

ATTACHMENT J2 (REVISED UNDER AMENDMENT 0014)

# Fort Hood Natural Gas Distribution System

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## Table of Contents

**FORT HOOD NATURAL GAS DISTRIBUTION SYSTEM..... J2-I**

**J2 FORT HOOD NATURAL GAS DISTRIBUTION SYSTEM.....J2-1**

J2.1 FORT HOOD OVERVIEW ..... J2-1

J2.2 NATURAL GAS DISTRIBUTION SYSTEM DESCRIPTION..... J2-3

*J2.2.1 Natural Gas Distribution System Fixed Equipment Inventory ..... J2-3*

        J2.2.1.1 Description ..... J2-3

        J2.2.1.2 Points of Demarcation ..... J2-4

        J2.2.1.3 Inventory ..... J2-4

*J2.2.2 Natural Gas Distribution System Non-Fixed Equipment and Specialized Tools..... J2-7*

*J2.2.3 Natural Gas Distribution System Manuals, Drawings, and Records ..... J2-8*

J2.3 SPECIFIC SERVICE REQUIREMENTS ..... J2-8

J2.4 CURRENT SERVICE ARRANGEMENT ..... J2-11

J2.5 SECONDARY METERING..... J2-11

*J2.5.1 Existing Secondary Meters ..... J2-12*

*J2.5.2 Required New Secondary Meters ..... J2-29*

J2.6 MONTHLY SUBMITTALS ..... J2-30

J2.7 ENERGY SAVING PROJECTS ..... J2-30

J2.8 SERVICE AREA ..... J2-31

J2.9 OFF-INSTALLATION SITES..... J2-31

J2.10 SPECIFIC TRANSITION REQUIREMENTS ..... J2-31

J2.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES..... J2-31

## List of Figures and Tables

Figure 1 - Fort Hood, Texas ..... J2-1

Figure 2 - Major Areas of Fort Hood, Texas ..... J2-2

Table 1 - Natural Gas System Points of Demarcation..... J2-4

Table 2 - Fixed Inventory, Natural Gas Distribution Piping ..... J2-5

Table 3 - Fixed Inventory, Natural Gas Distribution System Components..... J2-6

Table 4 - Spare Parts ..... J2-8

Table 5 - Specialized Vehicles and Tools ..... J2-8

Table 6 - Manuals, Drawings, and Records..... J2-8

Table 7 - Existing Secondary Meters **Not** Connected to the AMR System ..... J2-12

Table 8 - Existing Secondary Meters Connected to the AMR System ..... J2-13

Table 9 - New Secondary Meters ..... J2-29

Table 10 - Service Connections and Disconnections ..... J2-31

Table 11 - System Deficiencies ..... J2-32

# J2 Fort Hood Natural Gas Distribution System

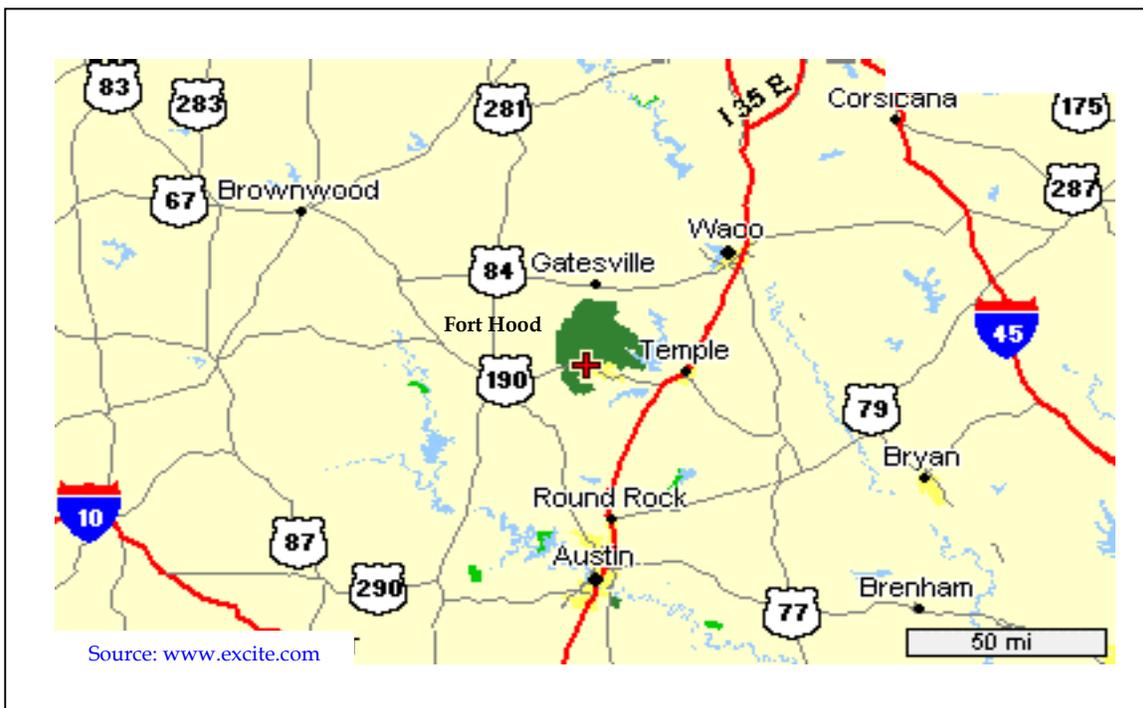
## J2.1 Fort Hood Overview

Fort Hood is located in central Texas, approximately 65 miles north of Austin and approximately 20 miles west of Interstate Highway 35 along U.S. Highway 190. **Figure 1** shows Fort Hood's location in central Texas. The Post covers approximately 339 square miles, straddling Coryell and Bell counties and abutted to the east by the City of Killeen, Texas and to the west by the City of Copperas Cove, Texas.

