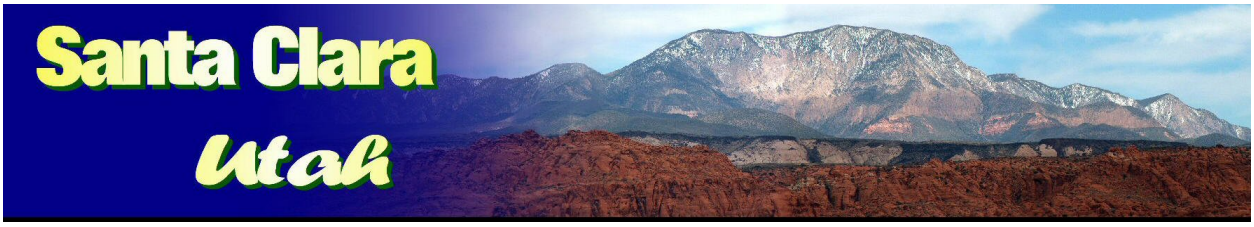


Santa Clara City

Electrical Connection Fees
(Residential and Commercial)

& Line Extension Policy

December 2023

Intermountain Consumer
Professional Engineers, Inc.
1145 East South Union Avenue
Midvale, Utah 84047
(801) 255-1111

TABLE OF CONTENTS

Connection Fees (Residential – Commercial)

ELECTRIC SERVICE CONNECTION FEE

This Electrical Service Connection Fees document consists of a Commercial and Residential section. The commercial section is in Page 3 and the Residential section follows.

RESIDENTIAL

I. General

This service connection fee is for alternating current electric service to residential occupancies, supplied at approximately 120 volts or 120/240 volts single phase, through one kilowatt-hour meter at a single point of delivery for all electric service required on the premises. Service will be provided by the City electric system at a place determined by the power department where there are existing facilities with adequate capacity. Refer to the Line Extension Policy (Page 15) for areas where electrical facilities do not exist.

II. Application

The Santa Clara City Power Department requires an application for service from a new customer prior to the commencement of construction on a new residence. Notice shall be given far enough in advance so that connection to Santa Clara City electrical facilities can be completed by the time service is required and the necessary fees can be collected.

A plot plan of the residence shall be included with the application for service showing the proposed location of the meter base and secondary conductor routing. Meter base location, secondary routing, and type (overhead/underground) shall be approved by the Power Department prior to commencement of construction.

III. Fees (New Service Point)

Each time a customer is connected to the electrical system for electric service at a point of delivery not previously used, or each time a customer changes his point of delivery, the customer shall be charged a connection fee. Table 1 (next page) lists the appropriate connection fees to be collected from the customer for new points of delivery prior to installation.

A. Overhead Service: The connection fee will cover the costs involved with providing, installing and terminating the overhead service. The fee shown in Table 1 includes the conductors up to 100 ft. in length, distances over 100 ft. will be covered by the Line Extension Policy. For installation and ownership details, see the Service Equipment section.

B. Underground Service: The connection fee will cover the costs involved with terminating the (customer provided and installed) secondary conductors at the primary transformer or J-box. The customer will be responsible for providing and installing the secondary conduit and cable from the meter base to the primary transformer. If the transformer is located on a pole, the customer is responsible for supplying all material required to rise up pole to the transformer. The Power Department will install the conduit/cable up the pole to the transformer. For installation and ownership details, see the Service Equipment section.

The fees include one single phase meter supplied and installed by the Power Department in a customer provided and installed meter base.

TABLE 1
New Point of Delivery

Description	Fee	Fee Estimate Table
Overhead Service - Residential (60A-200A)	$1017.00	RCF-01
Overhead Service - Residential 400A	$1195.00	RCF-02
Underground Service - Residential (60A-200A)	$758.00	RCF-03
Underground Service - Residential 400A	$820.00	RCF-04

Connection Fees not covered in Table 1 (multiple meter points, underground riser to overhead transformer, etc.) are to be dealt with on an individual basis and the cost will be determined by the Power Department. The City reserves the right to review each connection to the electrical system and adjust the costs shown in Table 1 as deemed necessary.

IV. Fees (Existing Service Point)

Each time a customer is connected to the electrical system at a point of delivery used previously by another customer, or each time a customer is reconnected after voluntary disconnection to his same point of delivery, the customer shall be charged a connection fee. Table 2 lists the appropriate connection fees to be charged for existing points of delivery reconnected to the electrical system. These fees are to be collected prior to installation by the Power Department.

TABLE 2
Existing Point of Delivery

Description	Fee	Fee Estimate Table
Overhead/Underground with existing meter	$75.00	RCF05
Overhead/Underground with new meter	$271.00	RCF-06

The City reserves the right to review each connection to the electrical system. If the costs to connect or reconnect a customer to an existing service exceed the amount shown in Table 2, the customer will be billed for the additional time and materials required for the connection.

V. Fees (Service Upgrade)

If a customer increases his service loading above the capacity of the existing service, a connection fee shown in Table 1 will be charged to upgrade the service. Application requirements for a service upgrade will be the same as for a new service.

If upgrades beyond the service entrance conductors (i.e. transformer and/or primary feeder) are required, the associated upgrade costs will be billed to the customer for the time and materials needed for the upgrade. See Line Extension Policy for these additional costs.

COMMERCIAL

I. General

This service connection fee is for alternating current electric service to non-residential occupancies, supplied at the City's available voltage, single phase or three phase, through one kilowatt-hour meter at a single point of delivery for all electric service required on the premises. Service will be provided by the City electric system at a place determined by the power department where there are existing facilities with adequate capacity. Refer to the Line Extension Policy for areas where electrical facilities do not exist.

II. Application

The Santa Clara City Power Department requires an application for service from a new customer prior to the commencement of construction on a new Commercial building. Notice shall be given far enough in advance so that connection to City electrical facilities can be completed by the time service is required and the necessary fees can be collected.

A plot plan of the commercial facility shall be included with the application for service showing the proposed location of the meter base and secondary conductor routing. Meter base location, secondary routing and type (overhead/underground) shall be approved by the City's Power Department prior to commencement of construction.

III. Fees (New Service Point)

Each time a customer is connected to the electrical system for electric service at a point of delivery not previously used, or each time a customer changes his point of delivery, the customer shall be charged a connection fee. Table 1 lists the appropriate connection fees to be collected from the customer for new points of delivery prior to installation.

A. Overhead Service: The connection fee will cover the costs involved with providing, installing and terminating the overhead service. The fee shown in Table 1 includes the conductors up to 100 ft. in length, distances over 100 ft. will be covered by the Line Extension Policy. For installation and ownership details, see the Service Equipment section.

B. Underground Service: The connection fee will cover the costs involved with terminating the (customer provided and installed) secondary conductors at the primary transformer. The customer will be responsible for providing and installing the secondary conduit and cable from the meter base and CT cabinet to the primary transformer. If the transformer is located on a pole, the customer is responsible for supplying all material required to rise up pole to the transformer. The Power Department will install the conduit/cable up the pole to the transformer. For installation and ownership details, see the Service Equipment section.

Single Phase fees include one single phase meter supplied and installed by the Power Department in a customer provided and installed meter base. Three Phrase fees include one three phase meter and three CTs provided and installed by the Power Department in a customer provided and installed CT cabinet and meter base.

TABLE 1
New Point of Delivery

Description	Fee	Fee Estimate Table
Overhead Service - 1Ø (200A)	$ 1017.00	CCF-01
Overhead Service - 1Ø (400A)	$1,195.00	CCF-02
Overhead Service - 3Ø (200A)	$1,773.00	CCF-03
Overhead Service - 3Ø (400A (self-contained meter))	$2,236.00	CCF-04
Underground Service - 1Ø (200A)	$758.00	CCF-05
Underground Service - 1Ø (400A)	$820.00	CCF-06
Underground Service - 3Ø (200A)	$1,261.00	CCF-07
Underground Service - 3Ø (400A) (self-contained meter)	$1,322.00	CCF-08
Underground Service - 3Ø (400 /800A) CTs required	$2,837.00	CCF-09

Connection Fees not covered in Table 1 (multiple meter points, underground riser to pole mount transformer etc.) are to be dealt with on an individual basis and the cost will be determined by the Power Department. The City reserves the right to review each connection to the electrical system and adjust the costs shown in Table 1 as deemed necessary.

IV. Fees (Existing Service Point)

Each time a customer is connected to the electrical system at a point of delivery used previously by another customer, or each time a customer is reconnected after voluntary disconnection to his same point of delivery, the customer shall be charged a connection fee. Table 2 lists the appropriate connection fees to be charged for existing points of delivery reconnected to the electrical system. These fees are to be collected prior to installation by the Power Department.

TABLE 2
Existing Point of Delivery

Description	Fee	Fee Estimate Table
Overhead/Underground with existing meter, 1Ø	$150.00	CCF-10
Overhead/Underground with new meter required 1Ø	$348.00	CCF-11
Overhead/Underground with existing meter, 3Ø	$150.00	CCF-12
Overhead/Underground with new meter required 3Ø	$647.00	CCF-13

The City reserves the right to review each connection to the electrical system. If the costs to connect or reconnect a customer to an existing service exceed the amount shown in Table 2, the customer will be billed for the additional time and materials required for the connection.

V. Fees (Service Upgrade)

If a customer increases his service loading above the capacity of the existing service, a connection fee shown in Table 1 will be charged to upgrade the service. Application requirements for a service upgrade will be the same as for a new service.

If upgrades beyond the service entrance conductors (i.e. transformer and/or primary feeder) are required, the associated upgrade costs will be billed to the customer for the time and materials needed for the upgrade. See Line Extension Policy for these additional costs.

Service Equipment – Maintenance and Ownership Responsibility

SERVICE EQUIPMENT
INSTALLATION, MAINTENANCE AND OWNERSHIP

I. Maintenance and Ownership

In general, it is the responsibility of the customer to maintain and assume ownership of all electrical devices, conduits, conductors, etc. on the load side of the meter and the Power Department will maintain and assume ownership of all associated electrical equipment on the lineside of the meter.

For new service points or service upgrades, the maintenance and ownership responsibilities will be based on the following guidelines for a period of one year prior to the lineside/load side division described above.

A. Customer. In addition to all electrical devices, conduits, conductors etc. on the load side of the meter, the customer will be responsible for the following:

1. Provide and install a Power Department approved meter base and current transformer cabinet if required.
2. Provide and install the conduit and conductors including all trenching and backfill from the lineside of the meter to Power Departments point of delivery (transformer or J-box for underground service and service drop for overhead service.)
3. Terminate the service conductors on the line side of the meter.

B. Power Department. The Power Department will be responsible for the following:

1. Provide and install the meter and associated meter wiring required for 3-phase power.
2. Terminating the secondary conductors at the transformer, J-box or overhead service drop.

The customer will be required to maintain the secondary conduit and conductors from the meter to the transformer at their expense for a period of one year after energization of the system. After the one-year period the Power Department will assume ownership and maintenance of all electrical equipment and conductors on the line side of the meter.

Please refer to the attached drawings detailing ownership of various service entrance types. Questions of ownership responsibility should be directed to the Power Department.

VI. Installation

All service entrance conductors installed by the customer must be in rigid galvanized steel conduit above grade and PVC sch. 40 conduit below grade. All 90° elbows below grade are to be rigid galvanized steel and wrapped with tape to avoid corrosion.

Table 1 contains a list of approved conduit and conductor sizes for secondary services from the transformer to the meter base. These sizes are based on the service entrance being 100 ft. in length or less and with only 2-90° elbows in the conduit system. If the service entrance is greater than 100 ft. in length the conductor and conduit sizes may need to be increased to reduce voltage drop.

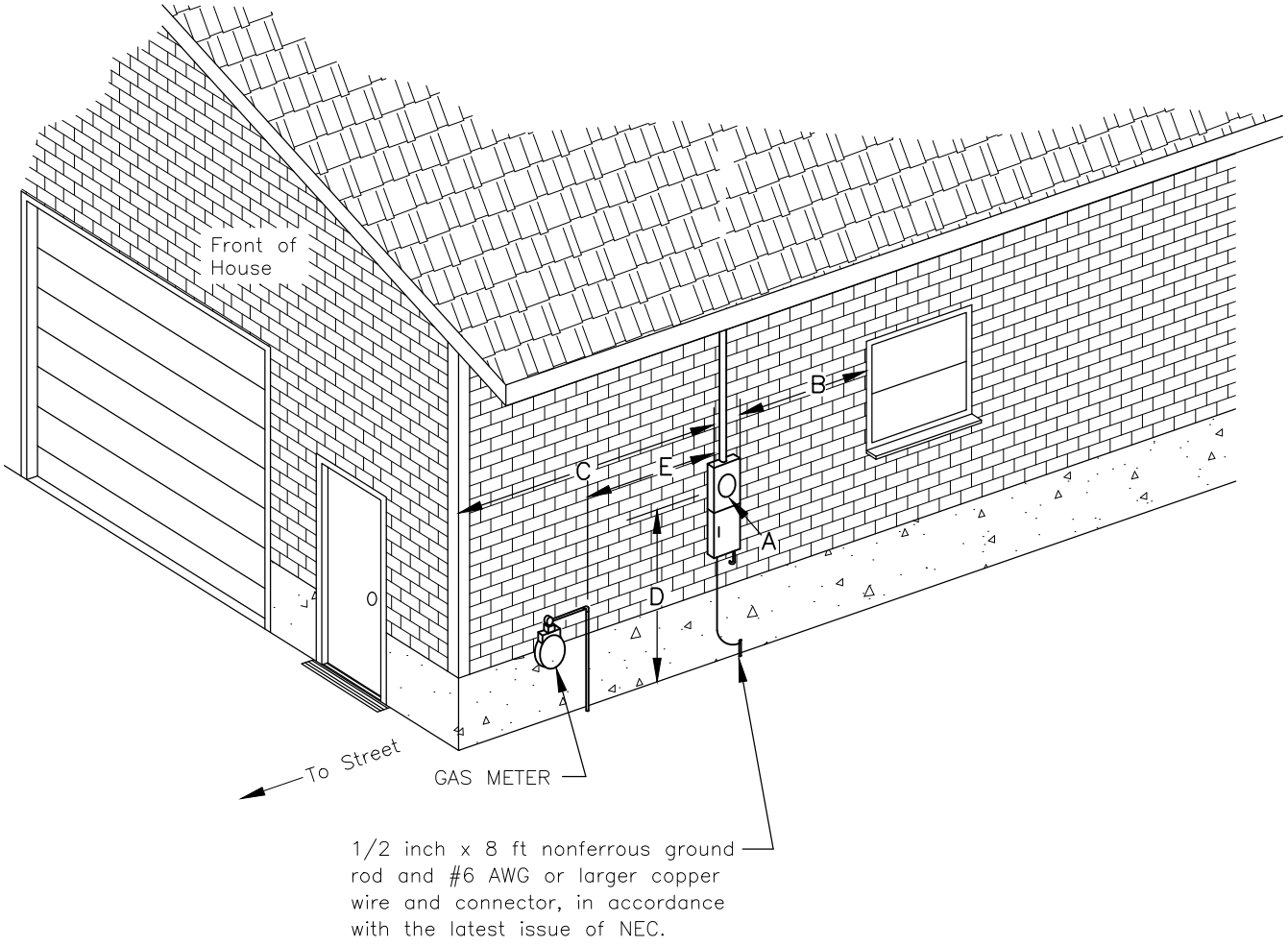
Obtain Power Department approval for service entrances over 100 ft. in length or if more than 2-90° elbows are required.

APPROVED SECONDARY CONDUIT AND CONDUCTORS
TABLE 1

Service Entrance Ampacity	Single-Phase Three-Wire		Three-Phase Four-Wire	
	Conduit	Conductors/insulation	Conduit	Conductors/insulation
100 A	1-2"	3 - #2/XHHW AL	1-2"	4 - #2/XHHW CU
125 A	1-2"	3 - #1/XHHW AL	1-2"	4 - #1/XHHW CU
150 A	1-2"	3 – 1/0/XHHW AL	1-2"	4 - 1/0/XHHW CU
200 A	1-2½"	3 – 4/0/XHHW AL	1-3"	4 - 4/0/XHHW CU
300 A	1-3"	3 - 350 kcmil/XHHW CU	1-4"	4 - 350 kcmil/XHHW CU
400 A	1-4"	3 - 500 kcmil/XHHW CU	1-4"	4 - 500 kcmil/XHHW CU
600 A	Contact Power Department for approval		2-4"	1 set of 4 - 350 CU kcmil/XHHW per conduit (total of 8)
800 A	Contact Power Department for approval		2-4"	1 set of 4 - 500 CU kcmil/XHHW per conduit (total of 8)

Please refer to the attached drawings detailing installation of various service entrance types. Questions of installation procedures should be directed to the Power Department.

