

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



January 15, 2020

Advice Letter 5403-G

Ronald van der Leeden
Director, Regulatory Affairs
Southern California Gas Company
555 W. Fifth Street, GT14D6
Los Angeles, CA 90013-1011

SUBJECT: Modification of Condition 1 in Resolution G-2928 to Apply a Meter Calibration Adjustment Factor on Customer Bills Pursuant to Resolution G-3538.

Dear Mr. van der Leeden:

Advice Letter 5403-G is effective as of December 19, 2019 per Resolution G-3558.

Sincerely,

A handwritten signature in cursive script that reads "Edward Randolph".

Edward Randolph
Deputy Executive Director for Energy and Climate Policy/
Director, Energy Division



Ronald van der Leeden
Director
Regulatory Affairs

555 W. Fifth Street, GT14D6
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December 27, 2018

Advice No. 5403
(U 904 G)

Public Utilities Commission of the State of California

Subject: Modification of Condition 1 in Resolution G-2928 to Apply a Meter Calibration Adjustment Factor on Customer Bills Pursuant to Resolution G-3538

Southern California Gas Company (SoCalGas) hereby submits for approval by the California Public Utilities Commission (Commission or CPUC) the modification of Condition 1 in Resolution (Res.) G-2928 to apply, as an exploratory pilot program (pilot program), a 2% meter calibration adjustment factor on customers' bills and related revisions to its tariff schedules, applicable throughout its service territory, as shown on Attachment A.

Purpose

SoCalGas proposes a pilot program to apply a 2% meter calibration adjustment factor on the conversion of metered natural gas volumes to billable volumes on customers' bills whose gas meters in a meter family within a participating meter group have been statistically registering between more than 2% fast and no greater than 3% fast by modifying Condition 1 in Res. G-2928, revising SoCalGas' Rule No. 02, Description of Service, and including a bill message on the periodic bill statement.

Consistent with Decision (D.) 17-06-015¹ and Res. G-3538 (approving utilities' 2018 Leak Abatement Compliance Plan),² SoCalGas proposes to minimize methane emissions during meter replacements by using a meter calibration adjustment factor on customers' bills, modifying Condition 1 in Res. G-2928, revising its tariffs, and including a bill message on customers' periodic bill statements, as described below.

¹ D.17-06-015, *Decision Approving Natural Gas Leak Abatement Program Consistent with Senate Bill 1371*, was issued on June 15, 2017.

² Res. G-3538, *Forecast Requests for Utility Natural Gas Leak Abatement Program Memorandum and Balancing Accounts*, was adopted on October 11, 2018.

Background

General Order (GO) 58-A, *Standards for Gas Service in the State of California*, Section 13, Periodic and Other Required Tests of Gas Meters, Subsection a. states:³

No gas meters hereafter installed shall be allowed to remain in service more than ten (10) years from the time when last tested without being retested in the manner herein provided, and if found inaccurate, each such meter shall, at the time of each test, be readjusted to be correct within the prescribed limits before being installed.

On November 19, 1959, supplemented on January 22, 1960 and April 22, 1960, SoCalGas submitted letters to the Commission requesting to deviate from Section 24(a) of GO 58-A to authorize the substitution of a meter testing program based upon statistical controls in lieu of the specified 10-year period.⁴ Res. G-1123, dated April 28, 1960, authorized SoCalGas to deviate from Section 24(a) of GO 58-A. Condition 1 in Res. G-1123 indicated the following:

Any meter group more than 10 years old will be scheduled for removal as soon as more than 10% of the meters in the group are indicated to be registering more than 2% fast, or as soon as more than 20% of the meters in the group are indicated to be registering outside the range of 2% fast to 2% slow, on the basis of annual tests of sample meters from the group.

On September 20, 1990, SoCalGas submitted a letter to the Commission requesting approval of modifications to meter performance and proof setting standards covered by two conditions in Res. G-1123. SoCalGas' proposed modification to Condition 1 allowed up to 25% of the meters in a group to register outside the range of 2% fast to 2% slow.⁵ Res. G-2928, issued on November 9, 1990, authorized the revision to SoCalGas' gas meter performance and proof setting standards. Condition 1, in Res. G-2928 indicated the following:

Any meter group more than 10 years old will be scheduled for removal as soon as more than 10% of the meters in the group are indicated to be registering more than 2% fast, or as soon as more than 25% of the meters in the group are indicated to be registering outside the range of 2% fast to 2% slow, on the basis of annual tests of sample meters from the group.

SoCalGas employs different meter families within groups of gas meters to measure customer gas consumption. A meter group is formed when a family of new like-kind meters are installed in the field in any given year. After a meter group has been in the

³ GO 58-A Section 13.a. was formerly Section 24(a).

⁴ The three letters requesting to deviate from Section 24(a) of GO 58-A were not advice letter submittals.

⁵ The letter requesting modifications to meter performance and proof setting standards covered by two conditions in Res. G-1123 was not an advice letter submittal.

field measuring gas consumption for 10 years, the meter group is subject to annual sample proof testing to verify that the meter group is still accurately measuring gas consumption. The number of samples tested annually provide a statistically significant indication of the performance of the entire installed meter group. Results from these proof tests are reported in terms of % error (% slow or % fast). A value of 0.0% indicates that the meter is perfectly accurate. Negative values indicate % slow and positive values indicate % fast.

Typically, a significant sample size will result in proof test values that resemble a normal distribution. Within a normal distribution curve, when 10% of the sample proof test results lie to the right of 102%, 10% of the meters are more than 2% fast. When this condition occurs, Condition 1 in Res. G-2928 dictates that all the meters must be pulled from the field and replaced with new meters.