**FIGURE 1**

Fort Hood, Texas

*Natural Gas Distribution System, Fort Hood, Texas*

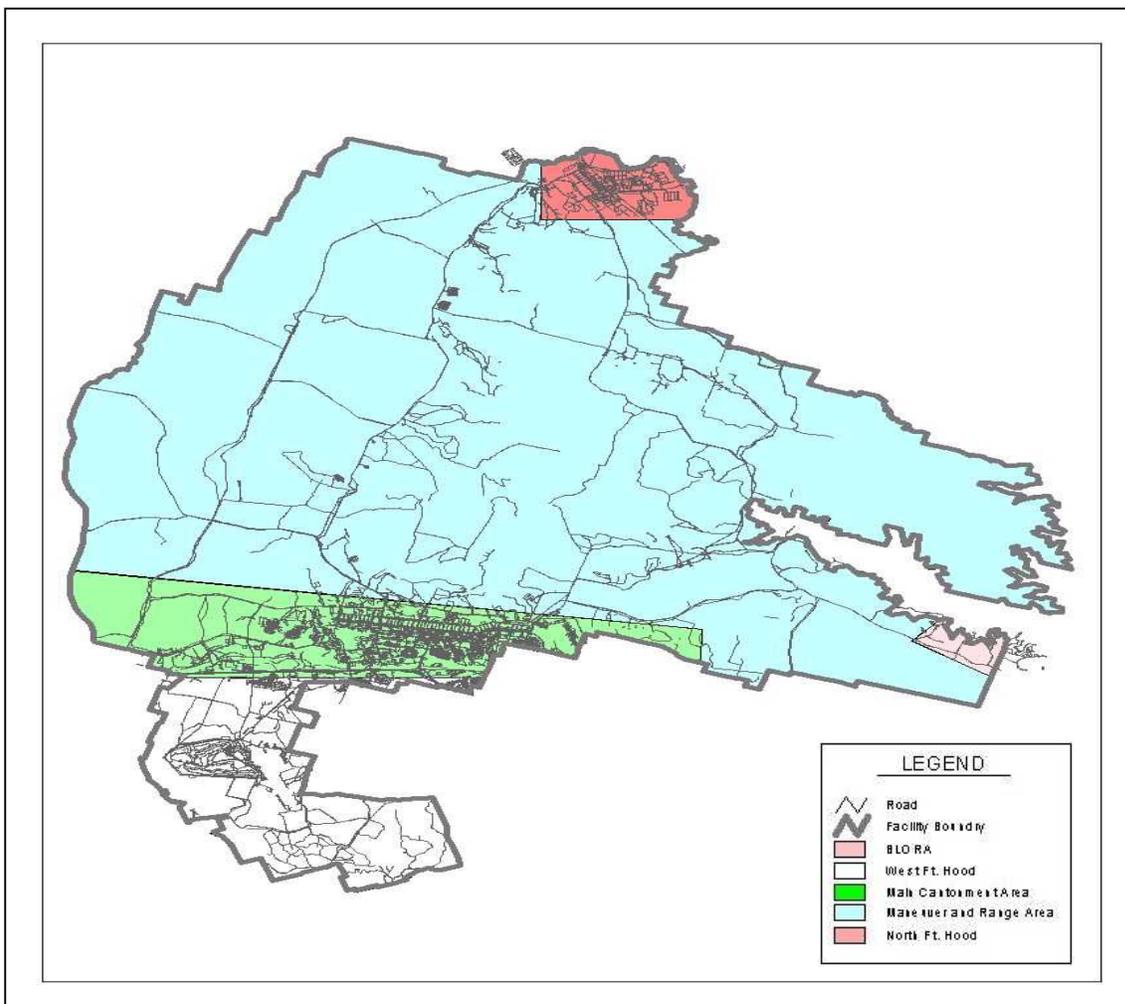


Fort Hood consists of the Main Cantonment area, West Fort Hood, North Fort Hood, maneuver and live-training areas (the Ranges), and the Belton Lake Outdoor Recreation Area (BLORA). These areas are depicted in **Figure 2**. The Main Cantonment area represents the original site for South Camp Hood. The site was originally selected in 1941 and construction started 1942. Construction of North Camp Hood, which is now known as North Fort Hood, started shortly thereafter and approximately 17 miles to the north. South Camp Hood was designated as Fort Hood in 1951. Approximately 244 square miles of land between North Fort Hood and the Main Cantonment area is used for maneuvers and live

fire exercises. Fort Hood has two active airfields: Hood Army Airfield and Robert Gray Airfield. Hood Army Airfield is located on the eastern edge of the Cantonment area and Robert Gray Airfield is located on West Fort Hood. BLORA is located on the eastern-most portion of Fort Hood.

Fort Hood’s primary mission is to prepare both active and reserve military components for deployment and execution of military and domestic missions worldwide. The Post is distinctive in that it is the only military installation in the United States capable of stationing and training two armored divisions. A major element of Fort Hood’s mission is derived from its extensive training areas. The maneuver and training areas within the Ranges are used to simulate battlefield conditions and support infantry, armor, artillery, and air training operations.

**FIGURE 2**  
 Major Areas of Fort Hood, Texas  
*Natural Gas Distribution System, Fort Hood, Texas*



## **J2.2 Natural Gas Distribution System Description**

### **J2.2.1 Natural Gas Distribution System Fixed Equipment Inventory**

The Fort Hood 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 starts to the point of demarcation for each end user. The system may include, but is not limited to, regulating stations, pipelines, valves, regulators, and meters. The actual inventory of items sold will be conveyed to the Contractor using the Bill of Sale shown in Attachment J42 to the RFP 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 description and inventory were developed based on best available data.

The Offeror shall base its proposal on site inspections, information in the technical library, and other pertinent information, as well as the following description and inventory. If after award the Offeror identifies additional inventory not listed in section J2.2.1.3, the Offeror may submit to the Contracting Officer a request for an equitable adjustment. If the Offeror determines that the inventory listed in section J2.2.1.3 is overstated, the Offeror shall report the extent of the overstatement to the Contracting Officer, who will determine an equitable adjustment.

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

The natural gas distribution system at Fort Hood is composed of the district regulator stations, distribution mains, valves, valve boxes, service lines, regulators, and meters used to deliver natural gas from the gas supplier to each of the end users throughout the Post. Some steel components have cathodic protection to protect from corrosion. Cathodic protection system components, including anodeless risers and test stations, are considered part of the natural gas distribution system although they are not specifically called out in the utility system inventory presented below.

Specifically excluded from privatization of the natural gas distribution system are:

- None; all components connected to the distribution system up to the points of demarcation are included.

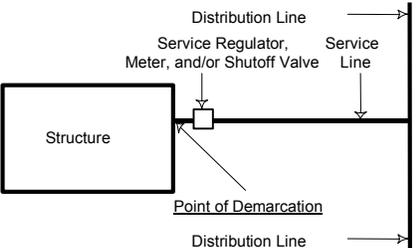
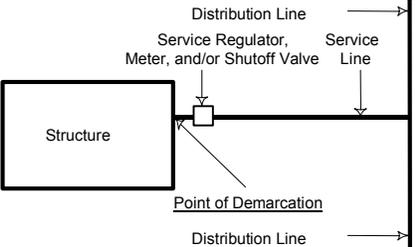
Fort Hood primarily uses natural gas for space and water heating purposes. The natural gas distribution system serves approximately 2,367 facilities on the Main Cantonment area, 68 facilities on West Fort Hood, and 212 facilities on North Fort Hood. There are no natural gas pipelines in the BLORA area or the Ranges.

The natural gas distribution system extends from the down stream side of the service valve located at each of the three Lone Star Gas Company (LSG) gate stations located on Fort Hood. Two gate stations are located on Fort Hood's Main Cantonment area and one is located on North Fort Hood. The gate station at North Fort Hood and the gate station located near Highway 190 and Clear Creek Road on the Main Cantonment area have two separate meters and therefore two separate points of demarcation at each gate station.

### J2.2.1.2 Points of Demarcation

The point of demarcation for each end user is defined as the point or component on the distribution system where ownership will change from the utility owner to the building owner. In most cases the point of demarcation is the first upstream component (i.e., meter, valve, regulator, etc) of the system located outside of the facility footprint. **Table 1** identifies the type of service and general location of the point of demarcation with respect to the building or facility served by the distribution system.