TYPICAL RESIDENTIAL METER LOCATION



A. METER AND MAIN BREAKER LOCATION MUST BE APPROVED BY POWER DEPT. PRIOR TO INSTALLATION.
B. 3 FT MINIMUM FROM WINDOWS OR DOORS
C. 3 FT RECOMMENDED BUT, 10 FT MAXIMUM WITH POWER DEPT. APPROVAL.
D. 5 FT MINIMUM – 6 FT MAXIMUM TO CENTER OF METER.
E. 3 FT MINIMUM CLEAR WORKING SPACE REQUIRED BETWEEN ELECTRIC METER AND GAS METER OR ANY ATTACHMENT TO THE GAS METER.

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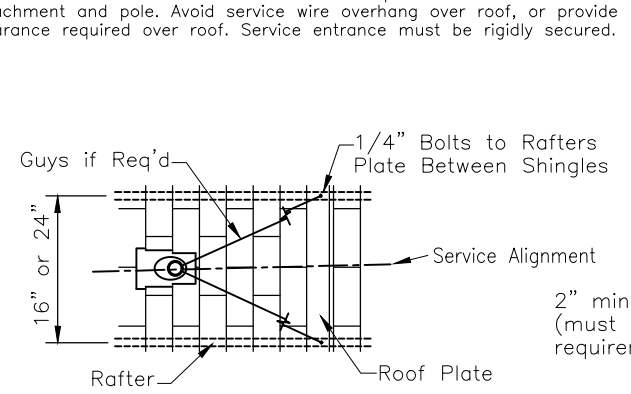
SUGGESTED METHOD OF INSTALLING OVERHEAD SERVICE TO LOW BUILDINGS

GUYED EXAMPLE

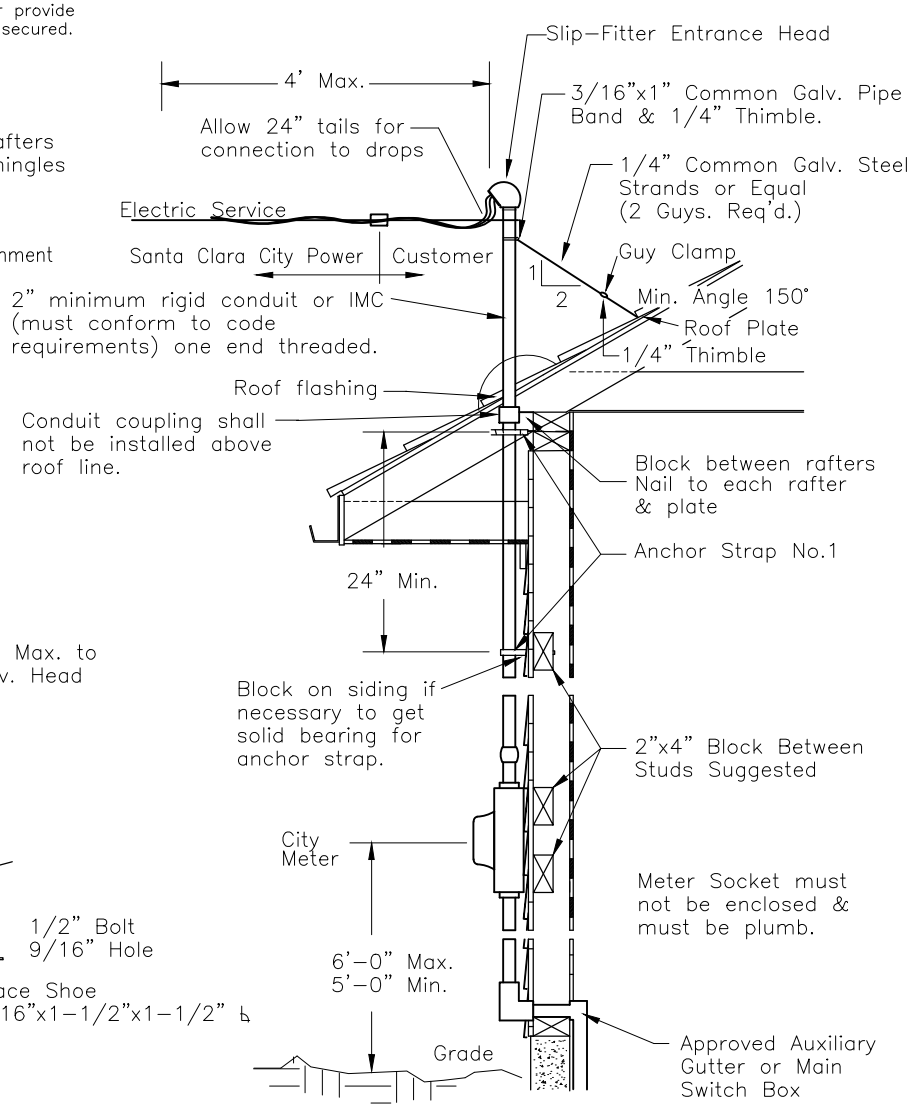
NOTE:
Service mast must be mounted on side nearest distribution pole. Should be located near front corner if clear path exists between service attachment and pole. Avoid service wire overhang over roof, or provide clearance required over roof. Service entrance must be rigidly secured.

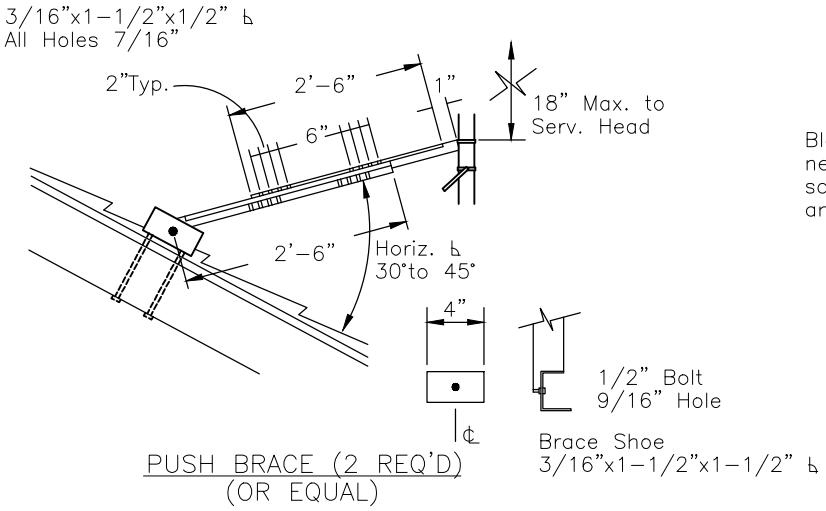
ALL FERROUS HARDWARE TO BE HOT DIP GALVANIZED



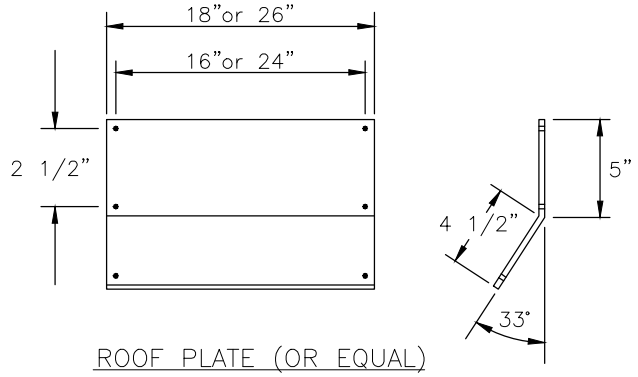
GUY DETAIL

Roof Plate must be installed so that service alignment extension falls within angle of the guys.

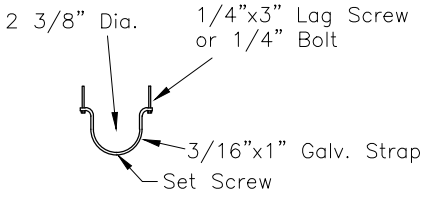




PUSH BRACE (2 REQ'D)
(OR EQUAL)



ROOF PLATE (OR EQUAL)



ANCHOR STRAP NO. 1
(OR EQUAL)

NOTE:
For brick veneer or concrete block, use 1/4"x3-1/4" lead sleeve expansion bolt in joint, in place of lag screw on anchor straps.
3/8" eye bolt and washers with header block between rafters are acceptable, but eye lags are not acceptable.

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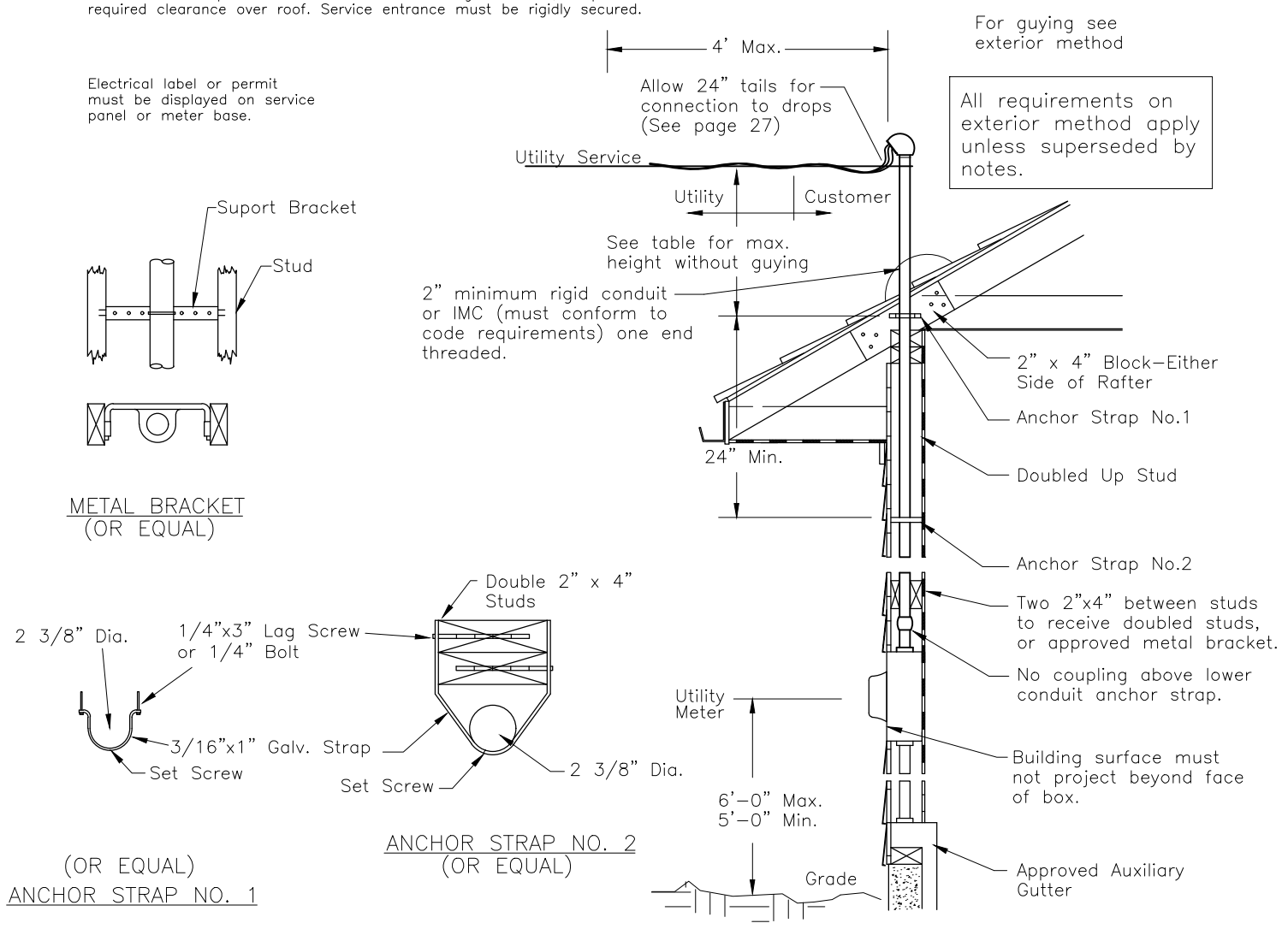
SUGGESTED METHOD OF INSTALLING OVERHEAD SERVICE TO LOW BUILDINGS

UNGUYED EXAMPLE

NOTE:
Service mast must be mounted on side nearest distribution pole. Should be located near front corner if clear path exists between service attachment and pole. Avoid service wire overhang over roof, or provide required clearance over roof. Service entrance must be rigidly secured.

Electrical label or permit must be displayed on service panel or meter base.



MAXIMUM HEIGHT WITHOUT GUYING			
	Conductor	Utility Service Length	Length of Unsupported Mast
200 Amp Service or less 2" Conduit	1/0 Triplex	Less Than 150'	24"
320 Amp Service or less 2 -1/2" Conduit	4/0 Triplex	Less Than 135'	24"

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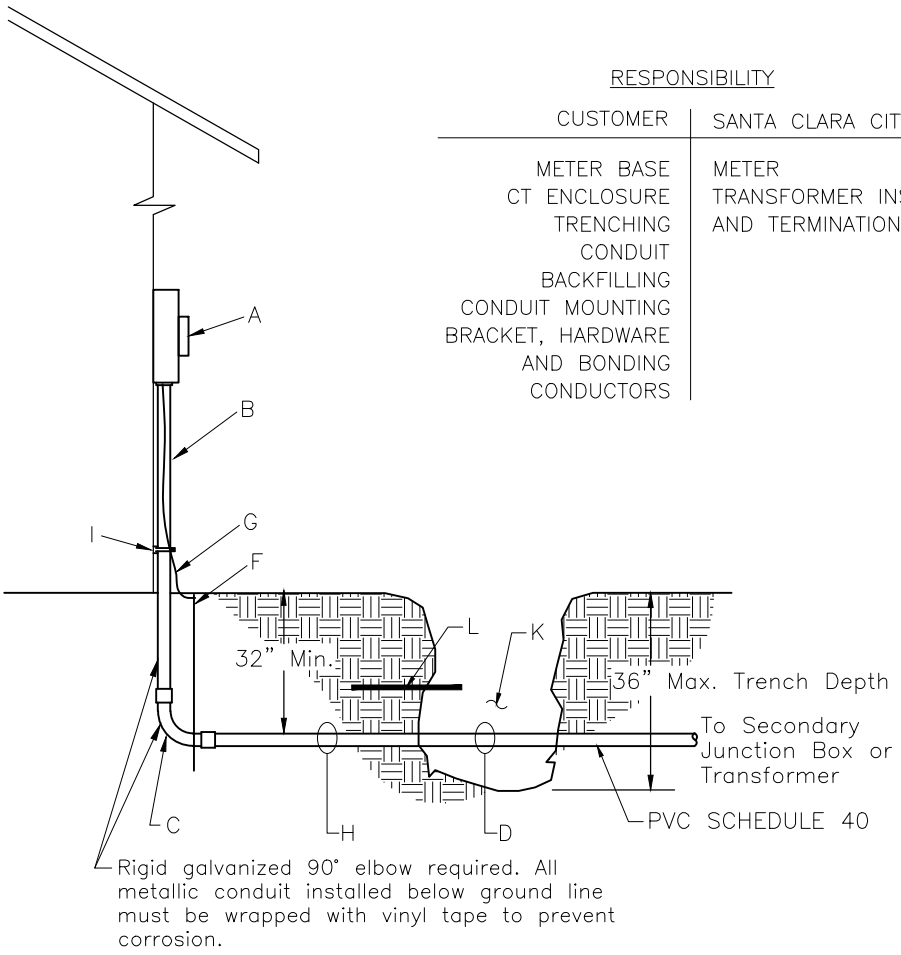
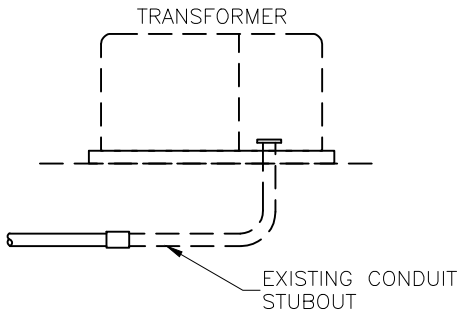
TYPICAL PAD MOUNT TRANSFORMER UNDERGROUND SERVICE

RESPONSIBILITY

CUSTOMER	SANTA CLARA CITY POWER
METER BASE	METER
CT ENCLOSURE	TRANSFORMER INSTALLATION
TRENCHING	AND TERMINATION
CONDUIT	
BACKFILLING	
CONDUIT MOUNTING BRACKET, HARDWARE AND BONDING CONDUCTORS	





NOTES:

A. Meter Base mounting provision, may include main disconnecting means. If meter mounting provision only, main disconnecting means required elsewhere. Power Meter Base to be mounted 5 to 6 feet high, and 3 feet from the front of the building.
B. 2 inch rigid steel or IMC conduit for 200 ampere and less, electric service.
C. Rigid steel or IMC 90 conduit elbow, vinyl tape wrap. Minimum radius of bend– 18 inches.
D. 2 inch plastic, rigid steel or IMC conduit. Conduit must be UL approved, continuous from the end of the elbow on the service riser to within 12 inches of Santa Clara City secondary junction box or transformer and terminated with UL approved bell end or conduit bushing or installed, connection to conduit stubout. For installation where existing transformer or secondary junction box has a conduit stubout, the customer is responsible to intercept and connect to the existing stubout.
E. 32 inch minimum burial depths for plastic conduit, rigid steel and IMC.
F. 1/2 inch x 8 foot nonferrous ground rod and connector. Ground rod location to be accessible. (not under concrete, etc.)
G. Grounding conductor– #6 AWG copper or larger as required by NEC. Protection from physical damage is required.
H. Conduit to rest on solid trench bottom to avoid settling and pulling loose from meter base.
I. Unistrut required on down pipe anchored with 3/8" concrete expansion bolts.
J. All premises wiring on the load side of the meter is the responsibility of the customer.
K. Customer is to backfill and provide compaction as required.
L. Warning tape 12" above conduit.

