



<b>Approved Meter Service Devices</b>
<b>Table 2</b>
<b>Single Phase Overhead, Single Position Underground Entrance</b>



200Amp or 400 Amp Service W/ 120/240V **Require: 4 Terminal Socket or 5 Terminal**  
 200Amp or 400 Amp Service W/ 208/120V **Require: 5 Terminal Socket**

MFG. & Catalog #	5th Terminal	Service	Dimensions (In)	Teremional Size		Bypass Type
	Catalog #	Amps	H*W*D	(Awg. Or KCMIL)		
	If Required			Min	Max	
<b>Cutler Hammer (Eaton)</b>						
1004884A-CH	ARP00035CHJ	200	13"x13"5"	#8	350	Horn
1004984A-CH	ARP00326CH	400(CI 320)	36 <sup>5/8"</sup> x 15" x 6"	See Note 1		Lever
<b>Midwest</b>						
1004884A-MEP	ARP00035MEP	200	13"x13"5"	#8	350 KCMIL	Horn
1004984A-MEP	ARP00326MEP	400(CI 320)	36 <sup>5/8"</sup> x 15 x 6"	See Note 1		Lever
<b>MilBank</b>						
U1980-0-KK-BL	K5T	200	15 <sup>1/2"</sup> x13x4 <sup>1/2"</sup>	#2	350 KCMIL	Horn
U4413-0-KK	K5T	200	15 <sup>1/2"</sup> x13x4 <sup>1/2"</sup>	#2	350 KCMIL	Horn
U3939-X	N/A	400(CI 320)	30" x 15 <sup>3/4"</sup> x 5 <sup>3/4"</sup>	See Note 1		Lever
U3126-0-KK-BLG	K5T	400(CI 320)	15 <sup>1/2"</sup> x 13" x 4 <sup>1/2"</sup>	See Note 1		Lever
<b>Square D</b>						
1004984A-SQD	ARP00326SQD	400(CI 320)	36 <sup>5/8"</sup> x 15" x 6"	See Note 1		Lever
<b>Talon (Seimans)</b>						
UAS817-PPGP	659-0121	200	14"x13"x5"	#6	350 KCMIL	Horn
HUAS817-PPGP	659-0121	200	14"x13"x5"	#6	350 KCMIL	Horn
UAS877-PPGP	659-0121	200	14"x13"x5"	#6	350 KCMIL	Horn
HUAS877-PPGP	659-0121	200	14"x13"x5"	#6	350 KCMIL	Horn
1004984A	N/A	400	28 <sup>1/2"</sup> x 15" x 6"	See Note 1		Lever
44704-82	N/A	400	34" x 20" x 6"	See Note 1		Lever
44704-82PP	N/A	400	34" x 20" x 6"	See Note 1		Lever

<b>Recent Updates</b>
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Effective: April 1st, 2023

Rules For Electric Meter Service Installations


Approved By: Tom Cope

UGI Table 1 Meter Specifications / Notes	
1	All 400(CI320) meter bases require bolt on terminal lugs that can accept up to 350 KCMIL
2	All meter sockets listed above are suggestions and commonly used throughout the UGI territory. Customer meter sockets (categorized to Table 2) are not limited to this list, but, must conform to the notes 4 - 11
3	All meter bases must be ringless bases.
4	All meter bases must contain either a horn or lever bypass (Rated to 100% continuous duty). All 400(CI320) require a lever bypass.
5	All meter sockets must be lockable via a seal otherwise known as a sealable meter socket.
6	Meter bases used in 208/120V services, 3 wire services must contain a 5th terminal in the 9 o'clock position to accommodate the 12S meter.
7	All meter bases must be approved by the area technician. Upon inspection the tech should be provided with the meter sockets manufacture and catalog number.
8	When aluminum conductors are used, the surface of the conductor where the conductor meets the lug should be coated in an corrosion inhibiting compound in accordance with the cable manufacture specs/ recommendations.
9	UGI does not permit the use of studed terminals in any meter sockets.
10	All meter bases must be UL approved and from the manufactures listed within table 2.
11	Conduit for the utility lines must be placed directly under the utility terminals inside the meter base. (To allow for proper installation of the conductors)

