



City of Palo Alto City Council Staff Report

(ID # 5494)

Report Type: Action Items

Meeting Date: 3/2/2015

Summary Title: Amend WGW Connection Fees

Title: Public Hearing: Adoption of a Resolution Amending Water, Gas and Wastewater Connection and Capacity Fees and Miscellaneous Utility Charges (Utility Rate Schedules S-5, G-5, W-5 and C-1)

From: City Manager

Lead Department: Utilities

RECOMMENDATION

Staff and the Utilities Advisory Commission (UAC) recommend that the City Council adopt the attached resolution amending the following Utility Rate Schedules: W-5 (Water Service Connection Fees), G-5 (Gas Service Connection Fees), S-5 (Wastewater Service Connection Fees), and C-1 (Utility Miscellaneous Charges), effective May 1, 2015.

BACKGROUND

The Utilities Department provides service connections to meet customers' needs for new gas, water, wastewater and electric services. Service connection fees and service call fees are designed to recover costs that the Utilities Department incurs to provide installation, connection, inspection and engineering of new service connections, including labor, equipment and other associated charges. Service connection fees also cover all charges related to the installation, relocation or abandonment of gas, water and wastewater services, which include Utility plan review charges, meter and hydrant installations and other service installation and inspection costs.

The proposed changes also add some new meter sizes to the existing capacity fee options for water and wastewater service. No increases are proposed to any existing capacity fees.

The method used for recovering the costs is either: a single fee based on average conditions or an estimated cost based on unusual field conditions. Most service connection costs are recovered through the single fee methodology, with the single fees presented in the attached rate schedules W-5, G-5, S-5 and C-1. Unusual field conditions and the associated costs are determined by the Utilities Engineering Manager. The connection fees typically are a sum of the costs of labor, materials, equipment, overhead, street paving, meter costs (where applicable), and landfill dump charges.

The last time a cost-of-service study of connection fees, excluding capacity fees, was performed by staff was in 2008. The water and wastewater capacity fees study was performed by Black and Veatch that same year. Both the connection fees and capacity fees increases were approved by Council in 2008 following the studies, with the phase-in of only the capacity fee increases in 2009 and 2010 to manage the impact of the increases to mainly developers of new residential single family and multi-family dwellings, and hotel construction (CMR: 227:08, CMR 222:09, and CMR: 214:10). Staff's recent internal cost-of-service study of connection and service-related costs indicates that current fees do not fully recover the Utilities Department's direct and indirect costs; therefore, an increase is necessary.

Fees are developed to cover standard connections under basic assumptions. New items are added to the rate schedule to cover additional scenarios and changing conditions. However, engineering estimates are required to determine the appropriate fees for special requirements that arise occasionally.

DISCUSSION

Besides the changes proposed and described below, staff reviewed each of the attached rate schedules for clarity, making edits as needed to improve readability and ensure that defined terms used in Rule 2 (Definitions and Abbreviations) were properly capitalized in each rate schedule. All changes are shown in redline and attached.

Water-Gas-Wastewater Connection Fees

The proposed increases in water, gas, and wastewater connection fees are due to a combination of factors including higher labor rates, additional meter costs, and an increase in work time to reflect the actual time required to complete each job. The proposed water service connection fees increased on average 87% with a decrease on average of 14% for domestic, irrigation and fire combined service connection charges; the proposed gas service connection fees increased on average 94%; and the proposed wastewater service connection fees increased on average 41%.

The largest proposed fee increases are for meter installation charges for water and gas services. The current fees for domestic water and gas meter installations do not cover the material cost of the meter box and the new standard electronic water meter (E-meter) which was adopted in the 2013 Water, Gas, and Wastewater Utility Standards. They also do not cover the labor costs for setting or inspecting new meters on new or existing services.

The proposed connection fee schedules will also recover utility plan review costs through the proposed addition of standardized utility plan review fees, along with engineering and inspection costs for a variety of utility work performed by outside contractors. Standardizing these fees will shorten the permit issuing process by eliminating the labor intensive estimation work that was done previously for water, gas and wastewater utility plan reviews and engineering and inspection work for unusual/large projects. In addition, new fees for tapping

water and gas mains are proposed to be added to the connection fee schedules to provide an option to customers who prefer to use their own contractors for the service installation.

Per Palo Alto Municipal Code Titles 15 and 16 (Palo Alto Fire Code and Building Regulations), adopted in 2008, all new construction or renovation of one- and two-family dwellings is required to install automatic sprinkler systems. The proposed decreases in new water service connection fees, on average 14%, are due to combining domestic water, fire, and/or irrigation capability into one system. New customers will be charged, under the proposed fee schedule, for installing only one pipe servicing any purpose (fire, domestic or irrigation).

Tables 1, 2, and 3 present a summary of the proposed changes to Gas, Water, and Wastewater Service Connection Fees, respectively.

**Table 1 – Summary of Proposed Changes to Gas Service Standard Connection Fees
(Attachment B – Utility Rate Schedule G-5)**

<u>Rate Schedule Section and Title</u>	<u>Reason(s) for Proposed Changes</u>
B.1 & B.2 Plan Review Fees	New standardized fees to shorten processing time for permit issuance. Fees are based on estimated hours for plan review. Mainly used for commercial projects in excess of \$200,000 and new subdivisions.
B.3 Distribution System Extension Charge	Increased labor rates and installation time
B.4. Connection Charge for Service Installed on Existing Main - directionally bored connections	Increased labor rates, material costs, and installation time
B.4 Connection Charge for Service Installed on Existing Main - trenched connections and contractor provided trenches	Provides fee for when field conditions call for open -trench method, instead of directionally bored (trenchless) method Provides an option for customers who wish to have their contractor provide the trench for service installations by City staff
B.5 Meter Charges	Increased material costs and inclusion of actual labor costs for setting and inspection of meters
B.5 4" Bollard	New standard bollard size
B.6 Additional meters on existing and new services	Increased material costs and inclusion of actual labor costs for setting and inspection of meters
B.7 Service Riser Relocation	Increased labor rates and relocation time
B.9 Tapping the gas main for contractor installed services	Provides an option to customers in wanting to employ their own contractor for the service installation. City staff will perform tapping of live gas main.
D.1 Engineering and Inspection Service Fees	Increased labor rates. New standardized fees to shorten processing time for permit issuance.

**Table 2 – Summary of Proposed Changes to Water Service Standard Connection Fees
(Attachment D – Utility Rate Schedule W-5)**

<u>Rate Schedule Section and Title</u>	<u>Reason(s) for Proposed Changes</u>
B.1 Plan Review Fees	New standardized fees to shorten processing time for permit issuance. Fees are based on estimated hours for plan review. Mainly used for commercial projects in excess of \$200,000 and new subdivisions.
B.2 Distribution System Extension Charge	New standard material and larger minimum diameter pipes for mains
B.3 Service Connection Charges (for Domestic, Fire, & Irrigation)	Combining of Domestic, Fire, and Irrigation for multiple purposes reduced required work hours and material costs for installation
B.4 Meter Charges	New standard electronic (E-meter) and compound meters and inclusion of actual labor costs for setting and inspection of meters
B.5 Additional Meters on Connection	New standard electronic (E-meter) and compound meters and inclusion of actual labor costs for setting and inspection of meters
B.7 Capacity Fees	New minimum fixture units are proposed to align meter size with customer-identified on-site current and future demand
D.1 2-Meter Manifold	Increased labor rates and material costs
D.2 Service Abandonment	Increased time for demolition due to unpredictable underground field conditions
D.3 Meter Installation	Standardized fee for engineering and inspection for large meter purchase and installation by other parties
D.4 Hydrant Installation	Increased installation time and material costs
D.5 Tapping the water main for contractor installed services	Provides an option to customers who want to employ their own contractor for the service installation. City staff will perform tapping of live water main.
D.6 Engineering and Inspection	Increased labor rates. New standardized fees to shorten processing time for permit issuance.

**Table 3 – Summary of Proposed Changes to Wastewater Service Standard Connection Fees
(Attachment F – Utility Rate Schedule S-5)**

<u>Rate Schedule Section and Title</u>	<u>Reason(s) for Proposed Changes</u>
B.1 Plan Review Fees	New standardized fees to shorten processing time for permit issuance. Fees are based on estimated hours for plan review. Mainly used for commercial projects in excess of \$200,000 and new subdivision.
B.2 Collection System Extension Charge	Increased labor rates, material costs, and installation time
B.3 Connection Charges	Increased labor rates and material costs
B.3 Connection Charges - Rehab Existing Lateral	Provides option for customer with existing vitrified clay pipe and other laterals that can be rehabilitated by trenchless rehabilitation methods
B.5 Capacity Fees	No changes
D.1 Install Manhole	Increased labor rates, materials costs, and time for installation due to traffic congestion, night time work, and difficult underground field conditions
D.2 Abandonment and Demolition	Increase labor rates and time for demolition due to difficult underground field conditions
D. 3 Install New Cleanout	New standard fee for cleanout installation
D.4 Engineering and Inspection Fees	Increased labor rates. New standardized fees to shorten processing time for permit issuance.

Capacity Fees

No increases are proposed to any existing capacity fees, but some new meter size options are being added to align meter size with customer demand. A minimum number of fixture units is proposed for 4-inch and 6-inch water meters; currently no minimum is required. The proposed minimums offer an incentive for customers to accurately report the number of fixture units and to request meters that will supply their stated fixture units and corresponding gallons-per-minute of demand. The City installs water meters to match the customer's demand as stated on the Customer Utility application/load sheet. Customers who want a large 4-inch or 6-inch compound meter will need to meet the proposed minimum number of fixture units on the application/load sheet or pay the capacity fee based on this minimum number of fixture units, with additional fixture units beyond the minimum number to be calculated at \$125.00 per fixture unit.

Utility Miscellaneous Charges (Attachment H – Utility Rate Schedule C-1)

Utility Rate Schedule C-1 covers flat rate charges for service calls related to service disconnection and restoration for non-payment. In addition, labor rates per hour per person

for non-standard service work have been revised and the proposed rates are increasing 13% to reflect updated labor costs since 2002. The proposed service call flat rates are increasing 35 percent due to increases in pension and medical costs, market salary re-alignment, and additional infrastructure expenses since 2008.

Connection Fees in Other Local Utilities

The proposed fee changes for the water utility will be more in-line with other local utilities. Attachment K, Connection Fees Comparison 2014, shows some of the comparable water utility connection fees with other local utilities. There were no comparable gas utility connection fees and most local utilities do not own wastewater laterals.

The proposed fee changes were developed in accordance with the Mitigation Fee Act (California Government Code Section 66000 – 66008), which governs water and wastewater utility connection and capacity charges. The Act sets forth notice and hearing procedures and requires that fees not exceed the estimated reasonable cost of providing the service for which the fee is imposed. Although the City's gas connection fees and service call fees are not covered by the Act, the City has followed its procedural and substantive requirements with respect to these cost-based fees, for transparency and ease of administration.

Government Code 66016 requires that prior to levying a new or increased fee or service charge, the City Council must hold at least one public meeting to listen to any oral or written presentations on the fees. If approved, the proposed fee changes will take effect on May 1, 2015, 60 days after the City Council adopts the resolution amending the fees, in accordance with Government Code Section 66017.

BOARD/COMMISSION REVIEW AND RECOMMENDATION

At its meeting on December 10, 2014, the Utilities Advisory Commission discussed the change in the total cost due to the proposed change in fees for a homeowner. Staff indicated that every service is different, but for a typical residential customer needing gas, water and sewer services, the cost would change from \$13,700 to \$17,400, a 27% increase. Some commissioners asked how long it has been since the fees have changed and how the fees compare to those for other entities, such as PG&E for gas and other entities for sewer. Staff replied it has been at least 5 to 6 years since the fees were changed and fees for PG&E gas connection services are not comparable because the PG&E fees are prepared by PG&E estimators on a case by case basis. For sewer connection services, Palo Alto is different from other jurisdictions since the City owns the lower sewer laterals. In most other agencies, the customer owns the entire sewer lateral so the agencies don't have comparable connection fees. Staff plans to evaluate the option of transferring ownership of the lower sewer lateral to the customers and go through the policy change process, after the laterals have been examined and/or repaired as a result of the cross-bore inspection program.

Staff indicated that when fees change, as a courtesy to customers, the City sends a letter to those with projects on file and provides a 90-day period during which the customers can pay

the fees under the old rates. Some Commissioners were concerned that projects might not be far enough along in the planning phase preventing fee estimates from being firmed up. Staff explained that generally, if there is a project on file, the City has already provided an estimate of the fees.

A motion was made and seconded to approve staff's recommendation. The motion passed unanimously (6-0 with Chair Foster, Vice Chair Waldfogel, Commissioners Cook, Eglash, Hall and Melton voting yes, and with Commissioner Chang absent) to recommend that the Council amend the following Utility Rate Schedules: W-5 (Water Service Connection Fees), G-5 (Gas Service Connection Fees), S-5 (Wastewater Service Connection Fees), and C-1 (Utility Miscellaneous Charges).

RESOURCE IMPACT

Based on the assumption that the fee changes will take effect in May 1, 2015, the estimated increase in annual connection fee revenues is approximately \$225,000 in the Gas Fund, \$150,000 in the Water Fund, and \$75,000 in the Wastewater Fund.

POLICY IMPLICATIONS

These recommendations do not represent a change in current City policies.

ENVIRONMENTAL REVIEW

The adoption of the resolution is statutorily exempt from the California Environmental Air Quality Act; under California Code of Regulations Title 14, Chapter 3, Section 15273(a), because CEQA does not apply to the modification, restructuring, or approval of rates and charges for the purpose of meeting operating expenses and obtaining funds for capital projects necessary to maintain service.

Attachments:

- Attachment A: Resolution to amend rate sched W-5, G-5, S-5, C-1 effective 05-01-2015 (PDF)
- Attachment B: Rate Sched G-5 effective 05_01_2015 (PDF)
- Attachment C: Redline Rate Sched G-5 effective 05_01_2015 (PDF)
- Attachment D: Rate Sched W-5 effective 05_01_2015 (PDF)
- Attachment E: Redline Rate Sched W-5 effective 05_01_2015 (PDF)
- Attachment F: Rate Sched S-5 effective 05_01_2015 (PDF)
- Attachment G: Redline Rate Sched S-5 effective 05_01_2015 (PDF)
- Attachment H: Rate Sched C-1 effective 05_01_2015 (PDF)
- Attachment I: Redline Rate Sched C-1 effective 05_01_2015 (PDF)
- Attachment J: Backup Spreadsheets FY2014_2015 (PDF)
- Attachment K: Connection fees comparison_2014 (PDF)
- Attachment L: UAC Connection Fees Report dated December 10, 2014 without attachments (PDF)
- Attachment M: Excerpted Draft UAC Minutes of December 10, 2014 (PDF)

ATTACHMENT A

RESOLUTION NO. _____
RESOLUTION OF THE COUNCIL OF THE CITY OF PALO ALTO
AMENDING WATER, GAS, AND WASTEWATER CONNECTION
AND CAPACITY FEES AND MISCELLANEOUS UTILITY
CHARGES (UTILITY RATE SCHEDULES W-5, G-5, S-5, AND C-1)

The Council of the City of Palo Alto does hereby RESOLVE as follows:

Section 1. Pursuant to section 12.20.010 of the Palo Alto Municipal Code, Schedule W-5 (Water Service Connection Fees) of the Palo Alto Utilities Rates and Charges is hereby amended to read as attached and incorporated. The foregoing Utility Rate Schedule, as amended, shall become effective May 1, 2015.

Section 2. Pursuant to section 12.20.010 of the Palo Alto Municipal Code, Schedule G-5 (Gas Service Connection Fees) of the Palo Alto Utilities Rates and Charges is hereby amended to read as attached and incorporated. The foregoing Utility Rate Schedule, as amended, shall become effective May 1, 2015.

Section 3. Pursuant to section 12.20.010 of the Palo Alto Municipal Code, Schedule S-5 (Wastewater Service Connection Fees) of the Palo Alto Utilities Rates and Charges is hereby amended to read as attached and incorporated. The foregoing Utility Rate Schedule, as amended, shall become effective May 1, 2015.

Section 4. Pursuant to section 12.20.010 of the Palo Alto Municipal Code, Schedule C-1 (Utility Miscellaneous Charges) of the Palo Alto Utilities Rates and Charges is hereby amended to read as attached and incorporated. The foregoing Utility Rate Schedule, as amended, shall become effective May 1, 2015.

Section 5. The Council finds that the fees and charges adopted by this resolution are charges imposed for a specific government service or product provided directly to the payor that are not provided to those not charged, and do not exceed the reasonable costs to the City of providing the service or product.

Section 6. Council finds that the adoption of this resolution is statutorily exempt from the California Environmental Quality Act (CEQA), pursuant to California Code of Regulations Title 14, Chapter 3, Section 15273(a), because the fees and charges proposed are necessary to recover the cost of providing utility service and meet operating expenses. After reviewing the reports presented, the Council incorporates these documents herein and finds that sufficient evidence has been presented setting forth with specificity the basis for this claim of CEQA exemption.

INTRODUCED AND PASSED:

AYES:

NOES:

ATTACHMENT A

ABSENT:

ABSTENTIONS:

ATTEST:

City Clerk

Mayor

APPROVED AS TO FORM:

APPROVED:

Senior Deputy City Attorney

City Manager

Director of Utilities

Director of Administrative Services

ATTACHMENT B

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

A. GENERAL:

1. TERRITORY:

This Rate Schedule applies everywhere the City of Palo Alto provides Gas Service.

B. FEES:

Plan review fees must be paid prior to permit approval by the Utilities Department. Construction or connection fees must be paid prior to the scheduling of any construction. Depending on material availability and scheduling constraints, Utility Service will be installed between 30 and 40 days following receipt of full payment. Regular work hours are 8 AM to 5 PM, Monday through Friday. Any work the City deems necessary to be performed during non-regular work hours shall be charged 1.15 times the stated fee to recover the overtime labor cost. These conditions include but are not limited to performing work on arterial streets, in business districts, in front of major commercial establishments, and near schools. Any work required to be performed during non-regular work hours where the work is scheduled at the Customer's convenience shall be charged 1.25 times the stated fee to recover the overtime labor cost. All invoices are valid for 90 days from date of issuance.

1. COMMERCIAL PLAN REVIEW:

New commercial building or remodeling permit valuation greater than \$200,000	\$2,316.00
New subdivision residential unit (Gas only)	\$348.00/unit
System extension 2-inch polyethylene (PE) Gas main	\$12.00/ft

2. RESIDENTIAL PLAN REVIEW:

New single-family residential (SFR) building or SFR remodeling permit valuation greater than \$100,000	\$848.00
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3. DISTRIBUTION SYSTEM EXTENSION CHARGE:

Charge per lineal foot	\$173.00 /ft
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4. CONNECTION CHARGE FOR SERVICE INSTALLED ON EXISTING MAIN:

The Service connection fees include up to 40 feet of Service Line installation inside the property line.

CITY OF PALO ALTO UTILITIES

Issued by the City Council



CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. G-5-1 dated 8-8-2008

Effective 05-01-2015
Sheet No. **G-5-1**

ATTACHMENT B

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

Size

1-inch directionally bored connection.....	\$4,343.00
2-inch directionally bored connection.....	\$5,250.00
Excess length fee for directionally bored connection	\$49.00 /ft*
1- or 2-inch trenched connection	\$5,976.00
2-inch main installation in contractor provided trench	\$60.00 /ft
Above 2-inch connection	Utility Estimate

*Excess Length Fee: An additional Charge (\$49.00 /foot) will apply to an extension greater than forty feet from the street property line to the Gas Meter location, measured along a line perpendicular to the street property line.

Service Location: The Service Line will be installed along the shortest, most practical route, as determined by the Utilities Department (from the Gas main in the adjoining street, alley, lane road, or easement to the nearest suitable Meter location at the building or structure).

5. METER CHARGES:

250 Cubic Foot Per Hour (CFH) House Meter	\$850.00
250 CFH Curb Meter	\$1,805.00
400 CFH House Meter	\$961.00
400 CFH Curb Meter	\$2,023.00
630 CFH House Meter	\$1,329.00
630 CFH Curb Meter	\$2,285.00
800 CFH Diaphragm – Commercial House Meter	\$1,781.00
1000 CFH Diaphragm - Commercial House Meter	\$1,886.00
1500 CFH Rotary-Commercial House Meter	\$2,487.00
2000 CFH Rotary-Commercial	\$3,417.00
3000 CFH Rotary-Commercial	\$3,431.00
5000 CFH Rotary-Commercial	\$3,837.00
7000 CFH Rotary-Commercial	\$4,418.00
11000 CFH Rotary-Commercial	\$11,405.00
16000 CFH Rotary-Commercial	\$12,472.00
23000 CFH Rotary-Commercial	\$14,760.00
Electronic Volume Corrector System	\$5,808.00
AMR Encoder Receiver Transmitter – Diaphragm Meter	\$155.00

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No.G-5-2 dated 8-8-2008

Effective 05-01-2015

Sheet No. **G-5-2**

ATTACHMENT B

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

AMR Encoder Receiver Transmitter – Rotary Meter	\$208.00
Vent line for Gas Regulator	\$305.00
2-inch bollard (to protect Gas Meter) installation fee	\$339.00
4-inch bollard (to protect Gas Meter) installation fee	\$494.00
Other Meter sizes	Utility Estimate

6. ADDITIONAL METERS ON CONNECTION:

(Applies to small Meters up to 630 CFH)	<u>Per Meter</u>
With new connection	\$529.00
On existing metered connection.....	\$1,193.00
Charges for Meters above 630 CFH will be based on the Utilities Department's estimate.	

7. SERVICE RELOCATION:

Service riser relocation.....	\$1,422.00
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Service riser relocations will only be performed on 1-inch and larger polyethylene (PE) pipe Service Lines that have been approved by Utilities Department. All "other material pipe" Service Lines must be replaced from the main to the Meter at the fees listed in Section B(4) of this Rate Schedule.

Curb Meter- Riser relocation on existing 1-inch PE pipe	\$796.00
Curb Meter- Riser relocation on same alignment of existing Service	\$1,274.00
Curb Meter- New Service from main to house	\$2,038.00

8. RELOCATION OF FACILITIES:

Approved relocation of Service and other facilities will be done at the cost of the person requesting the relocation. Payment of estimated cost is required before relocation work begins.

9. TAPPING THE GAS MAIN FOR CONTRACTOR INSTALLED SERVICES:

Tap Gas main for 1- to 2-inch Service	\$1,603.00
Tap Gas main for 4- to 6-inch Service	\$2,212.00

C. OTHER REQUIREMENTS AND CONDITIONS:

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UTILITIES

Supersedes Sheet No.G-5-3 dated 8-8-2008

Effective 05-01-2015
Sheet No. **G-5-3**

ATTACHMENT B

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

1. INSTALLATION:

The City of Palo Alto installs all Gas Services unless directed otherwise and approved by the City of Palo Alto Utilities Department.