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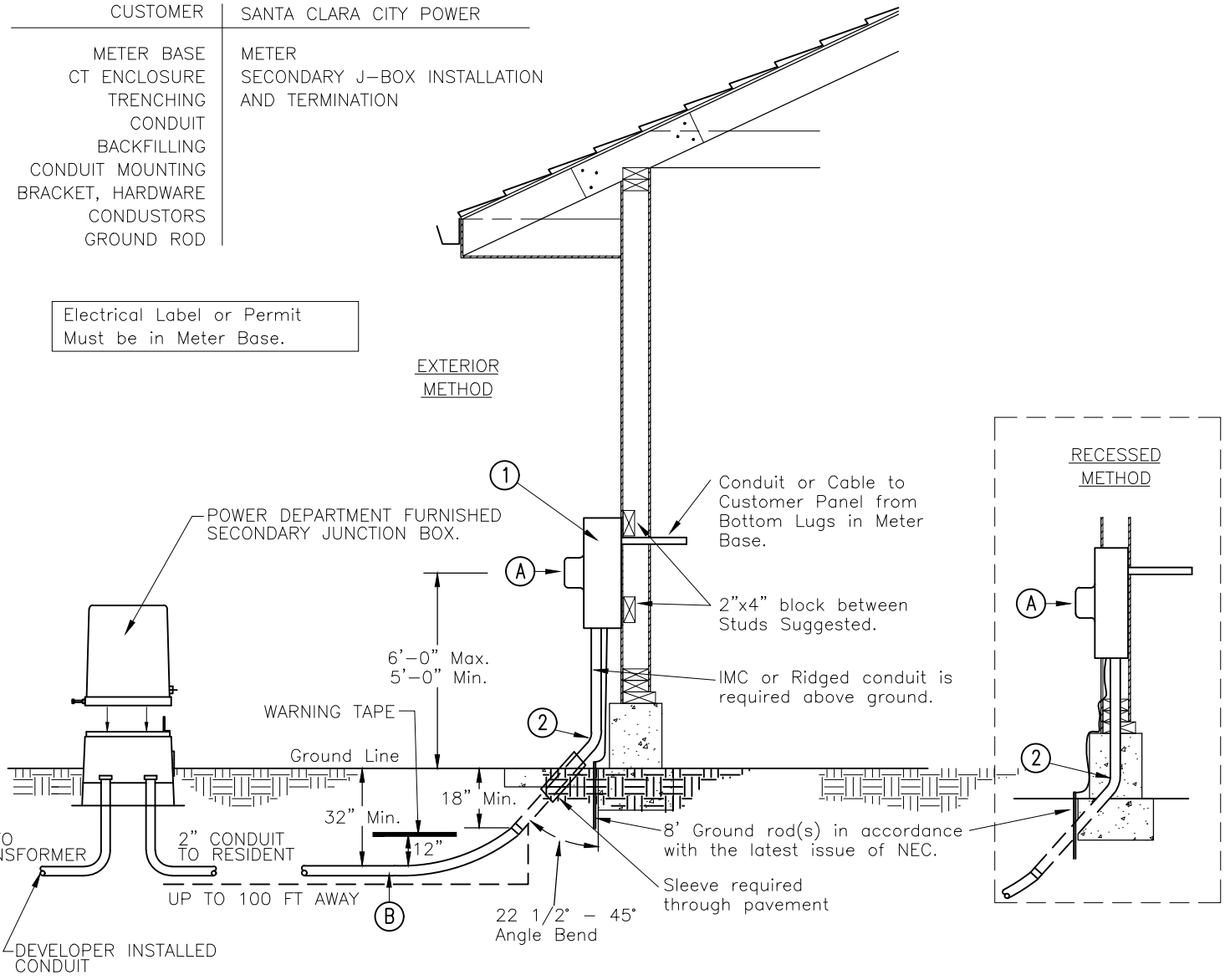
TYPICAL J–BOX RESIDENTIAL UNDERGROUND SERVICE – ELECTRICAL

RESPONSIBILITY

CUSTOMER	SANTA CLARA CITY POWER
METER BASE	METER
CT ENCLOSURE	SECONDARY J–BOX INSTALLATION
TRENCHING	AND TERMINATION
CONDUIT	
BACKFILLING	
CONDUIT MOUNTING BRACKET, HARDWARE	
CONDUSTORS	
GROUND ROD	



NOTES:

1. Electrical label or Permit must be displayed on service panel or meter base.
2. Meter base and conduit must be securely attached to structure. If a paved area is adjacent to the building foundation, the conduit must be installed past the edge of the pavement.
3. Socket must be plumb and switch box must be covered when inspected.
4. Customer to backfill and provide compaction as required.

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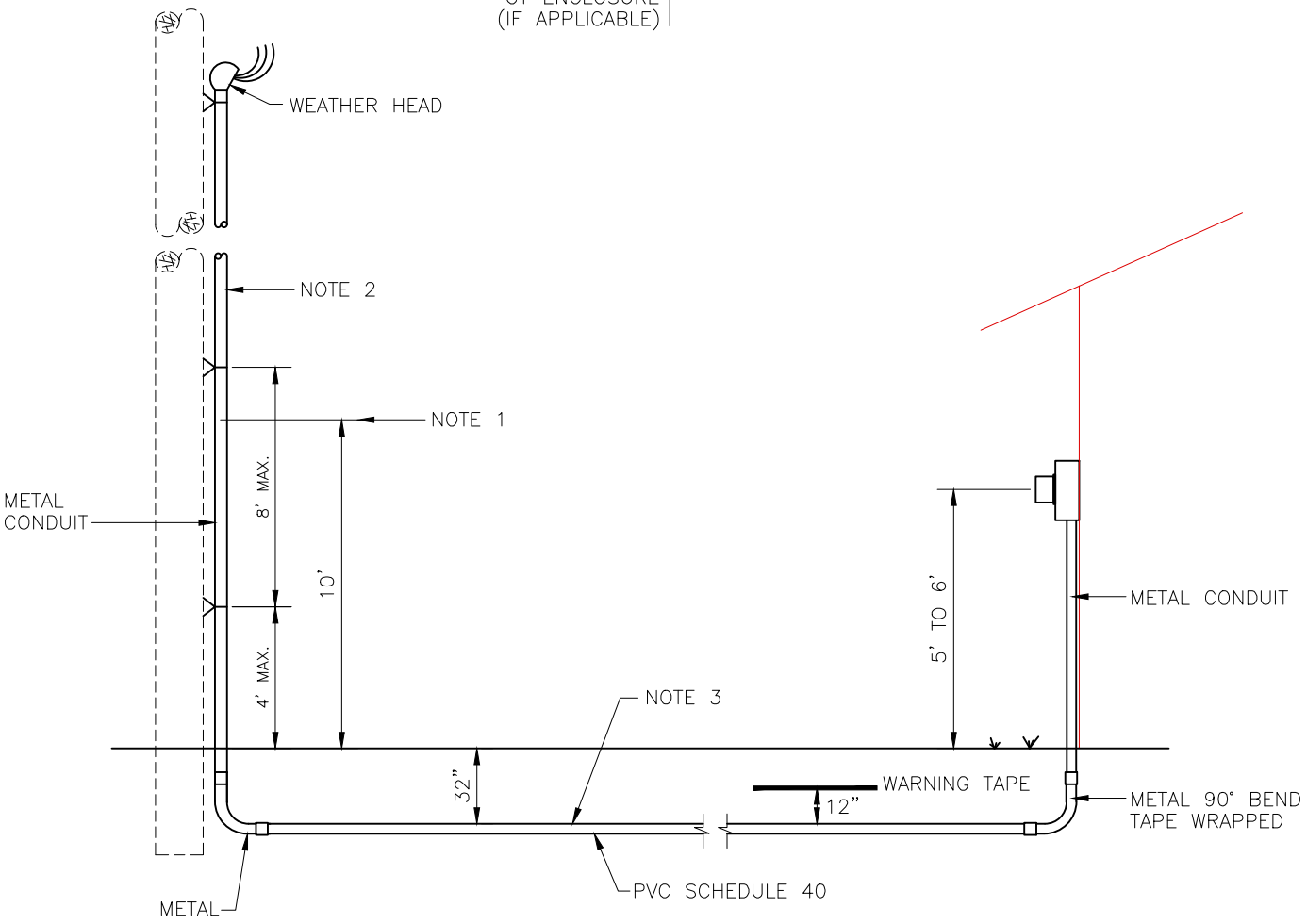
OVERHEAD TO UNDERGROUND SERVICE

RESPONSIBILITIES

CUSTOMER	SANTA CLARA CITY POWER
METER BASE TRENCHING CONDUIT BACKFILLING	METER TRANSFORMER INSTALLATION
CONDUIT MOUNTING BRACKET & HARDWARE	
CONDUIT PROTECTION BUSHING CT ENCLOSURE (IF APPLICABLE)	



NOTES:

1. CUSTOMER TO INSTALL CONDUIT TO 10' ABOVE GROUND LEVEL.
2. CUSTOMER TO PROVIDE RIGID CONDUIT, BRACKETS, WEATHERHEAD, SUFFICENT IN QUANLITY, FOR COMPLETION OF INSTALLATION BY THE POWER DEPARTMENT.
3. CUSTOMER TO BACKFILL AND PROVIDE COMPACTION AS REQUIRED.

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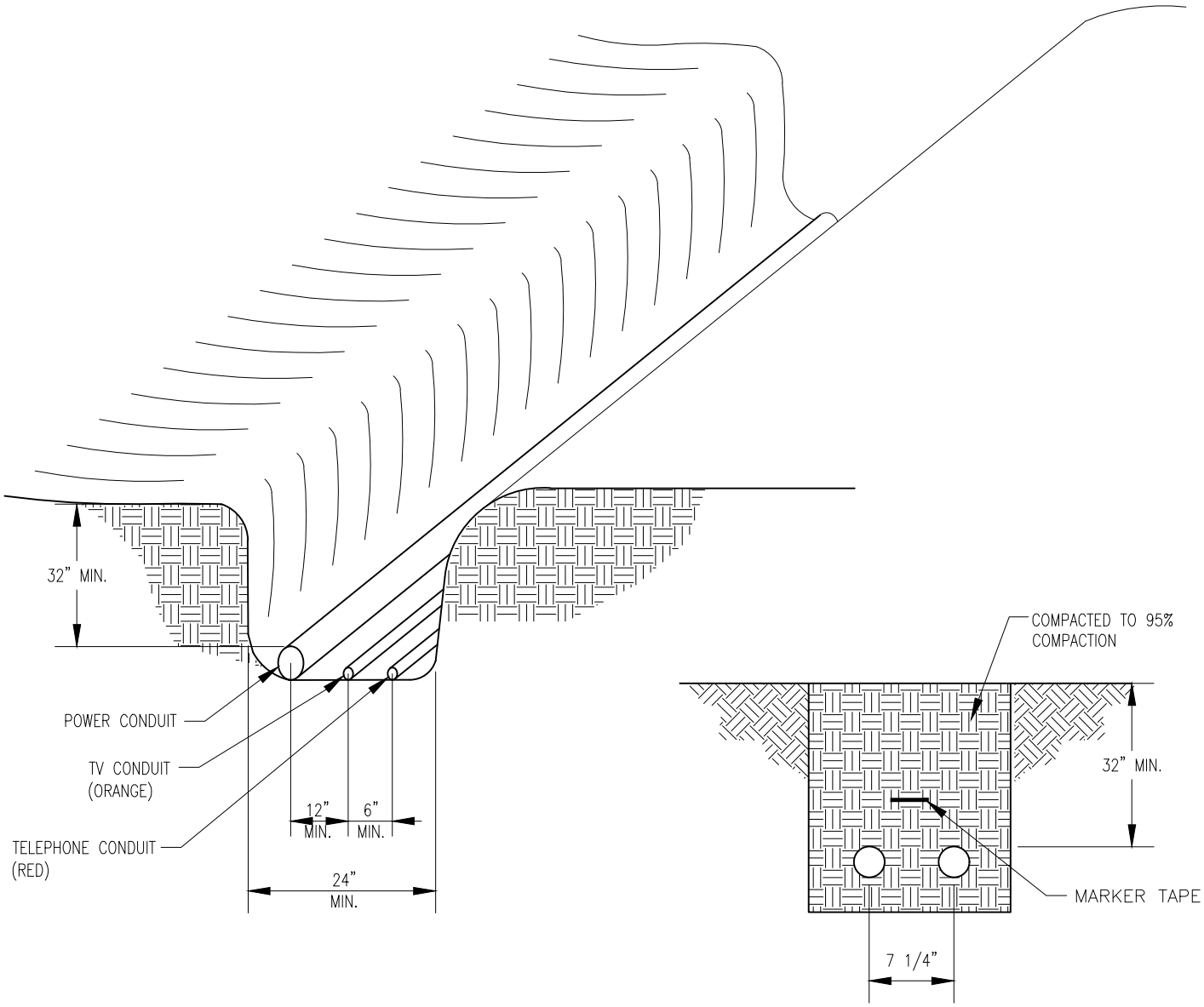
TYPICAL CONDUIT BURIAL

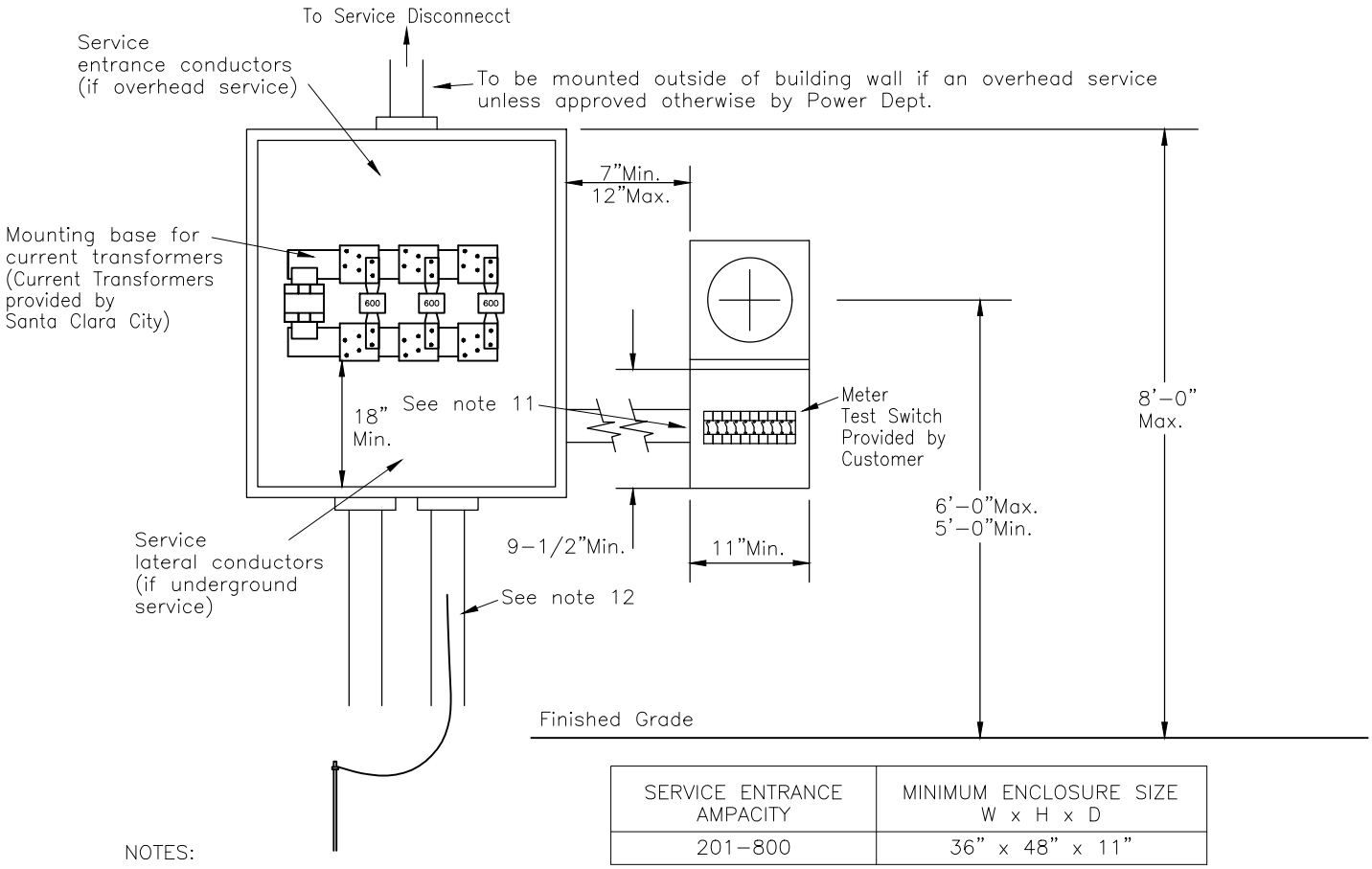


MULTIPLE SECONDARY CONDUITS

NOTES:

1. THE TRENCH IS TO BE INSPECTED BY SANTA CLARA CITY POWER PRIOR TO BACKFILL.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE TV AND TELEPHONE CONDUITS WITH THE CABLE TV AND TELEPHONE COMPANIES.
3. THE SPACING SHOWN FOR CONDUITS IS TO BE VERIFIED WITH THE CABLE TV AND TELEPHONE COMPANIES BY THE CONTRACTOR PRIOR TO INSTALLATION.
4. CONTRACTOR IS TO BACKFILL WITH SELECT MATERIAL AND RETURN THE TRENCH TO 95% COMPACTION.
5. CONTRACTOR IS TO NOTIFY BLUE STAKES AND HAVE THE AREA STAKED FOR UTILITIES PRIOR TO TRENCHING.
6. CONTRACTOR IS TO FOLLOW ALL OSHA REGULATIONS PERTAINING TO TRENCHING.