**TABLE 1**  
 Natural Gas System Points of Demarcation  
 Natural Gas Distribution System, Fort Hood, Texas

Point of Demarcation	Applicable Scenario	Sketch
Point of demarcation is the last fitting before the pipe enters the facility, building, or structure.	Non-residential service. One or more fittings are connected to the service line feeding the facility, building or structure.	 <p>The sketch shows a horizontal 'Distribution Line' with an arrow pointing right. A vertical 'Service Line' branches off downwards from the distribution line. At the junction, there is a box labeled 'Service Regulator, Meter, and/or Shutoff Valve'. An arrow points to this box from the label 'Point of Demarcation'. To the left of this box is a rectangle labeled 'Structure'. Below the distribution line, there is another 'Distribution Line' with an arrow pointing right.</p>
Point of demarcation is the last fitting before the pipe enters the building/unit.  <i>Note: Point of demarcation for residential services is complimentary to the point of demarcation established by Fort Hood Family Housing initiative. All components of the natural distribution system not included as a part of the residence are included with natural gas distribution system included for privatization.</i>	Residential service.	 <p>The sketch is identical to the one above, showing a 'Distribution Line' entering a 'Structure' with a 'Service Regulator, Meter, and/or Shutoff Valve' at the 'Point of Demarcation'.</p>

Note:  
 All natural gas meters, including instrumentation, wiring, etc., will be transferred with the natural gas distribution system to the Contractor.

### J2.2.1.3 Inventory

There are 12 pressure-reducing regulator stations on the natural gas utility system between the LSG gate stations and the points of demarcation described in **Table 1**. The piping distribution system contains approximately 220 miles of buried piping ranging in size from 0.5-inch service lines to 10-inch main lines. **Table 2** provides an inventory of the natural gas distribution system piping being privatized.

The natural gas distribution system also consists of other system components such as isolation valves, service regulators, anodeless risers, and natural gas metering devices. Anodeless risers attached to the natural gas system are also included; however, they are not

specifically listed in the inventory. Gas meters are equipped with gas cock valves for isolation of the meter for maintenance purposes. **Table 3** provides an inventory of other natural gas distribution system components.

**TABLE 2**  
Fixed Inventory, Natural Gas Distribution Piping  
Natural Gas Distribution System, Fort Hood, Texas

Component	Size	1945	1955	1965	1975	1985	1995	2000	Total
Values reported are total linear feet									
CI Pipe	10 in.	0	0	0	402	0	0	0	402
CI Total Pipe		0	0	0	402	0	0	0	402
Polyethylene Pipe	0.5 in.	0	0	0	0	244	0	0	244
	0.75 in.	0	0	430	22,939	1,287	7,202	0	31,858
	1 in.	0	0	3,430	6,815	11,492	72,473	49,803	144,013
	1.25 in.	0	0	6,284	18,283	20,438	84,537	709	130,251
	1.5 in.	0	0	2,376	625	12,311	14,904	15,596	45,812
	2 in.	0	0	13,482	8,731	41,061	146,094	30,284	239,652
	2.5 in.	0	0	0	0	260	659	0	919
	3 in.	0	0	6,998	16,118	17,015	30,788	2,829	73,748
	4 in.	0	0	8,887	6,119	59,927	132,699	15,292	222,924
	6 in.	0	0	5,284	3,259	8,760	21,374	0	38,677
	8 in.	0	0	0	1,901	21,429	4,257	5,978	33,565
	10 in.	0	0	0	0	1,487	4,525	0	6,012
Polyethylene Total Pipe		0	0	47,171	84,789	195,710	519,513	120,492	967,675
PVC Pipe	1 in.	0	0	0	874	0	0	0	874
	1.25 in.	0	0	0	880	0	0	0	880
	2 in.	0	0	0	305	0	0	0	305
	4 in.	0	0	0	178	0	0	0	178
	10 in.	0	0	0	1,611	0	0	0	1,611
PVC Total Pipe		0	0	0	3,849	0	0	0	3,849
STEEL Pipe	1 in.	8,846	3,284	9,546	0	0	0	0	21,676
	1.25 in.	5,113	3,227	3,685	0	0	0	0	12,025
	1.5 in.	1,144	1,836	14,230	103	0	0	0	17,313
	2 in.	10,304	10,608	12,278	0	0	0	0	33,190
	2.5 in.	766	0	2,557	0	0	0	0	3,323
	3 in.	421	3,401	5,550	0	0	0	0	9,372

**TABLE 2**  
Fixed Inventory, Natural Gas Distribution Piping  
*Natural Gas Distribution System, Fort Hood, Texas*

Component	Size	1945	1955	1965	1975	1985	1995	2000	Total
Values reported are total linear feet									
	4 in.	16,923	21,777	27,538	0	0	0	0	66,238
	6 in.	4,994	927	1,365	0	0	0	0	7,286
	8 in.	6,385	4,324	69	0	0	0	0	10,778
STEEL Total Pipe		54,894	49,384	76,818	103	0	0	0	181,199
Grand Total Pipe		54,894	49,384	123,989	89,143	195,710	519,513	120,492	1,153,125

**TABLE 3**  
Fixed Inventory, Natural Gas Distribution System Components  
*Natural Gas Distribution System, Fort Hood, Texas*

Component	Size	Unit	1945	1955	1965	1975	1985	1995	2000	Total
Values reported are total number of items										
Gas Meter, Cock Valves		ea	0	0	0	0	864	96	104	1,064
Gas Meter, Cock Valves Total			0	0	0	0	864	96	104	1,064
Gas Meter, Turbine		ea	0	0	0	0	432	48	52	532
Gas Meter, Turbine Total			0	0	0	0	432	48	52	532
REGULATOR	0.5 in.	ea	0	0	0	0	1	0	0	1
	0.75 in.	ea	0	0	4	440	8	142	0	594
	1 in.	ea	107	37	170	52	78	1,400	813	2,657
	1.25 in.	ea	15	27	58	37	126	850	1	1,114
	1.5 in.	ea	1	8	19	5	34	27	1	95
	2 in.	ea	5	7	24	12	30	34	2	114
	2.5 in.	ea	1	0	0	0	2	0	0	3
	3 in.	ea	0	0	1	2	2	10	0	15
	4 in.	ea	2	0	4	0	3	1	0	10
REGULATOR Total			131	79	280	548	284	2,464	817	4,603
REGULATOR STATION	2 in.	ea	0	0	0	0	0	2	0	2
	3 in.	ea	0	0	0	0	0	1	0	1
	4 in.	ea	0	0	3	2	1	2	0	8

**TABLE 3**  
 Fixed Inventory, Natural Gas Distribution System Components  
*Natural Gas Distribution System, Fort Hood, Texas*