# RULES

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## I. RULE 1 – GENERAL

- A. Initial Inquiry – In order to avoid additional expense and minimize delays, UGI should be contacted before work has started on any electric service installation. An authorized Company representative **will specify the service location** and obtain information necessary to properly supply the service and apply the provisions of the Company's tariff. The Company may refuse to commence service when, in the Company's opinion, the Customer's installation does not conform to UGI's tariff. Furthermore, the Customer is responsible for changes in the service installation required by the Company before service is supplied.
- B. Services Available – The Company supplies alternating current only at a nominal frequency of 60 hertz. Available voltages are as specified in the Company's tariff and shown in the table below. However, not all service voltages are available in all areas. Before purchasing electrical equipment or proceeding with any wiring, information regarding the type of service available should be obtained from the Company.
- C. Service Voltages < 600V

Phase	Wires	Voltage	Notes
1PH	2	120	1
1PH	3	120/240	2
1PH	3	120/208	3
1PH	3	240/480	4
3PH	3	240 OR 480	5
3PH	4	120/208	6
3PH	4	120/240	6
3PH	4	277/480	6

Notes:

1. Single phase, 2 wire service is available for limited loads such as traffic signals, small signs, and cable television amplifier installations.
2. Single phase, 3 wire service is generally available for residential, general lighting, and power service.
3. Single phase, 3 wire service is typically used for apartment buildings served through a three phase, 4 wire common service with multiple of single phase, 3 wire, loads.
4. Single phase, 3 wire service is only provided for special applications.
5. Three phase, 3 wire service is available when two phase distribution is available or when requested.
6. Three phase, 4 wire service is provided for commercial and industrial services.

D. Service Voltage >600V

High voltage service is provided at line voltage from the nearest suitable high line voltage line and typically the customer installs, owns, and maintains all equipment necessary to transform the voltage. In some cases UGI has provided the transformers.

High voltage service is available at distribution line voltage of 13,800 volts for single phase and three phase services for customers whose minimum demand is not less than one hundred kilowatts.

High tension service is available at transmission line voltage of 66,000 volts for three phase service for customers whose minimum demand is not less than two thousand kilowatts.

E. Customer Responsibility

1. Application for Service – The Customer must notify the Company well in advance of the date service is desired. It is necessary to complete an application for service and in some cases deposits are required. (Note: The receipt of a Fire Underwriter's inspection at the Company office does not constitute an application for service.) The following information must be supplied before service will be rendered: Customer account number (if not a new installation), Customer name, Customer phone

number(s), service and mailing address, nearest UGI pole number (10-digit), load data, and type of dwelling or business.

2. Right-of-Way – Where necessary, the Customer shall provide an adequate right-of-way for UGI to supply service to customer premises. An adequate right-of-way will consist of a strip of land as specified by the Company which must remain open and accessible so that the Company can perform line improvements, clearance, and maintenance as may be from time to time required.
3. Tree Trimming – If tree trimming is required to accommodate the installation of any power lines on private property, it will be the Customer’s responsibility to provide the initial trimming as directed by the Company, and any future trimming around the service wires. The Company will perform subsequent trimming as it considers necessary to maintain adequate clearance to its facilities.
4. Inspections – The wiring and appliances on the premises of the Customer must be installed in accordance with and conform to the latest rules and requirements of the National Electrical Code, and other such state or municipal regulations as may be applicable. It will be the Customer’s responsibility to obtain all necessary electrical inspections prior to connection by the Company. UGI does not recommend one electrical inspection agency or electrical inspector in preference to another. The choice of agency or inspector who are certified can be found by the Commonwealth of Pennsylvania Department of Labor and Industry list. Furthermore, the Company shall have the right, but shall not be obligated, to examine the Customer’s installation at the time service is first supplied or at a later time. If at any time, the Company finds the wiring, fixtures, or appliances of the Customer to be defective or dangerous, the Customer will be informed and service may be refused or discontinued unless the condition is corrected. The Company’s responsibility extends only to the supply of service at the point of delivery.
5. Metering Devices and Equipment – The Customer shall provide, without charge, a suitable location for the meter or meters, transformer or transformers, or other equipment of the Company along with an adequate point of attachment for the service drop. The location of these items will be specified by the Company and must be of convenient access to meter readers or inspectors. Meters must be located between