THREE PHASE CURRENT TRANSFORMER METERING
SERVICE BELOW 600 VOLTS 800 AMPS AND BELOW



SERVICE ENTRANCE AMPACITY	MINIMUM ENCLOSURE SIZE W x H x D
201–800	36" x 48" x 11"

NOTES:

1. A current transformer enclosure may be used as a combination current transformer and an underground service terminating pull box. When used in this manner, the source side service conductors should enter the center bottom of the enclosure. Loadside conductors shall exit the enclosure on the load side of the current transformers. Loadside conductors will not be permitted in the source side terminating and pull space. For all other underground service applications, a separate terminating pull box will be provided for the service lateral. Consult Power Dept. for terminating pull box requirements.
2. Only conductors associated with metering or grounding shall be permitted in the current transformer enclosure. No connections shall be made in any current transformer enclosure to supply any other meter. Except as required by the Power Dept., only one load circuit shall be permitted to leave a current transformer enclosure.
3. Customer to provide approved connectors for connecting his conductors to the current transformer mounting lugs.
4. Power Dept. will supply and install the current transformers.
5. Current transformer enclosure covers shall be hinged for side opening with lockable door.
6. Metallic conduit for meter leads to be a minimum of 1–1/4" and limited to a run of 50' or less with not over 270 degrees in bends. Only Power Dept. conductors will be permitted in metering conduit.
7. Exposed conduit for the source service lateral shall not extend more than 5'–6" or less than 1'–0" into building.
8. When exposed to weather, cabinet shall be raintight.
9. Where current transformers or other equipment is installed in a location where it might be struck by a motorized vehicle, the customer is to install and maintain approved barrier posts to protect the equipment.
10. Mounting base for C.T.'s must be rated for available fault current.
11. Bonding jumpers shall be used around concentric or eccentric knockouts that are punched or otherwise formed so as to impair the electrical connections to ground.
12. Grounding conductors, encased in IMC or rigid conduit, as required by NEC to 8 foot ground rod(s).
13. If circumstances prevent adherence to these standard methods, the Customer or contractor is refereed to the local business office for determination of alternatives.

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Line Extension Policy

LINE EXTENSION POLICY

I. Application

This Line Extension Policy is applicable for all service requirements located in the City at points where existing electrical facilities do not exist or exist but lack adequate capacity to properly serve a proposed load.

II. Extension of Distribution Lines

A. Any person or persons, including any subdivider or developer, desiring to have electrical distribution lines extended or modified, and being willing to advance the whole expense of such extension or modification, may make application to the city by providing:

1. A description of the proposed extension or modification accompanied by a map showing the location thereof. For a commercial project include electrical load information in sufficient detail to provide the City with full knowledge of the electrical load requirements. For a residential subdivision include a plat showing the location and number of homes to be served by the line extension.

2. An offer to pay the whole expense incurred by the City in providing such extension or modification and to advance such payment as said expense shall be agreed upon by the applicant and the City.

B. Upon receipt of said application, and before the application is granted, the City shall:

1. Obtain from the Superintendent a certified statement showing the estimated cost and expense of making such an extension or modification.

2. Obtain from the Engineer and Superintendent a certified statement showing that the electrical facilities have adequate capacity to serve the proposed load(s).

3. If adequate capacity is not available to serve the proposed load, prepare an estimate of the cost of the line extension required to serve the proposed load.

4. The estimate shall be based on the full cost of the required line extension. The applicant shall only be required to pay for the minimum line size required to serve the applicant's load (as required by City Standards). The City may choose to install a line of larger capacity; however, the "upgrade" portion of the cost will be paid by the City.

5. The applicant shall not be entitled to any reimbursements if additional customer(s) are served by the City from the facilities installed under the line extension.

C. The City may grant or deny said application as in its discretion seems best for the welfare of existing users in the City.

D. All line extensions will be designed and constructed in compliance with the City Standards.

III. Deposit with City Treasurer

If the City grants said application, the Applicant and the City shall execute said agreement and the Applicant shall deposit with the City Treasurer 100% of the estimated cost of material for making such extension or modification as certified by the Superintendent before any work shall be done on such extension or modification, and within thirty (30) days after the granting of said application, or such other time as the City shall indicate. The Applicant will be billed for labor used for the extension after completion of the project, payment in full will be due at this time.

Since the deposit is based on an estimate of the cost of the work to be completed, at the completion of the proposed work, the Applicant shall pay the City any additional money required, or the City shall reimburse the Applicant any excess money received, so that the Applicant will pay the City for the actual cost

associated with the proposed work.

IV. Right-of-Way or Easements

Before any work shall be done on said extension or modification, the Applicant shall furnish at no cost to the City adequate rights-of-way or easements, in the name of the City, for construction and perpetual maintenance and replacement of said extension or modification.

V. Applicant's Responsibilities

A. The Applicant shall be responsible to facilitate the extension or modification of electrical distribution lines by:

Commercial:

1. Planning the installation of utilities to the site to be served to preclude conflict between other utilities and the electrical distribution lines.
2. Scheduling and coordinating the actual installation of improvements to allow adequate time for construction of electrical distribution lines.
3. Notifying the Santa Clara City Power Superintendent upon completion of adequate site preparation to allow installation of electrical distribution lines.

Residential:

1. Providing adequate plat data to the Power Superintendent so the Power Department can plan the installation.
2. Scheduling and coordinating the actual installation of improvements to allow adequate time for construction of electrical distribution lines.
3. Notifying the Santa Clara City Power Superintendent upon completion of adequate site preparation to allow installation of electrical distribution lines.

VI. *Site Preparation*

A. The Applicant shall prepare the site for electrical distribution line installation before notifying Santa Clara City to install said lines. Site preparation shall include but not be limited to:

1. Installation of curb and gutter indicating permanent grade.
2. Markers installed on curb indicating property lines.
3. Grading the area extending from property side of sidewalk away from the street for ten (10) feet leveled to final grade.
4. Identify utilities installed less than four (4) feet below final grade and extending beyond the property line more than twelve (12) inches.

VII. *Ownership of Extension or Modification*

Any such extension or modification shall be deemed the property of Santa Clara City.

VIII. *Estimated Line Extension Cost*

For ***minor*** line extension or modifications, the costs given in Tables 1 and 2 shall be used for estimation purposes as described in paragraph II. For large line extensions or modifications, cost estimates will have to be prepared on a project specific basis.

These costs given in Tables 1 and 2 are based on normal construction conditions. These values will be modified appropriately for special or abnormal conditions or requirements which may exist at the proposed construction site.

Table 1
Overhead Construction Estimated Costs

Item	Appendix Table	Construction Unit Cost ($)
Secondary (#1/0 Triplex 0-100')**	OH-01	510.00
Secondary (#4/0 Triplex 0-100')**	OH-02	672.00
Secondary (#4/0 Quadraplex 0-100')**	OH-03	758.00
Down Guy and Anchor	OH-04	1,168.00
Pole Mount Transformers		
5 kVA Transformer (Single Phase)	OH-05	2,049.00
10 kVA Transformer (Single Phase)	OH-06	2,739.00
15 kVA Transformer (Single Phase)	OH-07	2,874.00
25 kVA Transformer (Single Phase)	OH-08	3,074.00
50 kVA Transformer (Single Phase)	OH-09	4,129.00
75 kVA Transformer (Single Phase)	OH-10.1	4,454.00
100 kVA Transformer (Single Phase)	OH-10.2	4,784.00
(2) 25 kVA Transformer (V Phase)	OH-11	6,835.00
(3) 25 kVA Transformer (Three Phase)	OH-12	9,345.00
(3) 50 kVA Transformer (Three Phase)	OH-13	11,895.00
(3) 75 kVA Transformer (Three Phase)	OH-14	12,870.00
Single Phase Pole Top Assemblies		
Pole Ground Assembly Butt Wrap	OH-15	200.00
Pole Ground Assembly W/ Ground Rod	OH-16	193.00
Single Phase Primary Support (A1)	OH-17	320.00
Single Phase Primary Support <20 Deg. (A2)	OH-18	279.00
Single Phase Primary Support <20 60 Deg. (A3))	OH-19	389.00
Single Phase Primary D.D.E. 60-90 Deg. (A4)	OH-20	505.00
Single Phase Primary Deadend (A5)	OH-21	318.00
Single Phase Primary Deadend W/ X-arm	OH-22	1,012.00
Three Phase Pole Top Assemblies		
Three Phase Primary Support (C1.11)	OH-23	592.00
Three Phase Primary Heavy-Duty Support (C2.21L)	OH-24	1,031.00
Three Phase Primary Double Arm Pin (C2.21)	OH-25	1,186.00
Three Phase Primary Running Angle (C3.1)	OH-26	843.00
Three Phase Primary Running Angle W/ Brackets (C3-1L)	OH-27	982.00
Three Phase Primary 2-way Vertical Deadend 60-90 Deg. (C4.1G)	OH-28	1,968.00
Three Phase Primary Vertical Deadend (C5-1)	OH-29	1,298.00
Three Phase Primary Deadend (C5.21)	OH-30	1,372.00
Single Phase Primary Conductor		
#2 ACSR (per 100') **	OH-31	171.00
#1/0 ACSR (per 100') **	OH-32	183.00
#4/0 ACSR (per 100') **	OH-33	226.00
Three Phase Primary Conductor		
(#1/0 ACSR) (per 100') **	OH-34	369.00
(#4/0 ACSR) (per 100') **	OH-35	497.00
(#397 ACSR) (per 100')**	OH-36	797.00
(#477 ACSR) (per 100') **	OH-37	1,097.00
Poles		
35'Pole	OH-38.1	1,401.00
40'Pole	OH-38.2	1,568.00
45' Pole	OH-39	1,793.00
50' Pole	OH-40	2,477.00
55' Pole	OH-41	2,765.00
60' Pole	OH-42	3,094.00

**Due to market fluctuations, prices should be verified at the time of the estimate preparation.

Table 2
Underground Construction Estimated Costs

Item	Appendix Table	Construction Unit Cost ($)
Secondary (#1/0 Triplex Cable, per Foot)**	UG-01	3.43
Secondary (#4/0 Triplex Cable, per Foot)**	UG-02	4.30
Secondary (3-350 kcmil)**	UG-03	7.38
Secondary (3-500 kcmil)**	UG-04	14.41
Elbow Termination –(Singele Phase)	UG-05.1	189.00
Elbow Termination –Per Phase (UM-3-1)	UG-05.2	536.00
Pad Mount Transformers		
Padmount Transformer 25 kVA (1Ø) (UG-7B-25)	UG-06	4496.00
Padmount Transformer 37.5 kVA (1Ø) (UG-7B-37)	UG-07	4596.00
Padmount Transformer 50 kVA (1Ø) (UG-7B-50)	UG-08	5,137.47
Padmount Transformer 75 kVA (1Ø)	UG-09.1	5,658.00
Padmount Transformer 100 kVA (1Ø)	UG-09.2	7,273.00
Padmount Transformer 75 kVA (3Ø)	UG-10	14,907.00
Padmount Transformer 112.5 kVA (3Ø) (UG-17-112.5)	UG-11	17,355.00
Padmount Transformer 225 kVA (3Ø)	UG-12	38,755.00
Padmount Transformer 300 kVA (3Ø)	UG-13	46,534.00
Padmount Transformer 500 kVA (3Ø)	UG-14.1	54,117.00
Padmount Transformer 750 kVA (3Ø)	UG-14.2	58,317.00
Padmount Transformer 1000 kVA (3Ø)	UG-14.3	60,317.00
Padmount Transformer 1500 kVA (3Ø)	UG-14.4	84,377.00
Padmount Transformer 2000 kVA (3Ø)	UG-14.5	124,627.00
Riser Assemblies		
Single Phase Secondary Riser (no pole)	UG-15	1194.65
Single Phase Riser (UM2) (no pole)	UG-16	2,237.00
Single Phase Riser with Cutout on X-arm (no ole)	UG-17	2,141.00
Three Phase Riser(no pole)	UG-18	3,854.00
Trenching & Conduits		
Trenching in Good Soil (2'w X 3'd, per Foot)	UG-19	2.30
Trenching and Backfilling in Good Soil (2'w X 3'd, per Foot)	UG-20	4.55
Trenching and Backfilling in Good Soil (2'w X 4'd, per Foot)	UG-21	6.08
Single Conduit (1) 2" Duct (per Foot) (no trenching)	UG-22	5.29
Single Conduit (1) 3" Duct (per Foot) (no trenching)	UG-23	10.10
Single Conduit (1) 4" Duct (per Foot) (no trenching)	UG-24	12.80
Three Conduits (3) 3” Ducts (per Foot) (includes trenching)	UG-25	35.30
15kV Primary Cable		
Single Phase Primary Cable - #2 Al. (per Foot)**	UG-26	5.60
Single Phase Primary Cable - #1/0 Al (per Foot) **	UG-27	6.10
Single Phase Primary Cable - #2/0 Al (per Foot) **	UG-28	7.00
Single Phase Primary Cable - #4/0 Al (per Foot) **	UG-29	8.08
Three Phase Primary Cable - #1/0 Al. (per Foot)**	UG-30	15.80
Three Phase Primary Cable #4/0 Al. (per Foot)**	UG-31	21.05
Three Phase Primary Cable #350 Al. (per Foot)**	UG-32	22.50
Three Phase Primary Cable #500 Al. (per Foot)**	UG-33	24.05
Three Phase Primary Cable #750 Al. (per Foot)**	UG-34	33.65
Switchgear, Ground Sleeves & Vaults		
PME-9 Switchgear without Precast Vault	UG-35	29,134.00
PME-10 Switchgear without Pre-cast Vault	UG-36	29,500.00
PME-11 Switchgear without Pre-cast Vault	UG-37	29,956.00
Precast Vault for PME Switchgear	UG-38.1	7,100.00
Fiberglass Vault For PMH	UG-08.2	2,514.00
Ground Sleeve 1ø 200A with Junctions	UG-39	2,977.00
Ground Sleeve 3ø 200A with Junctions	UG-40	5,378.00
Ground Sleeve 3ø 600A with Junctions	UG-41	11,082.00
Secondary J-box	UG-42	523.00

**Due to market fluctuations, prices should be verified at the time of the estimate preparation.

Appendix 1 - Connection Fees

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table RCF-01
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION - - New Point of Delivery					CODE B (Design Development)		
Regular Residential Overhead Customer 200A Service (Conductor and Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#1/0 Triplex (0-100')	1	LS	4.00	4.00	205.00	205.00	505.00
Conductor Fittings and Hardware	1	LS	1.00	1.00	46.00	46.00	121.00
Equipment/Trucks	1.5	LS	0.00	0.00	80.00	120.00	120.00
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
Single Phase Meter	1	EA	1.00	1.00	196.00	196.00	271.00
Subtotal				6.00		567.00	
Labor Rate	75.00			450.00			
Subtotal Labor				450.00			450.00
Subtotal Material						567.00	567.00
TOTAL ESTIMATE							1017.00

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table RCF-02
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION - - New Point of Delivery					CODE B (Design Development)		
Regular Residential Overhead Customer 400A Service (Conductor and Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
4/0 Triplex (0-100')	1	LS	4.00	4.00	292.00	292.00	592.00
Conductor Fittings and Hardware	1	LS	2.00	2.00	46.00	46.00	196.00
Equipment/Trucks	1.7	LS	0.00	0.00	80.00	136.00	136.00
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
Single Phase Meter	1	EA	1.00	1.00	196.00	196.00	271.00
Subtotal				7.00		670.00	
Labor Rate	75.00			525.00			
Subtotal Labor				525.00			525.00
Subtotal Material						670.00	670.00
TOTAL ESTIMATE							1195.00