Component	Size	Unit	1945	1955	1965	1975	1985	1995	2000	Total
Values reported are total number of items										
	8 in.	ea	0	0	0	0	0	2	0	2
REGULATOR STATION Total			0	0	3	2	1	7	0	13
Valve, BALL	0.5 in.	ea	0	0	0	0	1	0	0	1
	0.75 in.	ea	0	0	0	2	3	142	0	147
	1 in.	ea	26	16	159	40	52	446	547	1,286
	1.25 in.	ea	9	21	42	16	55	248	0	391
	1.5 in.	ea	7	6	17	4	26	40	5	105
	2 in.	ea	27	28	17	0	0	0	0	72
	2.5 in.	ea	4	0	3	0	0	0	0	7
	3 in.	ea	1	7	6	0	0	0	0	14
	4 in.	ea	20	21	4	0	0	0	0	45
	6 in.	ea	7	1	1	0	0	0	0	9
	8 in.	ea	4	3	0	0	0	0	0	7
	10 in.	ea	1	0	0	0	0	0	0	1
Valve, BALL Total			106	103	249	62	137	876	552	2,085
Valve, PLUG	2 in.	ea	0	0	19	11	64	280	14	388
	2.5 in.	ea	0	0	1	0	1	1	0	3
	3 in.	ea	0	0	22	21	18	33	4	98
	4 in.	ea	0	0	12	10	35	196	13	266
	6 in.	ea	0	0	3	3	13	30	0	49
	8 in.	ea	0	0	1	4	7	1	4	17
	10 in.	ea	0	0	0	2	1	0	0	3
Valve, PLUG Total			0	0	58	51	139	541	35	824

**J2.2.2 Natural Gas Distribution System Non-Fixed Equipment and Specialized Tools**

Table 4 lists other ancillary equipment (spare parts), and Table 5 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 4**  
Spare Parts  
*Natural Gas Distribution System, Fort Hood, Texas*

Qty	Item	Make/Model	Description	Remarks
No spare parts are included with the Fort Hood Natural Gas Distribution System				

**TABLE 5**  
Specialized Vehicles and Tools  
*Natural Gas Distribution System, Fort Hood, Texas*

Qty	Item	Make/Model	Description	Remarks
No Specialized Vehicles or Tools are included with the Fort Hood Natural Gas Distribution System				

### J2.2.3 Natural Gas Distribution System Manuals, Drawings, and Records

Table 6 lists the manuals, drawings, and records that will be transferred with the system.

**TABLE 6**  
Manuals, Drawings, and Records  
*Natural Gas Distribution System, Fort Hood, Texas*

Qty	Item	Description	Remarks
1	Drawings	CAD Drawings	Hard Copy
1	Electronic	CAD Drawings	Electronic Copy
1	Electronic Database	GIS Database	Electronic Copy
1	Report	Utility Study	Hard Copy

Note: Manuals, drawings, records, and reports included with the Fort Hood Natural Gas Distribution System are included in the Bidders' Library

## J2.3 Specific Service Requirements

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

- Non-Government Installed Utilities Infrastructure. Prior to, during, and after award of this contract, the Residential Commercial Initiative Limited Partnership (Fort Hood Family Housing - FHFH) may cause new installation of utilities infrastructure from the government existing Utility Systems to the Points of Demarcation of newly constructed housing units. The Contractor shall purchase this new construction, known as "Partnership Utility System Facilities" from FHFH as directed by Contracting Officer. After purchase, the Contractor shall then own, operate, expand, upgrade, maintain, repair and replace the newly purchased infrastructure and serve the new housing areas to standards established by this contract. The Contractor shall purchase the fully completed Partnership Utility System Facilities and shall purchase the FHFH-contracted infrastructure following its construction and connection to the Contractor-owned system. Contractor shall complete payment for purchased infrastructure within 60 days of written notice by the FHFH Partnership. The purchase and transfer of such property shall be per formal written agreement between the Contractor and FHFH. The Contractor shall take all necessary steps to transfer warranties obtained by the FHFH Partnership with respect to the Partnership Utility System Facilities; to the extent such warranties are assignable to the Contractor.
- Digging Permits. Contractor shall provide all digging permits which may impact on the integrity of his Utility Systems and the safety of the requestors. Contractor shall routinely accept and promptly process digging permit requests from Government work force; military units; FHFH partnership; maintenance, construction, and Army operations contractors; cable and phone maintenance and installation companies; fence rental companies; individual residents, and additional entities as identified by Contracting Officer to have a valid need for a digging permit. Contractor shall identify methodology of accepting, processing, approving, and listing reason(s) for disapproval.
- The Contractor shall obtain digging permits directly from the Fort Hood Department of Public Works (DPW) for utilities owned by the Government before any drilling, digging, or excavation is undertaken. Provide a completed form FHT 420-X10, Coordination for Land Excavation, to the DPW building 4612, Fort Hood, Texas for each permit. Allow 14 days for Government review of digging permit requests. A digging permit for a specified area of excavation expires 30 days after the issue date; Contractor must re-apply for a new permit to perform excavation in the area if the excavation was not started within the 30-day period. Permits will identify all underground utilities within 1,500 mm (5 feet) of the designated area. Contractor shall be responsible for all repairs, costs, and damages due to excavation.
- Leak detection surveys shall be performed in accordance with (IAW) the Texas Railroad Commission (RRC) and 49 CFR 192 standards and frequencies. Fort Hood shall be considered classified as a business district for the purpose of complying with 49 CFR 192. The Government reserves the right to review leak detection records developed and maintained by the Contractor.
- The Contractor shall develop and implement an inspection and maintenance program for natural gas regulators IAW 49 CFR 192. The Government reserves the right to review the Contractor's regulator maintenance records.

- The Contractor shall develop and implement a valve maintenance program for the natural gas system IAW 49 CFR 192. The Government reserves the right to review the Contractor's valve maintenance records.
- The Contractor shall own, operate, and maintain the natural gas cathodic protection system for carbon steel piping systems IAW 49 CFR 192.
- All natural gas meters installed by the Contractor shall include demand registers unless otherwise agreed to by both parties.
- The Contractor shall own, operate, maintain, and calibrate all natural gas meters on Fort Hood. All new meters and replacement meters installed shall meet industry standard requirements for measuring natural gas consumption and shall be connected to the Automatic Meter Reading (AMR) system unless otherwise agreed to by both parties. All new meters and replacement meters installed shall be tested to confirm successful connection and transmission of natural gas consumption data to the AMR system. The Contractor shall provide all labor, equipment or materials necessary to install, connect, test, and calibrate meters.
- The Contractor shall provide monthly meter reading reports IAW Paragraph J2.6, 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.
  - Commodities shall be metered for consumption, demand, run-time, or other measurement (including interval data such as 15-minute demand logging and specific electronic format) as directed by Contracting Officer. In the proposal, Contractor shall identify methodology of assigning initial and recurring costs to the design, installation, operation (testing, calibrating, and reading), expansion, upgrade, repair and replacement of each meter type.
- Cost Allocation and Sales Rate Construction. In the proposal, the Contractor shall identify methodology for allocating appropriate cost associated with distinct services among customers (i.e. residential, federal and non-federal). At a minimum, this allocation shall distinguish between shared and non-shared infrastructure (residential versus all other) and any extension or modernization of an individual customer's service point beyond a normal economic standard. The proposed system of accounts shall be made available in electronic format as directed by the Contracting Officer. The Contractor shall populate the sales rate forms provided by the Government.
- The Contractor shall enter into a Memorandum of Understanding (MOU) with the Fort Hood Fire Department for fire protection of all facilities included in the purchase of the utility. The MOU shall be completed during the transition period and a copy provided to the Contracting Officer.

