

**ATTACHMENT J12****Lackland AFB Natural Gas Distribution System****Table of Contents**

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# J12 Lackland AFB Natural Gas Distribution System

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## J12.1 Lackland AFB Overview

Lackland AFB, located approximately 8 miles southwest of downtown San Antonio in Bexar County, Texas, is an Air Education and Training Command (AETC) installation that annually provides basic military training for more than 35,000 recruits entering the USAF, Air National Guard (ANG), and Air Force Reserve (AFR). The Base also hosts professional, technical, and English language training for approximately 36,000 students from all military services. The host command is the 37th Training Wing (37 TRW). The Base also hosts more than 35 tenant units; the primary tenants include:

- 59th Medical Wing, Wilford Hall Medical Center
- Air Force Security Forces Center
- Medina Regional Signal Intelligence (SIGINT) Operations Center
- 76th Munitions Squadron
- 369th Recruiting Group
- Force Protection Battlelab

Lackland AFB occupies 6,725 acres divided into two areas: the main Base occupies 2,752 acres, and the Training Annex, located 1 mile west, occupies 3,973 acres. The Base contains approximately 1,400 buildings totaling over 11 million square feet (sf).<sup>1</sup>

The Base has a total population of approximately 20,000, including military personnel, civilian employees and support personnel, and dependents. In addition, more than 9,000 students are housed at the Base on an average day.

Recent Base Realignment and Closure (BRAC) actions have transferred several missions from Kelly AFB to Lackland AFB. These include Kelly's flightline and its associated missions and facilities, such as the 433rd Military Airlift Wing, the 149th Air National Guard, and HQ Air Intelligence Agency.

Programmed major construction projects include new administrative, training, industrial, and community facilities; new and renovated housing; and utilities alterations/improvements to accommodate the realignment of Kelly AFB. Key projects planned for Lackland AFB will increase the total square footage of buildings on Base by about 4 percent. Key projects programmed for Wilford Hall Medical Center may increase the medical center's total square footage by about 1.2 percent.

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<sup>1</sup> The nonresidential structures include offices, industrial maintenance and repair facilities, and community service facilities (e.g., schools and Wilford Hall Medical Center). The housing units include detached single residences, duplexes, townhouses, student dormitories, and recruit facilities.

## J12.2 Natural Gas Distribution System Description

### J12.2.1 Natural Gas Distribution System Fixed Equipment Inventory

The Lackland AFB natural gas 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, regulators, cathodic protection systems, and meters. The actual inventory of items sold will be established 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 natural gas distribution system privatization are:

- All natural gas utilities on Kelly AFB, including the 433<sup>rd</sup> Military Airlift Wing, the 149<sup>th</sup> Texas Air National Guard, and the HQ Air Intelligence Agency, which will be realigned under Lackland AFB as a part of base closure.

#### J12.2.1.1 Description

Natural gas is supplied to Lackland AFB by City Public Service at a natural gas pressure reduction station (i.e., gate station) located on the south side of the Base near Building 5075. PG&E-Valero also has a gate station that was recently installed as an emergency backup to the City Public Service gate station and is located on the north side of the Base near Building 10175. The PG&E-Valero gate station was installed along with the high-pressure gas line that parallels the northern boundary of the Base and feeds the natural gas turbines at the Lackland Total Energy Plant (TEP) located near Wilford Hall Medical Center. Natural gas is used on the Base to meet space and water heating requirements. There are no natural gas fired air conditioners on Base.

The natural gas utility at the Base primarily has a carbon steel distribution system. The distribution system is operated at two pressures. An outer loop of piping is kept at approximately 50 pounds per square inch gauge (psig). There are 15 regulator stations that lower this pressure to a distribution pressure of approximately 20 psig for the facilities serviced. The dominant carbon steel system has required the installation of 120 impressed-current cathodic protection rectifier stations. These stations are designed to protect the installed carbon steel piping (much of it installed without external corrosion coating) from external corrosion.

Approximately 45 percent of the system piping still in use were installed in the mid-1950s, and nearly 70 percent was installed before the mid-1970s. Mains range from 2 to 8 inches in diameter, and service lines range from 3/4 to 1 inch. Each building has at least one regulator to lower the gas pressure for equipment and appliance use (i.e., 7 inches of water to 1 psig). Some buildings have gas meters, which were installed for internal charging and energy management purposes.