FEE ESTIMATE			DATE PREPARED:	12/12/23	Table RCF-03		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Underground) 200 Amp Service					CODE A (Schematic Design)		
UNIT DESCRIPTION - - New Point of Delivery					CODE B (Design Development)		
All-Electric Underground Residential Customer Service (Connections & Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#1/0 Triplex (By Customer)	0	LF	0	0	0	0	0
Conductor Fittings & Hardware	1	LS	1	1	84	84	159
Single Phase Meter	1	EA	1	1	196	196	271
Trencher & Pickup Trucks	0.7	LS	0	0	80	56	56
Service Dome	1	EA	1.5	1.5	160	160	272.5
Subtotal				3.5		496	
Labor Rate	75.00			262.50			
Subtotal Labor				262.50			262.50
Subtotal Material						496.00	496.00
TOTAL ESTIMATE							758.50

FEE ESTIMATE			DATE PREPARED:	12/12/23	Table RCF-04		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Underground) 400 Amp Service					CODE A (Schematic Design)		
UNIT DESCRIPTION - - New Point of Delivery					CODE B (Design Development)		
All-Electric Underground Residential Customer Service (Connections & Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#4/0 Triplex (By Customer)	0	LF	0	0	0	0	0
Conductor Fittings & Hardware	1	LS	1.5	1.5	84	84	196.5
Single Phase Meter	1	EA	1	1	196	196	271
Trencher & Pickup Trucks	1	LS	0	0	80	80	80
Service Dome	1	EA	1.5	1.5	160	160	272.5
Subtotal				4		520	
Labor Rate	75.00			300.00			
Subtotal Labor				300.00			300.00
Subtotal Material						520.00	520.00
TOTAL ESTIMATE							820.00

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table RCF-05
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
Existing Delivery Point Reconnection with Existing Regular Residential Meter					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Single Phase Meter	1	EA	1.00	1.00	0.00	0.00	75.00
Equipment/Trucks	0.5	LS	0.00	0.00	40.00	20.00	20.00
Subtotal				1.00		20.00	
Avg. Labor Rate (3 Man Crew)	75.00			75.00			
Subtotal Labor				75.00			75.00
Subtotal Material						20.00	20.00
TOTAL ESTIMATE							95.00

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table RCF-06
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
Existing Delivery Point Reconnection with New Regular Residential Meter					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Single Phase Meter	1	EA	1.25	1.25	196.00	196.00	289.75
Equipment/Trucks	0.5	LS	0.00	0.00	40.00	20.00	20.00
Subtotal				1.25		216.00	
Avg. Labor Rate (3 Man Crew)	75.00			93.75			
Subtotal Labor				93.75			93.75
Subtotal Material						216.00	216.00
TOTAL ESTIMATE							309.75

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-01
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Commercial Overhead Customer 1-Phase 200A Service (Conductor and Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#4/0 Triplex (0-100')	1	LS	4.00	4.00	205.00	205.00	505.00
Conductor Fittings and Hardware	1	LS	1.00	1.00	46.00	46.00	121.00
Equipment/Trucks	1.5	LS	0.00	0.00	80.00	120.00	120.00
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
Single Phase Meter	1	EA	1.00	1.00	196.00	196.00	271.00
Subtotal				6.00		567.00	
Labor Rate	75.00			450.00			
Subtotal Labor				450.00			450.00
Subtotal Material						567.00	567.00
TOTAL ESTIMATE							$1,017.00

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-02
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Commercial Overhead 1 Phase Customer 400A Service (Conductor and Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
4/0 Triplex (0-100')	1	LS	4.00	4.00	292.00	292.00	592.00
Conductor Fittings and Hardware	1	LS	2.00	2.00	46.00	46.00	196.00
Equipment/Trucks	1.7	LS	0.00	0.00	80.00	136.00	136.00
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
Single Phase Meter	1	EA	1.00	1.00	196.00	196.00	271.00
Subtotal				7.00		670.00	
Labor Rate	75.00			525.00			
Subtotal Labor				525.00			525.00
Subtotal Material						670.00	670.00
TOTAL ESTIMATE							$1,195.00

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-03
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Overhead Customer 200A Service (Conductor and Meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#4/0 Quadplex (0-100')	1	LS	4.00	4.00	378.00	378.00	678.00
Conductor Fittings and Hardware	1	LS	2.50	2.50	65.00	65.00	252.50
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
Equipment/Trucks	2.0	LS	0.00	0.00	80.00	160.00	160.00
Three Phase Meter	1	EA	2.50	2.50	495.00	495.00	682.50
Subtotal				9.00		1098.00	
Labor Rate	75.00			675.00			
Subtotal Labor				675.00			675.00
Subtotal Material						1098.00	1098.00
TOTAL ESTIMATE							$1,773.00

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-04
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Overhead Customer 400A Service (Conductor and self-contained meter)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#350 Quadplex (0-100')	1	LS	4.50	4.50	450.00	450.00	787.50
Conductor Fittings and Hardware	1	LS	3.00	3.00	65.00	65.00	290.00
Equipment/Trucks	2.2	LS	0.00	0.00	80.00	176.00	176.00
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
Misc. Materials	1	LS	2	2	75	75	225.00
Three Phase Meter	1	EA	3.50	3.50	495.00	495.00	757.50
Subtotal				13.00		1261.00	
Labor Rate	75.00			975.00			
Subtotal Labor				975.00			975.00
Subtotal Material						1261.00	1261.00
TOTAL ESTIMATE							$2,236.00

FEE ESTIMATE			DATE PREPARED:	12/12/23	Table CCF-05	
PROJECT					BASIS FOR ESTIMATE	
SANTA CLARA CITY - Connection Fee (Underground) 200 Amp Service					CODE A (Schematic Design)	
DESCRIPTION					CODE B (Design Development)	
1-Phase Underground Commercial Customer Service (Cond. & Meter)					CODE C (Final Design) 100%	
ENGINEER : ICPE					OTHER - Fee Development	
	ESTIMATOR: BG				CHECKED BY: M.Velarde	
	QUANTITY		LABOR (MH)		MATERIAL ($)	TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#1/0 Triplex (By Customer)	0	LF	0	0	0	0	0
Conductor Fittings & Hardware	1	LS	1	1	84	84	159
Single Phase Meter	1	EA	1	1	196	196	271
Trencher & Pickup Trucks	0.7	LS	0	0	80	56	56
Service Dome	1	EA	1.5	1.5	160	160	272.5
Subtotal				3.5		496	
Labor Rate	75.00			262.50			
Subtotal Labor				262.50			262.50
Subtotal Material						496.00	496.00
TOTAL ESTIMATE							$758.50

FEE ESTIMATE			DATE PREPARED:	12/12/23	Table CCF-06	
PROJECT					BASIS FOR ESTIMATE	
SANTA CLARA CITY - Connection Fee (Underground) 400 Amp Service					CODE A (Schematic Design)	
DESCRIPTION					CODE B (Design Development)	
1-Phase Underground Commercial Customer Service (Cond. & Meter)					CODE C (Final Design) 100%	
ENGINEER : ICPE					OTHER - Fee Development	
	ESTIMATOR: BG				CHECKED BY: M.Velarde	
	QUANTITY		LABOR (MH)		MATERIAL ($)	TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#1/0 Triplex (By Customer)	0	LF	0	0	0	0	0
Conductor Fittings & Hardware	1	LS	1.5	1.5	84	84	196.5
Single Phase Meter	1	EA	1	1	196	196	271
Trencher & Pickup Trucks	1	LS	0	0	80	80	80
Service Dome	1	EA	1.5	1.5	160	160	272.5
Subtotal				4		520	
Labor Rate	75.00			300.00			
Subtotal Labor				300.00			300.00
Subtotal Material						520.00	520.00
TOTAL ESTIMATE							$820.00

FEE ESTIMATE			DATE PREPARED:		12/12/23		Table CCF-07
PROJECT SANTA CLARA CITY - Connection Fee (Underground) 200 Amp Service					BASIS FOR ESTIMATE CODE A (Schematic Design)		
DESCRIPTION Small 3-Phase Comm. Underground Customer Service (Cond. & Meter)					CODE B (Design Development) CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#1/0 Quadraplex (By Customer)	0	LF	0	0	0	0	0
Conductor Fittings & Hardware	1	LS	2.5	2.5	135	135	322.5
PolyPhase Meter	1	EA	1	1	496	496	571
Trencher	0.8	LS	0	0	80	64	64
Pickup Truck	1.2	LS	0	0	80	96	96
Service Dome	1	EA	1.5	1.5	160	95	207.5
Subtotal				5		886	
Labor Rate	75.00			375.00			
Subtotal Labor				375.00			375.00
Subtotal Material						886.00	886.00
TOTAL ESTIMATE							$1,261.00

FEE ESTIMATE			DATE PREPARED:		12/12/23		Table CCF-08
PROJECT SANTA CLARA CITY - Connection Fee (Underground)					BASIS FOR ESTIMATE CODE A (Schematic Design)		
UNIT DESCRIPTION 3-Phase Comm. Underground 400A Service (Cond. & Self Contained Meter)					CODE B (Design Development) CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#4/0 Triplex (By Customer)	0	LS	0	0	0	0	0.00
Conductor Fittings & Hardware	1	LS	2.5	2.5	135	135	322.50
1-2" PVC Conduit (By Customer)	0	LS	0	0	0	0	0.00
Trenching and Backfill	1	LS	0	0	80	80	80.00
Equipment/Trucks	2.5	LS	0	0	80	200	200.00
Three Phase Meter	1	EA	1.5	1.5	495	495	607.50
Service Dome	1	EA	1.5	1.5	160	95	207.50
Subtotal				5.5		910	
Labor Rate	75.00			412.50			
Subtotal Labor				412.50			412.50
Subtotal Material						910.00	910.00
TOTAL ESTIMATE							$1,322.50

FEE ESTIMATE			DATE PREPARED:		12/12/23		Table CCF-09
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Commercial Underground 800A Service					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
4-500 kcmil Conductors (by Customer	0	LS	0	0	0	0	0.00
Conductor Fittings and Hardware	1	LS	2.5	2.5	107	107	294.50
1-4" PVC Conduit	0	LS	0	0	0	0	0.00
Trenching and Backfill	1	LS	1.5	1.5	80	80	192.50
Equipment/Trucks	6.5	LS	0	0	80	520	520.00
Meter Base - (By Owner)	0	EA	0	0	0	0	0.00
CT's	3	EA	2	6	166	498	498.00
Misc. Materials	1	LS	1	1	50	50	50.00
Three Phase Meter	1	EA	3.5	3.5	495	495	757.50
Subtotal				14.5		1750	
Labor Rate	75.00			1087.50			
Subtotal Labor				1087.50			1087.50
Subtotal Material						1750.00	1750.00
TOTAL ESTIMATE							$2,837.50

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-10
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
Existing Point of Delivery Connection -- with existing Regular Commercial Meter					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Single Phase Meter	1	EA	1.50	1.50	0.00	0.00	112.50
Equipment/Trucks	0.5	LS	0.00	0.00	80.00	40.00	40.00
Subtotal				1.50		40.00	
Avg. Labor Rate (3 Man Crew)	75.00			112.50			
Subtotal Labor				112.50			112.50
Subtotal Material						40.00	40.00
TOTAL ESTIMATE							$152.50

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-11
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
Existing Point of Delivery Connection -- with new Regular Commercial Meter Installation					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Single Phase Meter	1	EA	1.50	1.50	196.00	196.00	308.50
Equipment/Trucks	0.5	LS	0.00	0.00	80.00	40.00	40.00
Subtotal				1.50		236.00	
Avg. Labor Rate (3 Man Crew)	75.00			112.50			
Subtotal Labor				112.50			112.50
Subtotal Material						236.00	236.00
TOTAL ESTIMATE							$348.50

FEE ESTIMATE			DATE PREPARED:		12/12/2023		Table CCF-12
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
Existing Point of Delivery Connection -- Existing Commercial 3 Phase Meter Connection					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: M.Velarde		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Three Phase Meter	1	EA	1.50	1.50	0.00	0.00	112.50
Equipment/Trucks	0.5	LS	0.00	0.00	80.00	40.00	40.00
Subtotal				1.50		40.00	
Avg. Labor Rate (3 Man Crew)	75.00			112.50			
Subtotal Labor				112.50			112.50
Subtotal Material						40.00	40.00
TOTAL ESTIMATE							$152.50

FEE ESTIMATE			DATE PREPARED:	12/12/2023		Table CCF-13
PROJECT SANTA CLARA CITY - Connection Fee (Overhead)					BASIS FOR ESTIMATE CODE A (Schematic Design)	
DESCRIPTION Existing Point of Delivery Connection -- Regular Commercial 3 Phase Meter Installation					CODE B (Design Development) CODE C (Final Design) 100%	
ENGINEER : ICPE					OTHER - Fee Development	
	ESTIMATOR: BG				CHECKED BY: M.Velarde	
	QUANTITY		LABOR (MH)		MATERIAL ($)	TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Three Phase Meter	1	EA	1.50	1.50	495.00	495.00	607.50
Equipment/Trucks	0.5	LS	0.00	0.00	80.00	40.00	40.00
Subtotal				1.50		535.00	
Avg. Labor Rate (3 Man Crew)	75.00			112.50			
Subtotal Labor				112.50			112.50
Subtotal Material						535.00	535.00
TOTAL ESTIMATE							$647.50

Appendix 2 - Line Extension Costs

Overhead

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-01
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
1/0 Triplex Secondary					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.030	3.00	2.05	205	430.00
Equipment/Truck	1	LS	0.000	0.00	80.00	80	80.00
Subtotal				3.00		285.00	
Labor Rate	75.00			$225.00			
Subtotal Labor				$225.00			$225.00
Subtotal Material						$285.00	$285.00
TOTAL ESTIMATE							$510.00

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-02
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
4/0 Triplex Secondary					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.040	4.00	2.92	292	592.00
Equipment/Truck	1	LS	0.000	0.00	80.00	80	80.00
Subtotal				4.00		372.00	
Labor Rate	75.00			$300.00			
Subtotal Labor				$300.00			$300.00
Subtotal Material						$372.00	$372.00
TOTAL ESTIMATE							$672.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-03
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
4/0 Quadraplex Secondary					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.040	4.00	3.78	378	678.00
Equipment/Truck	1	LS	0.000	0.00	80.00	80	80.00
Subtotal				4.00		458.00	
Labor Rate	75.00			$300.00			
Subtotal Labor				$300.00			$300.00
Subtotal Material						$458.00	$458.00
TOTAL ESTIMATE							$758.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-04
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Guy and Anchor					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	6.5	6.50	357.70	357.70	845.20
Misc. Hardware	1	LS	0.0	0.00	219.00	219.00	219.00
Equipment/Truck	1.3	LS		0.00	80.00	104.00	104.00
Subtotal				6.50		680.70	
Labor Rate	75.00			$487.50			
Subtotal Labor				$487.50			$487.50
Subtotal Material						$680.70	$680.70
TOTAL ESTIMATE							$1,168.20