- The Contractor shall abide by Fort Hood fire protection requirements. The utility system purchased by the Contractor may include facilities. These facilities may or may not include fire alarm systems. Where required by federal, state or local regulation, 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.
- The Contractor is responsible for all supporting utilities that may be required to own, operate and maintain the natural gas distribution system being privatized. For example, electricity is needed to operate lift station pumps. Supporting utilities are defined as the supply of electricity, natural gas, water, or wastewater collection and any infrastructure or materials necessary to connect to the supply of electricity, natural gas, water, or wastewater collection. The Contractor shall coordinate with Fort Hood DPW and the Contracting Officer for any supporting utilities to be provided by the Government.
- IAW Paragraph C.9.8, *Exercises and Crisis Situations Requiring Utility Support*, the Contractor shall provide support as directed by Fort Hood DPW or equivalent agency for exercises and crisis situations.

## J2.4 Current Service Arrangement

LSG supplies gas to Fort Hood at three meter/regulation stations (gate stations). Two gate stations are located on the Main Cantonment area and one is located at North Fort Hood (NFH). The NFH gate station provides gas at 35 pounds per square inch gauge (psig). The Main Cantonment gate stations supply gas at different pressures. The gate station near Hwy 190 near Clear Creek Road supplies gas at 65 psig, and the gate station on the east side of 31<sup>st</sup> St. supplies gas at 35 psig. Gas pressure is dropped from 35 to 16 psig at 12 subsequent regulator stations. Each building or end use has at least one service regulator to lower the gas pressure for equipment and appliance use (i.e., 7 inches of water to 1 psig).

## J2.5 Secondary Metering

Between the point of delivery and the end user points of demarcation, the Contractor shall own all existing meters and shall install additional meters at new and upgraded locations as directed by the Contracting Officer. Contractor shall install or cause to have installed utility meters as requested by the Contracting Officer to include accessories that will ensure compatibility with the current Automatic Metering Reading (AMR) system (i.e., Meter Interface Unit, electronic pulse equipment, retrofit kits, etc.). Contractor shall be responsible for all associated metering devices (such as CTs, PTs, wiring, and volt-amp displays). Some existing and future meters (including AMR interface) may be located inside facilities including motor control centers. The AMR will be privatized in conjunction with the Fort Hood electric system, not in conjunction with the gas, water, or wastewater systems. The successful offeror for the Fort Hood electric system will operate, maintain and repair the AMR system IAW manufacturer recommendations and/or maintenance schedule.

## J2.5.1 Existing Secondary Meters

Tables 7 and 8 list the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. Table 7 identifies meters that **are not** connected to the AMR system and Table 8 identifies meters that **are** connected to the AMR system. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3, Metering, J3.3, Specific Service Requirements, and J3.6, Monthly Submittals.

**TABLE 7**  
Existing Secondary Meters **Not** Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Owner	Bldg. No.	Address	Comment	Meter No.
AAFES Burger King	335	31st and HQ Ave	south side	46567
AAFES Gas Sta, Main	224	42nd and HQ Ave	west side	W119076
AAFES Maint Off	4261	79th and Santa Fe	east side	2084191
AAFES Maint Off	4262	79th and Santa Fe	se corner	2084189
AAFES Package Store	50006	Clear Creek	south side	2407938
AAFES 1CD	33012	73nd and Battalion	north side	1120454
AAFES Montague PX	70001	Base Rd, Montague	nw corner	2106341
AAFES 2AD	9401	20th and Bn Ave	w side	1612587
AAFES Shoppette	1002	Hood Rd & HQ Ave	s side,key from empl	209717
AAFES Launderette	8314	Martin & Central Dr	south side	1630761
AAFES Shoppette	85001	Martin & Central Dr	southwest corner	458578
AAFES Shoppete	70012	West Ft Hood		
Army Res Reg Trng Ct	33010	Support Ave & 72nd	east side	214227
Commissary	85020	10th St & WarriorWay	s side of bldg	1120772
DEH-Hsg (SOQ)	6603	Todd ST (Patton)		87n179584
DEH-Hsg (SOQ)	6604	Todd ST (Patton)		87N179580
DEH-Hsg (SOQ)	6605	Todd ST (Patton)		87n179587
DEH-Hsg (SOQ)	6606	Todd ST (Patton)		87n179588
DEH-Hsg (SOQ)	6607	Todd ST (Patton)		87N179579
DEH-Hsg (typ gas)	60062	Hammer Spur(Venable)	east side	319233
DEH-Hsg (typ gas)	51537-3	Coushatta St (Com 2)	by front door	692817
DEH-Hsg (Montague Gas)	76022adj	S.dirt rd, Montague	across creek, fenced	1707437
DEH-Hsg (Montague Gas New	76022adj	S.dirt rd, Montague	across creek, fenced	2222222
DEH-Hsg (Kouma Gas)	130adj	Clear Creek	Inside fence encl	2607637
DPCA-Clear creek GC	52381	s side of bldg	s side of bldg	6872675

**TABLE 7**  
Existing Secondary Meters **Not** Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Owner	Bldg. No.	Address	Comment	Meter No.
DPCA-Child Care Ctr	113	Hood Rd & T-D Blvd	s side thru playgrnd	196826
DPCA-Commu Ctr (CC)	50012	Clear creek rd	south side by mechrm	SS3703358
DPCA-Girl Scout Bldg	72002	Austin Ave(Montague)	north side	1684919
DPCA-Rental Center	4930	Clear creek rd	SW corner of Bldg	2556730
DPCA Warrior Lanes	49010	BLDG 49010		
Force Intergration	90089adj	Mohawk Rd	n side of metal bldg	2202802
FH Mil Credit Union	322	37th and Hq Ave	east side	1010459
AAFES D. Clinic 2AD	330	(35th) and HQ Ave	n side, w of breezwy	46582
DPCA-Main NCO Club	194	37th and HQ Ave	south side	1118150
DPCA-WFH NCO Club	70005	Base Road, Montague	west side	1185143
DPCA-Main Off Club	5764	24th and T-D Ave	inside gate,w mec rm	293986
DPCA-Patton Inn	9212	20th and Central Ave	east side	459390
DPCA-Sports Dome	42000	75th and Bn Ave	southeast corner	103638
KISD Clark Elem Sch	51706adj	Comanche Ave (Com 2)	in front on riser	220048
KISD Duncan Elem Sch	99999	Entr Rd Comanche 3	se corner by road	222690
KISD Smith Jr High	5000adj	Comanche Ave & Cove	in field e of track	23155
Meddac	2250	Hq Ave		
Meddac	2255	Hq and Support Ave	S. side bldg	6405684
AAFES Popeye's Chick	33011	73rd and Battalion	south side	294312
DEH-Hsg (Poxon Hse)	111	Hood Rd	west side	100307
DPCA-Rod & Gun Club	1937	53rd and North Ave	west side	5079643
RCI, Compound	4313			
RCI, Compound	4321			
Post Office	332	(35th) and HQ Ave	north side breezeway	315925
AAFES Car Wash, Main	225	42nd and HQ Ave	west side	756134142

Note: The number and location of meters on Fort Hood may change as on-going and projected projects are implemented. The meters presented in this table represent the Army's knowledge of meters as of the publication of this Attachment.

