF	1
5745	TLF	1
6727	GOLF COURSE	1
6950	TRIANGLE DORM	1
6955	TRIANGLE DORM	1

FACILITY	METER NAME	QUANTITY
6960	Triangle Dining Facility	1
6965	TRIANGLE DORM-FOSTER MANOR	1
7310	TRIANGLE DORM	1
7315	TRIANGLE DORM	1
7320	TRIANGLE DORM	1
7404	TRIANGLE DORM-WINTERS MANOR	1
7407	MINI MALL	1
7408	WELCH THEATER	1
7409	TRI DINING FACILITY	1
7704	ELECTRONIC CHECK OUT FACILITY	1
MFH	HARRISON COURT MFH	1
MFH	THROWER PARK-MFH	1

## 19.2.8. ELECTRICAL Equipment on Keesler AFB (KAFB) \*

COMPONANT	RATING	QUANTITY	UNIT
<b>DISTRIBUTION EQUIPMENT:</b>			
Primary UG 3ph, 3w,25KV	500MCM	170,533	LF
Primary UG 3ph, 3w,25KV	#4/0	36,717	LF
Primary UG 3ph, 3w,25KV , 1ph, 1w,25KV	1/0	341,208	LF
Manholes, precast	6'x7'	152	EA
Switch 4way SF-6 insulation 25KV	600A	79	EA
Switch 4way Air insulation 25KV	200A	8	EA
Sectionalizing Pedestal 3phase 3-4 way	200A	189	EA
Primary Metering enclosures	200A	9	EA
Transformer	25 KVA	43	EA
Transformer	37.5 KVA	11	EA
Transformer	45 KVA	19	EA
Transformer	50KVA	101	EA
Transformer	75 KVA	49	EA
Transformer	100 KVA	93	EA
Transformer	112.5 KVA	16	EA
Transformer	150 KVA	29	EA
Transformer	225 KVA	24	EA
Transformer	300 KVA	23	EA
Transformer	500KVA	52	EA
Transformer	750 KVA	13	EA
Transformer	1000 KVA	10	EA
Transformer	1500 KVA	6	EA
Transformer	2500 KVA	2	EA

COMPONANT	RATING	QUANTITY	UNIT
Transformer pole mount	167KVA	3	EA
Transformer pole mount	100KVA	3	EA
Transformer pole mount	75KVA	7	EA
Transformer pole mount	50KVA	9	EA
Transformer pole mount	37.5KVA	9	EA
Transformer pole mount	25KVA	8	EA
<b>SUBSTATION 115KV:</b>			
Switch SF-6 puffer 115 KV	1200A	2	EA
Switch 25kv Air	2000A	2	EA
Auto Tap Changer Transformer 115KV-23KV	30/40/50MVA	2	EA
Transformer 25 KV-120/240V	25 KVA	2	EA
Arrestors	76 KV	6	EA
Circuit Breaker 25 KV	2000A	3	EA
Circuit Breaker 25 KV	1200A	12	EA
Bypass Switch 25KV	1200A	12	EA
Relays, (ABB)	50/51-50G/51G	14	EA
Relays, (SWEITZER)	50/51-50G/51G 86 87T	2	EA
Panel		1	EA
3 stage Capacitor Bank & Controller	2.1/4.2/6.6 MVAR	2	EA
Transfer Switch 600v	400A	1	EA
Panel DC		1	EA
Battery Rack		1	EA
<b>SUBSTATION BLDG 0468</b>			
Transformer 23KV - 4160	7.5/8.4 MVA	2	EA
Circuit Breaker 38 KV	2000A	2	EA
Circuit Breaker 5 KV	2000A	3	EA
Circuit Breaker 5 KV	1200A	4	EA
Bypass Switch 25KV			
Relays, (ITE)	50/51	8	EA
Relays (ITE)	51N	6	EA
Relay (GE)	87	2	EA
Panel		1	EA
Transfer Switch 600v	400A	1	EA
Battery Rack		1	EA
<b>LIGHTING ANCILLARY EQUIPMENT</b>			
Lighting Pedestal		68	EA
Lighting Conductors	#10 -#6	829,000	LF

\* Rough order of magnitude estimates based upon existing conditions and design drawings. Quantities are assumed to be approximate for workload estimating purposes only . The

government shall not be liable for additional costs associated with errors or omissions from this list of equipment. The contractors shall field verify existing conditions and review library maps to determine the actual quantities of installed equipment.