Ordering Paragraph 4 in D.17-06-015 approved 26 Mandatory Best Practices to minimize methane emissions from Commission-regulated natural gas pipeline facilities. Best Practice (BP) 23 is to Minimize Methane Emissions from Operations, Maintenance, and Other Activities.⁶ In SoCalGas' AL 5211-B⁷ and SoCalGas' 2018 Amended Leak Abatement Compliance Plan,⁸ SoCalGas proposed an information technology (IT) project to modify SoCalGas' billing system to accommodate a meter calibration factor to adjust for the variance in the meter accuracy over time to reduce meter replacements and reduce methane emissions as part of BP 23. The proposed meter calibration adjustment factor would be applicable until a new factor is derived or the meter is changed. Res. G-3538 approved AL 5211-B and Leak Abatement Compliance Plan.

Proposed 2% Meter Calibration Adjustment Factor

The meter calibration adjustment factor corrects small meter registration inaccuracies of participating meter groups by reducing the recorded meter registration by 2% and applying it to the billing factor. The meter calibration adjustment factor on the conversion of metered natural gas volumes to billable volumes on customers' bills would only be applied to participating large meter families (>500 meters), participating meter groups, whose gas meters have been statistically registering between more than 2% fast and no greater than 3% fast. The meter calibration adjustment factor would not be applied to any sub-group of meters. The initial proposed meter families participating in the meter calibration adjustment factor pilot program are identified in Table 1 below.

⁶ D.17-06-015, at pp. 93 - 94.

⁷ AL 5211-B, Attachment B, BP 23, at pp. 35 of 59 - 37 of 59.

⁸ *SoCalGas' 2018 Amended Leak Abatement Compliance Plan* (submitted July 20, 2018), at pp. 143 - 144, 147, 150, and 153.

Table 1: Initial Proposed Meter Families

Meter Family	Meter Model	Remaining in Service
323	R-415	1,660
388	R-275	47,031
394	RT-230	44,108
400	AL-425	28,723
401	AL-425	2,212
406	AC-250	76,805
407	AC-250	4,248
408	AT-210	100,908
410	AT-250	6,535
Total Meters Subject for Removal		312,230

The initial proposed meter families' participation in the meter calibration adjustment factor pilot program will conclude at the end of the life cycles of the meter families, which is when the mandatory Advanced Meter Infrastructure Meter Transmission Unit (MTU)-related battery change requires action, at which time a new meter and MTU would be installed together as a combo meter. Additionally, dependent upon the evaluation of the ongoing results, meter families meeting the participation requirements may be added or removed from the pilot program. In future Senate Bill (SB) 1371⁹ Leak Abatement Compliance Plans, SoCalGas will make recommendations to the Commission regarding either the extension or termination of the pilot program.

The 2% meter calibration adjustment factor for participating meter families extends the useful lives of the meters and eliminates the need for removing meters from the field until the time new meters and MTUs would be installed together as combo meters.

SoCalGas proposes to minimize methane emissions during meter replacements by using the meter calibration adjustment factor. Table 2 projects a reduction in methane emissions into the atmosphere by an estimated 462 thousand standard cubic feet (Mscf) from 2019 to 2021.

⁹ SB 1371, *Natural Gas: Leakage Abatement*, was approved by the Governor on September 1, 2014.

Table 2: Reduction in Methane Emissions

Meter Type	PMC 2019	Emissions Reduction Mscf	PMC 2020	Avoid Emissions Mscf	PMC 2021	Emissions Reduction Mscf	Emissions Reduction 2019 to 2021 Mscf
323 (R-415)	553	1	553	1	554	1	3
388 (R-275)	15,677	36	15,677	36	15,677	36	108
394 (RT-230)	14,703	33	14,703	33	14,702	33	99
400 (AL-425)	9,574	22	9,575	22	9,574	22	66
401 (AL-425)	737	1	738	1	737	1	3
406 (AC-250)	25,602	25	25,601	25	25,602	25	75
407 (AC-250)	1,416	1	1,416	1	1,416	1	3
408 (AT-210)	33,636	33	33,636	33	33,636	33	99
410 (AT-250)	2,178	2	2,178	2	2,179	2	6
Totals	104,076	154	104,077	154	104,077	154	462

Proposed Revision to Condition 1 in Res. G-2928

In lieu of a scheduled meter group removal required by Condition 1 in Res. G-2928, SoCalGas proposes to use a 2% meter calibration factor to adjust customers' bills whose gas meters in a participating meter group are more than 10 years old and more than 10% of the meters are statistically registering more than 2% fast and no greater than 3% fast. The proposed revision to Condition 1 in Res. G-2928 adds the following:

For participating meter groups more than 10 years old with more than 10% of the meters in the group registering more than 2% fast and no greater than 3% fast, the participating meter families within meter groups may be subject to a 2% meter calibration adjustment factor to correct meter registration inaccuracies. Any participating meter groups more than 10 years old will be scheduled for removal as soon as more than 25% of the meters in the group are indicated to be registering outside the range of 2% fast to 2% slow, on the basis of annual tests of sample meters from the group.

Proposed Tariff Revisions

Rule No. 02, Description of Service, is revised to add two new sections describing the meter calibration adjustment factor and how the metered volume is adjusted by a billing factor, as follows:

K. Meter Calibration Adjustment Factor

In the cases where meters have failed the Meter Performance Control Program as fast meters, a Meter Calibration Factor of 2% will be applied in lieu of removal. This factor shall be applied to all impacted meters and remain in place as long as the meter is left in service without removal.

L. Conversion of Metered Volumes to Billable Volumes for Billing

The metered volume shall be adjusted by a billing factor equal to the product of the applicable adjustments factors listed in I, J, K to calculate the billable volume in Ccf.

In addition, Rule No. 02, Section L, Conversion of Metered Volumes for Billing of Utility Electric Generation and Wholesale Customers, is deleted due to all utility customers, including Utility Electric Generations and Wholesale Customers, are billed in therms, not thousand cubic feet (McF). This section is replaced by Section L above.