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System

*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
135	80113140		Equimeter-R275
135			
175_8	5446574		
178_4	2262446		
420	5272652		
4222	10871542		
4441	10889331		
4902	10863855		
4905_2	10858534		
5258_1	5446565		
5258_2	5446573		
5658_1	5446571		
5658_2	5446564		
5886	5446576		
5891_1	5446543		
5962	5446553		
6222	5446561		
6447_1	5446545		
6447_2	5446572		
6449_1	319226		
6450_2	5446481		
6522	5446577		
6608	79581		
6610	79591		
6734	79582		
6737	179592		
6809	319249		
7015	10895847		
8144	5446569		
8145	5446579		
8415_1	5446552		
8415_2	5446563		

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
9440	?		
33001	6873841		
33003	212445		
36000			
36001	6405715		
36014	106776		
36017	10858420		
36019	10876167		
39033	10856678		
51224_1	5502572		
51322_2			
51452_1	692819		
51609	5502574		
51733_2	692813		
51733_6	5502571		
51764	688020		
52134_2	5446557		
52205_2	5446544		
52207_2	5446578		
52210_1	5446542		
52211_1	5446562		
60004_1	5446549		
60004_2	5446560		
60010_1	5446540		
60010_2	5446566		
76022_1	10856045		Equimeter 415
84215_1	13883284	8566056	Invensys
84215_2	13836149	8566046	Invensys
84236_1	13886536	8566052	Invensys
84236_2	13882909	8566062	Invensys
84241_1	13854737	8566061	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
84241_2	13802978	8566063	Invensys
84110_2	13808238	8566105	Invensys
84121	13809799		
84125	13878407		
84131	13892816	8566037	Invensys
84249	13808207		
84250_2	13897792		
84251_2	13810482	8566045	Invensys
6608	N179581		American
6610	N179591		American
6734	N179582		American
6735	14148223	8726052	Invensys
6737	N179592		American
6813	14096365	8726103	Invensys
6822	14152491	8726059	Invensys
6831	14136196	8726106	Invensys
6851	1406474	8726096	Invensys
150_1	13874869	8566083	Invensys
150_8	13784880	8566081	Invensys
160_1	13888887	8566057	Invensys
160_8	13809679	8566073	Invensys
164_1	13834576	8566071	Invensys
164_8	13809795	8566072	Invensys
165_1	13798604	8566084	Invensys
165_8	13667047	8566076	Invensys
166_1	13883820	8566100	Invensys
166_8	13886233	8566033	Invensys
167_1	13809227	8566044	Invensys
167_8	13784882	8566058	Invensys
168_1	13886713	8566092	Invensys
168_8	13888548	8566114	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
175_2			
175_3			
175_4			
175_5			
175_6			
175_7			
175_8			
183_1	13809360	8566028	Invensys
183_8	13637756	8566027	Invensys
184_1	13821970	8566026	Invensys
184_8	13807951	8566086	Invensys
185_1			
185_8			
188_1			
188_8			
71007	13753379	8566145	Invensys
71014	13575527	8566143	Invensys
72013_1	13619520	8566010	Invensys
72013_2	13896543	8566021	Invensys
76006	13801509	8566023	Invensys
76008	13920767	8566014	Invensys
76014	13886543	8566025	Invensys
77006	13821969	8566006	Invensys
77009_1	13809229	8566038	Invensys
77009_2	13798572	8566039	Invensys
77010_1	13808206	8566019	Invensys
77010_2	13779127		
77018_1	13884978	8566032	Invensys
77018_2	13834577	8566033	Invensys
80004_1	13728349	8566078	Invensys
80004_2	13808113	8566007	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
80010_1	13800008	8566020	Invensys
80010_2	13620164	8566024	Invensys
81007_1	13892818	8566013	Invensys
81007_2	13883818	8565828	Invensys
81008_1	13821968	8566008	Invensys
81008_2	13890854	8566009	Invensys
81009_1	13820760	8566015	Invensys
81009_2	13886232		
81010_1	13887251	8566041	Invensys
81010_2	13809798	8566036	Invensys
60006_1	13810485	8565911	Envensys
60006_2	13870487	8565923	Envensys
60009_1	13809797	8565903	Envensys
60009_2	13575073	8565909	Envensys
60033_1	13810483	8565916	Envensys
60033_2	13810558	8565901	Envensys
60046_1	13892422	8565939	Envensys
60046_2	13884393	8565908	Envensys
60048_1	13778219	8565921	Envensys
60048_2	13885405	8565945	Envensys
60062_1	13856829	8565937	Envensys
60062_2	13784885	8565932	Envensys
60073_1	13675455	8565928	Envensys
60073_2	13885967	8565938	Envensys
60100_1	13874868	8565978	Envensys
60101_1	13075223	8049552	Envensys
60103_1	13271252	8049533	Envensys
60105_1	13271607	8049556	Envensys
60107_1	13443802	8049543	Envensys
60091_1	13896671	8565929	Envensys
60091_2	13886323	8565927	Envensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
60093_1	13749428	8565962	Envensys
60107_2	13097914	5446519	Envensys
60103_2	13558715	5446499	Envensys
60105_2	13446361	5446487	Envensys
60101_2	13530676	5446493	Envensys
60100_2	13795582	8565961	Envensys
60093_2	13882911	8565930	Envensys
60095_1	13821921	8565948	Envensys
60095_2	13633786	8565957	Envensys
60090_1	13821971	8565941	Envensys
60090_2	13808237	8565933	Envensys
60092_1	13861458	8565949	Envensys
60092_2	13809225	8565950	Envensys
60094_1	13824554	8565959	Envensys
60094_2	13895703	8565980	Envensys
60096_1	13895587	8565979	Envensys
60096_2	13887248	8565963	Envensys
51100	13778583	8565860	Invensys
51105	13882810	8565998	S/E
51120	13619521	8565991	S/E
51132	13892817	8566004	S/E
51139	13896139	8565893	S/E
51140			
51149	13784032	8565852	Invensys
51151	13892822	8565844	S/E
51210			
51211			
51212	13878230	8565854	S/E
51213_1	13809363	8565855	Invensys
51213_2		check this one	
51214			