2. SERVICE CHARGES:

- (A) Additional Service connections are available with payment of additional Service connection Charges shown in Section B.
- (B) Replacement of Service connections made necessary because of ordinary wear and deterioration will be made without Charge. However, if the need for replacement arises due to meeting an increase in load, the new Service will be charged as a new Service under Section B.
- (C) In commercial or industrial areas where a surface Meter installation is impractical, Meters may be placed in underground vaults. Vaults must be provided and installed by the owner in accordance with the Gas utility's specifications. The vault lid sections shall not exceed 70 pounds. All lids shall be centered above the Gas Meter to allow visibility of the Meter face for Meter reading purposes.

3. UNDER UNUSUAL CONDITIONS:

- (A) A condition which, in the opinion of the Engineering Manager, Water-Gas- Wastewater will result in a cost higher than the fees in Section B, will be classified as unusual. The Charge for an unusual installation will be based on the Engineering Manager, Water-Gas-Wastewater estimate of the total costs of all materials, labor, and other costs incidental to the installation.
- (B) In the event Gas Service to a premise is requested and insufficient capacity exists to provide such Service, the Applicant shall bear the total cost for designing and enlarging the Distribution System to accommodate serving the Applicant. The Engineering Manager, Water-Gas-Wastewater may require the Applicant to make arrangements for the design and construction of said expansion in accordance with City standards and specifications. Alternatively, the Engineering Manager may elect for City forces or contractors to design and install respectively such facilities at the Applicant's expense. Full credit to the Applicant will be provided for any over sizing or extra facilities installed to meet Service demands above

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. G-5-4 dated 8-8-2008

Effective 05-01-2015

Sheet No. **G-5-4**

ATTACHMENT B

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

the specific capacity needs of the Applicant as defined in the Utility's rules and Regulations.

4. MASTER METERED GAS SERVICE

For Master-Meter Services using high volumes of Gas, the Applicant must provide all required Meters, sending units, regulators, and other necessary flow control equipment as specified by the City and approved by the Engineering Manager, Water-Gas-Wastewater.

D. OTHER SERVICE CHARGES:

1. OTHER SERVICE FEES:

The following fees will apply to utility work performed by outside contractors, which may be done only with the prior approval of the Utilities Department:

- (A) Engineering service fee \$151.00/hr
- (B) Inspection service fee:
 - i. Inspection during regular work hours (M-F 8 AM to 5 PM) \$118.00/hr
 - ii. Inspection during non-regular work hours..... \$139.00/hr
 - iii. Inspection during non-regular work hours for Customer's convenience..... \$159.00/hr

{End}



ATTACHMENT C

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

A. GENERAL:

1. TERRITORY:

~~Inside the incorporated limits of~~ This Rate Schedule applies everywhere the City of Palo Alto ~~and on land owned or leased by the City of Palo Alto~~ provides Gas Service.

B. FEES:

~~Any~~ Plan review fees must be paid prior to permit approval by the Utilities Department. Construction or connection fees must be paid prior to the scheduling of any construction. Depending on material availability and scheduling constraints, ~~utility service~~ Utility Service will be installed between 30 and 40 days following receipt of full payment. ~~Any work required to be done outside of Regular work hours are 8 AM to 5 PM, Monday through Friday. Any work the City deems necessary to be performed during non-regular work hours due to traffic, existing conditions or applicants requirements shall be charged at 1.515 times the stated fee. The following fees are regularly updated, therefore all billings to recover the overtime labor cost. These conditions include but are only not limited to performing work on arterial streets, in business districts, in front of major commercial establishments, and near schools. Any work required to be performed during non-regular work hours where the work is scheduled at the Customer's convenience shall be charged 1.25 times the stated fee to recover the overtime labor cost. All invoices are valid for 90 days from date of billing issuance.~~

1. COMMERCIAL PLAN REVIEW:

<u>New commercial building or remodeling permit valuation greater than \$200,000</u>	<u>\$2,316.00</u>
<u>New subdivision residential unit (Gas only)</u>	<u>\$348.00/unit</u>
<u>System extension 2-inch polyethylene (PE) Gas main</u>	<u>\$12.00/ft</u>

2. RESIDENTIAL PLAN REVIEW:

<u>New single-family residential (SFR) building or SFR remodeling permit valuation greater than \$100,000</u>	<u>\$848.00</u>
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3. DISTRIBUTION SYSTEM EXTENSION CHARGE:

Charge per lineal foot \$93.00/ft.

CITY OF PALO ALTO UTILITIES

Issued by the City Council



Supersedes Sheet No. G-5-1-1-4 dated 7-1-2006 8-2-

CITY OF PALO ALTO
UTILITIES

Effective 05-01-2015
Effective 8-1-2008 Sheet No. G-5-1
Sheet No. G-5-7

ATTACHMENT C

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

~~2~~ Charge per lineal foot
~~\$173.00 /ft~~

~~4~~. CONNECTION CHARGE FOR SERVICE INSTALLED ON EXISTING MAIN:

~~The Service connection fees include up to 40 feet of Service Line installation inside the property line.~~

Size

1-inch connection	\$2,766.00
2-inch connection	4,156.00
1-inch directionally bored connection	\$4,343.00
2-inch directionally bored connection	\$5,250.00
Excess length fee for directionally bored connection	\$49.00 /ft*
1- or 2-inch trenched connection	\$5,976.00
2-inch main installation in contractor provided trench	\$60.00 /ft
Above 2-inch connection	Utility Estimate

~~*Excess Length Fee: An additional charge (\$20.00/Charge (\$49.00 /foot for a 1-inch connection and \$22.00/foot for a 2-inch connection) will apply to an extension greater than forty feet from the street property line to the gas meterGas Meter location, measured along a line perpendicular to the street property line. This fee also applies when contractor provides trenching and backfill for new 1" and 2" gas piping installed by City crews.~~

Service Location: The ~~service line~~Service Line will be installed along the shortest, most practical route, as determined by ~~The~~the Utilities Department (from the ~~gas~~Gas main in the adjoining street, alley, lane road, or easement to the nearest suitable ~~meter~~Meter location at the building or structure).

~~35~~. METER CHARGES:

250 CFH House meter	\$ 347.00
250 CFH Curb meter	\$ 813.00
400 CFH House meter	\$ 468.00
400 CFH Curb meter	\$ 934.00
630 CFH House meter	\$ 697.00
630 CFH Curb meter	\$ 975.00
1000 CFH Diaphragm - Commercial house meter	1,665.00
1100-1500 CFH Rotary - Commercial House meter	1,735.00

CITY OF PALO ALTO UTILITIES

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Supersedes Sheet No. G-5-2-2-4 dated ~~7-1-2006~~8-2

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ATTACHMENT C

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

2000 CFH Rotary Commercial	1,999.00
3000 CFH Rotary Commercial	2,140.00
5000 CFH Rotary Commercial	2,983.00
7000 CFH Rotary Commercial	3,625.00
11000 CFH Rotary Commercial	4,997.00
16000 CFH Rotary Commercial	6,300.00
Electronic Volume Corrector System	5,808.00
AMR Encoder Receiver Transmitter – diaphragm meter	81.00
AMR Encoder Receiver Transmitter – rotary meter	130.00
Vent line for gas regulator	108.00
Bollard (to protect gas meter) installation Fee	162.00
250 Cubic Foot Per Hour (CFH) House Meter	\$850.00
250 CFH Curb Meter	\$1,805.00
400 CFH House Meter	\$961.00
400 CFH Curb Meter	\$2,023.00
630 CFH House Meter	\$1,329.00
630 CFH Curb Meter	\$2,285.00
800 CFH Diaphragm – Commercial House Meter	\$1,781.00
1000 CFH Diaphragm - Commercial House Meter	\$1,886.00
1500 CFH Rotary-Commercial House Meter	\$2,487.00
2000 CFH Rotary-Commercial	\$3,417.00
3000 CFH Rotary-Commercial	\$3,431.00
5000 CFH Rotary-Commercial	\$3,837.00
7000 CFH Rotary-Commercial	\$4,418.00
11000 CFH Rotary-Commercial	\$11,405.00
16000 CFH Rotary-Commercial	\$12,472.00
23000 CFH Rotary-Commercial	\$14,760.00
Electronic Volume Corrector System	\$5,808.00
AMR Encoder Receiver Transmitter – Diaphragm Meter	\$155.00
AMR Encoder Receiver Transmitter – Rotary Meter	\$208.00
Vent line for Gas Regulator	\$305.00
2-inch bollard (to protect Gas Meter) installation fee	\$339.00
4-inch bollard (to protect Gas Meter) installation fee	\$494.00
Other Meter Sizes	Utility Estimate

46. ADDITIONAL METERS ON CONNECTION:

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ATTACHMENT C

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

(Applies to small ~~meters~~ Meters up to ~~400 SCFH~~ 630 CFH) Per Meter

~~With new connection~~ \$86.00

~~On existing metered connection.....~~ 286.00

~~With new connection~~ \$529.00

~~On existing metered connection.....~~ \$1,193.00

Charges for ~~meters~~ Meters above ~~400 SCFH~~ 630 CFH will be based on the ~~Utility's~~ Utilities Department's estimate.

57. SERVICE RELOCATION:

~~Service riser relocation.....~~ \$834.00

~~Service riser relocation.....~~ \$1,422.00

Service riser relocations will only be performed on ~~one~~ 1-inch (1") and larger polyethylene (PE) pipe ~~services.~~ Service Lines that have been approved by Utilities Department. All "other material pipe" ~~services.~~ Service Lines must be replaced from the main to the ~~meter~~ Meter at the fees listed in Section B-~~(2)(4)~~ of this ~~rate schedule~~ Rate Schedule.

Curb Meter- Riser relocation on existing ~~1" pe-inch PE~~ pipe ~~\$594.00~~ \$796.00

Curb Meter- Riser relocation on same alignment of existing ~~service~~ ~~965.00~~ Service
\$1,274.00

~~Curb Meter- New service from main to house.....~~ 1,408.00

~~6Curb Meter- New Service from main to house~~ \$2,038.00

8. RELOCATION OF FACILITIES:

Approved relocation of ~~service~~ Service and other facilities will be done at the cost of the person requesting the ~~re-location. Deposit~~ relocation. Payment of estimated cost is required before relocation work begins. ~~After the City completes the work, a final billing based on actual costs will be sent to the person requesting the relocation of facilities.~~

9. TAPPING THE GAS MAIN FOR CONTRACTOR INSTALLED SERVICES:

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ATTACHMENT C

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

Tap Gas main for 1- to 2-inch Service	\$1,603.00
Tap Gas main for 4- to 6-inch Service	\$2,212.00

C. OTHER REQUIREMENTS AND CONDITIONS:

1. — 1-INSTALLATION:

The City of Palo Alto installs all Gas Services unless directed otherwise and approved by the City of Palo Alto Utilities Department.

2. SERVICE CHARGES:

- (A) Additional ~~service~~Service connections are available with payment of additional ~~service~~Service connection ~~charges~~Charges shown in Section B.
- (B) Replacement of ~~service~~Service connections made necessary because of ordinary wear and deterioration will be made without ~~charge~~Charge. However, if the need for replacement arises due to meeting an increase in load, the new ~~service~~Service will be charged as a new ~~service~~Service under Section B.
- (C) In commercial or industrial areas where a surface ~~meter~~Meter installation is impractical, ~~meters~~Meters may be placed in underground vaults. Vaults must be provided and installed by the owner in accordance with the ~~gas~~Gas utility's specifications. The vault lid sections shall not exceed 70 pounds. All lids shall be centered above the ~~gas meter~~Gas Meter to allow visibility of the ~~meter~~Meter face for ~~meter~~Meter reading purposes.

23. UNDER UNUSUAL CONDITIONS:

- (A) A condition which, in the opinion of the Engineering Manager, Water-Gas- Wastewater will result in a cost higher than the fees in Section B, will be classified as unusual. The ~~charge~~Charge for an unusual installation will be based on the Engineering Manager, Water-Gas-Wastewater estimate of the total costs of all materials, labor, and other costs incidental to the installation.
- (B) In the event ~~gas service~~Gas Service to a ~~premises~~premise is requested and insufficient capacity exists to provide such ~~service~~Service, the ~~applicant~~Applicant shall bear the total cost

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ATTACHMENT C

GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

for designing and enlarging the ~~distribution system~~ Distribution System to accommodate serving the ~~applicant~~ Applicant. The Engineering Manager, Water-Gas-Wastewater may require the ~~applicant~~ Applicant to make arrangements for the design and construction of said expansion in accordance with City standards and specifications. Alternatively, the Engineering Manager may elect for City forces or contractors to design and install respectively such facilities at the ~~applicant's~~ Applicant's expense. Full credit to the ~~applicant~~ Applicant will be provided for any over sizing or extra facilities installed to meet ~~service~~ Service demands above the specific capacity needs of the ~~applicant~~ Applicant as defined in the Utility's ~~Rules~~ rules and Regulations.

~~34.~~ MASTER METERED GAS SERVICE

For ~~master meter services~~ Master-Meter Services using high volumes of ~~gas~~ Gas, the ~~applicant~~ Applicant must provide all required ~~meters~~ Meters, sending units, regulators, and other necessary flow control equipment as specified by the City and approved by the Engineering Manager, Water-Gas-Wastewater.

D. OTHER SERVICE CHARGES:

1. OTHER SERVICE FEES:

The following fees will apply to utility work performed by outside contractors, which may be done only with the prior approval of the Utilities Department:

(A)	Engineering Service Fee	\$132.00/hr
(A)	Engineering service fee	\$151.00/hr
(B)	Inspection Service Fee	\$102.00/service fee:
	i. Inspection during regular work hours (M-F 8 AM to 5 PM)	\$118.00/hr
	ii. Inspection during non-regular work hours	\$139.00/hr
	iii. Inspection during non-regular work hours for Customer's convenience	\$159.00/hr

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GAS SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE G-5

{End}

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Sheet No. ~~G-5-7~~

ATTACHMENT D

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

A. GENERAL:

1. TERRITORY:

This Rate Schedule applies anywhere the City of Palo Alto provides Water Service.

B. FEES:

Plan review fees must be paid prior to permit approval by the Utilities Department. Construction or connection fees must be paid prior to the scheduling of any construction. Depending on material availability and scheduling constraints, Utility Service will be installed between 30 and 40 days following receipt of full payment. Regular work hours are 8 AM to 5 PM, Monday through Friday. Any work the City deems necessary to be performed during non-regular work hours shall be charged 1.15 times the stated fee to recover the overtime labor cost. These conditions include but are not limited to performing work on arterial streets, in business districts, in front of major commercial establishments, and near schools. Any work required to be performed during non-regular work hours where the work is scheduled at the Customer's convenience shall be charged 1.25 times the stated fee to recover the overtime labor cost. All invoices are valid for 90 days from date of issuance.

1. PLAN REVIEW:

New commercial building or remodeling permit valuation greater than \$200,000	\$3,072.00
New subdivision residential unit (Water only)	\$348.00/unit
System extension 8-inch high-density polyethylene (HDPE) Water main	\$12.00/ft

2. DISTRIBUTION SYSTEM EXTENSION CHARGE:

City standard 8-inch main, Charge per foot	\$206.00
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3. SERVICE CONNECTION CHARGES:

Water Service: Domestic, Irrigation, and Fire

<u>Size</u>	<u>Amount</u>
2-inch connection	\$4,863.00
4-inch connection	\$7,156.00
6-inch connection	\$8,137.00

CITY OF PALO ALTO UTILITIES

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CITY OF PALO ALTO
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Supersedes Sheet No. W-5-1 dated 7-2-2010

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ATTACHMENT D

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

8-inch connection.....	\$9,469.00
10-inch connection.....	\$10,625.00

Additional Domestic or Irrigation Services

For Service installations connecting to a pre-existing, larger Service.

2-inch connection.....	\$3,122.00
4-inch connection.....	\$4,449.00
6-inch connection.....	\$4,842.00

Combination Domestic or Irrigation Water Service and Fire Service

For requests of combination domestic and fire Water Services, two Service connection Charges will apply: the Charge for connection of a fire Service and the Charge for domestic or irrigation Service installation connection to a larger Service. Approval from the Utilities Department is required for combination water service connections.

Master Water Service

Approval by the Director of Utilities is required for a connection that serves domestic Water Service and fire protection through a detector Meter. The Charge for master Water Service will be based on the Engineering Manager's, Water-Gas-Wastewater, estimate of the total costs, including: materials, labor, metering not listed in Section B(4), and other costs incidental to the installation.

For Service connections of 4-inch through 8-inch sizes and Meter sizes of 4-inch through 6-inch, the new owner must provide and install a concrete vault with meter reading lid covers to house Meters and other required control equipment in accordance with the Utilities Department's specifications.

An approved backflow prevention device with bypass assemblies must be provided by owner on all fire Services.

4. METER CHARGES:

5/8-inch x 3/4-inch E-Meter.....	\$698.00
1-inch E-Meter	\$862.00
1 1/2-inch E-Meter	\$1,444.00

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Supersedes Sheet No. W-5-2 dated 7-2-2010

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ATTACHMENT D

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

2-inch E-Meter	\$1,635.00
4-inch Compound Meter	\$5,740.00
6-inch Compound Meter	\$8,051.00
AMR Encoder Receiver Transmitter	\$108.00

5. ADDITIONAL METERS ON CONNECTION:

With new connection	\$1,264.00
On existing connection	\$1,866.00

6. RELOCATION OF FACILITIES:

Approved relocation of Service, hydrants, or other facilities will be done at the cost of the person requesting the re-location. Payment of estimated cost is required before relocation work begins.

7. CAPACITY FEES:

Capacity fees will be charged for new Utility Services and added demand on existing Services

Domestic:

5/8-inch x 3/4-inch E-Meter.....	\$5,000.00
1-inch E-Meter	\$9,400.00
1 1/2-inch E-Meter	\$18,850.00
2-inch E-Meter	\$56,250.00
4-inch Compound Meter	estimate at \$125/FU; minimum 5,000 FU (5,000 FU is mid-range operating capacity of 4-inch Meter)
6-inch Compound Meter	estimate at \$125/FU minimum 7,000 FU (7,000 FU is mid-range operating capacity of 6-inch Meter)

Added demand on an existing Water Service will be calculated at \$125.00/FU

Note: FU is fixture unit (1 FU=15gpd)

Fire Service Capacity Fees:

2-inch	\$750.00
4-inch	\$9,000.00
6-inch	\$22,530.00
8-inch	\$43,080.00

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Effective 05-01-2015

Sheet No. **W-5-3**

ATTACHMENT D

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

10-inch\$69,510.00

If a Customer is upgrading the capacity of an existing Service, then the capacity Charge will be the difference between the new Service size and the existing Service size.

C. OTHER REQUIREMENTS AND CONDITIONS

1. INSTALLATION:

The City of Palo Alto installs all Water Services unless directed otherwise and approved by City of Palo Alto Utilities Department.

2. SERVICE CHARGES:

- (A) Additional Service connections are available with payment of an additional Service connection Charge as shown in Section B.
- (B) Replacement of Service connection made necessary because of ordinary wear and deterioration will be made without Charge. Replacement due to inadequacy because of additional demand or load will be charged as a new Service connection.

3. INSTALLATION UNDER UNUSUAL CONDITIONS:

- (A) Any condition which, in the opinion of the Engineering Manager, Water-Gas-Wastewater will result in a cost higher than the Charges set forth in Section B will be classified as unusual. The Charge for an unusual installation will be based on Engineering Manager, Water-Gas-Wastewater's estimate of the total costs of all materials, labor, and other costs incidental to the installation.
- (B) In the event Water Service to a Premise is requested and insufficient capacity exists to provide such Service, the Applicant shall bear the total cost for enlarging the Distribution System to accommodate serving the Applicant. The Engineering Manager, Water-Gas-Wastewater may require the Applicant to make arrangements for the design and construction of said expansion in accordance with City standards and specifications. Alternatively, the Engineering Manager, Water-Gas-Wastewater may elect for City forces or contractors to design and install respectively such facilities at the Applicant's expense.

4. EXCEPTIONS:

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. W-5-4 dated 7-2-2010

Effective 05-01-2015

Sheet No. **W-5-4**

ATTACHMENT D

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

- (A) Water Service Areas 3 & 4, connections served directly from supply main: The Distribution System Charges (Section B) will be based on a maximum frontage of 660 feet. This exception applies to single applications for Service and does not apply to subdivisions or tracts.
- (B) The subdivision developer will furnish and install the Water system at his or her expense and in accordance with City's specifications.

D. OTHER SERVICES:

1. 2 METER MANIFOLD:

(A) 2-inch\$724.00

2. ABANDONMENT:

(A) Small Service 2-inch and less\$2,653.00

(B) Large Service more than 2-inch\$3,715.00

3. METER INSTALLATION:

Charges for large Meter installations by third parties, i.e. contractors, developers, etc.

8-inch to 12-inch Meters\$3,235.00

4. FIRE HYDRANT:

(A) Install new hydrant without lateral.....\$2,552.00

(B) Install new hydrant with lateral.....\$12,840.00

(C) Relocation behind curb (up to 5 feet)\$6,841.00

Relocations more than 5 feet will require a new lateral and the existing lateral will be disconnected and abandoned at the main.

5. TAPPING THE WATER MAIN FOR CONTRACTOR INSTALLED SERVICES:

(A) Tap Water main for 2-inch Service.....\$1,649.00

(B) Tap Water main for 4-inch Service.....\$2,162.00

(C) Tap Water main for 6-inch Service.....\$3,288.00

(D) Tap Water main for 8-inch Service.....\$4,498.00

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ATTACHMENT D

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

6. OTHER FEES:

The following fees will apply to utility work performed by outside contractors:

(A) Engineering fee (per hour)	\$151.00
(B) Utility inspection fee (per hour):	
i. Inspection during regular work hours (M-F 8 AM to 5 PM)	\$118.00
ii. Inspection during non-regular work hours.....	\$139.00
iii. Inspection during non-regular work hours for Customer's convenience.....	\$159.00
(C) Engineering and inspection for new 2-inch Service	\$1,618.00
(D) Engineering and inspection for new 2-inch Service connected to larger Service	\$1,078.00
(E) Engineering and inspection for new 4-inch to 8-inch Service	\$2,426.00
(F) Engineering and inspection for new hydrant and Service.....	\$2,426.00
(G) Engineering and inspection for abandonment of 2-inch and smaller Service	\$809.00
(H) Engineering and inspection for abandonment of 3-inch and larger Service	\$1,078.00
(I) Engineering and inspection for new 8-inch main (per linear foot)	\$27.00

{End}

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. W-5-6 dated 7-2-2010

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Sheet No. **W-5-6**

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

A. GENERAL:

1. TERRITORY:

~~Inside the incorporated limits of~~ This Rate Schedule applies anywhere the City of Palo Alto ~~and on land owned or leased by the City of Palo Alto~~ provides Water Service.