Rule No. 02, Section M (formerly Section K) is revised to delete obsolete language (in redlined format) inferring that Utility Electric Generation and Wholesale Customers are not billed in therms, adds language to the beginning of the section describing the conversion of metered volumes to therms for billing, and revises the billing factor description in the second paragraph, as follows:

M. Conversion of Metered Volumes to Therms for Billing ~~Other Than Utility Electric Generation and Wholesale Customers~~

The number of therms to be billed shall be the product of the billable volume in Ccf times the BTU factor.

The number of therms to be billed shall be the product of the metered volume in Ccf times the billing factor. The billing factor is equal to the product of the applicable ~~Btu factor for the Btu district times the adjustment factors for altitude, and metering pressure, and meter calibration,~~ as appropriate.

The proposed tariff revisions are shown in Attachment A.

Proposed Bill Message

For participating meter families within meter groups subject to a 2% adjustment for meter calibration factor, the following bill message will appear on the customers' periodic bill statements:

A meter calibration adjustment factor has been incorporated in the Billing Factor for this bill period. The calibration factor corrects small meter registration inaccuracies, effectively reducing the recorded registration by 2%.

Due to the limited space for bill messages on the customers' periodic bill statements, the proposed bill message may need to be superseded by another bill message of greater relevance. Samples of the revised periodic bill statements with the proposed bill message for the meter calibration adjustment factor are shown on Attachment B.

The use of the meter calibration adjustment factor extends the service life of participating meter families, provides economic benefits to ratepayers through substantial cost avoidance, and advances California's goals toward reducing methane emissions.

Proposed Bill Presentation

Currently, the conversion of metered volumes to therms for billing are the product of the metered volume in Ccf and billing factor. The billing factor is equal to the product of the applicable Btu factor for the Btu district and the factors for altitude and metering pressure, as appropriate.

$$\text{Therms} = \text{Ccf} \times (\text{Applicable Btu Factor for the Btu District} \times \text{Adjustment for Altitude} \times \text{Adjustment for Metering Pressure})$$

Below are the columns that are included on the current periodic bill statement for the above calculation:

Current Reading	-	Previous Reading	=	Difference	x	Billing Factor	=	Total Therms
-----------------	---	------------------	---	------------	---	----------------	---	--------------

The use of the meter calibration adjustment factor revises the conversion of metered volumes to therms for billing as the products of the metered volume in Ccf, billing factor, and the applicable Btu factor for the Btu district. The billing factor is equal to the product of the meter calibration adjustment factor and factors for altitude and metering pressure, as appropriate.

$$\text{Therms} = \text{Ccf} \times (\text{Meter Calibration Adjustment Factor} \times \text{Adjustment for Altitude} \times \text{Adjustment for Metering Pressure}) \times \text{Applicable Btu Factor for the Btu District}$$

An additional column, BTU Factor, will be included on the proposed periodic bill statement, and below are the columns for the above proposed bill calculation:

Current Reading	-	Previous Reading	=	Difference	x	Billing Factor	x	BTU Factor	=	Total Therms
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Samples of the revised periodic bill statements with the proposed bill calculation are shown on Attachment B.

This filing will not increase or decrease any rate or charge, conflict with any schedules or rules, or cause the withdrawal of service.

Protest

Anyone may protest this advice letter to the Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact,

and should be submitted expeditiously. The protest must be made in writing and received within 20 days of the date of this advice letter, which is January 16, 2019. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

A copy of the protest should also be sent via e-mail to the attention of the Energy Division Tariff Unit (EDTariffUnit@cpuc.ca.gov). A copy of the protest shall also be sent via both e-mail and facsimile to the address shown below on the same date it is mailed or delivered to the Commission.

Attn: Ray B. Ortiz
Tariff Manager - GT14D6
555 West Fifth Street
Los Angeles, CA 90013-1011
Facsimile No.: (213) 244-4957
E-mail: ROrtiz@semprautilities.com

Effective Date

Pursuant to General Order 96-B, Energy Industry Rule 5.3(1), this advice letter is designated as Tier 3 and, as such, requires a Resolution to be issued by the Commission. SoCalGas respectfully requests that this submittal be approved by the Commission at the earliest opportunity with the tariffs effective on January 1, 2020.

Notice

A copy of this AL is being sent to SoCalGas' GO 96-B service list and the Commission's service list in Rulemaking 15-01-008. Address change requests to the GO 96-B service list should be directed via e-mail to tariffs@socalgas.com or call 213-244-2837. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or via e-mail at process_office@cpuc.ca.gov.

Ronald van der Leeden
Director – Regulatory Affairs

Attachment



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.:

Utility type:

ELC GAS WATER
 PLC HEAT

Contact Person:

Phone #:
E-mail:
E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

Keywords (choose from CPUC listing):

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected:

Service affected and changes proposed¹:

Pending advice letters that revise the same tariff sheets:

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name:
Title:
Utility Name:
Address:
City: State:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Name:
Title:
Utility Name:
Address:
City: State:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

ATTACHMENT A
Advice No. 5403

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 55768-G	Rule No. 02, DESCRIPTION OF SERVICE, Sheet 5	Revised 45836-G
Revised 55769-G	Rule No. 02, DESCRIPTION OF SERVICE, Sheet 6	Revised 45837-G*
Revised 55770-G	Rule No. 02, DESCRIPTION OF SERVICE, Sheet 7	Revised 45838-G
Revised 55771-G	Rule No. 02, DESCRIPTION OF SERVICE, Sheet 8	Revised 53906-G
Revised 55772-G	Rule No. 02, DESCRIPTION OF SERVICE, Sheet 9	Revised 45840-G
Revised 55773-G	TABLE OF CONTENTS	Revised 54744-G
Revised 55774-G	TABLE OF CONTENTS	Revised 55753-G