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-05	
PROJECT					BASIS FOR ESTIMATE			
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)			
DESCRIPTION					CODE B (Design Development)			
Single Phase Transformer Installation - 5 kVA					CODE C (Final Design) 100%			
ENGINEER : ICPE					OTHER - Fee Development			
	ESTIMATOR: R. Hansen				CHECKED BY:			
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	5.00	5.00	375.00	750.00	$750.00	$1,125.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	99.00	$99.00	$174.00
Subtotal				9.0	$675.00		$1,134.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$675.00			$675.00
Subtotal Material							$1,134.50	$1,134.50
Equipment/Truck	3.00					$80.00	$240.00	$240.00
TOTAL ESTIMATE								$2,049.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-06	
PROJECT					BASIS FOR ESTIMATE			
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)			
DESCRIPTION					CODE B (Design Development)			
Single Phase Transformer Installation - 10 kVA					CODE C (Final Design) 100%			
ENGINEER : ICPE					OTHER - Fee Development			
	ESTIMATOR: BG				CHECKED BY: MRV			
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	5.00	5.00	375.00	1440.00	$1,440.00	$1,815.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	99.00	$99.00	$174.00
Subtotal				9.0	$675.00		$1,824.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$675.00			$675.00
Subtotal Material							$1,824.50	$1,824.50
Equipment/Truck	3.00					$80.00	$240.00	$240.00
TOTAL ESTIMATE								$2,739.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-07
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Single Phase Transformer Installation - 15 kVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	5.00	5.00	375.00	1575.00	$1,575.00	$1,950.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	99.00	$99.00	$174.00
Subtotal				9.0	$675.00		$1,959.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$675.00			$675.00
Subtotal Material							$1,959.50	$1,959.50
Equipment/Truck	3.00					$80.00	$240.00	$240.00
TOTAL ESTIMATE								$2,874.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-08
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Single Phase Transformer Installation - 25 kVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	5.00	5.00	375.00	1775.00	$1,775.00	$2,150.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	99.00	$99.00	$174.00
Subtotal				9.0	$675.00		$2,159.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$675.00			$675.00
Subtotal Material							$2,159.50	$2,159.50
Equipment/Truck	3.00					$80.00	$240.00	$240.00
TOTAL ESTIMATE								$3,074.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-09
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
Single Phase Transformer Installation - 50 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)	TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	7.00	7.00	525.00	2625.00	$2,625.00	$3,150.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	114.00	$114.00	$189.00
Subtotal				11.0	$825.00		$3,024.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$825.00			$825.00
Subtotal Material							$3,024.50	$3,024.50
Equipment/Truck	3.50					$80.00	$280.00	$280.00
TOTAL ESTIMATE								$4,129.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-10.1
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Single Phase Transformer Installation - 75 kVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	7.00	7.00	525.00	2950.00	$2,950.00	$3,475.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	114.00	$114.00	$189.00
Subtotal				11.0	$825.00		$3,349.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$825.00			$825.00
Subtotal Material							$3,349.50	$3,349.50
Equipment/Truck	3.50					$80.00	$280.00	$280.00
TOTAL ESTIMATE								$4,454.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-10.2
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Single Phase Transformer Installation - 100 kVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	1	EA	7.00	7.00	525.00	3280.00	$3,280.00	$3,805.00
Cutout - 100 Amp & Fuse	1	EA	1.00	1.00	75.00	83.50	$83.50	$158.50
Arrester	1	EA	1.00	1.00	75.00	52.00	$52.00	$127.00
Cutout / Arrester Bracket	1	EA	1.00	1.00	75.00	150.00	$150.00	$225.00
Conductor, Hardware & Fittings	1	LS	1.00	1.00	75.00	114.00	$114.00	$189.00
Subtotal				11.0	$825.00		$3,679.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$825.00			$825.00
Subtotal Material							$3,679.50	$3,679.50
Equipment/Truck	3.50					$80.00	$280.00	$280.00
TOTAL ESTIMATE								$4,784.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-11
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
V- Phase Transformer Installation - 2-25 kVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	2	EA	7.00	14.00	1050.00	1775.00	$3,550.00	$4,600.00
Cutout - 100 Amp & Fuse	2	EA	1.00	2.00	150.00	83.50	$167.00	$317.00
Arrester	2	EA	1.00	2.00	150.00	52.00	$104.00	$254.00
Cutout / Arrester Bracket	2	EA	1.00	2.00	150.00	150.00	$300.00	$450.00
Conductor, Hardware & Fittings	1	LS	2.00	2.00	150.00	264.00	$264.00	$414.00
Subtotal				22.0	$1,650.00		$4,385.00	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$1,650.00			$1,650.00
Subtotal Material							$4,385.00	$4,385.00
Equipment/Truck	10.00					$80.00	$800.00	$800.00
TOTAL ESTIMATE								$6,835.00

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-12
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Three Phase Transformer Installation - 3-25 kVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	3	EA	7.00	21.00	1575.00	1775.00	$5,325.00	$6,900.00
Cutout - 100 Amp & Fuse	3	EA	1.00	3.00	225.00	83.50	$250.50	$475.50
Arrester	3	EA	1.00	3.00	225.00	52.00	$156.00	$381.00
Cutout / Arrester Bracket	3	EA	1.00	3.00	225.00	150.00	$450.00	$675.00
Conductor, Hardware & Fittings	1	LS	2.00	2.00	150.00	264.00	$264.00	$414.00
Subtotal				32.0	$2,400.00		$6,445.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$2,400.00			$2,400.00
Subtotal Material							$6,445.50	$6,445.50
Equipment/Truck	10.00					$50.00	$500.00	$500.00
TOTAL ESTIMATE								$9,345.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-13
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Three Phase Transformer Installation - 3-50 KVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	3	EA	7.00	21.00	1575.00	2625.00	$7,875.00	$9,450.00
Cutout - 100 Amp & Fuse	3	EA	1.00	3.00	225.00	83.50	$250.50	$475.50
Arrester	3	EA	1.00	3.00	225.00	52.00	$156.00	$381.00
Cutout / Arrester Bracket	3	EA	1.00	3.00	225.00	150.00	$450.00	$675.00
Conductor, Hardware & Fittings	1	LS	2.00	2.00	150.00	264.00	$264.00	$414.00
Subtotal				32.0	$2,400.00		$8,995.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$2,400.00			$2,400.00
Subtotal Material							$8,995.50	$8,995.50
Equipment/Truck	10.00					$50.00	$500.00	$500.00
TOTAL ESTIMATE								$11,895.50

FEE ESTIMATE			DATE PREPARED:			8/31/2023		Table OH-14
PROJECT						BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee						CODE A (Schematic Design)		
DESCRIPTION						CODE B (Design Development)		
Three Phase Transformer Installation - 3-75 KVA						CODE C (Final Design) 100%		
ENGINEER : ICPE						OTHER - Fee Development		
	ESTIMATOR: BG					CHECKED BY: MRV		
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Transformer	3	EA	7.00	21.00	1575.00	2950.00	$8,850.00	$10,425.00
Cutout - 100 Amp & Fuse	3	EA	1.00	3.00	225.00	83.50	$250.50	$475.50
Arrester	3	EA	1.00	3.00	225.00	52.00	$156.00	$381.00
Cutout / Arrester Bracket	3	EA	1.00	3.00	225.00	150.00	$450.00	$675.00
Conductor, Hardware & Fittings	1	LS	2.00	2.00	150.00	264.00	$264.00	$414.00
Subtotal				32.0	$2,400.00		$9,970.50	
Avg. Labor Rate (3 Man Crew)	$75.00							
Subtotal Labor					$2,400.00			$2,400.00
Subtotal Material							$9,970.50	$9,970.50
Equipment/Truck	10.00					$50.00	$500.00	$500.00
TOTAL ESTIMATE								$12,870.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-15
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Pole Ground Assembly Butt Wrap (H5.2)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	0.50	0.50	76.60	76.60	114.10
Misc. Hardware	1	LS	0.00	0.00	11.25	11.25	11.25
Subtotal				0.50		87.85	
Labor Rate	75.00			$37.50			
Subtotal Labor				$37.50			$37.50
Subtotal Material						$87.85	$87.85
TOTAL ESTIMATE							$125.35

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-16
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Pole Ground Rod Assembly (H1.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	1.00	1.00	74.10	74.10	149.10
Misc. Hardware	1	LS	0.00	0.00	7.00	7.00	7.00
Subtotal				1.00		81.10	
Labor Rate	75.00			$75.00			
Subtotal Labor				$75.00			$75.00
Subtotal Material						$81.10	$81.10
TOTAL ESTIMATE							$156.10

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-17
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Support (A1.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	1.50	1.50	62.00	62.00	174.50
Misc. Hardware	1	LS	1.00	1.00	10.80	10.80	85.80
Equipment/Trucks	0.75	LS	0.00	0.00	80.00	60.00	$60.00
Subtotal				2.50		132.80	
Labor Rate	75.00			$187.50			
Subtotal Labor				$187.50			$187.50
Subtotal Material						$132.80	$132.80
TOTAL ESTIMATE							$320.30

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-18
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Support <20 Deg.(A2.3)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	1.75	1.75	114.00	114.00	245.25
Misc. Hardware	1	LS	0.00	0.00	6.50	6.50	6.50
Equipment/Truck	0.4	LS	0.00	0.00	70.00	28.00	28.00
Subtotal				1.75		148.50	
Labor Rate	75.00			$131.25			
Subtotal Labor				$131.25			$131.25
Subtotal Material						$148.50	$148.50
TOTAL ESTIMATE							$279.75

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-19
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Running Angle 20-60 Deg.(A3.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	2.50	2.50	156.00	156.00	343.50
Misc. Hardware	1	LS	0.00	0.00	5.55	5.55	5.55
Equipment/Truck	0.5	LS	0.00	0.00	80.00	40.00	40.00
Subtotal				2.50		201.55	
Labor Rate	75.00			$187.50			
Subtotal Labor				$187.50			$187.50
Subtotal Material						$201.55	$201.55
TOTAL ESTIMATE							$389.05

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-20
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary D.D.E. 60-90 Deg.(A4.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	3.00	3.00	225.00	225.00	450.00
Misc. Hardware	1	LS	0.00	0.00	7.40	7.40	7.40
Equipment/Truck	0.6	LS	0.00	0.00	80.00	48.00	48.00
Subtotal				3.00		280.40	
Labor Rate	75.00			$225.00			
Subtotal Labor				$225.00			$225.00
Subtotal Material						$280.40	$280.40
TOTAL ESTIMATE							$505.40

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-21
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Deadend (A5.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	1.75	1.75	152.00	152	283.25
Misc. Hardware	1	LS	0.00	0.00	3.70	4	3.70
Equipment/Truck	0.4	LS	0.00	0.00	80.00	32	32.00
Subtotal				1.75		187.70	
Labor Rate	75.00			$131.25			
Subtotal Labor				$131.25			$131.25
Subtotal Material						$187.70	$187.70
TOTAL ESTIMATE							$318.95

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-22
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Deadend W/X-arm (A5.21)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	5.00	5.00	498.00	498.00	873.00
Misc. Hardware	1	LS	0.00	0.00	59.50	59.50	59.50
Equipment/Truck	1	LS	0.00	0.00	80.00	80.00	80.00
Subtotal				5.00		637.50	
Labor Rate	75.00			$375.00			
Subtotal Labor				$375.00			$375.00
Subtotal Material						$637.50	$637.50
TOTAL ESTIMATE							$1,012.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-23
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Support W/X-arm (C1.11)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	3.00	3.00	304.00	304.00	529.00
Misc. Hardware	1	LS	0.00	0.00	15.00	15.00	15.00
Equipment/Truck	0.6	LS	0.00	0.00	80.00	48.00	48.00
Subtotal				3.00		367.00	
Labor Rate	75.00			$225.00			
Subtotal Labor				$225.00			$225.00
Subtotal Material						$367.00	$367.00
TOTAL ESTIMATE							$592.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table OH-24

PROJECT
SANTA CLARA CITY - Connection Fee

UNIT DESCRIPTION
Three Phase Primary Heavy Duty Support W/X-arm (C2.21L)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Hardware and Fittings	1	LS	4.00	4.00	605.00	605.00	905.00
Misc. Hardware	1	LS	0.00	0.00	62.00	62.00	62.00
Equipmet/Truck	0.8	LS	0.00	0.00	80.00	64.00	64.00
Subtotal				4.00		731.00	
Labor Rate	75.00			$300.00			
Subtotal Labor				$300.00			$300.00
Subtotal Material						$731.00	$731.00
TOTAL ESTIMATE							$1,031.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table OH-25

PROJECT
SANTA CLARA CITY - Connection Fee

UNIT DESCRIPTION
Three Phase Primary Double Arm Pin(C2.21)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Hardware and Fittings	1	LS	5.00	5.00	661.00	661.00	1,036.00
Misc. Hardware	1	LS	0.00	0.00	70.25	70.25	70.25
Equipment/Truck	1	LS	0.00	0.00	80.00	80.00	80.00
Subtotal				5.00		811.25	
Labor Rate	75.00			$375.00			
Subtotal Labor				$375.00			$375.00
Subtotal Material						$811.25	$811.25
TOTAL ESTIMATE							$1,186.25

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-26
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Running Angle (C3.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	5.00	5.00	377.00	377.00	752.00
Misc. Hardware	1	LS	0.00	0.00	11.00	11.00	11.00
Equipment/Truck	1	LS	0.00	0.00	80.00	80.00	80.00
Subtotal				5.00		468.00	
Labor Rate	75.00			$375.00			
Subtotal Labor				$375.00			$375.00
Subtotal Material						$468.00	$468.00
TOTAL ESTIMATE							$843.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-27
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Running Angle W/ Brackets(C3.1L)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	5.00	5.00	516.50	516.50	891.50
Misc. Hardware	1	LS		0.00	11.00	11.00	11.00
Equipment/Truck	1	LS		0.00	80.00	80.00	
Subtotal				5.00		607.50	
Labor Rate	75.00			$375.00			
Subtotal Labor				$375.00			$375.00
Subtotal Material						$607.50	$607.50
TOTAL ESTIMATE							$982.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-28
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary 2-Way Vertical Deadend 60-90 Deg. (C4.1G)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	10.00	10.00	1036.00	1036.00	1,786.00
Misc. Hardware	1	LS	0.00	0.00	22.00	22.00	22.00
Equipment/Truck	2	LS	0.00	0.00	80.00	160.00	160.00
Subtotal				10.00		1218.00	
Labor Rate	75.00			$750.00			
Subtotal Labor				$750.00			$750.00
Subtotal Material						$1,218.00	$1,218.00
TOTAL ESTIMATE							$1,968.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-29
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Vertical Deadend (C5.1)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	5.00	10.00	377.00	377.00	1,127.00
Misc. Hardware	1	LS	0.00	0.00	11.00	11.00	11.00
Equipment/Truck	2	LS	0.00	0.00	80.00	160.00	160.00
Subtotal				10.00		548.00	
Labor Rate	75.00			$750.00			
Subtotal Labor				$750.00			$750.00
Subtotal Material						$548.00	$548.00
TOTAL ESTIMATE							$1,298.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-30
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Deadend (C5.21)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Hardware and Fittings	1	LS	10.00	10.00	441.00	441.00	1,191.00
Misc. Hardware	1	LS	0.00	0.00	21.50	21.50	21.50
Equipment/Truck	2	LS	0.00	0.00	80.00	160.00	160.00
Subtotal				10.00		622.50	
Labor Rate	75.00			$750.00			
Subtotal Labor				$750.00			$750.00
Subtotal Material						$622.50	$622.50
TOTAL ESTIMATE							$1,372.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-31
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Conductor (100' of #2 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.015	1.50	0.35	35.00	147.50
Equipment/Truck	0.3	LS	0.000	0.00	80.00	24.00	24.00
Subtotal				1.50		59.00	
Labor Rate	75.00			$112.50			
Subtotal Labor				$112.50			$112.50
Subtotal Material						$59.00	$59.00
TOTAL ESTIMATE							$171.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-32
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Conductor (100' of 1/0 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.015	1.50	0.47	47	159.50
Equipment/Truck	0.3	LS	0.000	0.00	80.00	24	24.00
Subtotal				1.50		71.00	
Labor Rate	75.00			$112.50			
Subtotal Labor				$112.50			$112.50
Subtotal Material						$71.00	$71.00
TOTAL ESTIMATE							$183.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-33
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Conductor (100' of 4/0 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.015	1.50	0.90	90	202.50
Equipment/Truck	0.3	LS	0.000	0.00	80.00	24	24.00
Subtotal				1.50		114.00	
Labor Rate	75.00			$112.50			
Subtotal Labor				$112.50			$112.50
Subtotal Material						$114.00	$114.00
TOTAL ESTIMATE							$226.50

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-34
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Conductor (100' of 1/0 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.025	2.50	1.42	142	329.50
Equipment/Truck	0.5	LS	0.000	0.00	80.00	40	40.00
Subtotal				2.50		182.00	
Labor Rate	75.00			$187.50			
Subtotal Labor				$187.50			$187.50
Subtotal Material						$182.00	$182.00
TOTAL ESTIMATE							$369.50

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-35
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Conductor (100' of 4/0 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.025	2.50	2.70	270	457.50
Equipment/Truck	0.5	LS	0.000	0.00	80.00	40	40.00
Subtotal				2.50		310.00	
Labor Rate	75.00			$187.50			
Subtotal Labor				$187.50			$187.50
Subtotal Material						$310.00	$310.00
TOTAL ESTIMATE							$497.50

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-36
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Conductor (100' of 397 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.025	2.50	5.70	570	757.50
Equipment/Truck	0.5	LS	0.000	0.00	80.00	40	40.00
Subtotal				2.50		610.00	
Labor Rate	75.00			$187.50			
Subtotal Labor				$187.50			$187.50
Subtotal Material						$610.00	$610.00
TOTAL ESTIMATE							$797.50