### J12.2.1.2 Inventory

**Table 1** provides a general listing of the major natural gas distribution system fixed assets for the Lackland AFB natural gas distribution system included in the sale.

**TABLE 1**  
Fixed Inventory  
*Natural Gas Distribution System Lackland AFB*

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
<b>PE Gas Pipe</b>	6	800	Lf	1995
	4	22,700	lf	1990
	3	4,975	lf	1995
	2	31,425	lf	1994
	1	10,750	lf	1991
	3/4	600	lf	1995
<b>Steel Gas Pipe</b>	8	10,900	lf	1957
	6	16,050	lf	1958
	4	62,780	lf	1960
	3	28,520	lf	1959
	2	40,950	lf	1964
	1	6,925	lf	1966
<b>Steel Plug Valves</b>	6	34	ea	1959
	4	128	ea	1960
	3	58	ea	1959
	2	83	ea	1964
	1	17	ea	1968
<b>PE Ball Valves</b>	6	2	ea	1995
	4	46	ea	1990
	3	10	ea	1995
	2	63	ea	1994
	1	22	ea	1991
<b>Large Regulators</b>		16	ea	1965
<b>Small Regulators</b>		604	ea	1985
<b>Meters</b>		202	ea	1986
<b>Rectifier Stations</b>		65	ea	1967
<b>Sacrificial</b>		37	ea	1985-1999

Notes: ea = each  
lf = linear feet psi = pounds per square inch  
PE = polyethylene in. = inches

### J12.2.2 Natural Gas Distribution System Non-Fixed Equipment and Specialized Tools Inventory

**Table 2** lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the sale. 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

*Natural Gas Distribution System Lackland AFB*

Qty	Item	Description/Size	Remarks
7	Valve, Gas, Plug, Flanged	2"	
6	Valve, Gas, Plug, Flanged	4"	
2	Valve, Gas, Ball, P.E.	4"	
3	Valve, Gas, Ball, P.E.	6	
6	Valve, Gas, Ball, P.E.	2"	
4	Valve, Gas, Ball, P.E.	1-1/2"	
7	Valve, Gas, Ball, P.E.	1-1/4"	
5	Poly, Butt Fusion	2"	
5	Poly, Butt Fusion	3"	
5	Poly, Butt Fusion	4"	
4	Fitting, Transition, weld X PE	2"	
5	Fitting, Transition, weld X PE	3"	
5	Fitting, Transition, weld X PE	4"	
5	Fitting, Transition, weld X PE	1"	
5	Fitting, Transition, flg X PE	4"	
5	Fitting, Transition, flg X PE	3"	
4	Fitting, Transition, MPT X PE	1"	
5	Tee, PE, Butt Fusion	2"	
5	Tee, PE, Butt Fusion	4"	
4	Riser, Anodeless	2"	
5	Cap, PE, Butt Fusion	2"	
5	Cap, PE, Butt Fusion	3"	
5	Regulator, Gas	2"	
5	Regulator, Gas	1-1/2"	
6	Regulator, Gas	1"	
1	Regulator, Gas	1-1/4"	

TABLE 3

Specialized Vehicles and Tools

*Natural Gas Distribution System Lackland AFB*

Description	Quantity	Location	Maker
Polyethylene Pipe socket fusion machine (Central)	1		
Polyethylene Pipe butt fusion machine (Christie)	1		
Assorted gas main valve keys	6		

### J12.2.3 Natural Gas Distribution System Manuals, Drawings, and Records Inventory

**Table 4** lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

*Natural Gas Distribution System Lackland AFB*

Qty	Item	Description	Remarks
1	CD	Utility System Drawings	Natural Gas Distribution System
1	Utility System Drawings	Gas Distribution for Main Base @ 1"=400' and 4"=100'	Tab G-6, 1 Sheet, 23 Sheets @ 4"=100'

Qty	Item	Description	Remarks
1	Utility System Drawings	1"=100' Gas Distribution for Main Base @ 1"=400' and 1"=100'	1"=100' Tab G-6, 1 Sheet, 7 Sheets @ 1"=100'

## J12.3 Specific Service Requirements

The service requirements for the Lackland AFB natural gas distribution system are as defined in the Section C, *Description/Specifications/Work Statement*. The following requirements are specific to the Lackland AFB natural gas 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.