#### 19.2.9 Electrical Equipment Lighting poles/fixtures\*

<b>MAINBASE/ HOUSING</b>	<b>POLE TYPE</b>	<b># OF LIGHTS /LAMPS</b>	<b>WATT/VOLT</b>	<b>Frequency</b>
Street/ Parking Lot	Concrete /Metal	1849	70 – 400W 120V - 480V	Monthly
Gate One	Steel/2	4	400W MH 120V	Monthly
Gate Two	Steel/2	3	400W HPS 120V	Monthly
Gate Three	Steel/4	8	400W HPS 240V	Monthly
Static Displays	NONE	31	70-250W 120-208V	Monthly
Aircraft Parking Ramp	STEEL	41	1000 HPS/208V	Monthly
Youth Ball field #1 (North)	Concrete	20	1000W MH 240 V	Seasonally By DSW & W/O
Youth Ball Field #2 (South)	Concrete	20	1000W MH 240 V	Seasonally By DSW & W/O
Softball Field #4 Triangle	Wood	26	1500W MH 240 V	Seasonally By DSW & W/O
Softball Field #5 Triangle	Wood	25	1500W MH 240 V	Seasonally By DSW & W/O
Softball Field #9 Block 19	Concrete	30	1500W MH 240 V	Seasonally By DSW & W/O
Soccer Field (BLOCK 16)	Concrete	88	1500W MH 480 V	Seasonally By DSW & W/O
Meadows Ave. (BLOCK 60) Tennis Court	Metal	20	1000W MH 240V	Seasonally By DSW & W/O
Triangle (BLOCK 69) Tennis Court	Wood Metal	7 4	1500W MH 240V	Seasonally By DSW & W/O
Golf Course Driving Range	Concrete	14	1000W MH 240V	Seasonally By DSW & W/O
Practice Putting Green	Wood	1	1000W MH 240V	Seasonally By DSW & W/O
Practice Tee and Green	Metal	4	1000W MH 208V	Seasonally By DSW & W/O

MAINBASE/ HOUSING	POLE TYPE	# OF LIGHTS /LAMPS	WATT/VOLT	Frequency
Golf Course Driving Range	Wood	4	1000W MERC 240V	Seasonally By DSW & W/O
Practice Putting Green	Aluminum	6	1000W MERC 208V	Seasonally By DSW & W/O
Swimming Pool Golf Course	Metal	10	500W Incandescent/ 208V	Seasonally By DSW & W/O
Swimming Pool Triangle	Metal	14	400W HPS 120V	Seasonally By DSW & W/O
Swimming Pool Meadows	Metal	10	500W Incandescent/ 208V	Seasonally By DSW & W/O
Swimming Pool Youth Center	Metal	8	500W Incandescent/ 208V	Seasonally By DSW & W/O

\* Rough order of magnitude estimates based upon existing conditions and design drawings. Quantities are assumed to be approximate for workload estimating purposes only. The government shall not be liable for additional costs associated with errors or omissions from this list of equipment. The contractors shall field verify existing conditions and review library maps to determine the actual quantities of installed equipment.