Rule No. 02

Sheet 5

DESCRIPTION OF SERVICE

(Continued)

J. Adjustment for Elevation for Pressure Higher Than Standard Delivery Pressure (Continued)

Standard Average Barometric Pressures of Various Elevation Zones
 for Use with High Pressure Gas Displacement Meters

<u>Elevation Zone</u>	<u>Elevation Limits Between Which Standard Barometric Pressure Is to be Used (Feet)</u>	<u>Standard Barometric Pressure (Lbs. per Sq. Inch Absol.)</u>
1	-200-199	14.73
2	200-599	14.53
3	600-999	14.32
4	1,000-1,399	14.12
5	1,400-1,799	13.92
6	1,800-2,199	13.72
7	2,200-2,599	13.53
8	2,600-2,999	13.33
9	3,000-3,399	13.14
10	3,400-3,799	12.96
11	3,800-4,199	12.77
12	4,200-4,599	12.59
13	4,600-4,999	12.41
14	5,000-5,399	12.23
15	5,400-5,799	12.06
16	5,800-6,199	11.89
17	6,200-6,599	11.72
18	6,600-6,999	11.55
19	7,000-7,399	11.39
20	7,400-7,799	11.22
21	7,800-8,199	11.06

K. Adjustment for Meter Calibration Factor

In the cases where meters have failed our Meter Performance Control Program as fast meters, a Meter Calibration Factor of 2% will be applied in lieu of removal. This factor shall be applied to all impacted meters and remain in place as long as the meter is left in service without removal.

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(Continued)

(TO BE INSERTED BY UTILITY)
 ADVICE LETTER NO. 5403
 DECISION NO.

ISSUED BY
Dan Skopec
 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
 SUBMITTED Dec 27, 2018
 EFFECTIVE Dec 19, 2019
 RESOLUTION NO. _____

Rule No. 02

Sheet 6

DESCRIPTION OF SERVICE

(Continued)

L. Conversion of Metered Volumes to Billable Volumes for Billing

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The metered volume shall be adjusted by a billing factor equal to the product of the applicable adjustments factors listed in I, J, K to calculate the billable volume in Ccf.

M. Conversion of Metered Volumes to Therms for Billing

L,D,T

The number of therms to be billed shall be the product of the billable volume in Ccf times the BTU factor.

N
N

The number of therms to be billed shall be the product of the metered volume in Ccf times the billing factor. The billing factor is equal to the product of the applicable adjustment factors for altitude, metering pressure, and meter calibration, as appropriate.

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The Btu factor for each Btu district will be determined monthly by dividing the average heating value of deliveries to that Btu district by 1,000. The average heating value in the Btu district is based upon the 4-week period ending on the second Tuesday of a 4-Tuesday month, or the 5-week period ending on the third Tuesday of a 5-Tuesday month. This Btu factor shall be used for all billing cycles of the next revenue month.

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Where the Utility has a meter device that automatically gathers and records daily or more frequent consumption information, the Utility may apply appropriate district daily or more frequent heating values in determining the customer's bill, rather than a monthly average heating value.

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N. The Utility reserves the right to refuse gas service to:

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1. Any customer whose fuel requirements impose demands only at times which are coincidental with the period of extreme seasonal peak demands on the Utility's system.
2. Any premises for standby purposes. Utility will notify the Commission whenever a denial of service is contemplated.

O. Standby Service to Bypass Customers

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1. A Bypass customer will be put on standby service if it meets the conditions specified in Rule No. 1 for standby service.
2. To the extent a Bypass customer requests a new service line or meter from the Utility for standby service as defined in Rule No. 1, the Utility will install the service line or meter at the customer's expense. The customer will be subject to a usage evaluation if it uses no transportation service from the Utility for any consecutive 24-month period.

(Continued)

(TO BE INSERTED BY UTILITY)
 ADVICE LETTER NO. 5403
 DECISION NO.

ISSUED BY
Dan Skopec
 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
 SUBMITTED Dec 27, 2018
 EFFECTIVE Dec 19, 2019
 RESOLUTION NO. _____

Rule No. 02

Sheet 7

DESCRIPTION OF SERVICE

(Continued)

P. Special Facilities

1. Request for Special Facilities. Utility will normally install only those permanent facilities needed to provide standard service pursuant to Rule No. 20, Gas Main Extensions and/or Rule No. 21, Gas Service Extensions. An Applicant for new permanent service or a customer receiving permanent service may request Utility to install special facilities that result in additional cost to Utility over normally installed permanent facilities. If Utility agrees to such installation, Applicant will pay to Utility all costs above Utility's estimated site-specific cost to install, own, maintain, operate and replace permanent, standard facilities, in addition to any other applicable charges pursuant to Utility's tariffs.
2. Special Facilities. Special facilities may be provided to an Applicant for permanent natural gas service or existing customer for permanent natural gas service, and include:
 - a. augmented or new facilities which are in addition to, or substitution for, permanent facilities Utility normally installs to provide standard service under its tariffs; or,
 - b. existing facilities dedicated in whole or part for the sole use of Applicant. Utility will install, own and maintain special facilities, or dedicate existing facilities as an accommodation to the Applicant, only when acceptable to Utility such that Utility retains operational control and can assure reliability of service to Utility's other customers.
3. Costs Charged to Applicant for Special Facilities.
 - a. New Facilities. New facilities that the Utility agrees to install for Applicant's use as special facilities will be installed at Applicant's expense. Applicant will advance to Utility the additional estimated installed cost of the special facilities above Utility's standard facilities. Utility, at its option, may provide Applicant with alternate payment arrangement for installation of new facilities.
 - b. Existing Facilities. Utility's agreement to dedicate existing facilities for Applicant's use as special facilities will be at Applicant's expense. Applicant will pay Utility the applicable portion of the estimated installed cost of the existing facilities dedicated to Applicant.