four and six feet above final grade. The list of acceptable meter devices can be found in the tables.

Tampering, interfering with, or breaking of seals on meters, switches, or other equipment of the Company installed on the Customer's premises is prohibited. Offenders will be prosecuted to the fullest extent of the law.

6. Connection of Multiple Conductors – When a Customer installs a service entrance consisting of two or more conductors per phase, it is the Customer's responsibility to install, own, and maintain the necessary equipment to bring all conductors for each phase and the neutral to a common single connection. For specific information regarding situations of this nature the Company should be contacted.
7. Change of Connected Load – When a Customer's service is connected to the Company's system, arrangements are made for meters, transformers, and other equipment to supply the load at that time. It is essential that Customers notify the Company of any appreciable increase or decrease in load. It is also advisable that the Customer consult the Company regarding equipment so that the proper type will be obtained. The Company will hold the Customer liable for any damages caused by increases in load added to its system without permission.
8. Change or Relocation of Company Facilities – Any alterations or changes in service connections, or relocation of service connections, or Company's facilities supplying individual Customers shall be at the expense of the Customer when any of said contingencies are requested by the Customer.
9. Upgrading or Replacement of Service – If existing service entrance equipment is upgraded or replaced, the Customer shall provide a safe means of maintaining electrical service until the required inspections are obtained and the Company permanently connects the new entrance equipment to its lines. Under no circumstances will the Company allow two meters to be installed for the purpose of allowing the Customer to transfer load from one panel to another. The Company will make only one trip to a premises for upgrading or replacing of service equipment. If additional trips are required, the customer will be billed.
10. Liability for Damages – The Company assumes no responsibility for any damage done by, or resulting from any defect in the wiring, fixtures, or appliances of the Customer. In the event that any loss or damage to property of the Company, or any accident or

injury to persons is caused by or results from the negligence or wrongful act of the Customer, his agents or employees, the cost of the necessary repairs or replacement or injury shall be paid by the Customer to the Company; and, any liability otherwise resulting shall be the responsibility of the Customer.

F. Company Responsibility – The Company will supply electric service of the highest quality consistent with reasonable cost. However, the Company cannot guarantee continuous uninterrupted service to any Customer and will not assume responsibility for damages resulting from its interruption.

1. Company Installation – The Company will provide the necessary equipment for service up to the point of delivery along with necessary metering devices, after the Customer’s responsibilities have been met. Only one source of supply to a premises at a single point of delivery will be allowed in most cases. The point of delivery on overhead service is the point of connection to the Customer’s service entrance conductors. On an underground residential service, installed by UGI, the point of delivery is normally the line side of the Customer’s meter trough. (UGI will not install underground services to commercial or industrial Customers.) The point of delivery for any Customer installed underground is at the point of connection to the Company’s supply system.

Overhead service is normally supplied at no charge to Customers within 100 feet of existing Company facilities. If the Customer requires an unusually long service, more than 100 feet from Company facilities, or desires underground service, minimum monthly bills and/or aid to construction charges may apply. The Company should be contacted for information regarding these situations.

Connection of Company facilities and Customer equipment shall be made only by authorized UGI employees. Every reasonable effort will be made to coordinate work with the Customer on both new and upgraded installations.

2. Company Owned Services – In the late 1960s and early 1970s the Company purchased new service installations from many Customers. The Company agreed to maintain the following equipment on these installations: weatherhead, service cable and/or conduit, meter trough, grounding, main panel box, and the main circuit breaker. The Customer is responsible for all branch breakers and the wire fed from them.