- Leak detection surveys shall be performed IAW the Texas Railroad Commission (RRC) and 49 CFR 192. Lackland Air Force Base is classified as a business district for the purpose 49 CFR 192.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J12.6, and that meet the following requirements:  
The Contractor shall keep meter books with monthly consumption and demand (if applicable) for each meter reading. Meter books shall also include building address or facility number, meter number, previous month readings, current month readings, multipliers for each meter, total monthly consumption, points of contact for meter questions, and procedure for converting meter reads into consumption (including multipliers). The Contractor shall coordinate with the Government to determine the format for meter books to be delivered.
- The Contractor shall enter into a Memorandum of Understanding with the Lackland Air Force Base Fire Department for fire protection of all facilities included in the purchase of the utility. The Contractor shall abide by Lackland AFB fire protection requirements. The Contractor shall maintain the fire alarm system for all facilities included in the purchase of the utility. The Contractor shall permit Fire Department personnel access to their facilities to perform fire inspections and emergency response.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by the Lackland Air Force Base Civil Engineer Control Center or equivalent agency for exercises and crisis situations.
- IAW Paragraph C.6 and the Right of Way, the Contractor shall coordinate with Air Intelligence Agency (AIA) personnel and obtain clearance with proper escort prior to entering the AIA restricted area (located on the Training Annex).
- Contractor shall recalibrate all secondary natural gas meters once every 5 years.

## J12.4 Current Service Arrangement

Lackland AFB currently purchases natural gas from CPS, a municipal utility. The Air Force however, may enter into agreements in the future to purchase natural gas from other wholesalers. Current peak natural gas usage at Lackland AFB Main Base and Training Annex is approximately 55,100 thousand cubic feet (MCF) per month.

## J12.5 Secondary Metering

The Installation may require secondary meters for internal billings of their reimbursable customers, utility usage management, and conservation monitoring. The Contractor shall assume full ownership and responsibility for existing and future secondary meters IAW Paragraph C.3.

### J12.5.1 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 once a month for all secondary meters IAW Paragraph C.3 and J12.6 below.

**TABLE 5**  
Existing Secondary Meters  
*Natural Gas Distribution System Lackland AFB*

<b>Building</b>	<b>Building Description</b>	<b>Meter Description</b>
105	CAPEHART HSG ADJUSTMENT K	Meter No: WS217431
105	CAPEHART HSG ADJUSTMENT K	Meter No: YS1355816
105	CAPEHART HSG ADJUSTMENT K	Meter No: YS1355815
113	37 TRG CLASSROOM K	Meter No: W174590
131	LTA (CPS METER) K	Meter No: 8189651
131	LTA (CPS METER) K	Meter No: 8189649
145	BX FACILITY	Meter No: 2204752
147	37 TRG CLASSROOM V	Meter No: SS6057025
150	DINING HALL V	Meter No: V23451
156	STUDENT QUARTERS V	Meter No: S6046715
310	93 IS 300 AREA FACILITIES	Meter No: WS3643966
310	93 IS 300 AREA FACILITIES	Meter No: T3594055
390	SATCOM (SATELITE COMM) N	Meter No: 1033292
600	CAPEHART HOUSING	Meter No: 7712631
1050	COMMUNICATIONS CENTER V	Meter No: W198164
1285	BX SNACK BAR	Meter No: W138484
1286	BASE RESTAURANT (BK)	Meter No: N503540
1288	GATEWAY THEATER	Meter No: N104538
1298	LACKLAND FED CREDIT UNION	Meter No: Z11507
1385	MAIN BX FACILITY	Meter No: W138483
1415	CENTRAL HTG PLT FY82 UEPH B	Meter No: Z11530
1415	CENTRAL HTG PLT FY82 UEPH B	Meter No: Y62357
1415	CENTRAL HTG PLT FY82 UEPH B	Meter No: 57475
1465	BX TOY/GARDEN/B BONNET DH	Meter No: SS6057023
1508	BX SERVICE OUTLET	Meter No: Z11537
1528	LACKLAND CHAPEL # 3 N	Meter No: W201698
1603	MFH FERSON LOOP K	Meter No: Z11532
1612	1612 MFH FERSON LOOP K	Meter No: Z11558
2300	MITCHELL HALL	Meter No: Z11508
2300	MITCHELL HALL	Meter No: YS64921
2306	SHOPPETTE	Meter No: YS2726807
2325	FIRE STATION N	Meter No:
2435	VISITING OFFICERS QTRS N	Meter No: 2312355
2441	VISITING OFFICERS QTRS N	Meter No: WS2203252
2443	VISITING OFFICERS QTRS N	Meter No: YS2242476
2447	VISITING OFFICERS QTRS N	Meter No: WS2203253
2449	VISITING OFFICERS QTRS N	Meter No: WS2203251
2484	MISSION SUPPORT	Meter No: WS2203346
2490	GATEWAY CLUB	Meter No: SS3334746