B. FEES:

~~AH~~ Plan review fees must be paid prior to permit approval by the Utilities Department. Construction or connection fees must be paid prior to the scheduling of any construction. Depending on material availability and scheduling constraints, ~~utility service~~ Utility Service will be installed between 30 and 40 days following receipt of full payment. ~~Any work required to be done outside of Regular work hours are 8 AM to 5 PM, Monday through Friday. Any work the City deems necessary to be performed during non-regular work hours due to traffic, existing conditions or applicant's requirements shall be charged at 1.515 times the stated fee. The following fees are regularly updated, therefore all billings to recover the overtime labor cost. These conditions include but are only not limited to performing work on arterial streets, in business districts, in front of major commercial establishments, and near schools. Any work required to be performed during non-regular work hours where the work is scheduled at the Customer's convenience shall be charged 1.25 times the stated fee to recover the overtime labor cost. All invoices are valid for 90 days from date of billing issuance.~~

1. PLAN REVIEW:

<u>New commercial building or remodeling permit valuation greater than \$200,000</u>	<u>\$3,072.00</u>
<u>New subdivision residential unit (Water only)</u>	<u>\$348.00/unit</u>
<u>System extension 8-inch high-density polyethylene (HDPE) Water main</u>	<u>\$12.00/ft</u>

2. DISTRIBUTION SYSTEM EXTENSION CHARGE:

~~For City Standard 6" Main, charge per foot~~ ~~\$111.00~~

~~2~~ City standard 8-inch main, Charge per foot \$206.00

3. SERVICE CONNECTION CHARGES:

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Sheet No. **W-5-1**

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

Category 1—Water Service: Domestic ~~Water Service~~, Irrigation, and Fire

<u>Size</u>	<u>Amount</u>
1-inch connection	\$3,797.00
1-1/2-inch connection	4,535.00
2-inch connection	5,681.00
4-inch connection	8,381.00
6-inch connection	9,379.00

Category 2—Fire Service

<u>Size</u>	<u>Amount</u>
4-inch connection	\$7,176.00
6-inch connection	7,941.00
8-inch connection	8,564.00

<u>Category 3—2-inch connection</u>	<u>\$4,863.00</u>
<u>4-inch connection</u>	<u>\$7,156.00</u>
<u>6-inch connection</u>	<u>\$8,137.00</u>
<u>8-inch connection.....</u>	<u>\$9,469.00</u>
<u>10-inch connection.....</u>	<u>\$10,625.00</u>

Additional Domestic or Irrigation Services

For ~~service~~Service installations connecting to a pre-existing, larger ~~service~~Service.

1-inch connection	\$1,747.00
1-1/2-inch connection	2,095.00
2-inch connection	2,383.00
4-inch connection	5,043.00

<u>Category 4—2-inch connection.....</u>	<u>\$3,122.00</u>
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Sheet No. **W-5-2**

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

4-inch connection.....	\$4,449.00
6-inch connection.....	\$4,842.00

Combination Domestic ~~or Irrigation~~ Water Service and Fire Service

For requests of combination domestic and fire ~~water services~~ Water Services, two ~~service~~ Service connection ~~charges~~ Charges will apply: the ~~charge~~ Charge for connection of a fire ~~service~~ Service and the ~~charge~~ Charge for domestic ~~service or irrigation~~ Service installation connection to a larger ~~service~~ Service. Approval from the Utilities Department is required for combination water service connections.

~~Category 5~~ Master Water Service

Approval by the Director of Utilities is required for a connection that serves domestic ~~water service~~ Water Service and fire protection through a detector ~~meter~~ Meter. The ~~charge~~ Charge for master ~~water service~~ Water Service will be based on the Engineering Manager's, Water-Gas-Wastewater, estimate of the total costs, including: materials, labor, metering not listed in Section B(2) ~~or B~~(4), and other costs incidental to the installation.

For ~~service~~ Service connections of 4-inch through 8-inch sizes and ~~meter~~ Meter sizes of ~~34~~-inch through ~~86~~-inch, the new owner must provide and install a concrete vault with meter reading lid covers to house ~~meters~~ Meters and other required control equipment in accordance with the ~~Water Utility's~~ Utilities Department's specifications.

An approved backflow prevention device with bypass assemblies must be provided by owner on all fire ~~services~~ Services.

34. METER CHARGES:

5/8 Inch x 3/4 Inch.....	\$222.00
1 Inch.....	276.00
1 1/2 Inch.....	492.00
2 Inch disk.....	601.00
2 Inch turbine (irrigation only).....	724.00
3 Inch compound.....	1,882.00
3 Inch turbine (irrigation only).....	1,163.00

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CITY OF PALO ALTO
UTILITIES

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Sheet No. **W-5-3**

Supersedes Sheet No. W-5-3 dated ~~7-6-2009~~ 2-2010

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

4 Inch	2,429.00
4 Inch turbine (irrigation only)	1,487.00
6 Inch	4,138.00
5/8-inch x 3/4-inch E-Meter	\$698.00
1-inch E-Meter	\$862.00
1 1/2-inch E-Meter	\$1,444.00
2-inch E-Meter	\$1,635.00
4-inch Compound Meter	\$5,740.00
6-inch Compound Meter	\$8,051.00
AMR Encoder Receiver Transmitter	\$108.00

45. ADDITIONAL METERS ON CONNECTION:

With new connection	\$321.00
On existing connection	783.00
5 With new connection	\$1,264.00
On existing connection	\$1,866.00

6. RELOCATION OF FACILITIES:

Approved relocation of ~~service~~Service, hydrants, or other facilities will be done at the cost of the person requesting the re-location. ~~Deposit~~Payment of estimated cost is required before relocation work begins. ~~After the City completes the work, a final billing based on actual costs will be sent to the person requesting the relocation of facilities.~~

67. CAPACITY FEES:

~~Capacity fees will be charged for new Utility Services and added demand on existing Services~~

Domestic:

5/8 Inch-inch x 3/4 Inch-inch E-Meter	\$5,000.00
1 Inch-inch	E-Meter
\$9,400.00	
1 1/2 Inch 1/2-inch	E-Meter
\$18,850.00	

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UTILITIES

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Sheet No. **W-5-4**

Supersedes Sheet No. W-5-4 dated ~~7-6-2009~~2-2010

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

2—Inch.	By	inch	E-Meter
\$56,250.00			
4-inch Compound Meter	estimate at \$125/FU; minimum 5,000 FU		
3—Inch	By estimate at \$125/FU		
4—Inch	By estimate at \$125/FU		
6—Inch	By		
	(5,000 FU is mid-range operating capacity of 4-inch Meter)		
6-inch Compound Meter	estimate at \$125/FU minimum 7,000 FU		
	(7,000 FU is mid-range operating capacity of 6-inch Meter)		

Added demand on an existing Water Service will be calculated at \$125.00/FU

Note: FU is fixture unit (1 FU=15gpd)

Fire Service Capacity Fees:

2—Inch-inch	\$750.00
4—Inch-inch	\$9,000.00
6—Inch-inch	\$22,530.00
8—Inch-inch	\$43,080.00
10—Inch-inch	\$69,510.00

If a ~~customer~~Customer is upgrading the capacity of an existing ~~service~~Service, then the capacity ~~charge~~Charge will be the difference between the new ~~service~~Service size and the existing ~~service~~Service size.

C. OTHER REQUIREMENTS AND CONDITIONS

1. INSTALLATION:

The City of Palo Alto installs all Water Services unless directed otherwise and approved by City of Palo Alto Utilities Department.

2. SERVICE CHARGES:

- (A) Additional Service connections are available with payment of an additional ~~service~~Service connection ~~charge~~Charge as shown in Section B.
- (B) Replacement of ~~service~~Service connection made necessary because of ordinary wear and

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CITY OF PALO ALTO
UTILITIES

Effective ~~7-2-2010~~05-01-2015

Sheet No. W-5-5

Supersedes Sheet No. W-5-5 dated ~~7-6-2009~~2-2010

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

deterioration will be made without ~~charge~~Charge. Replacement due to inadequacy because of additional demand or load will be charged as a new ~~service~~Service connection.

23. INSTALLATION UNDER UNUSUAL CONDITIONS:

- (A) Any condition which, in the opinion of the Engineering Manager, Water-Gas-Wastewater will result in a cost higher than the ~~charges~~Charges set forth in Section B will be classified as unusual. The ~~charge~~Charge for an unusual installation will be based on Engineering Manager, Water-Gas-Wastewater's estimate of the total costs of all materials, labor, and other costs incidental to the installation.
- (B) In the event ~~water service~~Water Service to a ~~premises~~Premise is requested and insufficient capacity exists to provide such ~~service~~Service, the ~~applicant~~Applicant shall bear the total cost for enlarging the ~~distribution system~~Distribution System to accommodate serving the ~~applicant~~Applicant. The Engineering Manager, Water-Gas-Wastewater may require the ~~applicant~~Applicant to make arrangements for the design and construction of said expansion in accordance with City standards and specifications. Alternatively, the Engineering Manager, Water-Gas-Wastewater may elect for City forces or contractors to design and install respectively such facilities at the ~~applicants'~~Applicant's expense.

34. EXCEPTIONS:

- (A) Water Service Areas 3 & 4, connections served directly from supply main: The ~~distribution system charges~~Distribution System Charges (Section B) will be based on a maximum frontage of 660 feet. This exception applies to single applications for ~~service~~Service and does not apply to subdivisions or tracts.
- (B) The subdivision developer will furnish and install the ~~water~~Water system at his or her expense and in accordance with City's specifications.

D. OTHER SERVICES:

1. 2 METER MANIFOLD:

(A) ~~2 Inch~~\$612.00
(A) ~~2-inch~~\$724.00

2. ABANDONMENT:

(A) ~~Small service less than 2 Inch~~\$952.00

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CITY OF PALO ALTO
UTILITIES

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Sheet No. **W-5-6**

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

(B) Large service more than 2 Inch	1,383.00
(A) Small Service 2-inch and less	\$2,653.00
(B) Large Service more than 2-inch	\$3,715.00

3. METER INSTALLATION:

Charges for ~~meter~~large Meter installations by third parties, i.e. contractors, ~~homeowners~~developers, etc.

5/8 Inch to 2 Inch	\$76.00
3 Inch to 6 Inch	228.00
8-inch to 12-inch Meters	\$3,235.00

4. FIRE HYDRANT:

(A) Install New Hydrant without Lateral	\$2,830.00
(B) Install New Hydrant with Lateral	9,785.00
(C) Relocation behind curb (up to 5 feet)	4,261.00

(A) Install new hydrant without lateral	\$2,552.00
(B) Install new hydrant with lateral	\$12,840.00
(C) Relocation behind curb (up to 5 feet)	\$6,841.00

Relocations more than 5 feet will require a ~~New Lateral~~new lateral and the existing ~~Lateral~~lateral will be disconnected and abandoned at the main.

5. TAPPING THE WATER MAIN FOR CONTRACTOR INSTALLED SERVICES:

(A) Tap Water main for 2-inch Service	\$1,649.00
(B) Tap Water main for 4-inch Service	\$2,162.00
(C) Tap Water main for 6-inch Service	\$3,288.00
(D) Tap Water main for 8-inch Service	\$4,498.00

6. OTHER FEES: Per Hour

The following fees will apply to utility work performed by outside contractors:

(A) Engineering Fee	\$132.00
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UTILITIES

Effective ~~7-2-2010~~05-01-2015

Sheet No. **W-5-7**

Supersedes Sheet No. W-5-7 dated ~~7-6-2009~~2-2010

ATTACHMENT E

WATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE W-5

(A) Engineering fee (per hour)	\$151.00
(B) Utility <u>inspection fee (per hour):</u>	
i. Inspection Fee 102.00 during regular work hours (M-F 8 AM to 5 PM)	\$118.00
ii. Inspection during non-regular work hours.....	\$139.00
iii. Inspection during non-regular work hours for Customer's convenience.....	\$159.00
(C) Engineering and inspection for new 2-inch Service	\$1,618.00
(D) Engineering and inspection for new 2-inch Service connected to larger Service	\$1,078.00
(E) Engineering and inspection for new 4-inch to 8-inch Service	\$2,426.00
(F) Engineering and inspection for new hydrant and Service.....	\$2,426.00
(G) Engineering and inspection for abandonment of 2-inch and smaller Service	\$809.00
(H) Engineering and inspection for abandonment of 3-inch and larger Service	\$1,078.00
(I) Engineering and inspection for new 8-inch main (per linear foot)	\$27.00

{End}

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CITY OF PALO ALTO
UTILITIES

Effective ~~7-2-2010~~05-01-2015

Supersedes Sheet No. W-5-8 dated ~~7-6-2009~~2-2010

Sheet No. **W-5-8**

ATTACHMENT F

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

A. GENERAL:

1. TERRITORY:

This Rate Schedule applies anywhere the City of Palo Alto provides Wastewater Service.

B. FEES:

Plan review fees must be paid prior to permit approval by the Utilities Department. Construction or connection fees must be paid prior to the scheduling of any construction. Depending on material availability and scheduling constraints, Utility Service will be installed between 30 and 40 days following receipt of full payment. Regular work hours are 8 AM to 5 PM, Monday through Friday. Any work the City deems necessary to be performed during non-regular work hours shall be charged 1.15 times the stated fee to recover the overtime labor cost. These conditions include but are not limited to performing work on arterial streets, in business districts, in front of major commercial establishments, and near schools. Any work required to be performed during non-regular work hours where the work is scheduled at the Customer's convenience shall be charged 1.25 times the stated fee to recover the overtime labor cost. All invoices are valid for 90 days from date of issuance.

1. PLAN REVIEW:

New commercial building or remodeling permit valuation greater than \$200,000	\$2,316.00
New subdivision residential unit (Wastewater only)	\$160.00/unit
System extension 8-inch HDPE Wastewater main	\$22.00/ft

2. COLLECTION SYSTEM EXTENSION CHARGE:

City standard 8-inch main	\$204.00/ft
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3. CONNECTION CHARGES:

4-inch connection 6 feet and below	\$6,589.00
6-inch connection 6 feet and below	\$7,124.00
4-Inch lateral depth between 6 feet and 10 feet	\$8,225.00
6-inch lateral depth between 6 feet and 10 feet.....	\$8,748.00
Rehabilitate existing lateral by pipe bursting.....	\$4,233.00

CITY OF PALO ALTO UTILITIES

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. S-5-1 dated 7-02-2010

Effective 05-01-2015

Sheet No. **S-5-1**

ATTACHMENT F

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

Sewer laterals over 25 feet in length will be charged for the additional footage at a rate of \$106/Ln. Ft. for 4-inch connections and \$110/Ln. Ft for 6-inch connections.

Special arrangements must be made to provide for the cost of a connection larger than 6-inch. The City will estimate the cost which will serve as the basis for a Customer deposit. Upon receipt of this deposit the City will install the connection and the Customer shall pay the actual cost net of the deposit.

4. RELOCATION OF FACILITIES:

Approved relocation of Service, and other facilities will be done at the cost of the person requesting the re-location. Payment of estimated cost is required before relocation work begins.

5. CAPACITY CHARGES:

4-inch connection with 5/8-inch Water Meter (WM)	\$5,250.00
4-inch connection with 1-inch WM	\$15,750.00
4- or 6-inch connection with 1-1/2-inch WM	\$31,668.00
6-inch connection with 2-inch WM	\$94,500.00
6-inch and larger connection with 4-inch or larger WM.....	By estimate at \$210/FU

Note: FU is fixture unit (1 FU = 15 gpd).

If a Customer is upgrading the capacity of an existing Service, then the capacity Charge will be the difference between the new Service size and the existing Service size.

C. OTHER REQUIREMENTS AND CONDITIONS

1. INSTALLATION:

The City of Palo Alto installs all Wastewater Services unless directed otherwise and approved by City of Palo Alto Utilities Department.

2. SERVICE CHARGES:

(A) Additional Service connections are available with payment of additional Service connection Charge as shown in Section B3.

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. S-5-2 dated 7-02-2010

Effective 05-01-2015
Sheet No. **S-5-2**

ATTACHMENT F

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

- (B) Replacement of Service connections made necessary because of ordinary wear and deterioration will be made without Charge. Replacement due to inadequacy because of increased demand or load will be charged as a new connection.

3. INSTALLATION UNDER UNUSUAL CONDITIONS:

- (A) Any condition which, in the opinion of the Engineering Manager, Water-Gas-Wastewater will result in a cost higher than the Charges set forth in Section B above will be classified as unusual. The Charge for an unusual installation will be based on the Engineering Manager's estimate of the total costs of all materials, labor, and other costs incidental to the installation.
- (B) In the event Wastewater Service to a Premise is requested and insufficient capacity exists to provide such Service, the Applicant shall bear the total cost for flow monitoring the existing main to determine remaining capacity, design of new sewer main and construction cost for enlarging the collection system to accommodate serving the Applicant. The Engineering Manager, Water-Gas-Wastewater may require the Applicant to make arrangements for the design and construction of said expansion in accordance with City standards and specifications. Alternatively, the Engineering Manager, Water-Gas-Wastewater may elect for City forces or contractors to design and install respectively such facilities at the Applicant's expense.

4. PUMPING PLANTS:

Where pumping facilities are needed to drain Wastewater into the Wastewater collection system, the capital cost of construction of the pumping plant and the on-going plant operation and maintenance costs will be at the expense of the third parties, i.e. contractors, developers, etc.

D. OTHER SERVICE CHARGES:

1. INSTALL MANHOLE:

- (A) Depth 6 feet and less\$10,743.00
(B) Depth more than 6 feet.....\$13,726.00

2. ABANDONMENT & DEMOLITION:

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. S-5-3 dated 7-02-2010

Effective 05-01-2015

Sheet No. **S-5-3**

ATTACHMENT F

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

- (A) Sewer Lateral\$2,753.00
- 3. INSTALL SEWER CLEANOUT\$2,109.00
- 4. OTHER SERVICE FEES:

The following fees will apply to Utility work performed by outside contractors:

- (A) Engineering service fee (per hour).....\$151.00
- (B) Inspection service fee (per hour):
 - i. Inspection during regular work hours (M-F 8 AM to 5 PM)\$118.00
 - ii. Inspection during non-regular work hours.....\$139.00
 - iii. Inspection during non-regular work hours for Customer's convenience.....\$159.00
- (C) Engineering and inspection for new lateral.....\$2,157.00
- (D) Engineering and inspection for new main (per lineal foot).....\$34.00
- (E) Engineering and inspection for new manhole.....\$2,696.00
- (F) Engineering and inspection for lateral abandonment.....\$1,348.00

{End}

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No. S-5-4 dated 7-02-2010

Effective 05-01-2015

Sheet No. **S-5-4**

ATTACHMENT G

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

A. GENERAL:

1. TERRITORY:

~~Inside the incorporated limits of~~ This Rate Schedule applies anywhere the City of Palo Alto ~~and on land owned or leased by the City of Palo Alto~~ provides Wastewater Service.

B. FEES:

~~All~~ Plan review fees must be paid prior to permit approval by the Utilities Department. Construction or connection fees must be paid prior to the scheduling of any construction. Depending on material availability and scheduling constraints, ~~utility service~~ Utility Service will be installed between 30 and 40 days following receipt of full payment. ~~Any work required to be done outside of Regular work hours are 8 AM to 5 PM, Monday through Friday. Any work the City deems necessary to be performed during non-regular work hours due to traffic, existing conditions or applicant's requirements shall be charged at 1.515 times the stated fee. The following fees are regularly updated, therefore all billings to recover the overtime labor cost. These conditions include but are only not limited to performing work on arterial streets, in business districts, in front of major commercial establishments, and near schools. Any work required to be performed during non-regular work hours where the work is scheduled at the Customer's convenience shall be charged 1.25 times the stated fee to recover the overtime labor cost. All invoices are valid for 90 days from date of billing issuance.~~

1. ~~1.~~ PLAN REVIEW:

New commercial building or remodeling permit valuation greater than \$200,000\$2,316.00
New subdivision residential unit (Wastewater only) \$160.00/unit
System extension 8-inch HDPE Wastewater main \$22.00/ft

~~1.2.~~ COLLECTION SYSTEM EXTENSION CHARGE:

For City Standard 8" Main Charges Per Foot

<u>Wastewater Service Areas 1 & 2</u>	<u>\$119.00</u>
<u>Wastewater Service Areas</u>	
<u>City standard 8-inch main</u>	<u>\$204.00/ft</u>

3 & 4 140.00

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CITY OF PALO ALTO
UTILITIES

Effective ~~7-2-2010~~ 05-01-2015

Supersedes Sheet No. S-5-1 dated ~~7-06-2009~~ 02-201

Sheet No. **S-5-1**

ATTACHMENT G

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

2. CONNECTION CHARGES:

4-inch connection.....	\$5,876.00
6-inch connection.....	6,388.00
4-Inch lateral depth more than 6 feet but less than 10 feet.....	6,476.00
6-inch lateral depth more than 6 feet but less than 10 feet.....	7,332.00
4-inch connection 6 feet and below.....	\$6,589.00
6-inch connection 6 feet and below.....	\$7,124.00
4-Inch lateral depth between 6 feet and 10 feet.....	\$8,225.00
6-inch lateral depth between 6 feet and 10 feet.....	\$8,748.00
Rehabilitate existing lateral by pipe bursting.....	\$4,233.00

Sewer laterals over 25 feet in length will be charged for the additional footage at a rate of \$106/Ln. Ft. for 4-inch connections and \$110/Ln. Ft for 6-inch connections.

Special arrangements must be made to provide for the cost of a connection larger than ~~six~~6-inch. The City will estimate the cost which will serve as the basis for a ~~customer~~Customer deposit. Upon receipt of this deposit the City will install the connection and the ~~customer~~Customer shall pay the actual cost net of the deposit.

34. RELOCATION OF FACILITIES:

Approved relocation of ~~service~~Service, and other facilities will be done at the cost of the person requesting the re-location. ~~Deposit~~Payment of estimated cost is required before relocation work begins. ~~After the City completes the work, a final billing based on actual costs will be sent to the person requesting the relocation of facilities.~~

45. CAPACITY CHARGES:

4-inch connection	\$10,500.00 for first 50 FU, \$210 /FU additional with 5/8-inch Water Meter
(WM)	\$5,250.00
4-inch connection with 1-inch WM.....	\$15,750.00
4- or 6-inch connection	By estimate at \$210/FU with 1-1/2-inch WM
	\$31,668.00
86-inch connection with 2-inch WM.....	\$94,500.00
6-inch and larger connection with 4-inch or larger WM.....	By estimate at \$210/FU

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UTILITIES

Effective ~~7-2-2010~~05-01-2015

Supersedes Sheet No. S-5-2 dated 7-~~06-2009~~02-201

Sheet No. S-5-2

ATTACHMENT G

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

Note: FU is fixture unit (1 FU = 15 gpd).