Some installations are identified by a sticker, which reads "Property of UGI Utilities, Inc.," placed on the main panel box or the meter trough. A record is also kept by UGI, at the office, of all "Company owned services."

The Customer forfeits all maintenance privileges when he alters, relocates, or upgrades one of these services. UGI has a program in place to replace these company owned installations and turn over the ownership back to the customer. If the customer refuses this service, then the company owned service will be terminated and ownership will revert to the customer.

3. Service to Motors – The Company reserves the right to determine the method of supply and/or to prescribe restrictions on the method of operation, when necessary, of loads which may cause flicker on the service of its Customers. Anyone intending to install such a load must notify the Company prior to its proposed addition. All load information must be provided to the company at the time of application. Service will not be supplied to fluctuating loads of appreciable size without a comprehensive review by the Company.
4. Customer Information – The Company does not accept responsibility for any information given to a Customer or applicant for service unless such information is furnished by the assigned authorized representative and, when requested, confirmed in writing.
5. Identification – Employees of the Company are furnished with I.D. cards and/or badges. All Customers should refuse admission to their property of any persons not having the proper identification.
- G. Rate Information – All rate schedules are available on-line. For information regarding rates, available voltages, and any other rules covered in the Electric Service Tariff, the Marketing Department should be contacted.

# RULES

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## VI. RULE 6 – COMMERCIAL SERVICE – UNDERGROUND

### A. General Information

1. The service shall be owned by the customer. The Customer shall furnish, install, and maintain the service.
2. The location of metering equipment shall be designated by a Company representative, in accordance with Rules 8, 9, and 10 of this document.
3. The service shall be extended to a point designated by a Company representative.
4. The Company will terminate the service to the Company's facilities.
5. Any required contribution in aid of construction must be received by the Company before the service is connected to the Company's facilities.

### B. Underground Service from Overhead Secondary Facilities (for Service Voltages < 600 V)

The Customer shall furnish, install, and maintain the underground service. The service conduit may be installed on a pole or support belonging to the Customer or a Company owned pole. (Service entrance equipment, meter socket, disconnect, etc., will not be permitted on a Company pole or located on a pole within PennDot's road right of way.)

When a Customer pole or service support is utilized, the Company will attach its overhead service drop to this structure and make the connection to the Customer's service conductors at this point. The Company's facilities are then a standard overhead service.

If the Customer elects to utilize an accessible Company pole, they must first obtain permission from a Company representative. Upon receiving permission, the Customer may install service conduit on the designated pole. The conduit should be terminated with the proper weatherhead one foot from the Company's existing secondary conductors or as specified by the Company. A minimum of three feet of conductor must extend from the conduit for connection by the Company.

In all cases of Customer installed underground, the Customer is responsible for all facilities, excluding Company furnished metering equipment, beyond the Company's point of attachment.

The following are general specifications which can be used in planning a Customer installed underground service. For additional information, see Sketches No. 10, No. 11, and No. 12.

1. Parallel services will be permitted only upon Company approval and when installed, all services must be served from only one transformer or transformer bank.
  2. The customer shall confirm with the Company that the service wire size and type is compatible with Company facilities.
  3. The location of a Customer owned service pole or support will be designated by the Company and must provide adequate clearances as specified by the National Electric Safety Code. Sufficient space must be available for the connection of the Customer's conductors to the Company service drop. If the pole or service support must be guyed to offset the pull of the Company's service drop, it will be furnished, installed and maintained by the Customer.
  4. If the Customer's underground service is to be terminated on a pole or service support owned by a third party and to which the Company has no attachment rights, the Customer must secure, at their own expense, the necessary permission in writing and construction specifications, if available. The Company will not attach its conductors to such a support until evidence of the required permission is presented by the Customer. The company has the right to accept or reject the third party attachment.
  5. The Customer's underground service conductors must be continuous without joints or splices from the weatherhead to the metering equipment.
  6. It is recommended that the Customer's underground service conductors be buried at least 30 inches below finished grade. The conductors must be installed in conduit as specified by the National Electric Code.
  7. When the Customer's underground service extends beneath a public road, it must be installed in threaded galvanized rigid steel conduit at a minimum depth of 30 inches (36 inches or more depending on the permit's requirements). Any necessary permits from the governing body having jurisdiction, must be obtained by the Customer.
  8. After all required inspections have been received by the Company, arrangements will be made for connection of the Customer's service conductors. However, only underground services which the Company accepts as properly installed and maintained by the Customer will be connected or be permitted to remain connected to the distribution system of the Company. Any further modifications will require an inspection.
- C. Underground Service from Underground Secondary Facilities or Pad Mounted Transformers (for Service Voltages < 600 V)