(Continued)

(TO BE INSERTED BY UTILITY)
ADVICE LETTER NO. 5403
DECISION NO.

ISSUED BY
Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
SUBMITTED Dec 27, 2018
EFFECTIVE Dec 19, 2019
RESOLUTION NO. _____

T

Rule No. 02

Sheet 8

DESCRIPTION OF SERVICE

(Continued)

P. Special Facilities (Continued)

3. Costs Charged to Applicant for Special Facilities. (Continued)

c. Ownership Charge. In addition to providing for the payment of charges under any other applicable tariff, the Applicant will pay ownership charge or charges for either Utility-financed or Customer-financed facilities. The monthly ownership charge for Utility-financed facilities includes depreciation, authorized return, income taxes, property taxes, Operation and Maintenance (O&M) expense, Administrative and General (A&G) expense, Franchise Fees and Uncollectibles (FF&U), property insurance and replacement, if needed, for 60 years at no additional cost to the customer. The monthly ownership charge for Customer-financed facilities includes property taxes, Operation and Maintenance (O&M) expense, Administrative and General (A&G) expense, Franchise Fees and Uncollectibles (FF&U), property insurance and replacement, if needed, for 60 years at no additional cost to the customer. At Utility's discretion, dependent on such factors as the Applicant's creditworthiness, longevity of the project, practicality of collecting periodic payments, administration of the contract and other factors, Utility may require Applicant to pay the monthly Utility-financed or Customer-financed charge, or a lump sum payment, or Utility may agree to other payment arrangements.

(1) Monthly Ownership Charge. At the Utility's option, the Applicant will be required to pay monthly Utility-financed or Customer-financed ownership charges, as follows:

<u>Type of Facility</u>	<u>Financing</u>	<u>Monthly Charge</u>
Distribution	Customer	0.55% of the amount advanced
	Utility	1.30% of the additional cost

These monthly ownership charges will commence when the special facilities are first ready to serve, as determined by Utility. Utility will notify Customer of this date, through its first invoice. The monthly ownership charges to Customer will automatically change in the event the rates set forth in this Rule 2 change.

(2) Lump-Sum Payment. At Utility's option, the Applicant may be required to make an equivalent one-time payment in lieu of the monthly charge. The one-time payment will equal the estimated cost of the special facilities, plus the estimated cost of removal or abandonment less the estimated net salvage value of removed or abandoned materials. This payment will be required in the event that the Applicant terminates the use of the special facilities at any time within five (5) years immediately following the date the special facilities are first ready to serve.

(Continued)

(TO BE INSERTED BY UTILITY)
 ADVICE LETTER NO. 5403
 DECISION NO.

ISSUED BY
Dan Skopec
 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
 SUBMITTED Dec 27, 2018
 EFFECTIVE Dec 19, 2019
 RESOLUTION NO. _____

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Rule No. 02

Sheet 9

DESCRIPTION OF SERVICE

(Continued)

P. Special Facilities (Continued)

3. Costs Charged to Applicant for Special Facilities. (Continued)

c. Ownership Charge. (Continued)

(3) Periodic Review. Utility will periodically review the factors it uses to determine the monthly ownership charges stated in this section of this rule. If such review results in a change of more than five percent (5%), the Utility will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes will be submitted no sooner than six (6) months after the last revision.

4. Contracts for Special Facilities. Applicant requesting special facilities will be required to execute a written contract prior to Utility performing its work to install or dedicate special facilities. The general form of such contract shall be on file with the Commission.

(TO BE INSERTED BY UTILITY)

ADVICE LETTER NO. 5403
DECISION NO.

9C6

ISSUED BY

Dan Skopec
Vice President
Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)

SUBMITTED Dec 27, 2018
EFFECTIVE Dec 19, 2019

RESOLUTION NO. _____

T

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(TO BE INSERTED BY UTILITY)
 ADVICE LETTER NO. 5403
 DECISION NO.

ISSUED BY
Dan Skopec
 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
 SUBMITTED Dec 27, 2018
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TABLE OF CONTENTS

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(Continued)

(TO BE INSERTED BY UTILITY)
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 Vice President
 Regulatory Affairs

(TO BE INSERTED BY CAL. PUC)
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ATTACHMENT B

Advice No. 5403

**Samples of Revised Bill Formats with the Bill Message
and New Meter Calibration Field/factor Adjustment**

Sample of Residential Service Bill Format



ACCOUNT NUMBER
SERVICE FOR

DATE MAILED Jul 5, 2018 Page 1 of 2
24 Hour Service
1-800-427-2200 English
1-800-342-4545 Español
1-800-252-0259 TTY
socialgas.com

A meter calibration adjustment factor has been incorporated in the Billing Factor for this bill period. The calibration factor corrects small meter registration inaccuracies, effectively reducing the recorded registration by 2%.

Account Summary

Amount of Last Bill			\$116.61
Payment Received	06/20/18	THANK YOU	- 116.61
Current Charges			+ 116.60
Total Amount Due			\$116.60

This bill reflects modified gas charges due to a rate change.