<b>Building</b>	<b>Building Description</b>	<b>Meter Description</b>
2493	GAS METER FACILITY B	Meter No: V23297
2493	GAS METER FACILITY B	Meter No: V23296
2503	WARHAWK POOL B	Meter No: 6827591
2704	YOUNT CIRCLE (MFH)	Meter No: YS64919
2901	GOLF COURSE CLUBHOUSE	Meter No: ZS294281
2901	GOLF COURSE CLUBHOUSE	Meter No: WS217352
3245	GAS METER FACILITY B	Meter No: V23295
3245	GAS METER FACILITY B	Meter No: V26508
3350	MODULAR MEDICAL CLINIC	Meter No: W198163
3450	MEDICAL MAINTENANCE FAC	Meter No: W198160
3610	TEMPORARY LIVING FAC N	Meter No: WS217312
3610	TEMPORARY LIVING FAC N	Meter No: WS217317
3610	TEMPORARY LIVING FAC N	Meter No: WS217315
3610	TEMPORARY LIVING FAC N	Meter No: WS217316
3610	TEMPORARY LIVING FAC N	Meter No: WS217313
3610	TEMPORARY LIVING FAC N	Meter No: WS217314
3748	WHMC WAREHOUSE	Meter No: WS216154
3750	WHMC WAREHOUSE	Meter No: 6848150
3810	FISHER HOUSE #1 N	Meter No: 184326
3812	FISHER HOUSE #2 N	Meter No: 1577620
3885	MARKSMANSHIP TRAINING	Meter No: W198173
4430	CLINICAL INVESTN MED FAC	Meter No: 4118469
4550	WHMC MEDICAL FAC	Meter No: V23965
4550	WHMC MEDICAL FAC	Meter No: V23956
4550	WHMC MEDICAL FAC	Meter No: V23957
4602	MACKOWN DENTAL CLINIC	Meter No: Z11547
4883	WHMC INCINERATOR	Meter No: VS28680
4890	SC LAB MEDICAL	Meter No: 2204751
5008	VEHICLE MAINTENANCE FAC N	Meter No: W198168
5008	VEHICLE MAINTENANCE FAC N	Meter No: S6054304
5015	VEHICLE MAINTENANCE FAC B	Meter No: W198152
5100	FAMILY HOUSING OFFICE W	Meter No: 210618
5160	LG COMPLEX WAREHS/ADMIN N	Meter No: YS1355702
5290	LACKLAND INDEP SCH DIST	Meter No: 578567
5301	EDUCATION CENTER B	Meter No: W198161
5449	GATE-WAY STORE W	Meter No: 3360686
5450	BASE CONTRACTING SQUADRON N	Meter No: 1571255
5460	CIVIL ENGINEERING SQ N	Meter No: 1571552
5506	ARNOLD HALL REC CTR SNK/B	Meter No: 500682
5595	CIVIL ENGINEERING HQ N	Meter No: ZS117832
5616	MILITARY CBPO-37TRW/FM V	Meter No: Y48771
5725	RECRUIT PROCESSING	Meter No: Y48252
5747	AUDIOVIS LIBRARY/GRAPHICS W	Meter No: WS217350
6300	GATEWAY CHAPEL # 8 V	Meter No: 82S5602692
6418	DUNN DENTAL CLINIC	Meter No: Y51271
6420	737 TRG HQ N	Meter No: ZS2262359
6475	BX FACILITY	Meter No: Z11535
6476	SKYLARK BOWLING ALLEY	Meter No: W170130
6482	SKYLARK SWIMMING POOL N	Meter No: Z11534
6612	BASE DISPENSARY	Meter No: SS1120870
6659	MILITARY CLOTHING SALES	Meter No: WS217430
7037	BX MINI MALL FACILITY	Meter No: Z11516
7065	RH&T (IAAFA/PEB/WELLNESS)	Meter No: VS28679
7080	TV PRODUCTION FACILITY B	Meter No: N104354
7214	SVS SUPPLY/NAF V	Meter No: Z11513
7243	37 COMM PUBS & POST OFF	Meter No: W198177