The Customer shall furnish, install, and maintain the underground service. In all cases of Customer installed underground, the Customer is responsible for all facilities, excluding Company furnished metering equipment, beyond the Company's point of attachment.

The following are general specifications which can be used in planning a Customer installed underground service. For additional information, see Sketches No. 10, No. 11, and No. 12.

1. It will be the responsibility of the Customer to provide satisfactory easements, as specified by the Company, for any required Company facilities, such as pad mounted transformers, switches, and Company owned underground cable. The customer must clear the ground in the areas where these facilities are to be installed. The area must be clear of trees, stumps, and other obstructions and rough graded to within 6 inches of final grade. Since installation and maintenance of Company equipment requires ready access, no structure, of any type, will be allowed on Company easements. If the Customer requests the Company to alter its facilities as originally installed and the Company agrees to do so, it will be at the expense of the Customer. Company vehicles needing access for construction must be able to access the site.
2. The Customer shall provide, install, own, and maintain facilities necessary to accommodate Company furnished equipment, in accordance with the Company's Transmission and Distribution Construction Specifications Manual, section 02-04.
3. The Customer shall confirm with the Company that the service wire size, type, and quantity is compatible with Company facilities.
4. The Customer's underground service conductors must be continuous without joints or splices from the Company's point of attachment to the metering equipment.
5. It is recommended that the Customer's underground service conductors be buried at least 30 inches below finished grade. The conductors must be installed in conduit as specified by the National Electric Code.
6. When the Customer's underground service extends beneath a public road, it must be installed in threaded galvanized rigid steel conduit at a minimum depth of 30 inches (36 inches or more depending on the permit's requirements). Any necessary permits from the governing body having jurisdiction, must be obtained by the Customer.
7. After all required inspections have been received by the Company, arrangements will be made for connection of the Customer's service conductors. However, only underground services which the Company accepts as properly installed and maintained by the Customer will be connected or be permitted to remain connected to the distribution system of the Company.

## Underground Service > 600 V

- A. Three phase high voltage service is available at a distribution line voltage of 13,800 V (phase to phase) and single phase high voltage service is available at a distribution line voltage of 7,960 V (phase to ground) for customers whose minimum demand is not less than one hundred kilowatts. These services may not be available in all areas, or to all customers.
- B. Because of the complexities of serving services greater than 600 V, extra time will be required for engineering and construction. Allow at least one year for high voltage service.
- C. The Customer's service location will be designated by an authorized Company representative. This point will be the most practical and accessible from the Company's existing facilities.
- D. The Customer must provide adequate space on his property and right-of-way, if necessary, from the Company's nearest distribution line to the point of delivery. This is necessary for the Company to install and maintain required facilities.
- E. The customer shall install, own, and maintain all equipment necessary to transform the voltage. This equipment shall be installed and maintained according to all applicable codes.
- F. The customer shall own, install, and maintain a disconnection device to isolate the customer's facilities from the Company's facilities. This equipment shall be installed and maintained according to all applicable codes. The disconnection point shall provide a visible break when opened, and shall allow for grounds to be installed when servicing.
- G. The customer shall specify, own, install, and maintain protective equipment. This equipment shall be installed and maintained according to all applicable codes. The Company reserves the right to review and approve the main protective device between the customer and the Company.