Current Charges

Rate: GR - Residential Climate Zone: 1 Baseline Allowance: 15 Therms
Meter Number: (Next scheduled read date Aug 1 2018) Cycle: 3

Billing Period	Days	Current Reading	Previous Reading	= Difference	x Billing Factor	x BTU Factor	= Total Therms
06/01/18 - 07/02/18	31	2259	2172	87	0.980	1.033	88

GAS CHARGES		Amount(\$)
Customer Charge	31 Days x \$.16438	5.10

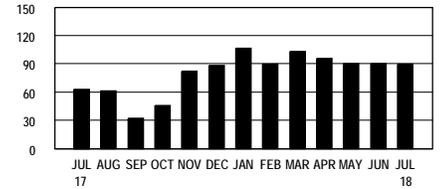
Gas Service (Details below)	88 Therms	
	Baseline	Over Baseline
Therms used	15	73
Rate/Therm	\$.83600	\$1.16427
Charge	\$12.54	+ \$84.99 = 97.53
Total Gas Charges \$102.63		

TAXES & FEES ON GAS CHARGES		Amount(\$)
State Regulatory Fee	88 Therms x \$.00166	.15
Public Purpose Surcharge	88 Therms x \$.09402	8.27
Malibu City Users Tax	\$111.05 x 5.00%	5.55
Total Taxes and Fees on Gas Charges \$13.97		

Total Current Charges \$116.60

DATE DUE	Jul 25, 2018
AMOUNT DUE	\$116.60

Gas Usage History (Total Therms used)



	Jul 17	Jun 18	Jul 18
Total Therms used	63	91	90
Daily average Therms	2.2	3.0	2.9
Days in billing cycle	29	30	31

As of June 1, 2018, income eligibility guidelines for the CARE and Energy Savings Assistance Program have been updated and now more customers may be eligible to save money and energy. Find out if you qualify at socialgas.com/assistance.

A partir del 1 de junio de 2018, se han actualizado las pautas de elegibilidad de ingresos para los programas de asistencia. Ahora más clientes pueden ahorrar dinero y energía. Averigüe si califica en socialgas.com/asistencia.

SoCalGas' gas commodity cost per therm for your billing period:
Jul. \$.35830 Jun. \$.29770

PLEASE KEEP THIS PORTION FOR YOUR RECORDS. (FAVOR DE GUARDAR ESTA PARTE PARA SUS REGISTROS.)
PLEASE RETURN THIS PORTION WITH YOUR PAYMENT. (FAVOR DE DEVOLVER ESTA PARTE CON SU PAGO.)



SERVICE ADDRESS

Save Paper & Postage
PAY ONLINE
socialgas.com

ACCOUNT NUMBER

DATE DUE	Jul 25, 2018
AMOUNT DUE	\$116.60

Please enter amount enclosed.
\$

Write account number on check and make payable to SoCalGas.

SoCalGas
PO BOX C
MONTEREY PARK CA 91756-5111



ACCOUNT NUMBER
 DATE DUE AMOUNT DUE
 Jul 25, 2018 \$116.60

DATE MAILED Jul 5, 2018 Page 2 of 2
1-800-427-2200 English
 1-800-342-4545 Español
 1-800-252-0259 TTY
socalgas.com

SoCalGas Policies and Notices

Electronic Check Processing - When you pay your bill by check, you authorize us to electronically process your payment. If your check is processed electronically, your checking account may be debited on the same day we receive the check. Your check will not be returned by your bank, however, the transaction will appear on your bank statement. *If you do not wish to participate in this program, please have your account number ready and call 1-877-272-3303.*

Closing your Gas Service - We require two (2) working days and access to the meter to close your gas service.

Information about Deposits

Amount of Deposit - The amount of deposit required to establish or re-establish service credit is twice the estimated average periodic bill.

Return of Deposit/Interest on Deposit - This deposit, together with any interest due, less the amount of any unpaid bills, will normally be returned either on discontinuance of service or after the deposit has been held for twelve (12) consecutive months, during which time continuous gas service has been received and all bills for such service have been paid in accordance with the rules in effect and filed with the Public Utilities Commission of the State of California. No Interest will be paid if the service is temporarily or permanently discontinued for non-payment of bills.

Public Utilities Commission Notice - Should you question the amount of this bill, please request an explanation by calling the telephone number at the top of your bill. If you thereafter believe you have been billed incorrectly, the amount of the bill should be deposited with the California Public Utilities Commission, State Office Building, 505 Van Ness Avenue, Room 2003, San Francisco, CA 94102, phone: 800-649-7570, e-mail: consumer-affairs@cpuc.ca.gov, to avoid discontinuance of service. Make remittance payable to the California Public Utilities Commission, and attach the bill and the statement supporting your belief that the bill is not correct. The Commission will review the basis of the billed amount and make disbursement in accordance with its findings. However, the Commission will not accept the deposits when it

Need extra natural gas to heat your home due to a medical condition? You may be eligible for more natural gas at our lowest baseline rate through the Medical Baseline Allowance program. To learn more, visit socalgas.com/medical or call 1-800-427-2200.

appears that the dispute is over matters such as quality of service, level of rates, pending applications for rate increase, etc., which do not relate directly to the question of the accuracy of the bill.

If you do not make such a deposit with the commission within 15 days after SoCalGas notifies you of your right to do so, SoCalGas may discontinue your service for non-payment.

Billing Term Definitions

Baseline - Amount of gas billed at the lowest residential rate.

Billing Factor - Adjusts for differences in elevation, delivery pressure and the heating content of gas.

Climate Zone - Weather zone in which a customer lives. Colder zones receive more baseline allowance.

Customer Charge - Charge to recover costs of gas delivery including reading meters, preparing bills, and processing payments.

Gas Commodity Charge - Cost of gas purchased by SoCalGas on behalf of its customers.

Payment Due Date - Payment due date shown on the front bottom portion of the bill is for current charges only; it does not stop collection activity on an unpaid previous balance.

Public Purpose Surcharge - Charge to fund Public Purpose Programs such as California Alternate Rates for Energy (CARE), Energy Savings Assistance Program (ESAP), energy efficiency and research and development. CARE customers pay a reduced surcharge which excludes CARE program costs.

Rate - Identifies the rate schedule used to calculate your bill. You may review these rate schedules at a local office of SoCalGas or at socalgas.com

State Regulatory Fee - A fee used to fund the California Public Utilities Commission. Each customer's fee is determined by the number of therms used.

Therms - Standard unit of measuring heat energy.