#### 19.2.10. Generators/required inspections :

Facility	kW Rating	Manufacturer	W	S/M	M	Q	S/A	A
201	25	ONAN		X	X		X	X
220	20	ONAN		X	X		X	X
223	25	ONAN		X	X		X	X
229	100	ONAN		X	X		X	X
233	50	ONAN		X	X		X	X
241	7.5	ONAN		X	X		X	X
402	500	KOHLER		X	X		X	X
402	500	KOHLER		X	X		X	X
402	500	KOHLER		X	X		X	X
404	360	DETROIT		X	X		X	X

Facility	kW Rating	Manufacturer	W	S/M	M	Q	S/A	A
409	200	SCANIA		X	X		X	X
468	200	SCANIA	X		X		X	X
468	200	SCANIA	X		X		X	X
468	200	SCANIA	X		X		X	X
468	200	SCANIA	X		X		X	X
468	1000	WAUKESHA	X		X		X	X
468	1000	WAUKESHA	X		X		X	X
468	1000	WAUKESHA	X		X		X	X
1002	15	KOHLER		X	X		X	X
1101	275	CAT		X	X		X	X
1928	15	ONAN		X	X		X	X
2121	125	ONAN		X	X		X	X
2801	250	ONAN		X	X		X	X
3101	40	MAGNETEK		X	X		X	X
3401	35	ONAN		X	X		X	X
3501	45	PERKINS		X	X		X	X
3902	450	CUMMINS		X	X		X	X
3902	450	CUMMINS		X	X		X	X
3902	6	ONAN (DP)				X		X
3902	4	ONAN (Utilities)				X		X
3902	7.5	VERTEX		X	X		X	X
3902	7.5	VERTEX		X	X		X	X
3902	7.5	VERTEX		X	X		X	X
3902	7.5	VERTEX		X	X		X	X
3902	7.5	VERTEX		X	X		X	X
3902	5	ONAN (HR Vert)		X	X		X	X
3902	100	ONAN		X	X		X	X
4038	20	ONAN		X	X		X	X
4101	50	ONAN		X	X		X	X

Facility	kW Rating	Manufacturer	W	S/M	M	Q	S/A	A
4116	15	ONAN		X	X		X	X
4205	230	ONAN		X	X		X	X
4209	250	CAT		X	X		X	X
4227	60	ONAN		X	X		X	X
4261	200	ONAN		X	X		X	X
4330	20	ONAN		X	X		X	X
4330	60	ONAN		X	X		X	X
4331	35	ONAN		X	X		X	X
4410	80	PERKINS		X	X		X	X
4705	250	ONAN		X	X		X	X
5458	30	ONAN		X	X		X	X
6009	275	ONAN		X	X		X	X
6602	150	KOHLER		X	X		X	X
6642	80	ONAN		X	X		X	X
6653	30	ONAN		X	X		X	X
6655	20	ONAN		X	X		X	X
6750	20	ONAN		X	X		X	X
6901	80	ONAN		X	X		X	X
6902	80	KOHLER		X	X		X	X
6960	200	KOHLER		X	X		X	X
7201	100	KOHLER		X	X		X	X
7301	125	ONAN		X	X		X	X
7409	450	CUMMINS		X	X		X	X
7605	20	ONAN		X	X		X	X
7721	275	ONAN		X	X		X	X
9063	50	ONAN		X	X		X	X
9160	275	ONAN		X	X		X	X
1166 3	25	ONAN		X	X		X	X
4424	100	MEP		X	X		X	X
2818	60	MEP		X	X		X	X

Facility	kW Rating	Manufacturer	W	S/M	M	Q	S/A	A
2818	100	MEP		X	X		X	X
4430	60	MEP		X	X		X	X
4905	60	MEP		X	X		X	X
4812	200	MEP		X	X		X	X
902	15	MEP		X	X		X	X
4258	15	MEP		X	X		X	X
3902	6	Flood Light		X	X		X	X
3902	10	MEP		X	X		X	X
3902	10	MEP		X	X		X	X

Note: W = Weekly, S/M = Semi-Monthly, M = Monthly, Q = Quarterly  
S/A = Semi-Annual, A = Annual