If a ~~customer~~Customer is upgrading the capacity of an existing ~~service~~Service, then the capacity ~~charge~~Charge will be the difference between the new ~~service~~Service size and the existing ~~service~~Service size.

C. OTHER REQUIREMENTS AND CONDITIONS

1. —INSTALLATION:

The City of Palo Alto installs all Wastewater Services unless directed otherwise and approved by City of Palo Alto Utilities Department.

2. SERVICE CHARGES:

- (A) Additional ~~service~~Service connections are available with payment of additional ~~service~~Service connection ~~charge~~Charge as shown in Section ~~B2~~B3.
- (B) Replacement of ~~service~~Service connections made necessary because of ordinary wear and deterioration will be made without ~~charge~~Charge. Replacement due to inadequacy because of increased demand or load will be charged as a new connection.

23. INSTALLATION UNDER UNUSUAL CONDITIONS:

- (A) Any condition which, in the opinion of the Engineering Manager, Water-Gas-Wastewater will result in a cost higher than the ~~charges~~Charges set forth in Section B above will be classified as unusual. The ~~charge~~Charge for an unusual installation will be based on the Engineering Manager's estimate of the total costs of all materials, labor, and other costs incidental to the installation.
- (B) In the event ~~wastewater service~~Wastewater Service to a ~~premise~~Premise is requested and insufficient capacity exists to provide such ~~service~~Service, the ~~applicant~~Applicant shall bear the total cost for flow monitoring the existing main to determine remaining capacity, design of new sewer main and construction cost for enlarging the collection system to accommodate serving the ~~applicant~~Applicant. The Engineering Manager, Water-Gas-Wastewater may require the ~~applicant~~Applicant to make arrangements for the design and construction of said expansion in accordance with City standards and specifications. Alternatively, the

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UTILITIES

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Sheet No. **S-5-3**

ATTACHMENT G

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

Engineering Manager, Water-Gas-Wastewater may elect for City forces or contractors to design and install respectively such facilities at the ~~applicants~~Applicant's expense.

34. PUMPING PLANTS:

Where pumping facilities are needed to drain ~~wastewater~~Wastewater into the ~~wastewater~~Wastewater collection system, the capital cost of construction of the pumping plant and the on-going plant operation and maintenance costs will be at the expense of the ~~developer~~third parties, i.e. contractors, developers, etc.

D. OTHER SERVICE CHARGES:

1. INSTALL MANHOLE:

(A) Depth less than 6 feet\$6,011.00
(B) Depth more than 6 feet7,889.00
(A) Depth 6 feet and less\$10,743.00
(B) Depth more than 6 feet\$13,726.00

2. ABANDONMENT & DEMOLITION:

(A) Sewer Lateral\$1,270.00
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~~3. OTHER SERVICE FEES:~~

(A) Sewer Lateral\$2,753.00
------------------------------	----------------------------

3. INSTALL SEWER CLEANOUT.....\$2,109.00

4. OTHER SERVICE FEES:

The following fees will apply to ~~utility~~Utility work performed by outside contractors:

(A) Engineering Service Fee (Per Hour)\$132.00
(A) Engineering service fee (per hour)\$151.00
(B) Inspection Service Fee (Per Hour)102.00 <u>service fee (per hour):</u>

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UTILITIES

Effective ~~7-2-2010~~05-01-2015

Supersedes Sheet No. S-5-4 dated ~~7-06-2009~~02-201

Sheet No. **S-5-4**

ATTACHMENT G

WASTEWATER SERVICE CONNECTION FEES

UTILITY RATE SCHEDULE S-5

i. Inspection during regular work hours (M-F 8 AM to 5 PM)	\$118.00
ii. Inspection during non-regular work hours.....	\$139.00
iii. Inspection during non-regular work hours for Customer's convenience.....	\$159.00
(C) Engineering and inspection for new lateral.....	\$2,157.00
(D) Engineering and inspection for new main (per lineal foot).....	\$34.00
(E) Engineering and inspection for new manhole.....	\$2,696.00
(F) Engineering and inspection for lateral abandonment.....	\$1,348.00

{End}

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UTILITIES

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Supersedes Sheet No. S-5-5 dated 7-~~06-2009~~ 02-201

Sheet No. **S-5-5**

ATTACHMENT H

UTILITY MISCELLANEOUS CHARGES

UTILITY RATE SCHEDULE C-1

Customer Charges under this schedule, except for disconnection or restoration of Service for non-payment, may be added to the regular monthly Utilities bill of the Customer receiving the Service, and payment thereof will be subject to the Utilities Rules and Regulations regarding disconnection of Service for non-payment. All Charges related to disconnection or restoration for non-payment, are due and payable prior to the restoration of Utilities Service. Regular work hours are 8 AM to 5 PM, Monday through Friday.

	Charges During Regular Hours	Charges After Regular Hours
A. <u>SERVICE CALLS AND OTHER SERVICE WORK:</u>		
1. Setting Electric Meter (for Water Meters see Utility Rate Schedule W-5, for Gas Meters see Utility Rate Schedule G-5)	No Charge	\$300.00
2. Dispatch of CPAU staff to disconnect Service at Meters for non-payment of Utilities bill	\$147.00	Not applicable
3. Restoration of Service at Meters following disconnection for non-payment of Utilities bill	\$147.00	\$300.00
4. Restoration of Electric Service at power pole following disconnection for non-payment of Utilities bill	\$294.00	\$504.00
B. <u>LABOR RATES PER HOUR PER PERSON:</u>		
1. Service provided during regular work hours	\$123.00	Not applicable
2. Service provided on overtime basis where the overtime is scheduled at the City's convenience.	Not applicable	\$144.00
3. Service provided on overtime basis where the overtime is scheduled at the Customer's convenience.	Not applicable	\$166.00
C. <u>RETURNED PAYMENT FEES:</u>	See City of Palo Alto Municipal Fee Schedule.	
D. <u>LATE PAYMENT CHARGE:</u>	Two percent (2%) of unpaid balance of Utilities Bill	
E. <u>DEPOSITS:</u>		
1. Customer deposit for Meter accuracy test	\$0-300.00	Not applicable

{End}

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CITY OF PALO ALTO
UTILITIES

Supersedes Sheet No.C-1-1 dated 3-18-2013

Effective 05-01-2015
Sheet No.**C-1-1**

ATTACHMENT I

UTILITY MISCELLANEOUS CHARGES

UTILITY RATE SCHEDULE C-1

UTILITY MISCELLANEOUS CHARGES

UTILITY RATE SCHEDULE C-1

Customer ~~charges~~Charges under this schedule, except for disconnection or restoration of ~~service~~Service for non-payment, may be added to the regular monthly Utilities bill of the ~~customer~~Customer receiving the ~~service~~Service, and payment thereof will be subject to the Utilities Rules and Regulations regarding disconnection of ~~service~~Service for non-payment. All ~~charges~~Charges related to disconnection or restoration for non-payment, are due and payable prior to the restoration of Utilities ~~service~~Service. Regular work hours are 8 AM to 5 PM, Monday through Friday.

Charges ~~during~~During Charges
After
~~Business~~Regular Hours—
Business Regular Hours

A. SERVICE CALLS AND OTHER SERVICE WORK:

1. Setting ~~Electric~~ Meter (for Water Meters see Utility Rate Schedule W-5, for Gas Meters see Utility Rate Schedule G-5) No Charge \$300.00—
~~\$273.00~~

1.2. Dispatch of ~~service person~~CPAU staff to disconnect ~~service~~Service at ~~meters~~Meters for non-payment of Utilities bill \$147.00 —
~~\$109.00~~ Not applicable

2.3. Restoration of ~~service~~Service at ~~meters~~Meters following disconnection for non-payment of Utilities bill \$147.00 \$300.00 —
~~\$109.00~~ ~~\$273.00~~

3.4. Restoration of ~~electric service~~Electric Service at power pole following disconnection for non-payment of Utilities bill \$294.00 \$504.00 —
~~\$218.00~~ ~~\$436.00~~

Customer deposit for meter accuracy test (Rule 15) — \$0-300.00 — Not applicable

Note: Customer deposit for meter accuracy test will be refunded if tested meter is more than two percent (2%) over registering. Deposit will be forfeit if tested meter registers within +/- 2% (plus or minus two percent) accurate.

B. LABOR RATES PER HOUR PER PERSON:

B. LABOR RATES PER HOUR PER PERSON:

1. Service provided during ~~normal working~~regular work hours \$123.00 —
~~\$109.00~~ Not applicable

2. Service provided on overtime basis where the overtime is scheduled at the City's convenience. Not applicable \$144.00—
~~\$128.00~~

CITY OF PALO ALTO UTILITIES

Issued by the City Council



CITY OF PALO ALTO UTILITIES

Supersedes Sheet No.C-1-1 dated ~~7-1-2009~~3-18-2013

Effective ~~3-18-2013~~05-01-2015

Sheet No.C-1-1

ATTACHMENT I

~~UTILITY MISCELLANEOUS CHARGES~~

UTILITY RATE SCHEDULE C-1

3. Service provided on overtime basis where the overtime is scheduled at the ~~customer's~~ Customer's convenience. Not applicable \$166.00-
~~\$147.00~~

C. RETURNED PAYMENT FEES:

See City of Palo Alto Municipal Fee Schedule.

D. LATE PAYMENT CHARGE:

Two percent (2%) of unpaid balance of Utilities Bill

E. DEPOSITS:

1. Customer deposit for Meter accuracy test \$0-300.00 Not applicable

{End}

CITY OF PALO ALTO UTILITIES

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CITY OF PALO ALTO

Supersedes Sheet No.C-1-1 dated ~~7-1-2009~~ 3-18-2013

Effective ~~3-18-2013~~ 05-01-2015
UTILITIES

Sheet No.**C-1-1**

GAS SERVICE STANDARD CONNECTION FEES - UTILITY RATE SCHEDULE G-5								
PLAN REV FEES		NEW SFR OR RES REMODEL	NEW	1	EA	NEW	\$848.00	NEW
PLAN REV FEES		NEW SUBDIVISION EACH SFR GAS ONLY	NEW	1	EA	NEW	\$348.00	NEW
PLAN REV FEES		NEW COMMERCIAL BLDG OR COMM REMODEL GAS ONLY	NEW	1	EA	NEW	\$2,316.00	NEW
PLAN REV FEES		SYSTEM EXTENSION 2" PE GAS MAIN	NEW	1	FT	NEW	\$12.00	NEW

TYPE OF SERVICE	SIZE	WORK DESCRIPTION	EFFECTIVE DATE	UNITS	UNIT MEASURE	EXISTING CONNECTION CHARGE	RECOMMENDED CONNECTION CHARGE Includes Wages, Materials and Trenching	PERCENT INCREASE
MAIN	2"	GAS SYSTEM EXTENSION	8/8/2008	1	FT	\$93.00	\$173.00	86%
SERVICE BORING	1"	NEW SERVICE CONNECTION	8/8/2008	1	EA	\$2,766.00	\$4,343.00	57%
SERVICE BORING	2"	NEW SERVICE CONNECTION	8/8/2008	1	EA	\$4,156.00	\$5,250.00	26%
SERVICE BORING	1" or 2"	ADDITIONAL PIPE INSTALLATION FOR NEW SERVICE	NEW	1	FT	NEW	\$49.00	NEW
SERVICE INSTALL	2"	2" PE PIPE INSTALLATION IN CONTRACTOR PROVIDED TRENCH	NEW	1	FT	NEW	\$60.00	NEW
SERVICE TRENCHING	1" OR 2"	NEW SERVICE CONNECTION	NEW	1	EA	NEW	\$5,976.00	NEW
SERVICE	PE PIPE	RISER RELOCATION	8/8/2008	1	EA	\$834.00	\$1,422.00	71%
CURB METER SERVICE	1"	CURB RISER RELOCATION ON EXIST. 1" PE PIPE	8/8/2008	1	EA	\$594.00	\$796.00	34%
CURB METER SERVICE	½" - 1"	CURB RISER RELOCATION ON SAME ALIGNMENT OF EXISTING SERVICE	8/8/2008	1	EA	\$965.00	\$1,274.00	32%
CURB METER SERVICE	½" - 1"	CURB RISER RELOCATION NEW SERVICE AND ALIGNMENT	8/8/2008	1	EA	\$1,408.00	\$2,038.00	45%
TAP MAIN	1"-2"	TAP MAIN FOR CONTRACTOR INSTALLED SERVICE	NEW	1	EA	NEW	\$1,603.00	NEW
TAP MAIN	4"-6"	TAP MAIN FOR CONTRACTOR INSTALLED SERVICE	NEW	1	EA	NEW	\$2,212.00	NEW
ADD METER	UP TO 630	ADDITIONAL METER WITH NEW SERVICE CONNECTION	8/8/2008	1	EA	\$86.00	\$529.00	515%
ADD METER	UP TO 630	ADDITIONAL METER ON EXISTING SERVICE CONNECTION	8/8/2008	1	EA	\$286.00	\$1,193.00	317%
METER - REGULATOR	250 CFH	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$347.00	\$850.00	145%
METER - REGULATOR	400 CFH	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$468.00	\$961.00	105%
METER - REGULATOR	630 CFH	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$697.00	\$1,329.00	91%
METER - REGULATOR	800 CFH	METER CHARGE INSTALLATION	NEW	1	EA	NEW	\$1,781.00	NEW
METER - REGULATOR	1000 CFH	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$1,665.00	\$1,886.00	13%
CURB METER	250 CFH	METER CHARGE CURB INSTALLATION	8/8/2008	1	EA	\$813.00	\$1,805.00	122%
CURB METER	400 CFH	METER CHARGE CURB INSTALLATION	8/8/2008	1	EA	\$934.00	\$2,023.00	117%
CURB METER	630 CFH	METER CHARGE CURB INSTALLATION	8/8/2008	1	EA	\$975.00	\$2,285.00	134%
METER - COMMERCIAL	1500 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$1,735.00	\$2,487.00	43%
METER - COMMERCIAL	2000 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$1,999.00	\$3,417.00	71%
METER - COMMERCIAL	3000 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$2,140.00	\$3,431.00	60%
METER - COMMERCIAL	5000 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$2,983.00	\$3,837.00	29%
METER - COMMERCIAL	7000 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$3,625.00	\$4,418.00	22%
METER - COMMERCIAL	11,000 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$4,997.00	\$11,405.00	128%
METER - COMMERCIAL	16,000 CFH	METER CHARGE INSTALLATION - ROTARY	8/8/2008	1	EA	\$6,300.00	\$12,472.00	98%
METER - COMMERCIAL	23,000 CFH	METER CHARGE INSTALLATION - ROTARY	NEW	1	EA	NEW	\$14,760.00	NEW
EVC COMMERCIAL		ELECTRONIC VOLUME CORRECTOR SYSTEM	8/8/2008	1	EA	\$5,808.00	\$5,808.00	0%
AMR ERT DIAPHR METER	UP TO 1000	ERT INSTALLATION	8/8/2008	1	EA	\$81.00	\$155.00	91%
AMR ERT ROTARY METER	OVER 1500	ERT INSTALLATION	8/8/2008	1	EA	\$130.00	\$208.00	60%
VENT LINE FOR REG	3/4"	VENT LINE INSTALLATION	8/8/2008	1	EA	\$108.00	\$305.00	182%
2" BOLLARD	2"	BOLLARD INSTALLATION	8/8/2008	1	EA	\$162.00	\$339.00	109%
4" BOLLARD	4"	BOLLARD INSTALLATION	NEW	1	EA	NEW	\$494.00	NEW
ENGINEERING		ENGINEERING SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$132.00	\$151.00	14%
INSPECTIONS		INSPECTION SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$102.00	\$118.00	16%
INSPECTIONS		INSPECTION OVERTIME SERVICE FEE AT CITY'S CONVENIENCE	NEW	1	MANHR	NEW	\$139.00	NEW
INSPECTIONS		INSPECTION OVERTIME SERVICE FEE AT CUSTOMER'S CONVENIENCE	NEW	1	MANHR	NEW	\$159.00	NEW
OPERATIONS		OPERATIONS SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$109.00	\$123.00	13%

WATER SERVICE STANDARD CONNECTION FEES - UTILITY RATE SCHEDULE W-5								
PLAN REV FEES		NEW SUBDIVISION EACH SFR WATER ONLY	NEW	1	EA	NEW	\$348.00	NEW
PLAN REV FEES		NEW COMMERCIAL BLDG OR COMM REMODEL WATER ONLY	NEW	1	EA	NEW	\$3,072.00	NEW
PLAN REV FEES		SYSTEM EXTENSION 8" HDPE WATER MAIN	NEW	1	FT	NEW	\$12.00	NEW

TYPE OF SERVICE	SIZE	WORK DESCRIPTION	EFFECTIVE DATE	UNITS	UNIT MEASURE	EXISTING CONNECTION CHARGES	RECOMMENDED CONNECTION CHARGE Includes Wages, Materials and Trenching	PERCENT INCREASE
MAIN	8"	SYSTEM EXTENSION 8" HDPE WATER MAIN	8/8/2008	1	FT	\$111.00	\$206.00	86%
DOMESTIC, IRR OR FIRE	2"	NEW SERVICE CONNECTION	8/8/2008	1	EA	\$5,681.00	\$4,863.00	-14%
DOMESTIC, IRR OR FIRE	4"	NEW SERVICE CONNECTION	8/8/2008	1	EA	\$8,381.00	\$7,156.00	-15%
DOMESTIC, IRR OR FIRE	6"	NEW SERVICE CONNECTION	8/8/2008	1	EA	\$9,379.00	\$8,137.00	-13%
DOMESTIC, IRR OR FIRE	8"	NEW SERVICE CONNECTION	NEW	1	EA	NEW	\$9,469.00	NEW
DOMESTIC, IRR OR FIRE	10"	NEW SERVICE CONNECTION	NEW	1	EA	NEW	\$10,625.00	NEW
FIRE		INSTALL FIRE HYDRANT ONLY	8/8/2008	1	EA	\$2,830.00	\$2,552.00	-10%
FIRE	6"	INSTALL FIRE HYDRANT & LATERAL	8/8/2008	1	EA	\$9,785.00	\$12,840.00	31%
FIRE	6"	FIRE HYDRANT RELOCATION	8/8/2008	1	EA	\$4,261.00	\$6,841.00	61%
DOMESTIC/ IRRIGATION	2"	ADD NEW SERVICE CONNECTING TO A LARGER SERVICE	8/8/2008	1	EA	\$2,383.00	\$3,122.00	31%
DOMESTIC/IRRIGATION	4"	ADD NEW SERVICE CONNECTING TO A LARGER SERVICE	8/8/2008	1	EA	\$5,043.00	\$4,449.00	-12%
DOMESTIC/ IRRIGATION	6"	ADD NEW SERVICE CONNECTING TO A LARGER SERVICE	NEW	1	EA	NEW	\$4,842.00	NEW
TAP WATER MAIN	2"	TAP WATER MAIN FOR 2" SERVICE	NEW	1	EA	NEW	\$1,649.00	NEW
TAP WATER MAIN	4"	TAP WATER MAIN FOR 4" SERVICE	NEW	1	EA	NEW	\$2,162.00	NEW
TAP WATER MAIN	6"	TAP WATER MAIN FOR 6" SERVICE	NEW	1	EA	NEW	\$3,288.00	NEW
TAP WATER MAIN	8"	TAP WATER MAIN FOR 8" SERVICE	NEW	1	EA	NEW	\$4,498.00	NEW
ADD METER	5/8" - 2"	ADDITIONAL METER ON NEW CONNECTION	8/8/2008	1	EA	\$321.00	\$1,264.00	294%
ADD METER	5/8" - 2"	ADDITIONAL METER ON EXISTING CONNECTION	8/8/2008	1	EA	\$783.00	\$1,866.00	138%
DOMESTIC	5/8"x3/4"	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$222.00	\$698.00	214%
DOMESTIC	1"	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$276.00	\$862.00	212%
DOMESTIC	1-1/2"	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$492.00	\$1,444.00	193%
DOMESTIC	2"	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$601.00	\$1,635.00	172%
DOMESTIC	4"	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$2,429.00	\$5,740.00	136%
DOMESTIC	6"	METER CHARGE INSTALLATION	8/8/2008	1	EA	\$4,138.00	\$8,051.00	95%
DOMESTIC	2"	2 METER MANIFOLD INSTALLATION	8/8/2008	1	EA	\$612.00	\$724.00	18%
ANY TYPE	8"-12"	INSPECT & ENG FOR METERS PURCH & INSTALL BY OTHERS	NEW	24	MANHR	NEW	\$3,235.00	NEW
ANY TYPE	3/4" - 2"	SERVICE DEMOLITION	8/8/2008	1	EA	\$952.00	\$2,653.00	179%
ANY TYPE	3" - 8"	SERVICE DEMOLITION	8/8/2008	1	EA	\$1,383.00	\$3,715.00	169%
ENGINEER & INSPECT	2"	INSPECT & ENG NEW 2" DOM/IRR SVC INSTALLED BY OTHERS	NEW	12	MANHR	NEW	\$1,618.00	NEW
ENGINEER & INSPECT	2"	INSPECT & ENG 2" DOM/IRR SVC TO FIRE SVC INSTALLED BY OTHERS	NEW	8	MANHR	NEW	\$1,078.00	NEW
ENGINEER & INSPECT	4"-8"	INSPECT & ENG FOR 4" OR LARGER SVC INSTALLED BY OTHERS	NEW	18	MANHR	NEW	\$2,426.00	NEW
ENGINEER & INSPECT	6"	INSPECT & ENG NEW FIRE HYDRANT & LAT INSTALLED BY OTHERS	NEW	18	MANHR	NEW	\$2,426.00	NEW
ENGINEER & INSPECT	3/4" - 2"	INSPECT & ENG ABAND UP TO 2" WATER SVC BY OTHERS	NEW	6	MANHR	NEW	\$809.00	NEW
ENGINEER & INSPECT	3" - 8"	INSPECT & ENG ABAND 3" & LARGER WATER SVC BY OTHERS	NEW	8	MANHR	NEW	\$1,078.00	NEW
ENGINEER & INSPECT	8"	INSPECT & ENGINEERING FOR NEW 8" MAIN INSTALLED BY OTHERS	NEW	0.2	MANHR/FT	NEW	\$27.00	NEW
ENGINEERING		ENGINEERING SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$132.00	\$151.00	14%
OPERATIONS		OPERATIONS SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$109.00	\$123.00	13%
INSPECTIONS		INSPECTION SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$102.00	\$118.00	16%
INSPECTIONS		INSPECTION OVERTIME SERVICE FEE AT CITY'S CONVENIENCE	NEW	1	MANHR	NEW	\$139.00	NEW
INSPECTIONS		INSPECTION OVERTIME SERVICE FEE AT CUSTOMER'S CONVENIENCE	NEW	1	MANHR	NEW	\$159.00	NEW