Utility Users' Tax - Tax charged by some cities and counties based on the amount of the current monthly gas bill. These cities and counties require SoCalGas to collect this Utilities Users' Tax for them.

Other Important Phone Numbers

For the following, call Monday - Friday, 8am-5pm:

- 粵語 電話 Cantonese **1-800-427-1420**
- 한국어 전화 Korean **1-800-427-0471**
- 國語 電話 Mandarin **1-800-427-1429**
- NÓI TIẾNG VIỆT Vietnamese **1-800-427-0478**

Self Service Options available 24

hours a day, 7 days a week **1-800-772-5050**
 For information regarding payment arrangements, office locations, account balance, billing recap, duplicate bill and CARE applications for income qualified customers.

To locate underground cables & gas pipes, please call DigAlert, Monday-Friday, 6am-7pm **8-1-1**

Payment Options \$

Online: It's fast, easy and free. Just register or sign into My Account at <https://myaccount.socalgas.com>

Home banking: If you pay bills online through your bank, check with them, to see if you can receive your bill online.

Direct Debit: Have your payment automatically deducted from your account. For more information, call 1-800-427-2200 or visit socalgas.com

Pay by Phone: Call 1-800-427-2700 to enroll or, if already enrolled, call to authorize a payment from your checking account.

By Mail: Mail your check or money order, along with the payment stub at the bottom of your bill, in the enclosed envelope to SoCalGas, PO Box C, Monterey Park, CA 91756

ATM/Debit/Credit Card or Electronic Check: You can use most major ATM/debit cards, VISA and MasterCard credit cards, or the Electronic Check thru BillMatrix. A convenience fee is charged. Contact BillMatrix at 1-800-232-6629 or visit socalgas.com.

In Person: Pay in person at one of our conveniently located payment locations. To find the nearest location and hours of operation, call 1-800-427-2200 or visit socalgas.com.

SoCalGas Payment Locations

Authorize Payment Agencies - Call the Self Service Options number 1-800-772-5050 for the addresses of payment agencies in your area.

Company Offices

Alhambra, 333 E. Main St. Suite J
 Anaheim, 716 S. State College Blvd.
 Banning, 60 E. Ramsey St. #A
 Commerce, 5708 E. Whittier Blvd.
 Compton, 700 N. Long Beach Blvd.
 Corona, 341 S. Lincoln Ave. #A
 Covina, 932 N. Citrus Ave.
 Delano, 1227 Jefferson St.
 Dinuba, 239 E. Tulare St.
 El Centro, 1111 W. Main St.
 El Monte, 11912 Valley Blvd., Suite B
 Fontana, 9781 Sierra Ave. #C
 Glendale, 919 S. Central Ave. #B
 Hanford, 321 N. Douty St., Suite B
 Hemet, 527 N. San Jacinto St.

Hollywood, 1811 Hillhurst Ave.
 Huntington Park, 5916 Pacific Blvd.
 Indio, 45123 Towne Ave.
 Inglewood, 3530 W. Century Blvd. Ste. 102
 Lancaster, 2065 W. Avenue K
 Lompoc, 128 S. "H" St.
 Los Angeles, 3739 Crenshaw Blvd. #C
 Los Angeles, 4619 S. Central Ave.
 Los Angeles, 2522 N. Daly St.
 Ontario, 962 N. Mountain Ave.
 Oxnard, 1640 E. Gonzales Rd.
 Palm Springs, 211 N. Sunrise Way
 Pasadena, 1214 E. Green St. #102
 Pomona, 196 E. 3rd St.
 Porterville, 59 W. Thurman Ave.

Riverside, 7000 Indiana Ave. #105
 San Bernardino, 1136 N. Mount Vernon Ave. #305
 San Fernando, 444 S. Brand Blvd. Ste.101
 San Luis Obispo, 1314 Broad St.
 San Pedro, 1851 N. Gaffey St. Suite A
 Santa Ana, 738 S. Harbor Blvd.
 Santa Barbara, 134 E. Victoria St.
 Santa Fe Spring, 11516 Telegraph Rd.
 Santa Maria, 550 E. Betteravia Rd. Suite B
 South Gate, 3530 Tweedy Blvd.
 Van Nuys, 6550 Van Nuys Blvd.
 Visalia, 1305 E. Noble Ave.
 Watts, 1665 E. 103rd St.
 Wilmington, 929 N. Avalon Blvd.

Drop Box Location

Burbank, Public Service Department, 164 W. Magnolia

Sample of Core Commercial and Industrial Service Bill Format



A meter calibration adjustment factor has been incorporated in the Billing Factor for this bill period. The calibration factor corrects small meter registration inaccuracies, effectively reducing the recorded registration by 2%.

Account Summary

Amount of Last Bill			\$2,000.83
Payment Received	11/07/18	THANK YOU	- 2,000.83
Current Charges			+ 2,406.90
Total Amount Due			\$2,406.90

.7% Late Payment Charge Due if Paid After DEC 11, 2018

This bill reflects modified gas charges due to a rate change.

Current Charges

Rate: GN-10 - Non-Residential

Meter Number: (Next scheduled read date Dec 14 2018) Cycle: 11

Billing Period	Days	Current Reading	Previous Reading	= Difference	x Billing Factor	x BTU Factor	= Total Therms
10/12/18 - 11/13/18	32	16438	13795	2643	1.300	1.030	3438

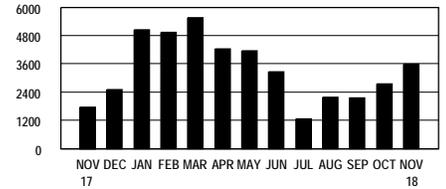
GAS CHARGES	Amount(\$)
Customer Charge	32 Days x \$.49315
	15.78

Gas Transportation (Details below)	3,438 Therms	
	Tier 1	Tier 2
Therms used	250	3,188
Rate/Therm	\$.54937	\$.29988
Charge	\$137.34	+ \$956.01
		= 1,093.35

Gas Commodity	3,438 Therms x \$.31166	1,071.49
	Total Gas Charges \$2,180.62	

DATE DUE	Dec 7, 2018
AMOUNT DUE	\$2,406.90

Gas Usage History (Total Therms used)



	Nov 17	Oct 18	Nov 18
Total Therms used	1,772	2,770	3,612
Daily average Therms	53.7	92.3	112.9
Days in billing cycle	33	30	32

SoCalGas' gas commodity cost per therm for your billing period:
Nov. \$.35980 Oct. \$.27872

PLEASE KEEP THIS PORTION FOR YOUR RECORDS. (FAVOR DE GUARDAR ESTA PARTE PARA SUS REGISTROS.)