19.2.11. Electrical kW Meters (KAFB). Read and inspect monthly.

Facility / Location	METER NAME	Quantity
223	RESERVE FORCES OPI TNG	1
223	SQUAD OPS	1
234	AERO MED. STG. FACILITY	1
308	CHILD DEVELOPMENT CENTER	1
337	MWR FAMILY CAMP	10
404	SC LAB MED	1
408	MEDICAL FOOD INSPECTIONS	1
412	MED. COMMAND & ADMIN.	1
414	FISHER HOUSE	1
416	CLINICAL RESEARCH	1
420	ENVIRONMENTAL ENGINEERING	1
468	KMC - BY EMERGENCY ROOM	1
468	KEESLER MEDICAL CENTER	2
612	WATER WELL 3	1
701	SABLICH CENTER	2
824	DENTAL CLINIC	1
1002	COMPUTER TRAINING	1
1101	COMM. SQUADRON	2
1166	LIFT STATION OAK PARK	1
1203	GAUDE LANES	1
1401	CREDIT UNION	1

<b>Facility / Location</b>	<b>METER NAME</b>	<b>Quantity</b>
1504	BX GAS STATION	1
1504	VENDING SHED FOR GAS STA.	1
1505	BANK OF MISS	1
1604	SOCKER FIELD	1
1704	PACKAGE STORE	1
1901	BALL FIELD	1
1917	DOLAND HALL	1
2001	DINING HALL	1
2002	DORM	1
2004	DORM	1
2101	NORTH TRANS MUSE MANOR	1
2101	SOUTH TRANS MUSE MANOR	1
2101	VENDING SHED NORTHSIDE	1
2101	VENDING SHED SOUTHSIDE	1
2221	NCO CLUB	1
2222	Mcbride Library	1
2302	NEW BASE EXCHANGE	1
2302	SATELLITE PHARMACY	1
2503	7 LEVEL DORMS	1
2504	7 LEVEL DORMS	1
2505	7 LEVEL DORMS	1
2801	HEADQUARTERS FAC	1
2818	MCCLELLEN HALL	1
2901	NCO ACADEMY	1
J0007	THROWER PARK	1
J0043	ROICC OFFICE	1
J0220	LIFT STATION MFH THROWER PARK	1
3101	LOCKER HOUSE	1
3101	LOCKER HOUSE VENDING	1
3200	OFFICERS CLUB	1
3217	NAF Resale Store	1
3401	COMMISSARY	1
3501	81 SECURITY FORCES	1
3821	SHAW HOUSE	1
3823	SIMMONS MANOR	1
3902	CES SNACK BAR	1
3967	WATER PUMP STA. NO.9	1
4004	RECYCLE CENTER	1

<b>Facility / Location</b>	<b>METER NAME</b>	<b>Quantity</b>
4101	STEAM PLANT	1
4104	WELLNESS CENTER 4104	1
4106	TARPON GYM	1
4108	FLT SIMULATOR TNG	1
4121	CHILLER PLANT	1
4200	HANGER 1	1
4202	VENDING SHED	1
4203	HANGAR 3	4
4205	RES FORCES OPL TNG	1
4206	CHILLER PLANT	1
4218	STEAM PLANT	1
4229	VENDING SHED	1
4263	NDI LAB	1
4269	PUMP STA.	1
4272	TEST STAND	1
4275	TAC FLIGHT LINE SHACK	1
4301	MAINTENANCE BLDG	1
4309	A/C PLANT	1
4329	7 LEVEL CLASS ROOM	1
4330	WOLF HALL	1
4331	VENDING SHED	2
4332	WEATHER TNG. FACILITY	1
4407	POL AREA	1
4410	PETROLEUM OPS	1
4420	HAZARD STORAGE FAC.	1
4423	DRMO	1
4424	FUEL YARD	1
4430	VEHICLE MAINT	1
4431	VEHICLE OPS	1
4435	PMEL	1
4503	AAFES Maint Shop	1
4435	PMEL	1
4514	WAREHOUSE TROOP SUBSIS.	1
4605	BASE CONTRACTING	3
4617	MAIN GATE GUARD SHACK	1
4705	CES	1
4803	A/C PLANT	1
4811	DORM	1