WASTEWATER SERVICE STANDARD CONNECTION FEES - UTILITY RATE SCHEDULE S-5								
PLAN REV FEES		NEW SUBDIVISION EACH SFR SEWER ONLY	NEW	1	EA	NEW	\$160.00	NEW
PLAN REV FEES		NEW COMMERCIAL BLDG OR COMM REMODEL SEWER ONLY	NEW	1	EA	NEW	\$2,316.00	NEW
PLAN REV FEES		SYSTEM EXTENSION 8" HDPE WASTEWATER MAIN	NEW	1	FT	NEW	\$22.00	NEW

TYPE OF SERVICE	SIZE	WORK DESCRIPTION	EFFECTIVE DATE	UNITS	UNIT MEASURE	EXISTING CONNECTION CHARGES	RECOMMENDED CONNECTION CHARGE Includes Wages, Materials and Trenching	PERCENT INCREASE
MAIN < 8'	8"	COLLECTION SYSTEM EXTENSION	8/8/2008	1	FT	\$119.00	\$204.00	71%
LATERAL DEPTH < 6'	4"	NEW LATERAL CONNECTION	8/8/2008	1	EA	\$5,876.00	\$6,589.00	12%
LATERAL DEPTH < 6'	6"	NEW LATERAL CONNECTION	8/8/2008	1	EA	\$6,388.00	\$7,124.00	12%
LATERAL DEPTH > 6'	4"	NEW LATERAL CONNECTION	8/8/2008	1	EA	\$6,476.00	\$8,225.00	27%
LATERAL DEPTH > 6'	6"	NEW LATERAL CONNECTION	8/8/2008	1	EA	\$7,332.00	\$8,748.00	19%
LATERAL PIPE BURST	4" OR 6"	REHABILITATE EXISTING LATERAL	NEW	1	EA	NEW	\$4,233.00	NEW
MANHOLE DEPTH < 6'		NEW MANHOLE INSTALLATION	8/8/2008	1	EA	\$6,011.00	\$10,743.00	79%
MANHOLE DEPTH > 6'		NEW MANHOLE INSTALLATION	8/8/2008	1	EA	\$7,889.00	\$13,726.00	74%
NEW CLEANOUT	4" OR 6"	NEW CLEANOUT INSTALLATION	NEW	1	EA	NEW	\$2,109.00	NEW
DEMO LATERAL	4" OR 6"	DEMOLITION AND ABANDONMENT	8/8/2008	1	EA	\$1,270.00	\$2,753.00	117%
ENGINEER & INSPECT	4" OR 6"	INSPECT & ENG FOR NEW WASTEWATER LATERAL	NEW	16	MANHR	NEW	\$2,157.00	NEW
ENGINEER & INSPECT	8"	INSPECT & ENG FOR NEW 8" WASTEWATER MAIN	NEW	0.25	MH/FT	NEW	\$34.00	NEW
ENGINEER & INSPECT		INSPECT & ENG FOR NEW WASTEWATER MANHOLE	NEW	20	MANHR	NEW	\$2,696.00	NEW
ENGINEER & INSPECT	4" OR 6"	INSPECT & ENG FOR ABANDONMENT OF WASTEWATER SERVICE	NEW	10	MANHR	NEW	\$1,348.00	NEW
ENGINEERING		ENGINEERING SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$132.00	\$151.00	14%
OPERATIONS		OPERATIONS SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$109.00	\$123.00	13%
INSPECTIONS		INSPECTION SERVICE FEE FOR NON STANDARD CONNECTION RATES	8/8/2008	1	MANHR	\$102.00	\$118.00	16%
INSPECTIONS		INSPECTION OVERTIME SERVICE FEE AT CITY'S CONVENIENCE	NEW	1	MANHR	NEW	\$139.00	NEW
INSPECTIONS		INSPECTION OVERTIME SERVICE FEE AT CUSTOMER'S CONVENIENCE	NEW	1	MANHR	NEW	\$159.00	NEW

UTILITY MISCELLANEOUS CHARGES - UTILITY RATE SCHEDULE C-1											
CHARGED BY	WORK PERFORMED BY	WORK DESCRIPTION	EFFECTIVE DATE	QUANTITY	UNIT MEASURE	EXIST CHARGE DURING BUSINESS HOURS	RECOMMENDED CHARGE DURING BUSINESS HOURS	PERCENT INCREASE	EXISTING CHARGE AFTER BUSINESS HOURS	RECOMMENDED CHARGE AFTER BUSINESS HOURS	PERCENT INCREASE
UTIL CUSTOMER SERVICE	ELECTRIC OPERATIONS	SETTING METER	3/18/2013	1	MANHR	NO CHARGE	NO CHARGE	NO CHARGE	\$273.00	\$300.00	10%
UTIL CUSTOMER SERVICE	ELECTRIC OPERATIONS	DISPATCH OF SERVICE PERSON TO DISCONNECT SERVICE AT METERS FOR NON-PAYMENT	3/18/2013	1	MANHR	\$109.00	\$147.00	35%	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
UTIL CUSTOMER SERVICE	ELECTRIC OPERATIONS	RESTORATION OF SERVICE AT METERS FOLLOWING DISCONNECTION FOR NON-PAYMENT	3/18/2013	1	MANHR	\$109.00	\$147.00	35%	\$273.00	\$300.00	10%
UTIL CUSTOMER SERVICE	ELECTRIC OPERATIONS	RESTORATION OF ELECTRIC SERVICE AT POWER POLE FOLLOWING DISCONNECTION FOR NON-PAYMENT	3/18/2013	2	MANHR	\$218.00	\$294.00	35%	\$436.00	\$504.00	16%

LABOR RATES PER HOUR PER PERSON - UTILITY RATE SCHEDULE C-1								
CHARGED BY	WORKED PERFORMED BY	WORK DESCRIPTION	EFFECTIVE DATE	QUANTITY	UNIT MEASURE	EXISTING RATE	RECOMMENDED RATE	PERCENT INCREASE
ELECTRIC/WGW OPERATIONS	ELECTRIC/WGW OPERATIONS	SERVICE PROVIDED DURING NORMAL BUSINESS HOURS	7/1/2002	1	RATE/HR/PERSON	\$109.00	\$123.00	13%
ELECTRIC/WGW OPERATIONS	ELECTRIC/WGW OPERATIONS	SERVICE PROVIDED ON OVERTIME BASIS (CITY'S CONVENIENCE)	7/1/2002	1	RATE/HR/PERSON	\$128.00	\$144.00	13%
ELECTRIC/WGW OPERATIONS	ELECTRIC/WGW OPERATIONS	SERVICE PROVIDED ON OVERTIME BASIS (CUSTOMER'S CONVENIENCE)	7/1/2002	1	RATE/HR/PERSON	\$147.00	\$166.00	13%

TABLE 1 - ESTIMATED PERSONNEL HOURS & WAGES FOR REVIEW OF PLAN SUBMITTALS FOR WATER									
				PLAN REVIEW COSTS					
		Hourly Wages	Hourly Wages Including benefits & Overhead	SUBDIVISION SFR		MAIN EXTENSION		COMM BLDG	
Employee	Employee	Effective 12/01/14		PER EACH		PER LF		PER EACH	
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	2.00	\$302.69	0.07	\$10.59	20.00	\$3,026.88
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.01	\$0.91	0.50	\$45.46
TOTALS				2.50	\$348.15	0.08	\$11.50	20.50	\$3,072.34

TABLE 2 - ESTIMATED PERSONNEL HOURS & WAGES FOR WATER SERVICE INSTALLATION											
				DIRECTIONALY BORE DOMESTIC, IRRIGATION AND FIRE WATER SERVICES							
		Hourly Wages	Hourly Wages Including benefits & Overhead	2" HDP		4" HDPE		6" HDPE		2" CU	
Employee	Employee	Effective 12/01/14									
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
Inspection I	Util Inspector	\$41.06	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25
Operations	Supervisor	\$64.14	\$184.72	1.00	\$184.72	2.00	\$369.45	2.00	\$369.45	0.50	\$92.36
Sawcut	Install/Rep	\$39.18	\$112.84	1.00	\$112.84	1.00	\$112.84	1.00	\$112.84	2.00	\$225.68
Lead	Heavy Eq O.	\$37.13	\$106.93	6.00	\$641.61	8.00	\$855.48	9.00	\$962.41	8.00	\$855.48
Lead Inst	Install/Rep L	\$42.76	\$123.15	6.00	\$738.89	8.00	\$985.19	9.00	\$1,108.34	8.00	\$985.19
Inst/Rep	Install/Rep	\$39.18	\$112.84	6.00	\$677.03	8.00	\$902.71	9.00	\$1,015.55	8.00	\$902.71
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	6.00	\$574.21	8.00	\$765.62	9.00	\$861.32	8.00	\$765.62
Paving	Equip Oper	\$32.79	\$94.44	1.50	\$141.65	3.00	\$283.31	3.00	\$283.31	1.50	\$141.65
Concrete	Cement Finisher Lead	\$37.93	\$109.24	1.50	\$163.86	3.00	\$327.72	3.00	\$327.72	1.50	\$163.86
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	1.00	\$90.92	1.00	\$90.92	0.50	\$45.46
TOTALS				32.00	\$3,595.33	47.50	\$5,008.28	51.50	\$5,446.90	40.50	\$4,493.06

TABLE 3 - ESTIMATED PERSONNEL HOURS & WAGES FOR LARGE SERVICE AND MAIN INSTALLATIONS									
			Hourly Wages Including benefits & Overhead	LARGE DOMESTIC AND FIRE WATER SERVICES				8" HDPE WATER MAIN	
		Hourly Wages		8" HDPE		10" HDPE		8" MAIN PER FOOT	
Employee	Employee	Effective 12/01/14							
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	0.01	\$1.51
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.01	\$0.91
Inspection I	Util Inspector	\$41.06	\$118.25	3.00	\$354.76	3.00	\$354.76	0.10	\$11.83
Operations	Supervisor	\$64.14	\$184.72	2.00	\$369.45	3.00	\$554.17	0.10	\$18.47
Sawcut	Install/Rep	\$39.18	\$112.84		\$0.00		\$0.00	0.01	\$1.13
Lead	Heavy Eq O.	\$37.13	\$106.93	10.00	\$1,069.34	12.00	\$1,283.21	0.20	\$21.39
Lead Inst	Install/Rep L	\$42.76	\$123.15	10.00	\$1,231.49	12.00	\$1,477.79	0.20	\$24.63
Inst/Rep	Install/Rep	\$39.18	\$112.84	10.00	\$1,128.38	12.00	\$1,354.06	0.20	\$22.57
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	10.00	\$957.02	12.00	\$1,148.43	0.20	\$19.14
Paving	Equip Oper	\$32.79	\$94.44	3.00	\$283.31	4.00	\$377.74	0.10	\$9.44
Concrete	Cement Finisher Lead	\$37.93	\$109.24	3.00	\$327.72	3.00	\$327.72	0.10	\$10.92
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.01	\$0.91
TOTALS				53.00	\$5,963.73	63.00	\$7,120.14	1.24	\$142.45

TABLE 4 - ESTIMATED PERSONNEL HOURS & WAGES FOR WATER SERVICES TAPPING A LARGER WATER SERVICE											
		Hourly Wages	Hourly Wages Including benefits & Overhead								
Employee	Employee	Effective 12/01/14		2" HDP		4" HDPE		6" HDPE		2" CU	
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	1.00	\$90.92	1.00	\$90.92	0.50	\$45.46
Inspection I	Util Inspector	\$41.06	\$118.25		\$0.00	3.00	\$354.76	3.00	\$354.76		\$0.00
Operations	Supervisor	\$64.14	\$184.72	0.50	\$92.36	2.00	\$369.45	2.00	\$369.45	0.50	\$92.36
Sawcut	Install/Rep	\$39.18	\$112.84		\$0.00		\$0.00		\$0.00		\$0.00
Lead	Heavy Eq O.	\$37.13	\$106.93	3.00	\$320.80	4.00	\$427.74	4.00	\$427.74	2.00	\$213.87
Lead Inst	Install/Rep L.	\$42.76	\$123.15	3.00	\$369.45	4.00	\$492.60	4.00	\$492.60	2.00	\$246.30
Inst/Rep	Install/Rep	\$39.18	\$112.84	3.00	\$338.52	4.00	\$451.35	4.00	\$451.35	2.00	\$225.68
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	3.00	\$287.11	4.00	\$382.81	4.00	\$382.81	2.00	\$191.40
Paving	Equip Oper	\$32.79	\$94.44	1.00	\$94.44	1.00	\$94.44	1.00	\$94.44	1.00	\$94.44
Concrete	Cement Finisher Lead	\$37.93	\$109.24	1.00	\$109.24	1.00	\$109.24	1.00	\$109.24	1.00	\$109.24
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
TOTALS				16.50	\$1,854.17	25.50	\$2,970.10	25.50	\$2,970.10	12.50	\$1,415.55

TABLE 5 - ESTIMATED PERSONNEL HOURS & WAGES FOR WATER MAIN TAPPING															
		Hourly Wages	Hourly Wages Including benefits & Overhead	TAPPING MAIN FOR NEW WATER SERVICE								DEMO EXISTING WATER SERVICES			
Employee	Employee	Effective 12/01/14		2" SERVICE		4" SERVICE		6" SERVICE		8" SERVICE		DEMO 3/4" - 2"		DEMO 3" - 8"	
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
Inspection I	Util Inspector	\$41.06	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25
Operations	Supervisor	\$64.14	\$184.72	1.00	\$184.72	1.00	\$184.72	2.00	\$369.45	3.00	\$554.17	2.00	\$369.45	3.00	\$554.17
Sawcut	Install/Rep	\$39.18	\$112.84		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$112.84	1.00	\$112.84
Lead	Heavy Eq O.	\$37.13	\$106.93		\$0.00		\$0.00		\$0.00		\$0.00	3.00	\$320.80	5.00	\$534.67
Lead Inst	Install/Rep L.	\$42.76	\$123.15	2.00	\$246.30	2.00	\$246.30	4.00	\$492.60	5.00	\$615.74	3.00	\$369.45	5.00	\$615.74
Inst/Rep	Install/Rep	\$39.18	\$112.84	2.00	\$225.68	2.00	\$225.68	4.00	\$451.35	5.00	\$564.19	3.00	\$338.52	5.00	\$564.19
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	2.00	\$191.40	2.00	\$191.40	4.00	\$382.81	5.00	\$478.51	3.00	\$287.11	5.00	\$478.51
Paving	Equip Oper	\$32.79	\$94.44		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$94.44	1.00	\$94.44
Concrete	Cement Finisher Lead	\$37.93	\$109.24		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$109.24	1.00	\$109.24
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
TOTALS	Totals			10.00	\$1,208.62	10.00	\$1,208.62	17.00	\$2,056.72	38.50	\$2,573.14	20.00	\$2,362.35	38.50	\$3,424.32

TABLE 6 - ESTIMATED PERSONNEL HOURS & WAGES FOR OTHER WATER INSTALLATIONS																	
		Hourly Wages	Hourly Wages Including Benefits & Overhead	WATER SERVICES													
Employee	Employee	Effective 12/01/14		Add 5/8" - 1" on new conn		Add 5/8" - 1" on existing conn		Install Fire Hydrant and Lateral		Fire Hydrant Relocation		Install Fire Hydrant only		Water Meter Relocation		Install 1" x 3/4" U- branch for two 5/8" mtrs	
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	0.50	\$75.67	0.50	\$75.67	2.00	\$302.69	4.00	\$605.38	1.00	\$75.67	1.00	\$151.34	1.00	\$151.34
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$22.73	0.50	\$45.46	0.50	\$45.46
Inspection I	Util Inspector	\$41.06	\$118.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
Operations	Supervisor	\$64.14	\$184.72		\$0.00		\$0.00	0.50	\$92.36	0.50	\$92.36	0.50	\$0.00	0.50	\$92.36	0.50	\$92.36
Sawcut	Install/Rep	\$39.18	\$112.84		\$0.00	1.00	\$112.84		\$0.00	1.00	\$112.84		\$0.00	1.00	\$112.84		\$0.00
Lead	Heavy Eq O.	\$37.13	\$106.93		\$0.00		\$0.00	11.00	\$1,176.28	8.00	\$855.48		\$0.00	2.00	\$213.87		\$0.00
Lead Inst	Install/Rep L.	\$42.76	\$123.15	2.00	\$246.30	2.00	\$246.30	11.00	\$1,354.64	8.00	\$985.19	2.00	\$492.60	2.00	\$246.30	1.00	\$123.15
Inst/Rep	Install/Rep	\$39.18	\$112.84		\$0.00	2.00	\$225.68	11.00	\$1,241.22	8.00	\$902.71	2.00	\$451.35	2.00	\$225.68	1.00	\$112.84
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70		\$0.00		\$0.00	11.00	\$1,052.73		\$0.00		\$0.00		\$0.00		\$0.00
Paving	Equip Oper	\$32.79	\$94.44		\$0.00		\$0.00	4.00	\$377.74		\$0.00		\$0.00		\$0.00		\$0.00
Concrete	Cement Finisher Lead	\$37.93	\$109.24		\$0.00	2.00	\$218.48	3.00	\$327.72	3.00	\$327.72		\$0.00	2.00	\$218.48		\$0.00
Operations	Admin	\$31.57	\$90.92		\$0.00	0.50	\$45.46	0.50	\$45.46	1.00	\$90.92	0.50	\$22.73	0.50	\$45.46		\$0.00
TOTALS	Totals			3.00	\$367.43	8.50	\$969.88	54.50	\$6,016.29	34.00	\$4,018.05	6.50	\$1,062.08	11.50	\$1,384.79	1.00	\$525.15

TABLE 7 - ESTIMATED PERSONNEL HOURS & WAGES FOR WATER METER INSTALLATIONS															
Employee	Employee	Hourly Wages Effective 12/01/14	Hourly Wages Including Benefits & Overhead Using Rate 2.88	WATER METER											
				5/8" water E-meter		1" water E-meter		1-1/2" water E-meter		2" water E-meter		4" compound meter		6" compound meter	
				# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	0.50	\$75.67	0.50	\$75.67	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
Inspection I	Util Inspector	\$41.06	\$118.25		\$0.00		\$0.00	2.00	\$236.51	2.00	\$236.51	4.00	\$473.01	4.00	\$473.01
Inspection II	Water Meter Supervisor	\$64.14	\$184.72	0.50	\$92.36	0.50	\$92.36	1.00	\$184.72	1.00	\$184.72	4.00	\$738.89	4.00	\$738.89
Meter Set	Meter Repair	\$31.73	\$91.38	1.50	\$137.07	1.50	\$137.07	2.00	\$182.76	2.00	\$182.76	8.00	\$731.06	10.00	\$913.82
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	1.00	\$90.92	1.00	\$90.92
TOTALS	Totals			3.50	\$396.03	3.50	\$396.03	7.00	\$846.26	7.00	\$846.26	18.50	\$2,230.69	20.50	\$2,413.45

TABLE 8 - ESTIMATED PERSONNEL HOURS & WAGES FOR REVIEW OF PLAN SUBMITTALS FOR GAS											
Employee	Employee	Hourly Wages Effective 12/01/14	Hourly Wages Including benefits & Overhead Using Rate 2.88	PLAN REVIEW COSTS							
				SFR		SUBDIVISION SFR		MAIN EXTENSION		COMM BLDG	
				PER EACH		PER EACH		PER LF		PER EACH	
Function	Title			# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	5.00	\$756.72	2.00	\$302.69	0.07	\$10.59	15.00	\$2,270.16
Administra	Admin	\$31.57	\$90.92	1.00	\$90.92	0.50	\$45.46	0.01	\$0.91	0.50	\$45.46
TOTALS				6.00	\$847.64	2.50	\$348.15	0.08	\$11.50	15.50	\$2,315.62

TABLE 9 - ESTIMATED PERSONNEL HOURS & WAGES FOR GAS SERVICE & MAIN INSTALLATIONS															
			Hourly Wages Including Benefits & Overhead	GAS SERVICES						2" MAIN PER FOOT		ADDITIONAL FOOTAGE FOR SERVICES		INSTALL 2" PE PIPE IN CONTRACTOR'S TRENCH	
		Hourly Wages		1"		2"		RISER RELOCATION							
Employee	Employee	Effective 12/01/14		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours
Engineering	Engineering	\$52.55	\$151.34	2.00	\$302.69	2.00	\$302.69	2.00	\$302.69	0.01	\$1.51	0.00	\$0.00	0.01	\$1.51
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.01	\$0.91	0.00	\$0.00	0.01	\$0.91
Inspection I	Util Inspector	\$41.06	\$118.25	2.00	\$236.51	2.00	\$236.51	2.00	\$236.51	0.01	\$1.18	0.01	\$1.18	0.01	\$1.18
Operations	Supervisor	\$64.14	\$184.72	1.00	\$184.72	1.00	\$184.72	1.00	\$184.72	0.05	\$9.24	0.01	\$1.85	0.01	\$1.85
Sawcut	Install/Rep	\$39.18	\$112.84	1.00	\$112.84	1.00	\$112.84		\$0.00	0.20	\$22.57	0.10	\$11.28		\$0.00
Lead	Heavy Eq O.	\$37.13	\$106.93	6.00	\$641.61	7.00	\$748.54		\$0.00	0.20	\$21.39	0.00	\$0.00	0.00	\$0.00
Lead Inst	Install/Rep L	\$42.76	\$123.15	6.00	\$738.89	7.00	\$862.04	2.00	\$246.30	0.20	\$24.63	0.10	\$12.31	0.15	\$18.47
Inst/Rep	Install/Rep	\$39.18	\$112.84	6.00	\$677.03	7.00	\$789.87	2.00	\$225.68	0.20	\$22.57	0.10	\$11.28	0.15	\$16.93
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	6.00	\$574.21	7.00	\$669.92		\$0.00	0.20	\$19.14	0.10	\$9.57	0.15	\$14.36
Paving	Equip Oper	\$32.79	\$94.44	1.50	\$141.65	1.50	\$141.65		\$0.00	0.10	\$9.44	0.00	\$0.00		\$0.00
Concrete	Cement Finisher Lead	\$37.93	\$109.24	1.50	\$163.86	1.50	\$163.86		\$0.00	0.10	\$10.92	0.00	\$0.00	0.00	\$0.00
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.01	\$0.91	0.00	\$0.00	0.01	\$0.91
TOTALS				34.00	\$3,864.93	38.00	\$4,303.56	10.00	\$1,296.81	1.29	\$144.41	0.42	\$47.48	0.50	\$56.62