FEE ESTIMATE			DATE PREPARED:		8/31/2022		Table OH-37
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Primary Conductor (100' of 477 ACSR)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY:MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor	100	LS	0.025	2.50	8.70	870	1,057.50
Equipment/Truck	0.5	LS	0.000	0.00	80.00	40	40.00
Subtotal				2.50		910.00	
Labor Rate	75.00			$187.50			
Subtotal Labor				$187.50			$187.50
Subtotal Material						$910.00	$910.00
TOTAL ESTIMATE							$1,097.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-38.1
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
35' Western Cedar Pole					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
35' Western Cedar Pole	1	EA	7.000	7.00	764.00	764.0	1,289.00
Equipment/Truck	1.4	LS	0.000	0.00	80.00	112	112.00
Subtotal				7.00		876.00	
Labor Rate	75.00			$525.00			
Subtotal Labor				$525.00			$525.00
Subtotal Material						$876.00	$876.00
TOTAL ESTIMATE							$1,401.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-38.2
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
40' Western Cedar Pole					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
40' Western Cedar Pole	1	EA	7.000	7.00	931.00	931.0	1,456.00
Equipment/Truck	1.4	LS	0.000	0.00	80.00	112	112.00
Subtotal				7.00		1043.00	
Labor Rate	75.00			$525.00			
Subtotal Labor				$525.00			$525.00
Subtotal Material						$1,043.00	$1,043.00
TOTAL ESTIMATE							$1,568.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-39
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
45' Western Cedar Pole					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
45' Western Cedar Pole	1	EA	7.000	7.00	1156.00	1156.0	1,681.00
Equipment/Truck	1.4	LS	0.000	0.00	80.00	112	112.00
Subtotal				7.00		1268.00	
Labor Rate	75.00			$525.00			
Subtotal Labor				$525.00			$525.00
Subtotal Material						$1,268.00	$1,268.00
TOTAL ESTIMATE							$1,793.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-40
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
50' Western Cedar Pole					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
50' Western Cedar Pole	1	EA	7.000	7.00	1840.00	1840.0	2,365.00
Equipment/Truck	1.4	LS	0.000	0.00	80.00	112	112.00
Subtotal				7.00		1952.00	
Labor Rate	75.00			$525.00			
Subtotal Labor				$525.00			$525.00
Subtotal Material						$1,952.00	$1,952.00
TOTAL ESTIMATE							$2,477.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-41
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
55' Western Cedar Pole					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
55' Western Cedar Pole	1	EA	7.000	7.00	2128.00	2128.0	2,653.00
Equipment/Truck	1.4	LS	0.000	0.00	80.00	112	112.00
Subtotal				7.00		2240.00	
Labor Rate	75.00			$525.00			
Subtotal Labor				$525.00			$525.00
Subtotal Material						$2,240.00	$2,240.00
TOTAL ESTIMATE							$2,765.00

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table OH-42
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Connection Fee (Overhead)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
60' Western Cedar Pole					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: Daniel Velarde				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
60' Western Cedar Pole	1	EA	7.000	7.00	2457.00	2457.0	2,982.00
Equipment/Truck	1.4	LS	0.000	0.00	80.00	112	112.00
Subtotal				7.00		2569.00	
Labor Rate	75.00			$525.00			
Subtotal Labor				$525.00			$525.00
Subtotal Material						$2,569.00	$2,569.00
TOTAL ESTIMATE							$3,094.00

Underground

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-01		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
#1/0 Triplex Underground Secondary Installed in Conduit (Conductor Only)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#1/0 Triplex AL UG Secondary (0-100'	1	LF	0.01	0.01	2.05	2.05	2.73
Subtotal				0.01		2.05	
Labor Rate	75.00			$0.68			
Subtotal Labor				$0.68			$0.68
Subtotal Material						$2.05	$2.05
Equipment/Trucks	0.01	LF			$70.00	$0.70	$0.70
TOTAL ESTIMATE	(per foot)						$3.43

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-02		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
DESCRIPTION					CODE B (Design Development)		
#4/0 Triplex Underground Secondary Installed in Conduit (Conductor Only)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
#4/0 Triplex AL UG Secondary (0-100'	1	LF	0.01	0.01	2.92	2.92	3.60
Subtotal				0.01		2.92	
Labor Rate	75.00			$0.68			
Subtotal Labor				$0.68			$0.68
Subtotal Material						$2.92	$2.92
Equipment/Trucks	0.01	LF			$70.00	$0.70	$0.70
TOTAL ESTIMATE	(per foot)						$4.30

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-03

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

DESCRIPTION
3-#350 kcmil AL UG Sec. Installed in Conduit (Conductor Only)

ENGINEER : ICPE

ESTIMATOR: BG

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
3-# 350 kcmil AL Underground Secondary wire	1	LF	0.01	0.01	6.45	6.45	7.13
Subtotal				0.01		6.45	
Labor Rate	75.00			$0.68			
Subtotal Labor				$0.68			$0.68
Subtotal Material						$6.45	$6.45
Equipment/Trucks	0.01	LF			$70.00	$0.70	$0.70
TOTAL ESTIMATE	(per foot)						$7.83

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-04

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

DESCRIPTION
3-# 500 kcmil AL UG Sec. Installed in Conduit (Conductor Only)

ENGINEER : ICPE

ESTIMATOR: BG

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
3-# 500 kcmil AL Underground Secondary wire	1	LF	0.01	0.01	12.96	12.96	13.71
Subtotal				0.01		12.96	
Labor Rate	75.00			$0.75			
Subtotal Labor				$0.75			$0.75
Subtotal Material						$12.96	$12.96
Equipment/Trucks	0.01	LF			$70.00	$0.70	$0.70
TOTAL ESTIMATE	(per foot)						$14.41

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-05.1		
PROJECT SANTA CLARA CITY - Line Extension Fee (Underground)					BASIS FOR ESTIMATE CODE A (Schematic Design)		
UNIT DESCRIPTION ELBOW TERMINATION --Single Phase					CODE B (Design Development) CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
ELBOW TERMINATION (Per Phase)	1	EA	1.50	1.25	95.00	95.00	188.75
Subtotal				1.25		95.00	
Labor Rate	75.00			$93.75			
Subtotal Labor				$93.75			$93.75
Subtotal Material						$95.00	$95.00
TOTAL ESTIMATE							$188.75

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-05.2		
PROJECT SANTA CLARA CITY - Line Extension Fee (Underground)					BASIS FOR ESTIMATE CODE A (Schematic Design)		
UNIT DESCRIPTION ELBOW TERMINATION (UM-3-1) -- Three Phase Connection					CODE B (Design Development) CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
ELBOW TERMINATION (Three Phase)	3	EA	1.25	3.75	85.00	255.00	536.25
Subtotal				3.75		255.00	
Labor Rate	75.00			$281.25			
Subtotal Labor				$281.25			$281.25
Subtotal Material						$255.00	$255.00
TOTAL ESTIMATE							$536.25

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-06

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Single Phase Padmount 25kVA Transformer (UG 7B-25)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Conductor Hardware & Fittings	1	LS	3.00	3.00	205.00	205.00	430.00
Transformer	1	EA	4.00	4.00	2800.00	2800.00	3,100.00
Transformer Pad	1	EA	1.50	1.50	330.00	330.00	442.50
Load Break Elbow	2	EA	1.25	2.50	40.00	80.00	267.50
Equipment/Trucks	3.2	LS	0.00		$80.00	$256.00	$256.00
Subtotal				11.00		3671.00	
Labor Rate	75.00			$825.00			
Subtotal Labor				$825.00			$825.00
Subtotal Material						$3,671.00	$3,671.00
TOTAL ESTIMATE							$4,496.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-07

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Single Phase Padmount 37.5kVA Transformer (UG 7B-37.5)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Transformer	1	EA	4.00	4.00	2900.00	2900.00	3,200.00
Transformer Pad	1	EA	1.50	1.50	330.00	330.00	442.50
Load Break Elbows	2	EA	1.25	2.5	40.00	80.00	267.50
Conductor Hardware & Fittings	1	LS	3.00	3.00	205.00	205.00	430.00
Equipment/Trucks	3.2	LS	0.00	0.00	$80.00	$256.00	$256.00
Subtotal				11.00		3771.00	
Labor Rate	75.00			$825.00			
Subtotal Labor				$825.00			$825.00
Subtotal Material						$3,771.00	$3,771.00
TOTAL ESTIMATE							$4,596.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-08

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Single Phase Padmount 50kVA Transformer (UG 7B-50)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Transformer	1	EA	4.50	4.50	3250.00	3250.00	3,587.50
Transformer Pad	1	EA	1.50	1.50	430.00	430.00	542.50
Load Break Elbow	2	EA	1.25	2.50	40.00	80.00	267.50
Conductor Hardware & Fittings	1	LS	3.00	3.00	205.00	205.00	430.00
Equipment/Trucks	3.2	LS	0.00	0.00	$80.00	$256.00	$256.00
Subtotal				11.50		4221.00	
Labor Rate	75.00			$862.50			
Subtotal Labor				$862.50			$862.50
Subtotal Material						$4,221.00	$4,221.00
TOTAL ESTIMATE							$5,083.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-09.1
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Padmount Transformer Installation 75 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer	1	EA	4.50	4.50	3750.00	3750.00	4,087.50
Transformer Pad	1	EA	2.00	2.00	430.00	430.00	580.00
Load Break Elbow	2	EA	1.25	2.50	40.00	80.00	267.50
Conductor, Hardware & Fittings	1	LS	3.50	3.50	205.00	205.00	467.50
Equipment/Trucks	3.2	LS	0.00	0.00	80.00	256.00	256.00
Subtotal				12.50		4721.00	
Labor Rate	75.00			$937.50			
Subtotal Labor				$937.50			$937.50
Subtotal Material						$4,721.00	$4,721.00
TOTAL ESTIMATE							$5,658.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-09.2
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Padmount Transformer Installation 100 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer	1	EA	4.50	4.50	5500.00	5500.00	5,837.50
Transformer Pad	1	EA	2.00	2.00	500.00	500.00	650.00
Load Break Elbow	2	EA	1.25	2.50	40.00	80.00	267.50
Conductor, Hardware & Fittings	1	LS	3.50	3.50	0.00	0.00	262.50
Equipment/Trucks	3.2	LS	0.00	0.00	80.00	256.00	256.00
Subtotal				12.50		6336.00	
Labor Rate	75.00			$937.50			
Subtotal Labor				$937.50			$937.50
Subtotal Material						$6,336.00	$6,336.00
TOTAL ESTIMATE							$7,273.50

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-10

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Three Phase Padmount Transformer Installation 75 kVA

ENGINEER : ICPE

ESTIMATOR: BG

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Transformer	1	EA	6.00	6.00	11000.00	11000.00	11,450.00
Transformer Pad	1	EA	3.50	3.50	825.00	825.00	1,087.50
Load Break Elbow	6	EA	1.25	7.50	40.00	240.00	802.50
Bushing Insert	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor, Hardware & Fittings	1	LS	2.55	7.00	430.00	430.00	955.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				25.50		12995.00	
Labor Rate	75.00			$1,912.50			
Subtotal Labor				$1,912.50			$1,912.50
Subtotal Material						$12,995.00	$12,995.00
TOTAL ESTIMATE							$14,907.50

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-11

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Three Phase Padmount 112.5kVA Transformer (UG 17-112.5)

ENGINEER : ICPE

ESTIMATOR: BG

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Transformer Pad	1	EA	3.50	3.50	700.00	700.00	962.50
Transformer	1	EA	6.00	6.00	14000.00	14000.00	14,450.00
Load Break Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.00	3.00	303.00	303.00	528.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				21.50		15743.00	
Labor Rate	75.00			$1,612.50			
Subtotal Labor				$1,612.50			$1,612.50
Subtotal Material						$15,743.00	$15,743.00
TOTAL ESTIMATE							$17,355.50

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-12		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Padmount Transformer Installation 225 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer Pad	1	LS	4.50	4.50	700.00	700.00	1,037.50
Transformer	1	EA	8.00	8.00	35000.00	35000.00	35,600.00
Load Break Elbow	6	EA	1.24	7.44	40.00	240.00	798.00
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.00	3.00	402.00	402.00	627.00
Equipment/Trucks	5	LS	0.00	0.00	80.00	400.00	400.00
Subtotal				24.44		36922.00	
Labor Rate	75.00			$1,833.00			
Subtotal Labor				$1,833.00			$1,833.00
Subtotal Material						$36,922.00	$36,922.00
TOTAL ESTIMATE							$38,755.00

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-13		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Padmount Transformer Installation 300 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer Pad	1	EA	4.50	4.50	700.00	700.00	1,037.50
Transformer	1	EA	8.00	8.00	43000.00	43000.00	43,600.00
Load Break Elbow	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.00	3.00	402.00	402.00	627.00
Equipment/Trucks	5	LS	0.00	0.00	80.00	400.00	400.00
Subtotal				21.50		44922.00	
Labor Rate	75.00			$1,612.50			
Subtotal Labor				$1,612.50			$1,612.50
Subtotal Material						$44,922.00	$44,922.00
TOTAL ESTIMATE							$46,534.50

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-14.1

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Three Phase Padmount Transformer Installation 500 kVA

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Transformer Pad	1	LS	6.00	6.00	800.00	800.00	1,250.00
Transformer	1	EA	9.00	9.00	50000.00	50000.00	50,675.00
Loadbreak Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.50	5.00	402.00	402.00	777.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				29.00		51942.00	
Labor Rate	75.00			$2,175.00			
Subtotal Labor				$2,175.00			$2,175.00
Subtotal Material						$51,942.00	$51,942.00
TOTAL ESTIMATE							$54,117.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-14.2

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Three Phase Padmount Transformer Installation 750 kVA

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Transformer Pad	1	LS	6.00	6.00	1000.00	1000.00	1,450.00
Transformer	1	EA	9.00	9.00	54000.00	54000.00	54,675.00
Loadbreak Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.50	5.00	402.00	402.00	777.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				29.00		56142.00	
Labor Rate	75.00			$2,175.00			
Subtotal Labor				$2,175.00			$2,175.00
Subtotal Material						$56,142.00	$56,142.00
TOTAL ESTIMATE							$58,317.00

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-14.3		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Padmount Transformer Installation 1000 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer Pad	1	LS	6.00	6.00	1000.00	1000.00	1,450.00
Transformer	1	EA	9.00	9.00	56000.00	56000.00	56,675.00
Loadbreak Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.50	5.00	402.00	402.00	777.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				29.00		58142.00	
Labor Rate	75.00			$2,175.00			
Subtotal Labor				$2,175.00			$2,175.00
Subtotal Material						$58,142.00	$58,142.00
TOTAL ESTIMATE							$60,317.00

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-14.4		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Padmount Transformer Installation 1500 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer Pad	1	LS	6.00	6.00	1000.00	1000.00	1,450.00
Transformer	1	EA	9.00	9.00	80000.00	80000.00	80,675.00
Loadbreak Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.50	5.00	462.00	462.00	837.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				29.00		82202.00	
Labor Rate	75.00			$2,175.00			
Subtotal Labor				$2,175.00			$2,175.00
Subtotal Material						$82,202.00	$82,202.00
TOTAL ESTIMATE							$84,377.00

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-14.5		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Three Phase Padmount Transformer Installation 2000 kVA					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Transformer Pad	1	LS	6.00	6.00	1250.00	1250.00	1,700.00
Transformer	1	EA	9.00	9.00	120000.00	120000.00	120,675.00
Loadbreak Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
Inserts	6	EA	0.25	1.50	30.00	180.00	292.50
Conductor Hardware & Fittings	1	LS	3.50	5.00	462.00	462.00	837.00
Equipment/Trucks	4	LS	0.00	0.00	80.00	320.00	320.00
Subtotal				29.00		122452.00	
Labor Rate	75.00			$2,175.00			
Subtotal Labor				$2,175.00			$2,175.00
Subtotal Material						##########	$122,452.00
TOTAL ESTIMATE							$124,627.00

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-15		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Secondary Riser To Overhead (UM5)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor Hardware & Fittings	1	LS	9.50	9.50	0.00	0.00	712.50
Subtotal				9.50		0.00	
Labor Rate	75.00			$712.50			
Subtotal Labor				$712.50			$712.50
Subtotal Material						$0.00	$0.00
Equipment/Trucks	3	LS			$80.00	$240.00	$240.00
TOTAL ESTIMATE							$952.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-16
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Riser w/Arrester & Cutout on Bracket (UM2)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conduit, Hardware & Fittings	1	LS	8.00	8.00	379.00	379.00	979.00
Arrester & Cutout Bracket	1	EA	2.50	2.50	150.00	150.00	337.50
Fused Cutout	1	EA	1.00	1.00	83.00	83.00	158.00
Arresters	1	EA	1.00	1.00	52.00	52.00	127.00
Terminator	1	EA	1.25	1.25	105.00	105.00	198.75
Grounding	1	LS	2.00	2.00	55.00	55.00	205.00
Subtotal				15.75		824.00	
Labor Rate	75.00			$1,181.25			
Subtotal Labor				$1,181.25			$1,181.25
Subtotal Material						$824.00	$824.00
Equipment/Trucks	2.9	LS			$80.00	$232.00	$232.00
TOTAL ESTIMATE							$2,237.25

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-17
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Single Phase Primary Riser w/Arrester & Cutout on X-Arm (UM2-2)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Conductor Hardware & Fittings	1	LS	8.00	8.00	379.00	379.00	979.00
Crossarm	1	EA	1.00	1.00	150.00	150.00	225.00
Fused Cutout	1	EA	1.00	1.00	83.00	83.00	158.00
Arresters	1	EA	1.00	1.00	52.00	52.00	127.00
Terminator	1	EA	1.25	1.25	105.00	105.00	198.75
Grounding	1	LS	2.00	2.00	55.00	55.00	205.00
Subtotal				14.25		824.00	
Labor Rate	75.00			$1,068.75			
Subtotal Labor				$1,068.75			$1,068.75
Subtotal Material						$824.00	$824.00
Equipment/Trucks	3.1	LS			$80.00	$248.00	$248.00
TOTAL ESTIMATE							$2,140.75