<b>Facility / Location</b>	<b>METER NAME</b>	<b>Quantity</b>
4812	PECAN DINING HALL	1
4813	DORM	1
4818	BX ADMIN. OFFICE	1
4904	DORM	1
4906	DORM	2
4910	DORM	1
5020	DORM	2
5022	DORM	1
5024	DORM	1
5025	DORM	1
5458	LIFT STATION	1
5709	POOL AND BATH HOUSE	1
5725	TLF	1
5740	TLF	1
5901	MEDICAL BUILDING	1
5901	MWR LAUNDRY	1
5904	ARTS AND CRAFTS HOBBY SHOP	1
6005	AUTO HOBBY SHOP	1
6009	WELL 8	1
6017	TENNIS COURT VENDING SHED	1
6602	LIFT STATION	1
6614	MWR SUP/NAF STOR.	1
6642	SAN SEWER PUMP STA.	1
6642	PUMP BLDG	1
6643	GOLF COURSE GROUNDS MAINT	1
6653	RADAR TMTR BLDG	1
6727	GOLF COURSE CLUB HOUSE/SNACK BAR	1
6728	MARINA	1
6728	MARINA GAS PUMP	1
6728	MARINA SEWER LIFT STATION	1
6728	MARINA PIER	3
6731	GOLF COURSE POOL	1
6744	GOLF COURSE CART BLDG	1
6901	BRYAN HALL	2
6901	BRYAN HALL VENDING SHED	1
6902	JONES HALL	2
6903	HEWES HALL	1
6903	HEWS HALL VENDING SHED	1

<b>Facility / Location</b>	<b>METER NAME</b>	<b>Quantity</b>
6918	GARRARD HALL	1
6950	TRIANGLE DORM	1
6955	TRIANGLE DORM	1
6960	New Triangle Dining Facility	1
6965	TRIANGLE DORM	1
7404	TRIANGLE DORM	1
7202	TNG DORM	1
7301	WATER WELL 10	1
7310	TRIANGLE -FISH BOWEL	1
7405	A/C PLANT TRIANGLE	3
7407	MINI MALL	1
7408	WELCH THEATER	1
7409	TRIANGLE DINNING FACILITY 7409	1
7501	WATER WELL 11	1
7502	TNG DORM	1
7503	HALFTIME CAFE	2
7504	MWR TRIANGLE GYM	1
7514	SOFT BALL FIELDS 7509-7508	1
7701	MALTBY HALL	1
7702	MATBY ANNEX-2	1
7704	ELECTRONIC CHECK OUT FACILITY	1
7720	WELL 13	1
9063	LIFT STATION	1
Bell South	BELL SOUTH TELEPHONE	1
Cable One	CABLE ONE	13
MFH	MFH BAYRIDGE-1	1
MFH	MFH BAYRIDGE	1
MFH	MFH EAST FALCON	1
MFH	MFH WEST FALCON	1
MFH	MFH MALTBAY	1
MFH	OAK PARK MFH	1
MFH	OAK PARK MFH	1
MFH	MFH NEW SOUTH PINE HAVEN	1
MFH	PINEHAVEN SOUTH MFH	1
MFH	THROWER PARK	1

19.2.12. Cathodic System (KAFB).

Fac	Description	Location	Frequency
1923	Cathodic Protection	Water Tower	Monthly
3524	Cathodic Protection	Water Tower	Monthly
6015	Cathodic Protection	Water Tower	Monthly
7305	Cathodic Protection	Water Tower	Monthly
7718	Cathodic Protection	Water Tower	Monthly
623	Cathodic Protection Impressed	Water Tower	Monthly
4205	Cathodic Protection	Water Tanks Hanger #5	Monthly
8524	Cathodic Protection Impressed	Main Gas line 8 inch.	Monthly
12	CPS Anode Thrower Park	Thrower Park 4 test points	Quarterly