TABLE 10 - ESTIMATED PERSONNEL HOURS & WAGES FOR OTHER GAS INSTALLATIONS													
Employee	Employee	Hourly Wages Effective 12/01/14	Hourly Wages Including benefits & Overhead Using Rate 2.88	TAPPING MAIN FOR NEW GAS CONNECTION				TRENCHED SERVICE		BOLLARDS			
				1" OR 2" CONNECTION		4" OR 6" CONNECTION		1" OR 2" SERVICE		2" BOLLARD		4" BOLLARD	
				# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	0.10	\$15.13	0.10	\$15.13
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.00	\$0.00	0.00	\$0.00
Inspection I	Util Inspector	\$41.06	\$118.25	2.00	\$236.51	2.00	\$236.51	2.00	\$236.51		\$0.00		\$0.00
Operations	Supervisor	\$64.14	\$184.72	1.00	\$184.72	1.00	\$184.72	1.00	\$184.72	0.01	\$1.85	0.01	\$1.85
Sawcut	Install/Rep	\$39.18	\$112.84		\$0.00		\$0.00	1.00	\$112.84		\$0.00		\$0.00
Lead	Heavy Eq O.	\$37.13	\$106.93		\$0.00		\$0.00	8.00	\$855.48	0.00	\$0.00	0.00	\$0.00
Lead Inst	Install/Rep L	\$42.76	\$123.15	2.00	\$246.30	3.00	\$369.45	8.00	\$985.19	0.50	\$61.57	1.00	\$123.15
Inst/Rep	Install/Rep	\$39.18	\$112.84	2.00	\$225.68	3.00	\$338.52	8.00	\$902.71	0.50	\$56.42	1.00	\$112.84
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	2.00	\$191.40	3.00	\$287.11	8.00	\$765.62		\$0.00		\$0.00
Paving	Equip Oper	\$32.79	\$94.44		\$0.00		\$0.00	2.00	\$188.87		\$0.00		\$0.00
Concrete	Cement Finisher Lead	\$37.93	\$109.24		\$0.00		\$0.00	3.00	\$327.72	1.00	\$109.24	1.00	\$109.24
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.00	\$0.00	0.00	\$0.00
TOTALS	Totals			11.00	\$1,326.87	14.00	\$1,658.56	43.00	\$4,801.91	2.11	\$246.32	3.11	\$455.31

TABLE 11 - ESTIMATED PERSONNEL HOURS & WAGES FOR HOUSE DIAPHRAGM GAS METER INSTALLATIONS

		Hourly Wages	Hourly Wages Including Benefits & Overhead	DIAPHRAGM GAS METERS										GAS REGULATOR VENT LINE	
Employee	Employee	Effective		250		400		630		800		1000			
Function	Title	12/01/14	Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	0.50	\$75.67
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.10	\$9.09
Inspection I	Util Inspector	\$41.06	\$118.25	2.00	\$236.51	2.00	\$236.51	2.00	\$236.51	2.00	\$236.51	2.00	\$236.51	0.50	\$59.13
Inspection II	Gas Meter Supervisor	\$64.14	\$184.72	0.50	\$92.36	0.50	\$92.36	0.50	\$92.36	0.50	\$92.36	0.50	\$92.36	0.25	\$46.18
Meter Set	Gas Meter Tech	\$35.79	\$103.08	1.50	\$154.61	1.50	\$154.61	2.00	\$206.15	3.00	\$309.23	3.00	\$309.23	1.00	\$103.08
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.10	\$9.09
TOTALS				6.00	\$725.75	6.00	\$725.75	6.50	\$783.78	7.50	\$880.36	7.50	\$880.36	2.45	\$304.69

TABLE 12 - ESTIMATED PERSONNEL HOURS & WAGES FOR VAULT DIAPHRAGM GAS METER INSTALLATIONS

		Hourly Wages	Hourly Wages Including Benefits & Overhead	CURB DIAPHRAGM GAS METERS						ADDITIONAL GAS METER(S)				AMR ERTS			
Employee	Employee	Effective		250		400		630		ON NEW SERVICE		ON EXISTING SERVICE		DIAPHRAGM GAS METER ERT		ROTARY GAS METER ERT	
Function	Title	12/01/14	Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	0.50	\$75.67	1.00	\$151.34	0.10	\$15.13	0.10	\$15.13
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.10	\$4.55	0.10	\$4.55
Inspection I	Util Inspector	\$41.06	\$118.25	2.00	\$236.51	2.00	\$236.51	2.00	\$236.51	0.50	\$59.13	2.00	\$236.51		\$0.00		\$0.00
Inspection II	Gas Meter Supervisor	\$64.14	\$184.72	1.00	\$184.72	1.00	\$184.72	1.00	\$184.72	0.50	\$92.36	1.00	\$184.72	0.10	\$18.47	0.10	\$18.47
Meter Set	Gas Meter Tech	\$35.79	\$103.08	3.00	\$309.23	3.00	\$309.23	3.00	\$309.23	1.00	\$103.08	4.00	\$412.30	0.25	\$77.31	0.25	\$77.31
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46		\$0.00		\$0.00
TOTALS				8.00	\$972.72	8.00	\$972.72	8.00	\$980.72	3.50	\$421.16	9.00	\$1,084.80	0.55	\$115.46	0.55	\$116.01

TABLE 13 - ESTIMATED PERSONNEL HOURS & WAGES FOR ROTARY GAS METER INSTALLATIONS

		Hourly Wages	Hourly Wages Including Benefits & Overhead	ROTARY GAS METERS															
Employee	Employee	Effective		1500		2000		3000		5000		7000		11000		16000		23000	
Function	Title	12/01/14	Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	2.00	\$302.69	2.00	\$302.69	2.00	\$302.69
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
Inspection I	Util Inspector	\$41.06	\$118.25	2.00	\$236.51	4.00	\$473.01	4.00	\$473.01	4.00	\$473.01	4.00	\$473.01	6.00	\$709.52	6.00	\$709.52	6.00	\$709.52
Inspection II	Gas Meter Supervisor	\$64.14	\$184.72	1.00	\$184.72	2.00	\$369.45	2.00	\$369.45	2.00	\$369.45	2.00	\$369.45	4.00	\$738.89	4.00	\$738.89	4.00	\$738.89
Meter Set	Gas Meter Tech	\$35.79	\$103.08	4.00	\$412.30	6.00	\$618.45	6.00	\$618.45	6.00	\$618.45	6.00	\$618.45	24.00	\$2,473.80	24.00	\$2,473.80	24.00	\$2,473.80
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
TOTALS				9.00	\$1,075.80	14.00	\$1,703.17	14.00	\$1,717.17	14.00	\$1,703.17	14.00	\$1,703.17	37.00	\$4,352.82	37.00	\$4,315.82	37.00	\$4,315.82

TABLE 14 - ESTIMATED PERSONNEL HOURS & WAGES FOR REVIEW OF PLAN SUBMITTALS FOR WASTEWATER									
			Hourly Wages Including benefits & Overhead	PLAN REVIEW COSTS					
		Hourly Wages		SUBDIVISION SFR		MAIN EXTENSION		COMM BLDG	
Employee	Employee	Effective 12/01/14		PER EACH		PER LF		PER EACH	
Function	Title		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	0.14	\$21.19	15.00	\$2,270.16
Administra	Admin	\$31.57	\$90.92	0.10	\$9.09	0.01	\$0.91	0.50	\$45.46
TOTALS				1.10	\$160.44	0.15	\$22.10	15.50	\$2,315.62

TABLE 15 - ESTIMATED PERSONNEL HOURS & WAGES FOR SEWER LATERAL & MAIN INSTALLATIONS																							
			Hourly Wages Including Benefits & Overhead	NEW SEWER LATERALS < 6'				NEW SEWER LATERALS ≥ 6' < 10'				8" MAIN PER FOOT		SEWER CLEANOUT		PIPE BURST LATERAL		NEW MANHOLE < 6' DEEP		NEW MANHOLE ≥ 6' DEEP		DEMO EXISTING LATERAL	
		Hourly Wages		4"		6"		4"		6"													
Employee	Employee	Effective 12/01/14		Using Rate 2.88	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours
Engineering	Engineering	\$52.55	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	0.01	\$1.51	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	1.00	\$151.34	0.50	\$75.67
Administra	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.01	\$0.91	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.00	\$0.00
Inspection I	Util Inspector	\$41.06	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25	1.00	\$118.25	0.10	\$11.83	2.00	\$236.51	1.00	\$118.25	2.00	\$236.51	5.00	\$591.26	1.00	\$118.25
Operations	Supervisor	\$64.14	\$184.72	1.00	\$184.72	1.00	\$184.72	2.00	\$369.45	2.00	\$369.45	0.10	\$18.47	1.00	\$184.72	1.00	\$184.72	4.00	\$738.89	6.00	\$1,108.34	1.00	\$184.72
Sawcut	Install/Rep	\$39.18	\$112.84	1.00	\$112.84	1.00	\$112.84	1.00	\$112.84	1.00	\$112.84	0.01	\$1.13	1.00	\$112.84		\$0.00		\$0.00		\$0.00		\$0.00
Lead	Heavy Eq O.	\$37.13	\$106.93	8.00	\$855.48	9.00	\$962.41	10.00	\$1,069.34	11.00	\$1,176.28	0.20	\$21.39	2.50	\$267.34	5.50	\$588.14	12.00	\$1,283.21	14.00	\$1,497.08	4.00	\$427.74
Lead Inst	Install/Rep L	\$42.76	\$123.15	8.00	\$985.19	9.00	\$1,108.34	10.00	\$1,231.49	11.00	\$1,354.64	0.20	\$24.63	2.50	\$307.87	5.50	\$677.32	12.00	\$1,477.79	14.00	\$1,724.08	4.00	\$492.60
Inst/Rep	Install/Rep	\$39.18	\$112.84	8.00	\$902.71	9.00	\$1,015.55	10.00	\$1,128.38	11.00	\$1,241.22	0.20	\$22.57	1.00	\$112.84	5.50	\$620.61	12.00	\$1,354.06	14.00	\$1,579.74	4.00	\$451.35
Inst/Rep A.	Install/Rep A.	\$33.23	\$95.70	8.00	\$765.62	9.00	\$861.32	10.00	\$957.02	11.00	\$1,052.73	0.20	\$19.14	1.00	\$95.70	5.50	\$526.36	12.00	\$1,148.43	14.00	\$1,339.83	4.00	\$382.81
Paving	Equip Oper	\$32.79	\$94.44	3.00	\$283.31	3.00	\$283.31	3.00	\$283.31	3.00	\$283.31	0.10	\$9.44		\$0.00	3.00	\$283.31	10.00	\$944.35	10.00	\$944.35	3.00	\$283.31
Concrete	Cement Finisher Lead	\$37.93	\$109.24	3.00	\$327.72	3.00	\$327.72	3.00	\$327.72	3.00	\$327.72	0.10	\$10.92	1.00	\$109.24	0.00	\$0.00	8.00	\$873.91	8.00	\$873.91	0.00	\$0.00
Operations	Admin	\$31.57	\$90.92	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.01	\$0.91	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46	0.50	\$45.46
TOTALS				43.00	\$4,778.09	47.00	\$5,216.72	52.00	\$5,840.06	56.00	\$6,278.69	1.24	\$142.85	14.00	\$1,669.32	29.00	\$3,240.98	74.00	\$8,299.41	87.00	\$9,900.86	22.00	\$2,461.91
					\$145.04		\$159.66	average:	\$179.86	average:	\$126.73						\$93.80						

TABLE 16 - ESTIMATED PERSONNEL HOURS & WAGES FOR SERVICE CALLS AND OTHER SERVICE WORK																			
			Hourly Wages Including benefits & Overhead	SETTING ELECTRICAL METER				DISPATCH OF SERVICE PERSON TO DISCONNECTION SERVICE AT METERS FOR NON-PAYMENT				RESTORATION OF SERVICE AT METERS FOLLOWING DISCONNECTION FOR NON- PAYMENT				RESTORATION OF ELECTRIC SERVICE AT POWER POLE FOLLOWING DISCONNECTION FOR NON-PAYMENT			
		Hourly Wages		DURING BUSINESS		AFTER BUSINESS		DURING BUSINESS		AFTER BUSINESS		DURING BUSINESS		AFTER BUSINESS		DURING BUSINESS		AFTER BUSINESS	
Employee	Employee	Effective 12/01/14		HOURS		HOURS		HOURS		HOURS		HOURS		HOURS		HOURS		HOURS	
Function	Title			# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages	# hours	Wages
Operations	Overhead Underground Troubleman	\$51.04	\$147.00	NO	CHARGE	2.00 DOUBLE TIME	\$300.12	1.00	\$147.00	NOT	APPLICA BLE	1.00	\$147.00	2.00 (DOUBLE TIME)	\$300.12	2.00	\$293.99	4.00 (DOUBLE TIME)	\$504.28
TOTALS				NO	CHARGE	2.00	\$300.12	1.00	\$147.00	NOT	APPLICA BLE	1.00	\$147.00	2.00	\$300.12	2.00	\$293.99	4.00	\$504.28

Material List 1

Water

2" HDPE Water Service

	material #	avg price
2" x 8 Tapping saddle	24710	\$171.98
2" Corp stop	21003	\$268.23
30' 2" HDPE SDR 9 pipe		\$100.00
Poly-cam series 914 transition fitting	24110	\$123.08
2" angle meter stop	21014	\$230.55
2" HDPE 90	24104	\$63.72
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
Total		<hr/> \$976.41

4" HDPE Water Service

	material #	avg price
4" x 8" Tapping sleeve	24711	\$255.69
4" AVK gate valve w/ PE ends	24730	\$697.37
30' of 4" HDPE SDR 11 pipe		\$150.00
Traffic valve box	20000	\$24.27
Traffic valve box lid	20001	\$16.95
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
4" flange HDPE transition		\$25.00
Total		<hr/> \$1,188.13

6" HDPE Water Service

	material #	avg price
6" x 10" tapping sleeve	24717	\$312.33
6" AVK gate valve w/ PE ends	24731	\$918.97
30' 6" HDPE SDR 11 pipe		\$240.00
Traffic valve box	24150	\$24.27
Traffic valve box lid	28507	\$16.95
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
6" flange HDPE transition		\$50.00
Total		<hr/> \$1,581.37

8" HDPE Water Service

	material #	avg price
8" x 10" Tapping sleeve	24718	\$423.25
8" AVK gate valve w/ PE ends	24732	\$1,501.20
8" HDPE SDR 11 pipe		\$350.00
Traffic valve box lid	24150	\$24.27
Traffic valve box	28507	\$16.95
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
8" flange HDPE transition		\$50.00
Total		<hr/> \$2,384.52

Material List 2

Water

	material #	avg price
<u>2" HDPE Fire service</u>		
2" x 8 Tapping saddle	24710	\$171.98
2" Corp stop	21003	\$268.23
30' 2" HDPE pipe		\$100.00
Poly-cam series 911 transition fitting	24105	\$169.91
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
Total		<u>\$728.97</u>

	material #	avg price
<u>2" HDPE connect to larger service</u>		
2" x 8 Tapping saddle	24710	\$171.98
2" Corp stop	21003	\$268.23
5' of 2" HDPE SDR 9 pipe		\$20.00
Poly-cam series 914 transition fitting	24110	\$123.08
2" angle meter stop	21014	\$230.55
2" HDPE 90	24104	\$63.72
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
Total		<u>\$896.41</u>

	material #	avg price
<u>4" HDPE connect to larger service</u>		
4" x 8" Tapping sleeve	24711	\$255.69
4" AVK gate valve w/ PE ends	24730	\$697.37
5' of 4" HDPE SDR 11 pipe		\$25.00
Traffic valve box	20000	\$24.27
Traffic valve box lid	20001	\$16.95
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
4" flange HDPE transition		\$25.00
Total		<u>\$1,063.13</u>

	material #	avg price
<u>8" Water Main</u>		
8" main		\$12.00
Tracer wire	24150	\$10.00
8" AVK gate valve w/ PE ends	24732	\$8.60
Total		<u>\$30.60</u>

Material List 3

Water

2" Water Tap

2" x 8 Tapping saddle	24710	\$171.98
2" Corp stop	21003	<u>\$268.23</u>
Total		\$440.21

4" Water Tap

4" x 8" Tapping sleeve	24711	\$255.69
4" AVK gate valve w/ PE ends	24730	<u>\$697.37</u>
Total		\$953.06

6" Water Tap

6" x 10" tapping sleeve	24717	\$312.33
6" AVK gate valve w/ PE ends	24731	<u>\$918.97</u>
Total		\$1,231.30

8"Water Tap

8" x 10" Tapping sleeve	24718	\$423.25
8" AVK gate valve w/ PE ends	24732	<u>\$1,501.20</u>
Total		\$1,924.45

	material #	avg price
<u>Fire hydrant</u>		
6" x 10" tapping sleeve	24717	\$312.33
6" AVK gate valve w/ PE ends	24731	\$918.97
30' 6" HDPE SDR 11 pipe		\$240.00
Traffic valve box	24150	\$24.27
Traffic valve box lid	28507	\$16.95
Tracer wire	24150	\$10.00
marker ball	28507	\$8.85
6" flange HDPE transition		\$50.00
Hydrant bury	27200	\$164.73
AVK Fow-Guard II Breakaway		\$2,482.00
Hydrant	27302	<u>\$1,487.13</u>
Total		\$5,715.23

Material List 4

Water

5/8" Meter Water

	material #	avg price
5/8" meter		\$146.50
1017 meter box and lid		\$48.31
2"FL x 2" FIP transition		\$95.00
3/4" x 2" bushing		\$12.00
Total		<u>\$301.81</u>

1" Meter Water

	material #	avg price
1" meter		\$190.50
1120 meter box and lid		\$160.50
2"FL x 2" FIP transition		\$95.00
1" x 2" bushing		\$20.00
Total		<u>\$466.00</u>

1-1/2" Meter Water

	material #	avg price
1-1/2" meter		\$443.00
1324 meter box and lid		\$60.00
1-1/2" x 2" flange		\$95.00
Total		<u>\$598.00</u>

2" Meter Water

	material #	avg price
2" meter		\$592.00
1730 meter box and lid		\$197.00
Total		<u>\$789.00</u>

4" Meter Water

	material #	avg price
4" meter	28014	\$2,752.00
4" strainer	28026	\$682.76
4" x 30" spool		\$75.00
Total		<u>\$3,509.76</u>

6" Meter Water

	material #	avg price
6" meter	28016	\$4,468.00
6" strainer	28026	\$1,070.00
6" x 30" spool		\$100.00
Total		<u>\$5,638.00</u>

Install 1" x 3/4" U branch

U branch 1"x3/4", 6-1/2"	21110			\$30.75
3/4" corp stop	21005	2	26.62	\$53.24
2"FL x 2" FIP transition				\$95.00
1" x 2" bushing				\$20.00
				<u>\$198.99</u>

Material List 5

Gas

1" PE Service

	material #			avg price
Tape Elect BLK 3/4" x 66' #37	38525			\$3.44
Pipe PE 1" CTS 500' Coil	40701	70		\$21.00
Plug BLK 3/4	41600			\$36.40
Valve Meter BLK 3/4" Insulated	42998			\$45.90
Riser Meter prebent 1-1/4"	43050			\$15.74
1" coupling	45421			\$11.50
Tee Steel Saddle 2 IPS x 1 CTS	45533			\$119.62
Wire CU #10 sol HMW-PE 45 mil	45700	70	0.25	\$17.50
Total				\$271.10

2" PE Service

	material #	# units	avg price	avg price
Tape Elect BLK 3/4" x 66' #37	38525			\$3.44
Pipe PE 2" IPSW 500' Coil	40702	70		\$68.00
Nipple BLK 2 x CL	41450	2	1.18	\$2.36
Plug BLK 2	41604			\$1.62
Tee BLK 2	41804			\$6.87
Valve Meter BLK 2" Insulated	43005			\$199.68
Riser Meter Prebent 2"x2" IPS	43057			\$96.52
Tee Service 2" Weld Inlet	43108			\$54.04
Valve PE Ball 2" IPS	45562			\$222.53
Valve Box 2" x 28-42" w/CI Lid	45570			\$59.02
Vavle Support for 2" PE Valve	45575			\$6.87
Wire CU #10 sol HMW-PE 45 mil	45700	70	0.25	\$17.50
Total				\$738.45

Relocate 1" PE Service

Tape Elect BLK 3/4" x 66' #37	38525			\$1.00
Pipe PE 1" CTS 500' Coil	40701	10		\$3.00
Plug BLK 3/4	41600			\$36.40
Valve Meter BLK 3/4" Insulated	42998			\$45.90
Riser Meter prebent 1-1/4"	43050			\$15.74
1" coupling	45421	2		\$23.00
Total				\$125.04

2" PE main

Pipe PE 2" IPSW 500' Coil	40701			\$1.00
Wire CU #10 sol HMW-PE 45 mil	45700			\$0.25
Tape Elect BLK 3/4" x 66' #37	38525			\$1.00
Valve PE Ball 2" IPS	45562			\$1.00
Total				\$3.25

Material List 5

Gas

	material #	# units	avg price	avg price
<u>Additional diaphragm gas meter on service</u>				
Nut Galv Swivel Sprague 1A	44207			\$1.24
Manifold per meter	44601			\$106.57
		Total		<u>\$107.81</u>

2" Bollard

2" steel pipe	41516			\$12.00
Cement Allcrete 5 Min. Set	60025			\$81.00
		Total		<u>\$93.00</u>

4" Bollard

4" steel pipe	41519			\$48.00
Cement Allcrete 5 Min. Set	60025			\$81.00
		Total		<u>\$129.00</u>

AMR ERT DIAPHRAGM GAS METER	44502			\$39.38
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AMR ERT ROTARY GAS METER	44500			\$92.15
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250 meter

Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 3/4	41600			\$0.69
Tee BLK 3/4	41800			\$1.05
Meter Gas House Class 250	44101			\$93.39
Nut Galv Swivel Sprague 1A	44207			\$1.24
Bend BLK Meter, Double, 4" x 6"	44220			\$4.59
Regulator Gas 3/4" Class 1	44300			\$22.19
		Total		<u>\$123.99</u>