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**UGI** This page last modified: 26 May 2023 (individual sections indicate last date modified)

# RULES

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## VIII. RULE 8 – METERING – GENERAL

- A. The Customer shall provide, without charge to the Company, space to accommodate the Company's meters and associated equipment at the point of delivery or nearest suitable location designated by an authorized Company representative. The preferred meter location is the front or front side exterior of the structure whichever is closest to company facilities. The area chosen shall be readily accessible to Company personnel at all times for reading, testing and replacement of equipment. It shall be clear of any obstructions which require service personnel to go around or over to read or service the meter.
- B. The capacity and type of meter installation needed to accommodate the Customer's load and type of service shall be determined by the Company.
- C. The Customer must install the meter socket or panel at the designated location approximately 4' to 6' above finished ground or floor level. It shall be installed level and plum and securely fastened to the structure or other support not subject to vibration. Locations will be chosen so that the meter is protected from mechanical damage and does not interfere with pedestrian or vehicular traffic.
- D. Customer metering equipment shall not be installed on company poles.
- E. Meters shall be installed, removed, and/or relocated only by authorized employees of the Company.
- F. Metered and unmetered conductors are not to be installed in the same conduit or raceway.
- G. Meter troughs, transformer cabinets, or other metering equipment are not to be used as junction boxes.
- H. The Company's meters are to be located outdoors. Older indoor meter locations do exist and when upgrades or replacement is necessary, meters must be relocated outdoors.
- I. A 4' minimum clearance measured from the wall on which the meter trough and/or instrument transformer cabinet are mounted, must be provided directly in front of these devices. The installation must also not interfere with the opening of doors or windows.
- J. It is prohibited to recess meter bases, enclose meter bases, or mount meter bases lower than 5 feet. No trees or shrubs should be planted around meter bases to conceal them.



# RULES

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## XI. RULE 12 – Customer Equipment Requirements

- A. All customer wiring and electrical apparatus shall be installed, maintained, and operated by the customer in accordance with all applicable codes. Any new, changed, or upgraded electric service equipment shall be inspected and approved by individuals who are currently licensed in the state of Pennsylvania. A fire underwriters inspection card will be required prior to any permanent company connections. All inspections cards should be submitted by email.
- B. UGI Utilities does not inspect any of the customer wiring. UGI Utilities will check the meter base prior to making any connections to see that the facilities are installed according to the rules of this specification. UGI Utilities will perform a quick test in the meter base to look for any electrical shorts before connecting the meter. The customer main disconnect should be in the open position. If any defects are found, the service will not be connected until all defects are repaired and reinspected. The customer will be charged for all additional trips.
- C. If a customer's service must be de-energized for any unsafe condition, flooded meter base or panel, fire, or storm damage, a power restoration card will be issued to the customer. The customer is responsible to make all necessary repairs and have the service repairs inspected. When the crew arrives to re-connect the service, the crew shall verify that a valid inspection card is present before making any connections. If repairs have not be made properly, the customer will be billed for the wasted trip. The power restoration card is valid for three days.
- D. An electrical inspection is required anytime power has been disconnected, and there is a fire to a premise regardless of whether or not there has been any damage to the electrical service equipment. If a neighboring premise has had their meter pulled due to a fire, they will also require an inspection prior to being re-connected.
- E. An electrical inspection is required anytime the meter base or electrical panel was flooded.
- F. In the past the company installed several meter bases and electrical panels on customer property for the customer's service. These installations are known as company owned services. The service equipment at these locations consist of the



meter base, the entrance cable, the electrical panel, and the main breaker. UGI Utilities is responsible for the replacement or repair of these installations. Anytime a customer changes or upgrades any of these components, the installation becomes the customer property. Customers are responsible to inform the company of any changes. Inspections of company owned services is done on a regular basis to ensure its integrity. The customer must comply with all inspection requests.

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