<b>Building</b>	<b>Building Description</b>	<b>Meter Description</b>
7246	CHAPARRAL REC CTR SNK BAR	Meter No: ZS294282
7249	TOPS IN BLUE V	Meter No: W174179
7426	DLI OFFICERS QUARTERS N	Meter No: 459126
7426	DLI OFFICERS QUARTERS N	Meter No: 459127
7426	DLI OFFICERS QUARTERS N	Meter No: S6056685
7429	CENTRAL HEATING & A/C PLT N	Meter No: SS1120766
7435	DLI STUDENT ENLISTED HSG N	Meter No: ZS1117737
7436	DLI STUDENT ENLISTED HSG N	Meter No: ZS1117662
7445	DLI SEBILLE HALL-ACADEMIC C	Meter No: W174180
7532	DLI AMIGO INN DINING HALL N	Meter No: SS1120850
7535	DLI ACADEMIC AND HQ N	Meter No: YS974988
7595	DOD DOG CENTER, VET V	Meter No: 198157
8200	LACKLAND INDEP SCH DIST	Meter No: R4580537
8200	LACKLAND INDEP SCH DIST	Meter No: AF4582367
8200	LACKLAND INDEP SCH DIST	Meter No: Y22114
8210	CHILD CARE CENTER B	Meter No: W198171
8400	COMMISSARY	Meter No: S6044651
8490	RANGE ROAD (MFH) K	Meter No: WS217351
9020	RH&T (200 PN) V	Meter No: WS674716
9050	RH&T (600 PN) V	Meter No: VS28688
9110	RH&T, 01 SQ V	Meter No: VS28689
9121	CE ZONE AMU #3 N	Meter No: 1164899
9122	RH&T(600PN) VISITOR'S CTR V	Meter No: VS28690
9210	RH&T V	Meter No: V23450
9225	CRYPTO TRAINING V	Meter No: Y48772
9269	FAA RADAR TOWER	Meter No: W174589
9282	BLOOD BANK	Meter No: 426658
9310	RH&T V	Meter No: VS28691
9410	RH&T V	Meter No: VS28686
10050	NAVY BEQ N	Meter No: WS1551656
10055	NAVY BEQ N	Meter No: WS1551657
10060	NAVY BEQ HOUSING/STORAGE N	Meter No: VS1121114
10065	NAVY BEQ ADMINISTRATION	Meter No: 1588304
10070	NAVY BEQ N	Meter No: WS1551655
10075	NAVY BEQ N	Meter No: WS1551654
10175	37 TRG MESQUITE DINING H. N	Meter No: SS1594990
10201	FY86 UEPH N	Meter No: Z27786
10203	FY86 UEPH N	Meter No: S6055489
10205	FY86 UEPH N	Meter No: W206846
10207	FY86 UEPH N	Meter No: Z27451
10207	FY86 UEPH N	Meter No: S6055511
10207	FY86 UEPH N	Meter No: Z27450
10215	SECURITY POLICE TRNG FAC N	Meter No: YS1120495
10230	US POST OFFICE/BX OUTLET	Meter No: W170131
10251	FY87 UEPH N	Meter No: W209542
10253	FY87 UEPH N	Meter No: 157540
10255	FY87 UEPH N	Meter No: W209540
10261	FY87 UEPH N	Meter No: W209541
10263	FY87 UEPH N	Meter No: V28109
10265	FY87 UEPH N	Meter No: W209539
10416	RH&T, 03 SQ V	Meter No: S1121112
10441	TECH TNG WING ANNEX K	Meter No: 29151
10530	FOOD SERVICES CONTRACTOR K	Meter No: YS64918
10541	FY85 UEPH N	Meter No: V27524
10634	NCO ACADEMY K	Meter No: YS64917
10650	VISITING AIRMAN QTRS B	Meter No: YS1933142