400 meter

Elbow BLK Reducing 1-1/2 x 3/4	41350			\$3.66
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 1-1/2	41603			\$1.23
Swivel Galv 1-1/2" Female	44203			\$5.91
Meter Gas House Class 400	44103			\$193.03
Nut Galv Swivel Sprague #4	44209			\$3.49
Bend BLK Meter, Double, 7" x 4, 2" rad	44220			\$4.59
Regulator Gas 3/4" Class 1	44300			\$22.19
		Total		<u>\$234.94</u>

630 meter

Elbow BLK Reducing 1-1/2 x 3/4	41350			\$3.66
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 1-1/2	41603			\$1.23
Swivel Galv 1-1/2" Female	44203			\$5.91
Meter Gas House Class 630	44118			\$503.71
Nut Galv Swivel Sprague #4	44209			\$3.49
Bend BLK Meter, Double, 7" x 4, 2" rad	44220			\$4.59
Regulator Gas 3/4" Class 1	44300			\$22.19
		Total		<u>\$545.62</u>

Material List 6

Gas

250 curb meter

	material #	# units	avg price	avg price
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 3/4	41600			\$0.69
Tee BLK 3/4	41800			\$1.05
Meter Gas curb Class 250	44110			\$323.65
Nut Galv Swivel Sprague 1A	44207			\$1.24
Bend BLK Meter, Double, 4" x 6"	44220			\$4.59
Regulator Gas 3/4" Curb	44298			\$500.68
		Total		<u>\$832.74</u>

400 curb meter

Elbow BLK Reducing 1-1/2 x 3/4	41350			\$3.66
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 1-1/2	41603			\$1.23
Swivel Galv 1-1/2" Female	44203			\$5.91
Meter Gas curb Class 400	44100			\$530.27
Nut Galv Swivel Sprague #4	44209			\$3.49
Bend BLK Meter, Double, 7" x 4, 2" rad	44220			\$4.59
Regulator Gas 3/4" Curb	44298			\$500.68
		Total		<u>\$1,050.67</u>

630 curb meter

Elbow BLK Reducing 1-1/2 x 3/4	41350			\$3.66
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 1-1/2	41603			\$1.23
Swivel Galv 1-1/2" Female	44203			\$5.91
Meter Gas House Class 750	44104			\$783.92
Nut Galv Swivel Sprague #4	44209			\$3.49
Bend BLK Meter, Double, 7" x 4, 2" rad	44220			\$4.59
Regulator Gas 3/4" Class 1	44298			\$500.68
		Total		<u>\$1,304.32</u>

800 meter

Elbow BLK Reducing 1-1/2 x 3/4	41350			\$3.66
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 1-1/2	41603			\$1.23
Swivel Galv 1-1/2" Female	44203			\$5.91
Meter Gas House 800	44104			\$681.00
Nut Galv Swivel Sprague #4	44209			\$3.49
Bend BLK Meter, Double, 7" x 4, 2" rad	44220			\$4.59
Regulator Gas 1-1/2" body	44303			\$199.78
		Total		<u>\$900.50</u>

1000 meter

Elbow BLK Reducing 1-1/2 x 3/4	41350			\$3.66
Nipple BLK 3/4 x 3-1/2	41404			\$0.84
Plug BLK 1-1/2	41603			\$1.23
Swivel Galv 1-1/2" Female	44203			\$5.91
Meter Gas House 1000				\$786.64
Nut Galv Swivel Sprague #4	44209			\$3.49
Bend BLK Meter, Double, 7" x 4, 2" rad	44220			\$4.59
Regulator Gas 1-1/2" body	44303			\$199.78
		Total		<u>\$1,006.14</u>

Material List 7

Gas

	material #	# units	avg price	avg price
<u>1500 rotary meter</u>	44125			\$959.78
Elbow, BLK Street Red 1-1/2x1-1/4"	41361			\$6.69
Nipple BLK 1-1/4" x 3-1/2	41434			\$2.57
Nipple BLK 1-1/2" x 2	41441			\$1.19
Nipple BLK 1-1/2" x 4-1/2	41446			\$2.20
Cap Screw Hex 5/8" x 1-1/2"	43312			\$0.43
Flange Reducing, 2"x1-1/2" FF	43320			\$61.07
Gasket, 2"x1/16" Full Face	43350			\$3.47
Filter Gas, 1-1/4" NPT	44315			\$142.87
Regulator Gas 1-1/2", 1/2" orf	44324			\$231.21
		Total		<u>\$1,411.48</u>

<u>2000 rotary meter</u>	44126			\$1,153.59
Cap BLK 2	41104			\$2.31
Elbow, BLK Street 2" M/F	41365			\$5.03
Nipple BLK 2 x 3-1/2	41453			\$2.66
Nipple BLK 2 x 4-1/2	41455			\$4.66
Nipple BLK 2"x3" Thrd 1 end	41490			\$1.50
Tee Stl 2" Weld-end	41811			\$21.28
Cap Screw Hex 5/8" x 1-1/2"	43312			\$0.43
Flange Reducing, 2"x1-1/2" FF	43320			\$61.07
Flange 2" Lap Joint	43325			\$8.37
Flange, 2" Stud End	43340			\$34.78
Gasket, 2"x1/16" Full Face	43350			\$3.47
Gasket, 2" 1/16" Ring	43355			\$3.06
Filter Gas, 2" NPT	44317			\$175.45
Regulator Gas 2" Screwed	44330			\$235.92
		Total		<u>\$1,713.58</u>

<u>3000 rotary meter</u>	44127			\$1,153.59
Cap BLK 2	41104			\$2.31
Elbow, BLK Street 2" M/F	41365			\$5.03
Nipple BLK 2 x 3-1/2	41453			\$2.66
Nipple BLK 2 x 4-1/2	41455			\$4.66
Nipple BLK 2"x3" Thrd 1 end	41490			\$1.50
Tee Stl 2" Weld-end	41811			\$21.28
Cap Screw Hex 5/8" x 1-1/2"	43312			\$0.43
Flange Reducing, 2"x1-1/2" FF	43320			\$61.07
Flange 2" Lap Joint	43325			\$8.37
Flange, 2" Stud End	43340			\$34.78
Gasket, 2"x1/16" Full Face	43350			\$3.47
Gasket, 2" 1/16" Ring	43355			\$3.06
Filter Gas, 2" NPT	44317			\$175.45
Regulator Gas 2" Screwed	44330			\$235.92
		Total		<u>\$1,713.58</u>

<u>5000 rotary meter</u>	44128			\$1,573.41
Cap BLK 2	41104			\$2.31
Elbow, BLK Street 2" M/F	41365			\$5.03
Nipple BLK 2 x 3-1/2	41453			\$2.66
Nipple BLK 2 x 4-1/2	41455			\$4.66
Nipple BLK 2"x3" Thrd 1 end	41490			\$1.50
Tee Stl 2" Weld-end	41811			\$21.28
Cap Screw Hex 5/8" x 1-1/2"	43312			\$0.43
Flange Reducing, 2"x1-1/2" FF	43320			\$61.07
Flange 2" Lap Joint	43325			\$8.37
Flange, 2" Stud End	43340			\$34.78
Gasket, 2"x1/16" Full Face	43350			\$3.47
Gasket, 2" 1/16" Ring	43355			\$3.06
Filter Gas, 2" NPT	44317			\$175.45
Regulator Gas 2" Screwed	44330			\$235.92
		Total		<u>\$2,133.40</u>

Material List 8

Gas

	material #	# units	avg price	avg price
<u>7000 rotary meter</u>				
Cap BLK 2	44129			\$2,154.35
Elbow, BLK Street 2" M/F	41104			\$2.31
Nipple BLK 2 x 3-1/2	41365			\$5.03
Nipple BLK 2 x 4-1/2	41453			\$2.66
Nipple BLK 2"x3" Thrd 1 end	41455			\$4.66
Tee Stl 2" Weld-end	41490			\$1.50
Cap Screw Hex 5/8" x 1-1/2"	41811			\$21.28
Flange Reducing, 2"x1-1/2" FF	43312			\$0.43
Flange 2" Lap Joint	43320			\$61.07
Flange, 2" Stud End	43325			\$8.37
Gasket, 2"x1/16" Full Face	43340			\$34.78
Gasket, 2" 1/16" Ring	43350			\$3.47
Filter Gas, 2" NPT	43355			\$3.06
Regulator Gas 2" Screwed	44317			\$175.45
	44330			\$235.92
	Total			\$2,714.34
<u>11,0000 rotary meter</u>				
Cap BLK 2	41104			\$2.31
Elbow, BLK Street 2" M/F	41365			\$5.03
Nipple BLK 2 x 3-1/2	41453			\$2.66
Nipple BLK 2 x 4-1/2	41455			\$4.66
Nipple BLK 2"x3" Thrd 1 end	41490			\$1.50
Pipe Steel 2" Plain end	41516			\$20.00
Pipe Steel 3" Plain end	41518			\$30.00
Tee Stl 2" Weld-end	41811			\$21.28
Tee Stl 3x3x2 Weld-end	41812			\$21.38
Cap Screw Hex 5/8" x 1-3/4"	43313			\$0.43
Flange Reducing, 3"x 2" Slip on	43322			\$37.92
Flange 2" Lap Joint	43325			\$8.37
Flange, 3" Lap Joint	43326			\$9.97
Flange, 2" Weld neck Flat face	43330			\$14.64
Flange, 3" Weld neck flat face	43331			\$22.45
Flange, 2" Stud end	43340			\$34.78
Flange, 3" Stud end	43341			\$31.14
Gasket, 3"x1/16" Full Face	43351			\$2.70
Gasket, 2" 1/16" Ring	43355			\$3.06
Meter Gas Rotary, 11000 SCFH	44130			\$2,557.65
Regulator Gas 2 ea	44332			\$4,045.02
Filter Gas, 2" NPT	44317			\$175.45
	Total			\$7,062.40
<u>16,0000 rotary meter</u>				
Cap BLK 2	41104			\$2.31
Elbow, BLK Street 2" M/F	41365			\$5.03
Nipple BLK 2 x 3-1/2	41453			\$2.66
Nipple BLK 2 x 4-1/2	41455			\$4.66
Nipple BLK 2"x3" Thrd 1 end	41490			\$1.50
Pipe Steel 2" Plain end	41516			\$20.00
Pipe Steel 3" Plain end	41518			\$30.00
Tee Stl 2" Weld-end	41811			\$21.28
Tee Stl 3x3x2 Weld-end	41812			\$21.38
Cap Screw Hex 5/8" x 1-3/4"	43313			\$0.43
Flange Reducing, 3"x 2" Slip on	43322			\$37.92
Flange 2" Lap Joint	43325			\$8.37
Flange, 3" Lap Joint	43326			\$9.97
Flange, 2" Weld neck Flat face	43330			\$14.64
Flange, 3" Weld neck flat face	43331			\$22.45
Flange, 2" Stud end	43340			\$34.78
Flange, 3" Stud end	43341			\$31.14
Gasket, 3"x1/16" Full Face	43351			\$2.70
Gasket, 2" 1/16" Ring	43355			\$3.06
Meter Gas Rotary, 16000 SCFH	44152			\$3,661.50
Regulator Gas	44332			\$4,045.02
Filter Gas, 2" NPT	44317			\$175.45
	Total			\$8,156.25
<u>23,000 rotary meter</u>				
Cap BLK 2	41104			\$2.31
Elbow, BLK Street 2" M/F	41365			\$5.03
Nipple BLK 2 x 3-1/2	41453			\$2.66
Nipple BLK 2 x 4-1/2	41455			\$4.66
Nipple BLK 2"x3" Thrd 1 end	41490			\$1.50
Pipe Steel 2" Plain end	41516			\$20.00
Pipe Steel 3" Plain end	41518			\$30.00
Tee Stl 2" Weld-end	41811			\$21.28
Tee Stl 3x3x2 Weld-end	41812			\$21.38
Cap Screw Hex 5/8" x 1-3/4"	43313			\$0.43
Flange Reducing, 3"x 2" Slip on	43322			\$37.92
Flange 2" Lap Joint	43325			\$8.37
Flange, 3" Lap Joint	43326			\$9.97
Flange, 2" Weld neck Flat face	43330			\$14.64
Flange, 3" Weld neck flat face	43331			\$22.45
Flange, 2" Stud end	43340			\$34.78
Flange, 3" Stud end	43341			\$31.14
Gasket, 3"x1/16" Full Face	43351			\$2.70
Gasket, 2" 1/16" Ring	43355			\$3.06
Meter Gas Rotary, 23000 SCFH	44159			\$5,949.79
Regulator Gas	44332			\$4,045.02
Filter Gas, 2" NPT	44317			\$175.45
	Total			\$10,444.54

Sewer**Material List 9****4" lateral**

	material #	# units	avg price	avg price
Box Sewer Cleanout Concrete	60000			\$14.04
Lid Sewer Cleanout Marked Sewer	60001			\$12.76
Band HDPE 1/16 4"	60002			\$18.00
WYE	60003			\$40.00
Bend 1/8 4"	60004			\$18.00
Adapter Female 4" Cleanout	60009			\$5.00
Cement Allcrete 5 Min. Set	60025			\$40.67
Pipe SDR-17 butt fuse pipe	64214	40	3.96	\$158.40
Saddle 8"X4" EF DR17	62500			\$310.00
		Total		<u>\$616.87</u>

6" lateral

Box Sewer Cleanout Concrete	60000			\$14.04
Lid Sewer Cleanout Marked Sewer	60001			\$12.76
WYE	60005			\$50.00
Bend 1/8 6"	60007			\$20.00
Adapter Female 4" Cleanout	60009			\$5.00
Cement Allcrete 5 Min. Set	60025			\$40.67
Pipe SDR-17 butt fuse pipe	64215	40	5.96	\$238.40
Saddle 8"X6" EF DR17	62501			\$320.00
		Total		<u>\$700.87</u>

Sewer manhole < 6' deep

manhole frame/cover	63002			\$500.00
Lid Sewer manhole with tree	63010			\$136.76
Cement Allcrete 5 Min. Set	60025			\$40.67
48" base				\$200.00
5' - 48" manhole - rubber joint				\$350.00
48" to 24" MH reducer				\$200.00
Cement Allcrete 5 Min. Set	60025			\$40.67
		Total		<u>\$1,468.10</u>

Sewer manhole > 6' deep

manhole frame/cover	63002			\$500.00
Lid Sewer manhole with tree	63010			\$136.76
Cement Allcrete 5 Min. Set	60025			\$40.67
60" base				\$300.00
7' - 60" manhole - rubber joint				\$1,000.00
60" to 24" MH reducer				\$400.00
Cement Allcrete 5 Min. Set	60025			\$40.67
		Total		<u>\$2,418.10</u>

8" SS main per foot

\$11.00

Cleanout

Box Sewer Cleanout Concrete	60000			\$14.04
Lid Sewer Cleanout Marked Sewer	60001			\$12.76
Band HDPE 1/16 4"	60002			\$18.00
WYE	60003			\$40.00
Bend 1/8 4"	60004			\$18.00
Adapter Female 4" Cleanout	60009			\$5.00
Cement Allcrete 5 Min. Set	60025			\$40.67
		Total		<u>\$148.47</u>

TRENCHING & BACKFILLING COSTS

Utility	SERVICE		TRENCH DIMENSIONS				TRENCH, BACKFILL & RESTORATION												
	L Service Length Ft	A Pipe Size, In.	B trench width In.	C pave width In.	D pipe depth In.	E sand depth In.	AC, In		PCC, In		Curb & Gutter		Sidewalk, ft		SAND		SAW-CUT		Totals
							4		6				5						
							Qty. Tons	Unit Price \$108.90	Qty CY	Unit Price \$139.00	Qty. CY	Unit Price \$139.00	Qty. CY	Unit Price \$139.00	Qty. CY	Unit Price \$20.24	Qty LF	Unit Price \$4.00	
Gas service Boring	4	1	36	48	30	27	0.40	\$43.67	0.10	\$13.56		\$0.00		\$0.00	1.00	\$20.24	16	\$64.00	\$141.47
	4	2	36	48	30	28	0.40	\$43.67	0.10	\$13.56		\$0.00		\$0.00	1.04	\$20.99	16	\$64.00	\$142.22
Gas service trench	40	1&2	12	24	30	24	2.01	\$218.35	0.49	\$67.80	0.2	\$27.80	0.3	\$41.70	2.96	\$59.97	68	\$272.00	\$687.62
Gas main trench	1	2	12	24	30	24	0.05	\$5.46	0.01	\$1.70		\$0.00		\$0.00	0.07	\$1.50	2	\$8.00	\$16.65
Water Bore	4	2	36	48	30	28	0.40	\$43.67	0.10	\$13.56	0.2	\$27.80	0.3	\$41.70	1.04	\$20.99	16	\$64.00	\$211.72
Water Service Trench	30	4	18	30	36	36	1.88	\$204.70	0.46	\$63.57	0.2	\$27.80	0.3	\$41.70	5.00	\$101.20	68	\$272.00	\$710.97
	30	6	24	36	36	38	2.26	\$245.64	0.55	\$76.28	0.2	\$27.80	0.3	\$41.70	7.04	\$142.43	68	\$272.00	\$805.85
	30	8	24	36	36	40	2.26	\$245.64	0.55	\$76.28	0.2	\$27.80	0.3	\$41.70	7.41	\$149.93	68	\$272.00	\$813.35
Water Main	1	8	24	36	36	40	0.08	\$8.19	0.02	\$2.54		\$0.00		\$0.00	0.25	\$5.00	2	\$8.00	\$23.73
Sewer Lateral Trench < 6'	30	4	24	36	60	60	2.26	\$245.64	0.55	\$76.28	0.2	\$27.80	0.3	\$41.70	11.11	\$224.89	58	\$232.00	\$848.31
	30	6	24	36	60	62	2.26	\$245.64	0.55	\$76.28	0.2	\$27.80	0.3	\$41.70	11.48	\$232.39	58	\$232.00	\$855.80
Sewer Lateral Trench ≥ 6'	30	4	36	48	80	86	3.01	\$327.52	0.73	\$101.71	0.2	\$27.80	0.3	\$41.70	23.89	\$483.51	58	\$232.00	\$1,214.24
	30	6	36	48	80	86	3.01	\$327.52	0.73	\$101.71	0.2	\$27.80	0.3	\$41.70	23.89	\$483.51	58	\$232.00	\$1,214.24
Sewer Lateral PB	4	4	36	48	30	28	0.40	\$43.67	0.10	\$13.56	0.2	\$27.80	0.3	\$41.70	1.04	\$20.99	16	\$64.00	\$211.72
Sewer Manhole < 6'	9		96	108	60	60	2.03	\$221.08	0.49	\$68.65		\$0.00		\$0.00	13.33	\$269.87	32	\$128.00	\$687.59
Sewer Manhole > 6'	10		108	120	84	84	2.51	\$272.93	0.61	\$84.76		\$0.00		\$0.00	23.33	\$472.27	36	\$144.00	\$973.96
Sewer Main	1	8	36	48	60	66	0.10	\$10.92	0.02	\$3.39		\$0.00		\$0.00	0.61	\$12.37	2	\$8.00	\$34.68

DISPOSAL CHARGES

Utility	SERVICE		TRENCH DIMENSIONS				OPEN TRENCH REMOVED MATERIALS WITHOUT CONTAMINATION										
	L Service Length Ft	A Pipe Size, In.	B trench width In.	C pave width In.	D pipe depth In.	E dirt depth In.	AC, In		PCC, In		Curb & Gutter		Sidewalk, ft		DIRT		Totals
							4		6				5				
							Qty. CY	Unit Price \$67.65	Qty CY	Unit Price \$67.65	Qty. CY	Unit Price \$67.65	Qty. CY	Unit Price \$67.65	Qty. CY	Unit Price \$11.28	
Gas service Boring	4	1	36	48	30	27	0.40	\$27.13	0.10	\$6.60		\$0.00	0.3	\$20.30	1.00	\$11.28	\$65.30
	4	2	36	48	30	28	0.40	\$27.13	0.10	\$6.60		\$0.00	0.3	\$20.30	1.04	\$11.70	\$65.72
Gas service trench	40	1&2	12	24	30	24	2.01	\$135.64	0.49	\$33.00	0.2	\$13.53		\$0.00	2.96	\$33.42	\$215.59
Gas main trench	1	8	24	36	36	40	0.08	\$5.09	0.02	\$1.24		\$0.00		\$0.00	0.25	\$2.79	\$9.11
Water Service Bore	4	2	36	48	30	28	0.40	\$27.13	0.10	\$6.60	0.2	\$13.53	0.3	\$20.30	1.04	\$11.70	\$79.25
Water Service Trench	30	4	18	30	36	36	1.88	\$127.16	0.46	\$30.94	0.2	\$13.53	0.3	\$20.30	5.00	\$56.40	\$248.32
	30	6	24	36	36	38	2.26	\$152.59	0.55	\$37.13	0.2	\$13.53	0.3	\$20.30	7.04	\$79.38	\$302.92
	30	8	24	36	36	40	2.26	\$152.59	0.55	\$37.13	0.2	\$13.53	0.3	\$20.30	7.41	\$83.56	\$307.10
Water Main	1	8	24	36	36	40	0.08	\$5.09	0.02	\$1.24		\$0.00		\$0.00	0.25	\$2.79	\$9.11
Sewer Lateral Trench < 6'	30	4	24	36	60	60	2.26	\$152.59	0.55	\$37.13	0.16	\$10.82	0.3	\$20.30	11.11	\$125.33	\$346.17
	30	6	24	36	60	62	2.26	\$152.59	0.55	\$37.13	0.17	\$11.50	0.3	\$20.30	11.48	\$129.51	\$351.03
Sewer Lateral Trench ≥ 6'	30	4	36	48	80	86	3.01	\$203.46	0.73	\$49.50	0.16	\$10.82	0.3	\$20.30	23.89	\$269.47	\$553.54
	30	6	36	48	80	86	3.01	\$203.46	0.73	\$49.50	0.17	\$11.50	0.3	\$20.30	23.89	\$269.47	\$554.22
Sewer Manhole < 6'	9		96	108	60	60	2.03	\$137.33		\$0.00		\$0.00		\$0.00	13.33	\$150.40	\$287.73
Sewer Manhole > 6'	10		108	120	84	84	2.51	\$169.55		\$0.00		\$0.00		\$0.00	23.33	\$263.20	\$432.75
Sewer Lateral PB	4	4	36	48	30	28	0.40	\$27.13	0.10	\$6.60	0.2	\$13.53	0.3	\$20.30	1.04	\$11.70	\$79.25
Sewer Main	1	8	36	48	60	66	0.10	\$6.78	0.02	\$1.65		\$0.00		\$0.00	0.61	\$6.89	\$15.33

WGW Cost Multiplier based on FY 2015 Budget (E&O and Admin)