19.2.13. Perform Inspection of Lightning and grounding Systems (KAFB).

FACILITY	ACTION REQUIRED	FREQUENCY OF INSPECTION
EXTERIOR ELECTRICAL DISTRIBUTION	Visual inspection of equipment, pole grounds and primary neutrals	2 years
ELECTRICAL SUBSTATION	Resistance check of grounding grid must be under 5 ohms	5 years

19.2.14. Base Traffic Lights:

Location	Type	Description
Larcher and Meadows Drive	Eagle Signal EPAC 300 8 phase controller in a 4 phase cabinet	four sets of lights serving 8 lanes
Larcher and L Street	Eagle Signal EPAC 300 8 phase controller in a 4 phase cabinet	four sets of lights serving 7 lanes

19.3. Energy Management and Control Systems (EMCS)

19.3.1 Reserved for future use

19.3.2 Inspection and Maintenance of EMCS computers:

Location	Type	Description	Inspect, test and maintain
Bldg. 4705 Master Control Room (MCR)	ESUSA /200MHZ Genuine Intel Pentium® II Processor 64 Meg Ram OS 2 Version 4.0 Operating Sys	(1) Perform INET Backup (2) Perform Clock Synchronization of all INET Systems (3) Change System configurations for Daylight Savings Time	(1) Bi-Monthly  (2) Monthly  (3) Annually
EMCS SYSMGR	MICRON Client Pro- 400 Mhz 54 Meg Ram Windows 95 Operating System	Perform INET Backup	Quarterly
EC Shop (/INET User) Dual Boot	MICRON Client Pro-766/ 300MHZ 64 Meg Ram OS 2 Version 4 Operating System; Unity 5.7/Windows 96 Operating System	(1) Transfer past months IMS files to zip drive and delete file from hard drive (2) Perform INET Backup	(1) Monthly  (2)Bi Monthly
EC Shop (INET USER)	MICRON Client Pro-766/ 300MHZ 64 Meg Ram Windows 95 Operating System	(3) Perform INET Backup (4) Perform Clock Synchronization of all INET Systems (5) Change System Configurations for Daylight Savings Time	(3) Bi-Monthly  (4) Monthly  (5) Annually
HVAC	TNC Computer 166 Mhz 32 Meg Ram Windows 95 Operating Systems	Perform INET Backup	Semi-Annually
HVAC	TNC Computer 200 Mhz 32 Meg Ram Windows 95 Operating Systems	Perform INET Backup	Semi-Annually

#### 19.4. ENERGY MANAGEMENT

##### 19.4.1. Manage Energy and Utilities Programs

Description	Estimated Quantity	Frequency of Inspection
Convene Energy Management Steering Group (EMSG)) to implement base energy program and work taskings as directed by Vice Commander.	2	Annual
Develop and update utility resale rates, utility sales agreements	1	Annual
Review Annual Service Contracts	6	Annual

##### 19.4.2. Reduce Energy and Utilities Consumption:

Description	Estimated Quantity	Frequency of Inspection
Prepare energy awareness articles for the base newspaper.	6 Articles	Annual
Provide training to facility managers on energy awareness and their duties to enforce base energy policy.	2	Annual
Manage energy awards program.	1	Annual

19.4.3. Monitor Energy and Utilities Consumption

Description	Estimated Quantity	Frequency of Inspection
Validate utility invoices from providers for payment before penalty date.	6	Monthly
Validate metered facilities are accurately read and recorded, and ensure defective meters are promptly repaired.	See all Meter Workload	Monthly

19.5. Portable Toilet Rental/Maintenance

FACILITY OPERATION SUPPORT SERVICES	Type	QTY	Duration
Firing range, HWY 67	R	2	12 Mos
Ball field, at BLK 26	R	2	Apr – Aug
Keesler Open House	R	75	2 Days
Keesler Open House	H/C	14	2 Days
Special Olympics	R	12	5 Days May
Special Olympics	H/C	4	5 Days May
Miscellaneous	R	124	On Call
Miscellaneous	H/C	14	On Call