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-18

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)
UNIT DESCRIPTION
Three Phase Primary Riser w/Arrester & Cutout (UM2-5)
ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG
CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Conductor Hardware & Fittings	1	LS	12.00	12.00	483.00	483.00	1,383.00
Arrester & Cutout Bracked	1	EA	1.00	1.00	260.00	260.00	335.00
Fused Cutout	3	EA	1.00	3.00	83.00	249.00	474.00
Arresters	3	EA	1.00	3.00	52.00	156.00	381.00
Terminator	3	EA	1.25	3.75	105.00	315.00	596.25
Grounding	1	LS	2.00	2.00	55.00	55.00	205.00
Subtotal				24.75		1518.00	
Labor Rate	75.00			$1,856.25			
Subtotal Labor				$1,856.25			$1,856.25
Subtotal Material						$1,518.00	$1,518.00
Equipment/Trucks	6	LS			$80.00	$480.00	$480.00
TOTAL ESTIMATE							$3,854.25

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-19

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)
UNIT DESCRIPTION
Trenching in Good Soil (2' wide x 3' deep)
ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG
CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	EQUIPMENT ($) PER UNIT	EQUIPMENT ($) TOTAL	TOTAL COST
Trench W/Backhoe @ $80.00/hr	1	LF	0.02	0.02	0.01	0.80	2.30
Subtotal				0.02		0.80	
Labor Rate	75.00			$1.50			
Subtotal Labor				$1.50			$1.50
Subtotal Equipment						$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$2.30

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-20		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Trenching and Backfill in Good Soil (2' wide x 3' deep)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		EQUIPMENT ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Trench W/Backhoe @ $80.00/hr	1	LF	0.02	0.02	0.01	0.80	2.30
Backfill and Compaction	1	LF	0.02	0.02	0.01	0.75	2.25
Subtotal				0.04		1.55	
Labor Rate	75.00			$3.00			
Subtotal Labor				$3.00			$3.00
Subtotal Material						$1.55	$1.55
TOTAL ESTIMATE	(per foot)						$4.55

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-21		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Trenching and Backfill in Good Soil (2' wide x 4' deep)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		EQUIPMENT ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Trench W/Backhoe @ $80.00/hr	1	LF	0.02	0.02	0.015	1.20	2.70
Backfill and Compaction	1	LF	0.03	0.03	0.015	1.13	3.38
Subtotal				0.05		2.33	
Labor Rate	75.00			$3.75			
Subtotal Labor				$3.75			$3.75
Subtotal Material						$2.33	$2.33
TOTAL ESTIMATE	(per foot)						$6.08

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-22		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
New Single Phase Conduit Installation (1-2 inch duct) Without Trenching					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-2 inch PVC Conduit	1	LF	0.02	0.02	2.99	2.99	4.49
Subtotal				0.02		2.99	
Labor Rate	75.00			$1.50			
Subtotal Labor				$1.50			$1.50
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$5.29

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-23		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
New Single Phase Conduit Installation (1-3 inch duct) Without Trenching					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-3 inch PVC Conduit	1	LF	0.04	0.04	6.30	6.30	9.30
Subtotal				0.04		6.30	
Labor Rate	75.00			$3.00			
Subtotal Labor				$3.00			$3.00
Subtotal Material						$6.30	$6.30
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$10.10

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-24
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
New Single Phase Conduit Installation (1-4 inch duct) without trenching					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-4 inch PVC Conduit	1	LF	0.06	0.06	7.50	7.50	12.00
Subtotal				0.06		7.50	
Labor Rate	75.00			$4.50			
Subtotal Labor				$4.50			$4.50
Subtotal Material						$7.50	$7.50
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$12.80

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-25
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
New Three Phase Conduit Installation (3-3 inch ducts + 1-2 inch spare duc					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
3-3" Conduits & 1- 2" Spare	1	LF	0.05	0.05	21.00	21.00	24.75
Trenching (24" W X 48" D)	1	LF	0.08	0.08	0.00	0.00	6.00
Bacfill & Compaction	1	LF	0.05	0.05	0.00	0.00	3.75
Subtotal				0.18		21.00	
Labor Rate	75.00			$13.50			
Subtotal Labor				$13.50			$13.50
Subtotal Material						$21.00	$21.00
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$35.30

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-26		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
1-Phase 15 kV Cable Installation per foot (#2 AL w/ Full concentric neut.)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-# 1/0 AL UG Primary Conductor	1	LF	0.027	0.027	2.80	2.80	4.83
Subtotal				0.03		2.80	
Labor Rate	75.00			$2.03			
Subtotal Labor				$2.03			$2.03
Subtotal Material						$2.80	$2.80
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$5.63

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-27		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
1-Phase 15 kV Cable Installation per foot (#1/0 AL w/ Full concentric neut.)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-# 1/0 AL UG Primary Conductor	1	LF	0.027	0.027	3.27	3.27	5.30
Subtotal				0.03		3.27	
Labor Rate	75.00			$2.03			
Subtotal Labor				$2.03			$2.03
Subtotal Material						$3.27	$3.27
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$6.10

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-28		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
1-Phase 15 kV Cable Installation per foot (2/0 AL w/ Full concentric neut.)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-2/0 AL UG Primary Conductor	1	LF	0.027	0.027	4.25	4.25	6.28
Subtotal				0.027		4.25	
Labor Rate	75.00			$2.03			
Subtotal Labor				$2.03			$2.03
Subtotal Material						$4.25	$4.25
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$7.08

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-29		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
1-Phase 15 kV Cable Installation per foot (#4/0 AL w/ Full concentric neut.)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
1-# 4/0 AL UG Primary Conductor	1	LF	0.027	0.027	5.25	5.25	7.28
Subtotal				0.027		5.25	
Labor Rate	75.00			$2.03			
Subtotal Labor				$2.03			$2.03
Subtotal Material						$5.25	$5.25
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$8.08

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-30		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
3-Phase 15 kV Cable Installation per foot (#1/0 AL w/ 1/3 concentric neut.)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
3-# 1/0 AL UG Primary Conductors	1	LF	0.06	0.06	10.50	10.50	15.00
Subtotal				0.06		10.50	
Labor Rate	75.00			$4.50			
Subtotal Labor				$4.50			$4.50
Subtotal Material						$10.50	$10.50
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL UNIT ESTIMATE	(per foot)						$15.80

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-31		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
3-Phase 15 kV Cable Installation per foot (#4/0 AL w/ 1/3 concentric neut.)					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
3-#4/0 AL UG Primary Conductors	1	LF	0.060	0.060	15.75	15.75	20.25
Subtotal				0.060		15.75	
Labor Rate	75.00			$4.50			
Subtotal Labor				$4.50			$4.50
Subtotal Material						$15.75	$15.75
Equipment/Trucks	0.01	LS			$80.00	$0.80	$0.80
TOTAL UNIT ESTIMATE	(per foot)						$21.05

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-32
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
3-Phase 15 kV Cable Installation per foot (#3500 AL w/ 1/3 concentric neut					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
3-#350 AL UG Primary Conductors	1	LF	0.060	0.060	16.00	17.25	21.75
Subtotal				0.060		17.20	
Labor Rate	75.00			$4.50			
Subtotal Labor				$4.50			$4.50
Subtotal Material						$17.20	$17.20
Equipment/Trucks	0.01	LS			$80.00	$0.80	$0.80
TOTAL UNIT ESTIMATE	(per foot)						$22.50

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-33
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
3-Phase 15 kV Cable Installation per foot (#500 kcmil AL w/ 1/3 conc. neut.					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
3-# 500 kcmil AL UG Primary	1	LF	0.06	0.06	18.75	18.75	23.25
Subtotal				0.06		18.75	
Labor Rate	75.00			$4.50			
Subtotal Labor				$4.50			$4.50
Subtotal Material						$18.75	$18.75
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$24.05

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-34		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
3-Phase 15 kV Cable Installation per foot (#750 kcmil AL w/ 1/3 conc. neut.					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
3-# 750 kcmil AL UG Primary	1	LF	0.06	0.06	28.35	28.35	32.85
Subtotal				0.06		28.35	
Labor Rate	75.00			$4.50			
Subtotal Labor				$4.50			$4.50
Subtotal Material						$28.35	$28.35
Equipment/Trucks	0.01	LF			$80.00	$0.80	$0.80
TOTAL ESTIMATE	(per foot)						$33.65

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-35		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
PME-9 Switchgear Installation					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Switchgear (PME-9)	1	EA	25.00	25.00	17900.00	17900.00	19,775.00
200 Amp Elbows	6	EA	1.25	7.50	40.00	240.00	802.50
600 Amp T-Body Kit	6	EA	1.50	9.00	390.00	2340.00	3,015.00
Fuse End Fittings & Fuses	6	EA	1.00	6.00	530.00	3180.00	3,630.00
Grounding	1	LS	1.00	1.00	171.50	171.50	246.50
Misc. Materials	1	LS	1.00	1.00	100.00	100.00	175.00
Site Restoration	1	LS	8.00	8.00	250.00	250.00	850.00
Equipment/Trucks	8	LS	8.00	0.00	80.00	640.00	640.00
Subtotal				57.50		24821.50	
Labor Rate	75.00	hr.		$4,312.50			
Subtotal Labor				$4,312.50			$4,312.50
Subtotal Material						$24,821.50	$24,821.50
TOTAL ESTIMATE							$29,134.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023

Table UG-37

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
PME-11 Switchgear (3-600 Amp Switched & 1-200 Amp Fused Positions)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Switchgear (PME-11)	1	EA	25.00	25.00	18900.00	18900.00	20,775.00
Elbow Terminations	3	EA	1.25	3.75	40.00	120.00	401.25
600 Amp T-Body Kit	9	EA	1.50	13.50	390.00	3510.00	4,522.50
Fuse End Fittings & Fuses	3	EA	1.00	3.00	530.00	1590.00	1,815.00
Grounding	1	LS	2.00	2.00	171.50	171.50	321.50
Misc. Materials	1	LS	7.20	7.20	100.00	100.00	640.00
Site Restoration	1	LS	8.00	8.00	250.00	250.00	850.00
Equipment/Trucks	8	LS	0.00	0.00	80.00	640.00	640.00
Subtotal				62.45		25281.50	
Labor Rate	75.00	hr.		$4,683.75			
Subtotal Labor				$4,683.75			$4,683.75
Subtotal Material						$25,281.50	$25,281.50
TOTAL ESTIMATE							$29,965.25

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-38.1

PROJECT
SANTA CLARA CITY - Line Extension Fee (Underground)

UNIT DESCRIPTION
Pre-cast Vault (For use with PME)

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR: BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR (MH) PER UNIT	LABOR (MH) TOTAL	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Pre-cast Concrete Vault	1	EA	5.00	5.00	5625.00	5625.00	6,000.00
Excavation and Backfill	1	LS	4.00	4.00	0.00	0.00	300.00
Subtotal				9.00		5625.00	
Labor Rate	75.00	hr.		$675.00			
Subtotal Labor				$675.00			$675.00
Subtotal Material						$5,625.00	$5,625.00
Equipment/Trucks	10	LS			$80.00	$800.00	$800.00
TOTAL ESTIMATE							$7,100.00

FEE ESTIMATE

DATE PREPARED: 8/31/2023 | Table UG-38.2

PROJECT
Santa Clara - Connection Fee (Underground)

DESCRIPTION
Box Pad Base for - Three Phase Switch PMH Switchgear

ENGINEER : ICPE

BASIS FOR ESTIMATE
CODE A (Schematic Design)
CODE B (Design Development)
CODE C (Final Design) 100%
OTHER - Fee Development

ESTIMATOR BG

CHECKED BY: MRV

DESCRIPTION	QUANTITY NO. UNITS	QUANTITY UNIT MEAS	LABOR PER UNIT	LABOR TOTAL	Labor ($)	MATERIAL ($) PER UNIT	MATERIAL ($) TOTAL	TOTAL COST
Box Pad Base - PMH Switchgear	1	EA	3.00	3.00	228.00	2000.00	$2,000.00	$2,228.00
Excavation & Backfill	1	LS	2.00	2.00	152.00	0.00	$0.00	$152.00
Subtotal				5.00	$380.00		$2,000.00	
Avg. Labor Rate (3 Man Crew)	$76.00							
Subtotal Labor					$380.00			$380.00
Subtotal Material							$2,000.00	$2,000.00
Equipment/Truck	1.67					$80.00	$133.33	$133.33
TOTAL ESTIMATE								$2,513.33

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-39		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Ground Sleeve--single phase--200 Amp with 4 positions					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Fiberglass Single Phase Grd. Sleeve	1	EA	8.00	8.00	1236.00	1236.00	1,836.00
Terminations	4	EA	1.25	5.00	40.00	160.00	535.00
Misc. Materials	1	LS	1.55	1.55	135.00	135.00	251.25
Site Restoration	1	LS	2.00	2.00	125.00	125.00	275.00
Subtotal				16.55		1656.00	
Labor Rate	75.00	hr.		$1,241.25			
Subtotal Labor				$1,241.25			$1,241.25
Subtotal Material						$1,656.00	$1,656.00
Equipment/Trucks	1	LS			$80.00	$80.00	$80.00
TOTAL ESTIMATE							$2,977.25

FEE ESTIMATE			DATE PREPARED: 8/31/2023		Table UG-40		
PROJECT					BASIS FOR ESTIMATE		
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)		
UNIT DESCRIPTION					CODE B (Design Development)		
Ground Sleeve--Three phase--200 Amp with 4 positions					CODE C (Final Design) 100%		
ENGINEER : ICPE					OTHER - Fee Development		
	ESTIMATOR: BG				CHECKED BY: MRV		
	QUANTITY		LABOR (MH)		MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL	COST
Fiberglass Three Phase Grd Sleeve	1	EA	8.00	8.00	2634.50	2634.50	3,234.50
Terminations	12	EA	1.00	12.00	31.00	372.00	1,272.00
	25	LF	0.06	1.50	2.72	68.00	180.50
Misc. Materials	1	LS	2.15	2.15	175.00	175.00	336.25
Site Restoration	1	LS	2.00	2.00	125.00	125.00	275.00
Subtotal				25.65		3374.50	
Labor Rate	75.00	hr.		$1,923.75			
Subtotal Labor				$1,923.75			$1,923.75
Subtotal Material						$3,374.50	$3,374.50
Equipment/Trucks	1	LS			$80.00	$80.00	$80.00
TOTAL ESTIMATE							$5,378.25

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-41	
PROJECT					BASIS FOR ESTIMATE			
Santa Clara City - Connection Fee (Underground)					CODE A (Schematic Design)			
DESCRIPTION					CODE B (Design Development)			
Sectionalizer - Three Phase - 4-600 Amp Positions					CODE C (Final Design) 100%			
ENGINEER : ICPE					OTHER - Fee Development			
	ESTIMATOR: R. Hansen				CHECKED BY:			
	QUANTITY		LABOR			MATERIAL ($)		TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	Labor ($)	PER UNIT	TOTAL	COST
Three Phase Sectionalizer Cabinet	1	EA	2.00	2.00	152.00	1850.00	$1,850.00	$1,850.00
4 Position Junction (4-600A)	3	EA	1.00	3.00	228.00	705.00	$2,115.00	$2,115.00
Non-Load Break Elbow (600A)	12	EA	1.25	15.00	1140.00	390.00	$4,680.00	$4,680.00
Grounding	1	LS	2.00	2.00	152.00	256.00	$256.00	$256.00
Misc. Materials & Hardware	1	LS	1.00	1.00	76.00	50.00	$50.00	$50.00
Subtotal				23.00	$1,748.00		$8,951.00	
Avg. Labor Rate (3 Man Crew)	$76.00							
Subtotal Labor					$1,748.00			$1,748.00
Subtotal Material							$8,951.00	$8,951.00
Equipment/Truck	7.67						$613.33	$613.33
TOTAL ESTIMATE						$80.00		$11,312.33

FEE ESTIMATE			DATE PREPARED:		8/31/2023		Table UG-42	
PROJECT					BASIS FOR ESTIMATE			
SANTA CLARA CITY - Line Extension Fee (Underground)					CODE A (Schematic Design)			
UNIT DESCRIPTION					CODE B (Design Development)			
Underground Secondary Junction Box					CODE C (Final Design) 100%			
ENGINEER : ICPE					OTHER - Fee Development			
	ESTIMATOR: BG				CHECKED BY: MRV			
	QUANTITY		LABOR (MH)		MATERIAL ($)			TOTAL
DESCRIPTION	NO. UNITS	UNIT MEAS	PER UNIT	TOTAL	PER UNIT	TOTAL		COST
UG Secondary Junction Box	1	EA	2.00	2.00	62.00	62.00		212.00
Grounding Wire	5	LF	0.06	0.30	3.50	17.50		40.00
Misc. Materials	1	LS	0.50	0.50	29.00	29.00		66.50
Site Restoration	1	LS	1.00	1.00	50.00	50.00		125.00
Subtotal				3.80		158.50		
Labor Rate	75.00	hr.		$285.00				
Subtotal Labor				$285.00				$285.00
Subtotal Material						$158.50		$158.50
Equipment/Trucks	1	LS			$80.00	$80.00		$80.00
TOTAL ESTIMATE								$523.50