GL	Description	Water	Gas	WWC	Total WGW
30010	REGULAR SALARIES	2,471,049	2,733,089	1,793,701	6,997,839
30030	TEMPORARY SALARIES	71,710	78,068	35,997	185,775
30040	OVERTIME SALARIES	320,191	238,922	164,360	723,474
30050	NIGHT SHIFT PREMIUM	8,876	9,683	6,729	25,288
30110	FLSA CHARGES	643	701	487	1,831
30120	PREMIUM PAY	-	-	-	-
30130	MGMT EXCESS & PROF	17,520	19,350	12,330	49,200
30140	DISABILITY/WRKR COMP	179,813	78,488	69,080	327,381
30170	PAID LEAVE	558,588	617,212	404,081	1,579,881
30240	LONG TERM DISABILITY	8,865	12,902	5,848	27,615
30260	MEDICARE EMPLR CONTR	43,534	48,142	31,357	123,034
30290	PERS ALT MED REIMB	19,494	15,370	9,440	44,305
30370	RETIRE PREM PD BY C	201,650	451,282	117,161	770,093
30460	EMPL COMMUTE PROG	-	-	-	-
30470	MEDICAL STIPEND	10,014	3,394	9,278	22,686
30480	ER PENSION EXP SEIU	571,937	637,480	423,667	1,633,084
30481	ER PENSION EXP MGMT	8,822	8,822	7,492	25,136
30485	ER PENSION EXP UTLM	202,527	220,077	137,383	559,987
30500	ER MEDICAL SEIU	384,059	502,664	347,293	1,234,015
30501	ER MEDICAL MGMT	4,856	4,856	3,994	13,707
30505	ER MEDICAL UTLM	113,209	117,342	83,620	314,171
30510	ER DENTAL SEIU	53,331	63,956	43,407	160,695
30511	ER DENTAL MGMT	427	427	341	1,194
30515	ER DENTAL UTLM	13,243	13,914	8,124	35,281
30520	ER VISION SEIU	3,694	4,429	3,006	11,129
30521	ER VISION MGMT	30	30	24	83
30525	ER VISION UTLM	917	963	563	2,443
30990	BENEFITS ALLOCATION	16,113	33,628	16,814	66,555
39010	COST PLAN CHARGES	793,617	621,460	577,766	1,992,843
39020	MAIL SVC/ASD USE OLY	20,297	13,991	-	34,288
39040	PRNT SVC/ASD USE OLY	11,910	9,311	5,258	26,479
39080	VEHICLE EQPT MAINT S	158,452	182,223	211,336	552,012
39090	COMMUNICATIONS	73,116	186,105	83,788	343,008
39100	UTILITIES ADMINISTRA	1,336,930	1,483,976	1,014,506	3,835,412
39120	ENVIRONMENTAL DISPOS	-	6,206	-	6,206
39130	ENVIRONMENTAL ADMIN	-	7,433	-	7,433
39160	LIABILITY INSURANCE	16,052	18,983	14,040	49,076
39200	GF SVC PROV TO ENT F	3,692	55,061	4,429	63,182
39220	ENG&INSPC-PW SVC	5,841	6,112	11,679	23,632
39260	SURVEYING - PW SVC	7,788	-	-	7,788
39270	GROUND MAINT-PW SRV	3,977	3,380	-	7,358
39390	STREET CUT FEES-INTE	42,834	54,330	93,433	190,596
39500	UTIL SVC PROV/OTHER	34,267	-	-	34,267
39600	WATER SALES TO CITY	40,697	261	-	40,958
39610	ELECT SALES TO CITY	115,902	142	544	116,587
39630	REFUSE SALES TO CITY	-	-	9,958	9,958
39670	STORM DRAIN SALES TO	163	36	-	199
39700	LANDFILL CHRG TO CIT	231	8,369	2,376	10,976
39770	VEH REPLACEMNT ALLOC	163,216	191,220	144,064	498,500
	Total Expense (30000-30990 & 39000-39990)	8,114,097	8,763,789	5,908,754	22,786,641
	Engineering & Operations FTE	35.56	40.91	26.32	102.79
	Salaries (30000-30040)	2,862,951	3,050,079	1,994,058	7,907,088
	Total S&B & Allocated Chgs	8,114,097	8,763,789	5,908,754	22,786,641
	Cost Multiplier	2.83	2.87	2.96	2.88

ATTACHMENT J

ATTACHMENT K

COMPARISON OF BAY AREA UTILITY INSTALLATION FEES

Installation Type	Palo Alto		EBAY MUD	Alameda County Water district	Hayward	Napa	Redwood City
	current	Proposed					
WATER							
2" water service	\$5,681.00	\$4,863.00	\$7,301.00		\$4,050.00		\$4,100.00
4" water service	\$8,381.00	\$7,156.00					\$4,725.00
6" fire service	\$9,379.00	\$8,137.00					\$5,210.00
8" fire service	n/a	\$9,469.00					\$5,550.00
new hydrant and lateral	\$9,785.00	\$12,840.00	\$13,796.00			\$14,460.00	
Eng & inspection for 2" svc	n/a	\$1,618.00					
Eng & inspection for hydrant & lat	n/a	\$2,426.00	\$3,012.00				
demo 1" to 2" svc	\$952.00	\$2,653.00	\$1,463.00			\$3,420.00	
demo 3" to 12" svc	\$1,383.00	\$3,715.00	\$3,748.00				
5/8" water meter	\$222.00	\$698.00		\$600.00		\$330.00	\$150.00
1" water meter	\$276.00	\$862.00		\$800.00		\$440.00	\$200.00
1-1/2" water meter	\$492.00	\$1,444.00		\$1,000.00		\$730.00	\$350.00
2" water meter	\$601.00	\$1,635.00		\$1,200.00	\$660.00	\$2,400.00	\$450.00
4" water meter	\$2,429.00	\$5,740.00				\$4,760.00	\$1,400.00
GAS (no comparisons available)							
1" gas service	\$2,766.00	\$4,343.00					
2" gas service	\$4,156.00	\$5,250.00					
400CFH meter	\$468.00	\$961.00					
630 CFH meter	\$697.00	\$1,329.00					
WASTEWATER (most don't own lateral)							
4" sewer latera	\$5,876.00	\$6,589.00					
6" sewer lateral	\$6,388.00	\$7,124.00					
Eng & inspection for new lateral	n/a	\$2,157.00	\$4,050.00				

MEMORANDUM

TO: UTILITIES ADVISORY COMMISSION

FROM: UTILITIES DEPARTMENT

DATE: December 10, 2014

SUBJECT: Staff Recommendation that the Utilities Advisory Commission Recommend that Council Adopt a Resolution Amending Water, Gas and Wastewater Connection and Capacity Fees and Miscellaneous Utility Charges (Utility Rate Schedules G-5, W-5, S-5 and C-1)

4

REQUEST

Staff requests that the Utilities Advisory Commission recommend that the City Council:

1. Adopt a resolution amending the following Utility Rate Schedules: W-5 (Water Service Connection Fees), G-5 (Gas Service Connection Fees), S-5 (Wastewater Service Connection Fees), and C-1 (Utility Miscellaneous Charges), effective April 1st, 2015.

BACKGROUND

The Utilities Department provides service connections to meet customers' needs for new gas, water, wastewater and electric services. Service connection fees and service call fees are designed to recover costs that the Utilities Department incurs to provide installation, connection, inspection and engineering of new service connections, including labor, equipment and other associated charges. Service connection fees also cover all charges related to the installation, relocation or abandonment of gas, water and wastewater services, which include Utility plan review charges, meter and hydrant installations and other service installation and inspection costs.

The proposed changes also add some new meter sizes to the existing capacity fee options for water and wastewater service. No increases are proposed to any existing capacity fees.

The method used for recovering the costs is either: a single fee based on average conditions or an estimated cost based on unusual field conditions. Most service connection costs are recovered through the single fee methodology, with the single fees presented in the attached rate schedules W-5, G-5, S-5 and C-1. Unusual field conditions and the associated costs are determined by the Utilities Engineering Manager. The connection fees typically are a sum of the costs of labor, materials, equipment, overhead, street paving, meter costs (where applicable), and landfill dump charges.

The last time a cost-of-service study of connection fees, excluding capacity fees, was performed by staff was in 2008. The water and wastewater capacity fees study was performed by Black

and Veatch that same year. Both the connection fees and capacity fees increases were approved by Council in 2008 following the studies, with the phase-in of only the capacity fee increases in 2009 and 2010 to manage the impact of the increases to mainly developers of new residential single family and multi-family dwellings, and hotel construction (CMR: 227:08, CMR 222:09, and CMR: 214:10). Staff's recent internal cost-of-service study of connection and service-related costs indicates that current fees do not fully recover the Utilities Department's direct and indirect costs; therefore, an increase is necessary.

Fees are developed to cover standard connections under basic assumptions. New items are added to the rate schedule to cover additional scenarios and changing conditions. However, engineering estimates are required to determine the appropriate fees for special requirements that arise occasionally.

DISCUSSION

Besides the changes proposed and described below, staff reviewed each of the attached rate schedules for clarity, making edits as needed to improve readability and ensure that defined terms used in Rule 2 (Definitions and Abbreviations) were properly capitalized in each rate schedule. All changes are shown in redline and attached.

Water-Gas-Wastewater Connection Fees

The proposed increases in water, gas, and wastewater connection fees are due to a combination of factors including higher labor rates, additional meter costs, and an increase in work time to reflect the actual time required to complete each job. The proposed water service connection fees increased on average of 87% with a decrease on average of 14% for domestic, irrigation and fire combined service connection charges; the proposed gas service connection fees increased on average 94%; and the proposed wastewater service connection fees increased on average 41%.

The largest proposed fee increases are for meter installation charges for water and gas services. The current fees for domestic water and gas meter installations do not cover the material cost of the meter box and the new standard electronic water meter (E-meter), which was adopted in the 2013 Water, Gas, and Wastewater Utility Standards. They also do not cover the labor costs for setting or inspecting new meters on new or existing services.

The proposed connection fee schedules will also recover utility plan review costs through the proposed addition of standardized utility plan review fees, along with engineering and inspection costs for a variety of utility work performed by outside contractors. Standardizing these fees will shorten the permit issuing process by eliminating the labor intensive estimation work that was done previously for water, gas and wastewater utility plan reviews and engineering and inspection work for unusual/large projects. In addition, new fees for tapping water and gas mains are proposed to be added to the connection fee schedules to provide an option to customers who prefer to use their own contractors for the service installation.

Per Palo Alto Municipal Code Titles 15 and 16 (Palo Alto Fire Code and Building Regulations), adopted in 2008, all new construction or renovation of one- and two-family dwellings is required to install automatic sprinkler systems. The proposed decreases in new water service connection fees, on average 14%, are due to combining domestic water, fire, and/or irrigation capability into one system. New customers will be charged, under the proposed fee schedule, for installing only one pipe servicing any purpose (fire, domestic or irrigation).

Tables 1, 2, and 3 present summary of proposed changes to Gas, Water, and Wastewater Service Connection Fees, respectively.

**Table 1 – Summary of Proposed Changes to Gas Service Standard Connection Fees
(Attachment B – Utility Rate Schedule G-5)**

<u>Rate Schedule Section and Title</u>	<u>Reason(s) for Proposed Changes</u>
B.1 & B.2 Plan Review Fees	New standardized fees to shorten processing time for permit issuance. Fees are based on estimated hours for plan review. Mainly used for commercial projects in excess of \$200,000 and new subdivisions.
B.3 Distribution System Extension Charge	Increased labor rates and installation time
B.4. Connection Charge for Service Installed on Existing Main - directionally bored connections	Increased labor rates, material costs, and installation time
B.4 Connection Charge for Service Installed on Existing Main - trenched connections and contractor provided trenches)	Provides fee for when field conditions call for open -trench method, instead of directionally bored (trenchless) method Provides an option for customers who wish to have their contractor provide the trench for service installations by City staff
B.5 Meter Charges	Increased material costs and inclusion of actual labor costs for setting and inspection of meters
B.5 4" Bollard	New standard bollard size
B.6 Additional meters on existing and new services	Increased material costs and inclusion of actual labor costs for setting and inspection of meters
B.7 Service Riser Relocation	Increased labor rates and relocation time
B.9 Tapping the gas main for contractor installed services	Provides an option to customers in wanting to employ their own contractor for the service installation. City staff will perform tapping of live gas main.
D.1 Engineering and Inspection Service Fees	Increased labor rates. New standardized fees to shorten processing time for permit issuance.

**Table 2 – Summary of Proposed Changes to Water Service Standard Connection Fees
(Attachment D – Utility Rate Schedule W-5)**

<u>Rate Schedule Section and Title</u>	<u>Reason(s) for Proposed Changes</u>
B. 1 Plan Review Fees	New standardized fees to shorten processing time for permit issuance. Fees are based on estimated hours for plan review. Mainly used for commercial projects in excess of \$200,000 and new subdivisions.
B.2 Distribution System Extension Charge	New standard material and larger minimum diameter pipes for mains
B.3 Service Connection Charges (for Domestic, Fire, & Irrigation)	Combining of Domestic, Fire, and Irrigation for multiple purposes reduced required work hours and material costs for installation
B.4 Meter Charges	New standard electronic (E-meter) and compound meters and inclusion of actual labor costs for setting and inspection of meters
B.5 Additional Meters on Connection	New standard electronic (E-meter) and compound meters and inclusion of actual labor costs for setting and inspection of meters
B.7 Capacity Fees	New minimum fixture units are proposed to align meter size with customer-identified on-site current and future demand
D.1 2-Meter Manifold	Increased labor rates and material costs
D.2 Service Abandonment	Increased time for demolition due to unpredictable underground field conditions
D.3 Meter Installation	Standardized fee for engineering and inspection for large meter purchase and installation by other parties
D.4 Hydrant Installation	Increased installation time and material costs
D.5 Tapping the water main for contractor installed services	Provides an option to customers who want to employ their own contractor for the service installation. City staff will perform tapping of live water main.
D.6 Engineering and Inspection	Increased labor rates. New standardized fees to shorten processing time for permit issuance.

**Table 3 – Summary of Proposed Changes to Wastewater Service Standard Connection Fees
(Attachment F – Utility Rate Schedule S-5)**

<u>Rate Schedule Section and Title</u>	<u>Reason(s) for Proposed Changes</u>
B. 1 Plan Review Fees	New standardized fees to shorten processing time for permit issuance. Fees are based on estimated hours for plan review. Mainly used for commercial projects in excess of \$200,000 and new subdivision.
B.2 Collection System Extension Charge	Increased labor rates, material costs, and installation time
B.3 Connection Charges	Increased labor rates and material costs
B.3 Connection Charges - Rehab Existing Lateral	Provides option for customer with existing vitrified clay pipe and other laterals that can be rehabilitated by trenchless rehabilitation methods
B.5 Capacity Fees	No changes
D.1 Install Manhole	Increased labor rates, materials costs, and time for installation due to traffic congestion, night time work, and difficult underground field conditions
D.2 Abandonment and Demolition	Increase labor rates and time for demolition due to difficult underground field conditions
D. 3 Install New Cleanout	New standard fee for cleanout installation
D.4 Engineering and Inspection Fees	Increased labor rates. New standardized fees to shorten processing time for permit issuance.

Capacity Fees

No increases are proposed to any existing capacity fees, but some new meter size options are being added to align meter size with customer demand. A minimum number of fixture units is proposed for 4-inch and 6-inch water meters; currently no minimum is required. The proposed minimums offer an incentive for customers to accurately report the number of fixture units and to request meters that will supply their stated fixture units and corresponding gallons-per-minute of demand. The City installs water meters to match the customer's demand as stated on the Customer Utility application/load sheet. Customers who want a large 4-inch or 6-inch compound meter will need to meet the proposed minimum number of fixture units on the application/load sheet or pay the capacity fee based on this minimum number of fixture units, with additional fixture units beyond the minimum number to be calculated at \$125.00 per fixture unit.

Utility Miscellaneous Charges (Attachment H – Utility Rate Schedule C-1)

Utility Rate Schedule C-1 covers flat rate charges for service calls related to service disconnection and restoration for non-payment. In addition, labor rates per hour per person

for non-standard service work have been revised and the proposed rates are increasing 13% to reflect updated labor costs since 2002. The proposed service call flat rates are increasing 35 percent due to increases in pension and medical costs, market salary re-alignment, and additional infrastructure expenses since 2008.

Connection Fees in Other Local Utilities

The proposed fee changes for the water utility will be more in-line with other local utilities. Attachment K, Connection Fees Comparison 2014, shows some of the comparable water utility connection fees with other local utilities. There were no comparable gas utility connection fees and most local utilities do not own wastewater laterals.

The proposed fee changes were developed in accordance with the Mitigation Fee Act (California Government Code Section 66000 – 66008), which governs water and wastewater utility connection and capacity charges. The Act sets forth notice and hearing procedures and requires that fees not exceed the estimated reasonable cost of providing the service for which the fee is imposed. Although the City's gas connection fees and service call fees are not covered by the Act, the City has followed its procedural and substantive requirements with respect to these cost-based fees, for transparency and ease of administration.

Government Code 66016 requires that prior to levying a new or increased fee or service charge, the City Council must hold at least one public meeting to listen to any oral or written presentations on the fees. If approved, the proposed fee changes will take effect on April 1, 2015, 60 days after the City Council adopts the resolution amending the fees, in accordance with Government Code Section 66017.

RESOURCE IMPACT

Based on the assumption that the fee changes will take effect in April 2015, the estimated increase in annual connection fee revenues is approximately \$225,000 in the Gas Fund, \$150,000 in the Water Fund, and \$75,000 in the Wastewater Fund.

POLICY IMPLICATIONS

These recommendations do not represent a change in current City policies.

ENVIRONMENTAL REVIEW

The adoption of the resolution is statutorily exempt from the California Environmental Air Quality Act; under California Code of Regulations Title 14, Chapter 3, Section 15273(a), because CEQA does not apply to the modification, restructuring, or approval of rates and charges for the purpose of meeting operating expenses and obtaining funds for capital projects necessary to maintain service.

ATTACHMENTS

Attachment A: Resolution to amend rate sched G-5, W-5, S-5, C-1 effective 04_01_2015
Attachment B: Rate Sched G-5 effective 04_01_2015
Attachment C: Redline Rate Sched G-5 effective 04_01_2015
Attachment D: Rate Sched W-5 effective 04_01_2015
Attachment E: Redline Rate Sched W-5 effective 04_01_2015
Attachment F: Rate Sched S-5 effective 04_01_2015
Attachment G: Redline Rate Sched S-5 effective 04_01_2015
Attachment H: Rate Sched C-1 effective 04_01_2015
Attachment I: Redline Rate Sched C-1 effective 04_01_2015
Attachment J: Backup Spreadsheets FY2014-2015
Attachment K: Connection fees comparison_2014

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ATTACHMENT M



EXCERPTED DRAFT MINUTES OF THE DECEMBER 10, 2014 UTILITIES ADVISORY COMMISSION MEETING

ITEM 1 (Original Agenda New Business Item 4): ACTION: Staff Recommendation that the Utilities Advisory Commission Recommend that Council Adopt a Resolution Amending Water, Gas and Wastewater Connection and Capacity Fees and Miscellaneous Utility Charges (Utility Rate Schedules G-5, W-5, S-5 and C-1)

Tomm Marshall, Assistant Director for Engineering, said that it has been at least 5 years since the fees in question have been updated; therefore there may be a substantial increase. The fees are based on the time and materials it takes to recover the cost to do the work.

Vice Chair Waldfogel said that he'd like to get a sense of before and after impact of the fees. He asked what the change is in the total cost due to the proposed change in fees for a homeowner. Marshall said that every service is different, but for a typical residential customer needing new gas, water, and sewer services, the cost would change from \$13,700 to \$17,400, a 27% increase.

Chair Foster asked how long it has been since the fees were changed. Marshall replied at least 5 or 6 years.

Commissioner Hall asked how these fees compare to those for other entities, such as PG&E for gas and other agencies for sewer, and if the other entities' fees are based on time and materials too. Marshall said that on PG&E's website, gas service fee schedule provides a range from \$2,000 to \$12,000 and it appears to be prepared by their Estimators on a case by case basis. He said that Palo Alto uses a fixed price. Commissioner Hall asked the same question for sewer. Marshall said that Palo Alto is different since the City owns the lower sewer laterals. For most of the other agencies, the customer owns the entire sewer lateral. Commissioner Hall asked if there would be a cost saving to the City if we transfer the ownership of the lower laterals to the customers. Marshall said that the City has evaluated the possibility but we received strong push back because the customers didn't want to take on the additional cost. We may re-evaluate that option and go through the policy change process, after the laterals have been examined and/or repaired as a result of the cross-bore inspection program.

Commissioner Hall asked what the excess length fee for gas services greater than 40 feet is, and who covers the additional trenching cost. Marshall said that it's the incremental cost of boring to get to a distant meter location and that trenching is not usually needed.

Commissioner Eglash asked if there was a concern about customers who have been planning a project, but would suddenly be facing a large fee increase. He asked if the fee increase could be adopted, but be delayed until 2016, to allow adequate time for notices to customers. Marshall said that when fees change, the City sends a letter to those with projects on file and provides a 90-day notice during which they can pay the fees under the old rates. Commissioner Eglash asked if there are issues with this approach, for example, in the case of the project not being far enough along in the planning phase so that the fee estimate cannot be firmed up. Marshall said that generally, if there is a project on file, the City has already provided an estimate.

Vice Chair Waldfogel asked if the fees could be based on labor costs and changed administratively so that they wouldn't have to wait for the lengthy review process to be updated. Marshall said that there was a legal issue for how these fees can be changed.

Commissioner Cook asked if it could be setup for an annual automatic renewal approved by the City Manager. Senior Deputy City Attorney Jessica Mullan stated that the fees can't be automatically renewed, but must go through a public review and hearing process and it requires the Council's approval.

Vice Chair Waldfogel noted that the gas commodity rates are changed based on market conditions within a Council-established range and do not go back for Council approval each month. Mullan said that the applicable law is different for gas rates.

Commissioner Hall noted that the fees show an encouragement for cost savings for folks with combined fire service and domestic water service, but it looks like there are actually two charges. Marshall replied that a residential customer can have one pipe to serve both fire and domestic water services. For commercial customers, it's usually one larger pipe for fire service with a pipe tapped off from it for potable water service; therefore two charges would apply.

ACTION:

Commissioner Eglash made a motion to approve staff's recommendation. Commissioner Cook seconded the motion. The motion carried unanimously (6-0 with Chair Foster, Vice Chair Waldfogel, Commissioners Cook, Eglash, Hall and Melton voting yes, and with Commissioner Chang absent).