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
51215			
51216			
51212			
51222	13896763	8565838	S/E
51223_1			
51223_2	13874265	8565847	Inversys
51328			
51329			
51330			
51331			
51332			
51333			
51334			
51335			
51336			
51337			
51338			
51339			
51340			
51341	13867980	8565849	Inversys
51342	13886324	8565884	S/E
52022	13821802	8566002	Inversys
52027			
52029			
52030			
52031			
52032			
52034			
52107	13629945	8565846	Inversys
52120	13892378	8565874	Inversys
52132	13895090	8565876	Inversys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
52123	13836147	8565881	Invensys
52134		5446557	Equimeter
52137	13893521	8565868	Invensys
52205		5446544	Equimeter
52207		5446578	Equimeter
52210		5446542	Equimeter
52211		5446562	Equimeter
52212	13805602	8566144	Invensys
52213	13808266	8566060	Invensys
52214	13784404	8565918	Invensys
52215	13810146	8566029	Invensys
52221	13620167	8565863	Invensys
52305	13896762	8566006	Invensys
52310	13822733	8565986	Invensys
52316	13892893	856590	Invensys
52321	13856830	8565869	Invensys
52334	13802053	8565998	Invensys
52341	13854075	8565858	Invensys
52401	13896566	8565864	Invensys
52424	13859397	8565865	Invensys
52427	13895088	8565857	Invensys
52431	13822492	8565848	Invensys
52434	13878231	8565853	Invensys
52437	13882820	8565861	Invensys
52466	13883139	856585	Invensys
52551			
52552			
52553			
52554			
52635	13753459	8565862	Invensys
52651	13854788	8565859	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Building	AMR Serial No.	Body Serial No.	Model
52702	13771878	8565882	Invensys
52735	13810149	8565872	Invensys
52746	13665135	8565866	Invensys
52749			
52750	13893526	8565877	Invensys
52751	13784887		
52752	13854079		
48501_1	13854079	8565831	S/E
48501_2	13878487	8565828	S/E
48509_1	13897795	8565835	Invensys
48509_2	13866620	8565840	Invensys
48521_1	13884046	8565841	Invensys
48521_2	13888883	8565833	Invensys
48543_1	13866619	8565842	S/E
48543_2	13821972	8565837	S/E
48557_1	13620161	8565836	S/E
48557_2	13808001	8565832	S/E
48559_1	13743632	8566016	Invensys
48559_2	13822491	8565827	Invensys
48560_1	3155394		Equimeter
48560_2	13879485		
48561_1	13879585	8566018	S/E
48561_2	13802149	8565839	S/E
48562_2	13896765	8565826	S/E
48565_1	13797092	8566012	Invensys
48565_2	13884041	8565834	Invensys
48564			
48532			
48574			
48582	13866618		
48596	13820762		

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
48614_1	13820762	8565886	S/E
48614_2	13866618	8566104	S/E
48619	13649911		
48632_1	13649911	8565887	Invensys
48632_2	13836325	8566123	Invensys
48653_1	13858811	8565914	Invensys
48653_2	13884980	13798573	Invensys
48661_1	13825654		
48661_2	13825654		
48704_1	13825654	8566139	S/E
48704_2	13888823	8566142	S/E
48707_1	13878229	8565098	Invensys
48707_2	13859399	8565892	Invensys
5712_1	13883817	8565992	Invensys
5712_2	DOG		
5723_1	13807950	8565883	Invensys
5723_2	13884040	8565880	Invensys
5724_1	13879933	8565867	Invensys
5724_2	13809355	8565883	Invensys
5734_1	13890258	8565997	Invensys
5734_2	13896767	8565870	Invensys
5736_1	13896824	8565994	Invensys
5736_2	13784919	8566000	Invensys
5773_1	13895584	8565987	Invensys
5773_2	13897111	8565999	Invensys
5860_1	13810554	8565940	Invensys
5860_2	13809367	8565989	Invensys
5868_1	13780374	8565989	Invensys
5868_2	13879487	8565902	Invensys
5897	13846056		
5901	13896056	8565944	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Building	AMR Serial No.	Body Serial No.	Model
5903	13886321	8565996	Invensys
5905	13886241	8565907	Invensys
5906	DOG		
5907	13896565	8565943	Invensys
5909	13802054	8565942	Invensys
5910			
5911			
5912_1			
5912_2			
5927	13884977	8565871	Invensys
5937	13784422	8565873	Invensys
5949	13675453	8565889	Invensys
5886		5446576	Equimeter
5962		5446553	Equimeter
5781_1		5446558	Equimeter
5781_2		5446556	Equimeter
5891_1		5446543	Equimeter
8121	13879934	8565824	Invensys
8144		5446569	Equimeter
8145		5446579	Equimeter
8146	13825653	8565971	Invensys
8148	13892895	8565797	Invensys
8151	13860296	8565804	Invensys
8201	13779115	8565796	Invensys
8102_1	13895633	8565808	Invensys
8102_2	13674278	8565799	Invensys
8102_3	13674278		
8104_1			
8104_2			
8104_3			
8128_1	13834527	8565795	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
8128_2	13854566	8565792	Invensys
8130_1			
8137_1	13810009	8565820	Invensys
8137_2	13825273	8565812	Invensys
8241_1			
8241_2			
8241_3			
8243_1			
8243_2			
8279_1			
8279_2			
8357_1			
8357_2			
8402_2			
8402_3			
8206	13575520	8565809	Invensys
8260	13874268	8565800	Invensys
8262	13779526	8565786	Invensys
8102_1			
5208_1	13897183	8565935	Envensys
5208_2	13675662	8565947	Envensys
5210_1	13856831	Dogs	
5210_2	13883823	8565817	Envensys
5212_1	13802147	8565787	Sensus
5212_2	13887526	8565982	Sensus
5214_1	13895635	8565791	Envensys
5214_2	13883636	8565788	Envensys
5216_1	13856953	8565811	Sensus
5216_2	13856952	8565793	Sensus
5218_1	13836148	Dogs	
5218_2	13833334	8565821	Sensus

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>Building</b>	<b>AMR Serial No.</b>	<b>Body Serial No.</b>	<b>Model</b>
5220_1	13882811	8565981	Envensys
5220_2	13878226	856505?	Envensys
5222_1	13888806	8565966	Envensys
5222_2	13886322	8565789	Envensys
5224_1	????	Dogs	
5224_2	13809228	8565794	Sensus
5226_1	13897791	8565790	Sensus
5226_2	13896380	8565967	Envensys
5258_1		5446565	Equimeter
5258_2		5446573	Equimeter
5313_1	13876097	8565984	Envensys
5313_2	13809231	8565954	Envensys
5318_1	13771874	8565958	Envensys
5318_2	13822488	8565956	Envensys
5320_1	13867571	8565985	Envensys
5320_2	13885406	8565983	Envensys
5465_1	13575615	8565970	S/E
5465_2	1387777	8565976	S/E
5512_1	13883821	8565900	S/E
5512_2	13809364	8565801	Envensys
5515_1	13837331	8565974	S/E
5515_2	13809363	8565952	Envensys
5544_1	13807622	8565955	Envensys
5544_2	13855628	8565973	Envensys
5546_1	13804389	8565969	Envensys
5546_2	13838225	8565946	Envensys
5559_1	13874113	8565968	Envensys
5559_2	13866622	8565977	Envensys
5568_1	13882907	8565965	Envensys
5568_2	13809672	8565931	Envensys
5607_1	13896660	8565975	Envensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Building	AMR Serial No.	Body Serial No.	Model
5607_2	13808006	8565951	Envensys
5641_1	13854474	8565964	Envensys
5641_2	13810218	8565953	Envensys
5642_1	13830205	8565934	Envensys
5642_2	13833335		Envensys
5658_1		5446571	Equimeter
5658_2		5446564	Equimeter
51433	13881395	8566112	Invensys
51434_1	13892317	8566090	Invensys
51434_8	13825652	8565891	Invensys
51435			
51436	13795580		
51437_1			
51437_5			
51439_1			
51440_1	13877772	8565896	Invensys
51440_3	13886855	8565850	Invensys
51440_5	13883677	8563923	Invensys
51441_1			
51442_1	13798060	8566612	Invensys
51442_7	13886854	8566095	Invensys
51446	13665749	8566110	Invensys
51447	13880788	8565879	Invensys
51453_1	13882906	8566103	Invensys
51549_1	13810144	8565922	Invensys
51501_1	13771872	8566102	Invensys
51501_3	13892690	8565899	Invensys
51501_5	13881388	8565905	Invensys
51503_1	13873343	8566097	Invensys
51504_1			
51505_1	13884399	8566101	Invensys