Building	Building Description	Meter Description
10652	VISITING AIRMAN QTRS B	Meter No: Y57410
10656	VISITING AIRMAN QTRS B	Meter No: Y57413
10658	CENTRAL CHILLER/HTG PLT N	Meter No: Y57411
10802	VISITING AIRMAN QTRS N	Meter No: Z23742
10804	VISITING AIRMAN QTRS N	Meter No: Z23714
10806	VISITING AIRMAN QTRS N	Meter No: Z23736
10808	CENTRAL CHILLER PLANT N	Meter No: Y59964
10810	37 TRG LIVE OAK INN DHALL N	Meter No: S1598397

## J12.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. All new secondary meters shall be pulse initiating meters compatible with the Lackland AFB Energy Management Control System (EMCS). 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 J12.6 below.

**TABLE 6**

New Secondary Meters

*Natural Gas Distribution System Lackland AFB*

Building	Building Description	Description
118	ANNEX CLUB	MWR
2433	SMOKEY JOES BBQ	MWR
7041	CRAFT CTR	MWR
2300	PIZZA EXPRESS	MWR
7245	AUTO HOBBY	MWR
7346	CHAPARRAL GYM	MWR
140	GYM	MWR
2418	WARHAWK GYM	MWR
7000	OFFICE/STORAGE	WHMC
6246	OFFICE/STORAGE	WHMC
6329	THRIFT SHOP	PRIV
7065	OFFICE/STORAGE	WHMC
3664	ANIMAL CLINIC	MWR
8410	SATELITE PHARMACY	WHMC

## J12.6 Submittals

The Contractor shall provide the Government 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:*  
*Address:*  
*Phone number:*
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 include the following information for Scheduled and Unscheduled outages:

**Scheduled:** Requestor, date, time, duration, facilities affected, feedback provided during outage, outage notification form number, and digging clearance number.

**Unscheduled:** Include date, time and duration, facilities affected, response time after notification, completion times, feedback provided at time of outage, specific item failure, probability of future failure, long term fix, and emergency digging clearance number.

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:*

*Address:*

*Phone number:*

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

*Name:*

*Address:*

*Phone number:*

4. System Efficiency Report. The Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. The Contracting Officer will determine the frequency of the report based on Government requirements. System efficiency reports shall be submitted to:

*Name:*

*Address:*

*Phone number:*

## J12.7 Energy Saving Projects

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

- None.

## J12.8 Service Area

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

## J12.9 Off-Installation Sites

No off-installation sites are included in the sale of the Lackland AFB natural gas distribution system.

## J12.10 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  
*Natural Gas Distribution System Lackland AFB*

Location	Description
	The Government does not require any connection or disconnections during the transition period.

## J12.11 Government Recognized System Deficiencies

**Table 8** provides a listing of system improvements that the Government has planned for in the near future. The Government recognizes these improvement projects as representing current deficiencies associated with the Lackland AFB natural gas distribution system. If the natural gas distribution 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  
*Natural Gas Distribution System Lackland AFB*

Project Identifier/Location	Project Description
MPLS 974027	Replace Gas Laterals at Capehart MFH
MPLS 984003	Replace Gas Laterals at Zachary MFH
MPLS 951020E	Replace Gas Line along Military Drive
MPLS 961002G	Replace Gas Line along Barnes St, 5200 Area
MPLS 961002H	Replace Gas Line along Femoyer/Metzger St
MPLS 961002L	Replace Gas Line along Annex/Voyager
MPLS 941012	Replace Gas Regulators
MPLS 951129	Repair Gas Pits (Bldg. 360)
	Existing meters need to be inspected and recalibrated.