Note: “R” is Regular  
“H/C” is handicapped

19.6. EMCS field Equipment

## 19.6.1. Control Systems International (CSI) Panels:

FAC ID	Buildings	DCU's	MRI's	MR's	UCI's	UC's	Points
222	1		1	28			234
223	1	1					37
231	1	3					72
233	1	2					130
242	1	1					
308	1	7	1	23			252
404	1	2					55
408	1	1					33
412	1	1		2			15
470	1						20
621	1	1					
701	1	9					347
823	1	1					20
824	1	5					105
901	1	1					45
902	1	4					112
904	1						24
916	1	1					7
1002	1	7					184
1101	1	6					140
1201	1	6					168
1203	1	3					49
1504	1		1	3			24
1704	1	1					6
1917	1		1	3			28
1921	1	1					7
2001	1	1					13
2002	1	1					31
2003	1	1					29
2004	1	1					29
2101	1	4					80
2121	1	1					7
2221	1	4			1	4	123
2222	1	2					47
25 Block	3	7	4	170			792
2602	1	2			2	43	133
2801	1	4					75

FAC ID	Buildings	DCU's	MRI's	MR's	UCI's	UC's	Points
2804	1	1					19
2816	1	1					16
2818	1	3					109
2901 / 2902	2	2	1	19			70
3101	1	15					164
3200	1	4			1	9	99
3501	1	1					17
3509	1	1					7
3517	1		1	1			10
3709	1	3					45
3821	1	1					26
3823	1	1					17
3913	1		1	3			30
3967							
4106	1	1					46
4116	1	8	3	73			489
4120	1		1	1			9
4121	1	1					45
4201	1	7					220
4202 / 4206	2	17					397
4203	1						141
4204	1						27
4205	1						117
4209	1	2					69
4216	1		1	9			66
4227	1		2	13			121
4263	1	1					17
4301	1	1					32
4309	1	1					44
4329	1	2	1	22			120
4330	1	13			5	129	556
4331	1		2	14			123
4332	1	5					56
4431	1				66	66	11
4435	1	2					32
4513	1	1					13
4605	1	1	1	16			93
4705	1	6					86
4803	1	3					48
4811	1						8
4812	1		1	3			28
4813	1	1					8

FAC ID	Buildings	DCU's	MRI's	MR's	UCI's	UC's	Points
4815	1	2					25
4817	1	1					8
4818	1		1	2			21
4904	1	1					8
4906	1	1					8
4910/4908	2	3					27
5020	1	1					23
5022	1	2					32
5024	1	1					22
5025	1	1					10
5901	1	1			2	33	182
5904	1		1	4			33
6014	1	1					7
6727	1		1	3			30
6734	1		1	2			19
6801	1	1					25
6901	1	15					243
6902	1	7					128
6903	1	7					120
6918	1	4	4	4	10	10	95
6950	1	1	6	244			827
6955	1	1	6	244			827
6960	1	1	1	25			168
6965	1	1	6	244			827
7202	1						
7301	1	1					7
7310	1	9	2	60			321
7402	1	1					23
7404	1	1	6	238			791
7405	1	4					151
7408	1	2					55
7409	1	4					80
7501	1	1					7
7502	1	1	1	12			128
7504	1	1	1	12			128
7701	1	3					84
7704	1	2					56
9063	1	1					8
J0007	1		1	3			27
J0043	1	1					41

19.6.2. York Controls System Facilities 0468 & 0402

<b>FAC ID</b>	<b>Buildings</b>	<b>UDC's</b>	<b># of points</b>
<b>0402</b>	<b>1</b>	<b>1*</b>	<b>150*</b>
<b>0468</b>	<b>1</b>	<b>58*</b>	<b>2350*</b>

\* These Numbers are estimated due to the updating and installation/ modification of equipment.