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT. (FAVOR DE DEVOLVER ESTA PARTE CON SU PAGO.)



SERVICE ADDRESS

Save Paper & Postage
PAY ONLINE
socalgas.com

ACCOUNT NUMBER

DATE DUE	Dec 7, 2018
AMOUNT DUE	\$2,406.90

Please enter amount enclosed.

\$

Write account number on check and make payable to SoCalGas.

SoCalGas
PO BOX C
MONTEREY PARK CA 91756-5111

CV 11 3763 0693



ACCOUNT NUMBER
 DATE DUE AMOUNT DUE
 Dec 7, 2018 \$2,406.90

DATE MAILED Nov 15, 2018 Page 2 of 2
1-800-427-2000 English
 1-800-427-6029 Español

socalgas.com

TAXES & FEES ON GAS CHARGES

		Amount(\$)
State Regulatory Fee	3,438 Therms x \$.00166	5.70
Public Purpose Surcharge	3,438 Therms x \$.06416	220.58
Total Taxes and Fees on Gas Charges		\$226.28
Total Current Charges		\$2,406.90

SoCalGas Policies and Notices

Electronic Check Processing - When you pay your bill by check, you authorize us to electronically process your payment. If your check is processed electronically, your checking account may be debited on the same day we receive the check. Your check will not be returned by your bank, however, the transaction will appear on your bank statement. *If you do not wish to participate in this program, please have your account number ready and call 1-877-272-3303.*

Closing your Gas Service - We require two (2) working days and access to the meter to close your gas service.

Information about Deposits
Amount of Deposit - The amount of deposit required to establish or re-establish service credit is twice the estimated average periodic bill.

Return of Deposit/Interest on Deposit - This deposit, together with any interest due, less the amount of any unpaid bills, will normally be returned either on discontinuance of service or after the deposit has been held for twelve (12) consecutive months, during which time continuous gas service has been received and all bills for such service have been paid in accordance with the rules in effect and filed with the Public Utilities Commission of the State of California. No interest will be paid if the service is temporarily or permanently discontinued for non-payment of bills.

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- 國語電話 Mandarin **1-800-427-1429**
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Payment Options \$

Online: It's fast, easy and free. Just register or sign into My Account at <https://myaccount.socalgas.com>

Home banking: If you pay bills online through your bank, check with them, to see if you can receive your bill online.

Direct Debit: Have your payment automatically deducted from your account. For more information, call 1-800-427-2200 or visit socalgas.com

Pay by Phone: Call 1-800-427-2700 to enroll or, if already enrolled, call to authorize a payment from your checking account.

By Mail: Mail your check or money order, along with the payment stub at the bottom of your bill, in the enclosed envelope to SoCalGas, PO Box C, Monterey Park, CA 91756

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In Person: Pay in person at one of our conveniently located payment locations. To find the nearest location and hours of operation, call 1-800-427-2200 or visit socalgas.com.

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 Covina, 932 N. Citrus Ave.
 Delano, 1227 Jefferson St.
 Dinuba, 239 E. Tulare St.
 El Centro, 1111 W. Main St.
 El Monte, 11912 Valley Blvd., Suite B
 Fontana, 9781 Sierra Ave. #C
 Glendale, 919 S. Central Ave. #B
 Hanford, 321 N. Douty St., Suite B
 Hemet, 527 N. San Jacinto St.

Hollywood, 1811 Hillhurst Ave.
 Huntington Park, 5916 Pacific Blvd.
 Indio, 45123 Towne Ave.
 Inglewood, 3530 W. Century Blvd. Ste. 102
 Lancaster, 2065 W. Avenue K
 Lompoc, 128 S. "H" St.
 Los Angeles, 3739 Crenshaw Blvd. #C
 Los Angeles, 4619 S. Central Ave.
 Los Angeles, 2522 N. Daly St.
 Ontario, 962 N. Mountain Ave.
 Oxnard, 1640 E. Gonzales Rd.
 Palm Springs, 211 N. Sunrise Way
 Pasadena, 1214 E. Green St. #102
 Pomona, 196 E. 3rd St.
 Porterville, 59 W. Thurman Ave.

Riverside, 7000 Indiana Ave. #105
 San Bernardino, 1136 N. Mount Vernon Ave. #305
 San Fernando, 444 S. Brand Blvd. Ste.101
 San Luis Obispo, 2240 Emily St. Suite 140
 San Pedro, 1851 N. Gaffey St. Suite A
 Santa Ana, 738 S. Harbor Blvd.
 Santa Barbara, 134 E. Victoria St.
 Santa Fe Spring, 11516 Telegraph Rd.
 Santa Maria, 550 E. Betteravia Rd. Suite B
 South Gate, 3530 Tweedy Blvd.
 Van Nuys, 6550 Van Nuys Blvd.
 Visalia, 1305 E. Noble Ave.
 Watts, 1665 E. 103rd St.
 Wilmington, 929 N. Avalon Blvd.

Drop Box Location

Burbank, Public Service Department, 164 W. Magnolia