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Building	AMR Serial No.	Body Serial No.	Model
51505_3	13751199	8566096	Invensys
51505_5	13891285	8565888	Invensys
51506_2	13884398	8565904	Invensys
51506_4	13810145	8565898	Invensys
51506_6	13884398	8565895	Invensys
51507			
51541	13810552	8565912	Invensys
51543			
51547			
51549	13810144		
51603_1			
51603_3			
51607_1	13637757		
51608_1	13795579	8565856	Invensys
51607_3	13897794	8565906	Invensys
51609			
51611_1			
51711_1	13797090	8565875	Invensys
51731_1			
51731_3			
51731_5			
51733_2			
51733_4	13753460	8565843	Invensys
51733_6			
51736_1	13838224	8565845	Invensys
51738_1			
51738_3			
51749_1	13859398	8565917	Invensys
82206_2	5446483		
83001_1		5446541	Equimeter
83001_2		5446568	Equimeter

**TABLE 8**  
Existing Secondary Meters Connected to the AMR System  
*Natural Gas Distribution System, Fort Hood, Texas*

Building	AMR Serial No.	Body Serial No.	Model
83007_2	5446570		
83008_2	5446575		
84138_1	80113539		Equimeter
84138_2	80113924		Equimeter
84139_1	80113722		Equimeter
84139_2	80113721		Equimeter
84140	80114211		Equimeter
84141_1	80113724		Equimeter
84141_2	80114823		Equimeter
84142_1	80114210		Equimeter
84142_2	80113834		Equimeter
84143	80113926		Equimeter
90043	10896958		
1	10897570		
2	2000747126		
36015	7577849		EQUIMETER

Note: The number and location of meters on Fort Hood may change as on-going and projected projects are implemented. The meters presented in this table represent the Army's knowledge of meters as of the publication of this Attachment

## J2.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 9**. New secondary meters shall be installed IAW Paragraph C.13, Operational Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3.3, Metering, and J2.6 below.

**TABLE 9**  
New Secondary Meters  
*Natural Gas Distribution System, Fort Hood, Texas*

Meter Location	Meter Description
There are no new secondary meters required for the Fort Hood Natural Gas Distribution System	

## J2.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2, Submission and Payment of Invoices). 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:* DIRECTORATE OF PUBLIC WORKS  
ATTN (Barry Barnett- Contracting Command)  
III CORPS AND FORT HOOD  
*Address:* 4612 ENGINEER DRIVE, ROOM 76  
FORT HOOD, TEXAS 76544-5028  
*Phone number:* (254) 287-3054

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:* DIRECTORATE OF PUBLIC WORKS  
ATTN (Bobby Lynn- DPW)  
III CORPS AND FORT HOOD  
*Address:* 77<sup>TH</sup> AND WAREHOUSE AVE., BLDG. 4219  
FORT HOOD, TEXAS 76544-5028  
*Phone number:* (254) 287-3054

3. Meter Reading Report. The monthly meter reading report shall show the current and previous month's 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:* DIRECTORATE OF PUBLIC WORKS  
ATTN (Bobby Lynn- DPW)  
III CORPS AND FORT HOOD  
*Address:* 77<sup>TH</sup> AND WAREHOUSE AVE., BLDG. 4219  
FORT HOOD, TEXAS 76544-5028  
*Phone number:* (254) 287-3054

## J2.7 Energy Saving Projects

IAW Paragraph C.3.4, Energy and Water Efficiency and Conservation, the following projects have been implemented by the Government for conservation purposes.

- None

## J2.8 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the Fort Hood boundaries including the Main Cantonment area, North Fort Hood, West Fort Hood, the Ranges, and BLORA.

## J2.9 Off-Installation Sites

No off-installation sites are included in the privatization of the Fort Hood natural gas distribution system.

## J2.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 10** provides a list of service connections and disconnections required upon transfer.

**TABLE 10**  
Service Connections and Disconnections  
*Natural Gas Distribution System, Fort Hood, Texas*

Location	Description
There are no service connections or disconnections required upon transfer of the Fort Hood Natural Gas Distribution System.	

## J2.11 Government Recognized System Deficiencies

**Table 11** provides a list of Government recognized deficiencies. The deficiencies listed may be physical deficiencies, functional deficiencies, or operational in nature. If the utility system is sold, the Government will not accomplish a remedy for the recognized deficiencies listed. The Offeror shall make a determination as to its actual need to accomplish and the timing of any and all such deficiency remedies.

Physical and functional deficiencies may require capital to be invested in the system. If any deficiency remedy requires a capital upgrade project, the capital upgrade project shall be proposed according to the following:

- Capital upgrade projects required to bring the system to standard shall be proposed under Schedule L-3.
- Capital upgrade projects required to replace system components shall be proposed in the first years of Schedule L-2 and the cost factored into Schedule L-1 for Renewals and replacements as part of CLIN AA.
- Transition costs shall be proposed as a one-time cost and shall be treated similar to a capital project and included in Schedule L-3.

- Improvements proposed in the operational component of the work shall be included in Schedule L-1 as part of CLIN AA.

**TABLE 11**  
System Deficiencies  
*Natural Gas Distribution System, Fort Hood, Texas*

<b>System Component</b>	<b>Deficiency Description</b>	<b>Type of Project</b>
Distribution System	Some valves and distribution system piping are beyond their projected useful life. Replacement of system components that are beyond their useful lives and are not performing as designed should be made.	Renewals and Replacement
Cathodic Protection System	Maintenance of the cathodic protection system has been inadequate. The Offeror should assess the condition of the cathodic protection and make repairs as necessary to ensure compliance with 49CFR192.465.	Capital Upgrade
Leak-Detection Surveys	Leak detection surveys, as required by code, have been inadequate. The contractor must perform leak-detection surveys in compliance with governing codes.	O&M
Pressure Limiting Devices	Fort Hood regulator stations are in violation of code because they do not have operational pressure-relieving devices. The contractor should assess the condition and need for pressure-limiting devices at the regulator stations and make the necessary improvements to ensure compliance with code.	Capital Upgrade
Regulator Maintenance	Maintenance of regulators has been inadequate according to applicable codes. 49CFR192.739 states that regulating equipment must be maintained, checked, and tested to show that it is in good mechanical condition, still has adequate capacity and reliability, still set at the correct pressure, and properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.	O&M
Valve Maintenance	Maintenance of valves has been inadequate according to applicable codes. 49CFR192.747 states "Each valve, the use of which may be necessary for the safe operation of a distribution system, must be checked and serviced at intervals not exceeding 15 months, but at least once each calendar year."	O&M
Operating Procedures	Operating procedures for the natural gas distribution system need to be updated.	Transition