

Rate Year COLA Mechanism

Recology Sunset Scavenger/Recology Golden GateEffective with the Rate Increase **January 1, 2023**

Fixed Labor	
Percent change per agreements	10.00%
Weight	52.50%
Adjustment	5.25%
Variable Labor	
SF CPI-U, April of the Prior Year	309.419
SF CPI-U, October of the Commencing Year	332.062
Percent change	7.32%
Weight	6.70%
Adjustment	0.49%
Health and welfare	
Mercer analysis	4.40%
Weight	12.10%
Adjustment	0.53%
Pension	
Percent contribution change per Towers Report	0.00%
Weight	6.80%
Adjustment	0.00%
Renewable diesel	
Weekly California No. 2 Diesel retail Prices, April of the Prior Year	3.986
Weekly California No. 2 Diesel retail Prices, October of the Commencing Year	6.254
Percent change	56.90%
Weight	0.85%
Adjustment	0.48%
Natural gas fuel	
PG&E Series G-NGV1, April of the Prior Year	0.75625
PG&E Series G-NGV1, October of the Commencing Year	1.54227
Percent change	103.94%
Weight	0.15%
Adjustment	0.16%
Materials	
PPI Commodity data, April of the Prior Year	155.500
PPI Commodity data, October of the Commencing Year	171.277
Percent change	10.15%
Weight	14.30%
Adjustment	1.45%
Capital	
No Inflation	-
Weight	6.60%
Adjustment	0.00%
COLA Increase	8.36%
Proposed Rate Increase - Per Director's Report	
RY 2021 Tier 1 & 2 Zero Waste Incentive Fund Rebate Add Back	1.08%
RY 2021 Tier 3 & 4 Zero Waste Incentive Fund Rebate Add Back	1.08%
RY 2022 Tier 1 & 2 Zero Waste Incentive Fund Rebate (9 Mo. 01/01/23 - 09/30/23)	-0.83%
RY 2022 Tier 3 & 4 Zero Waste Incentive Fund Rebate (9 Mo. 01/01/23 - 09/30/23)	-0.83%
Net Cost of Living Increase	8.86%

Note: An 18 month range was used in calculating the labor, diesel, natural gas and materials PPI due to delaying a COLA adjustment for six months from July 1, 2022 to January 1, 2023.

Rate Year COLA Mechanism
Recology San Francisco
 Effective with the Rate Increase **July 1, 2022**

Fixed Labor	
Percent change per agreements	6.00%
Weight	40.80%
Adjustment	2.45%
Variable Labor	
SF CPI-U, April of the Prior Year	309.419
SF CPI-U, April of the Commencing Year	324.878
Percent change	5.00%
Weight	13.30%
Adjustment	0.67%
Health and welfare	
Mercer analysis	3.40%
Weight	10.40%
Adjustment	0.35%
Pension	
Percent contribution change per Towers Report	0.00%
Weight	4.80%
	0.00%
Renewable diesel	
Weekly California No. 2 Diesel retail Prices, April of the Prior Year	3.986
Weekly California No. 2 Diesel retail Prices, April of the Commencing Year	6.277
Percent change	57.48%
Weight	1.40%
	0.80%
Natural gas fuel	
PG&E Series G-NGV1, April of the Prior Year	0.75625
PG&E Series G-NGV1, April of the Commencing Year	1.13460
Percent change	50.03%
Weight	0.90%
	0.45%
Materials	
PPI Commodity data, April of the Prior Year	155.500
PPI Commodity data, April of the Commencing Year	163.654
Percent change	5.24%
Weight	23.60%
	1.24%
Capital	
No Inflation	-
Weight	4.80%
	0.00%
Total COLA Increase	5.96%

100.00%

RY22 Tipping Fee \$207.49
 RY23 Tipping Fee \$219.86

**RSF COLA Increase Effective 07/01/22*

Note: A 12 month range was used in calculating the labor, diesel, natural gas and materials PPI as per normal course of calculating the annual COLA adjustment. Since the RSF COLA was implemented timely on July 1, 2022, there is no change to the RSF COLA on January 1st 2023.

ZWI Rebate Calculations

Revenue requirement per Director's Report	\$319,920,752.00
RY2019 Rate Increase	7.45%
	<u>\$343,754,848.00</u>
RY2020 Rate Increase	2.11%
RY2020 Adjusted Revenue Requirement	\$351,008,075.00
RY2021 Rate Increase	3.50%
RY2021 Adjusted Revenue Requirement	\$363,293,358.00
RY2022 Rate Increase	1.56%
RY2022 Adjusted Revenue Requirement	\$368,960,734.00

RY 2021 ZWI Monthly Funding	\$663,375.00
RY 2021 ZWI Annual Funding	<u>\$7,960,500.00</u>
RY 2021 Tier 1 & 2 ZWI	\$3,980,250.00
RY 2021 Tier 3 & 4 ZWI	<u>\$3,980,250.00</u>
RY 2021 Tier 1 & 2 Zero Waste Incentive Fund Rebate Add Back	1.08% [2]
RY 2021 Tier 3 & 4 Zero Waste Incentive Fund Rebate Add Back	1.08%

RY 2022 ZWI Monthly Funding	\$683,150.00
RY 2022 ZWI - 9 Month Funding	<u>\$6,148,350.00</u>
RY 2022 Tier 1 & 2 ZWI	\$3,074,175.00
RY 2022 Tier 3 & 4 ZWI	<u>\$3,074,175.00</u>
RY 2022 Tier 1 & 2 Zero Waste Incentive Fund Rebate	-0.83% [1]
RY 2022 Tier 3 & 4 Zero Waste Incentive Fund Rebate	-0.83%

Per the 2017 Director's Report and Recommended Orders, if Recology does not achieve the Tier 1 and Tier 2 disposal tonnage targets, the amount of ZWI contributions for these Tiers can be used to offset future COLA adjustments. For Tiers 3 and 4, if Recology does not intend to propose any projects for increasing diversion, the amounts contributed into Tiers 3 and 4 can be used to offset future COLA adjustments.

The ZWI funding for each rate year is established by taking the revenue requirement set in 2017's Rate Application and inflated annually by Sunset and Golden Gate's cost of living adjustment.

There are two components of the ZWI adjustment to COLA:

Note [1] The reduction of -0.83% x 2 (Tiers 1-2 and Tiers 3-4) from the COLA calculation is Recology using last year's ZWI contributions to delay the increase from rate payers.

Note [2] 1.08% x 2 is added back to the COLA percentage due to taking the same percentage as a reduction to RY22's rate increase. See published RY22's COLA calculation. The same percentages was used last year as a means of delaying a portion of the rate increase for rate payers. As Recology is entitled to an annual Revenue requirement, this percentage is added back in the current COLA calculation to ensure Recology achieves the full Revenue requirement for RY2021.

COLLECTIVE BARGAINING AGREEMENT

January 1, 2022 – December 31, 2026

BETWEEN

**RECOLOGY SUNSET SCAVENGER & RECOLOGY GOLDEN
GATE**

AND

**SANITARY TRUCK DRIVERS AND HELPERS UNION
LOCAL 350, IBT**

regulations for discipline, efficiency, and safety, providing, however, that exercise of such rights shall not conflict with the following provisions of this Agreement.

SECTION 5. JOB CLASSIFICATION AND WAGE RATES

(a) All occupations to which employees within the respective bargaining units are or may be assigned are classified into categories listed below. It is understood that the determination and operation of the job classification is the function and responsibility of the Employers and placement of employees in any of the following classifications shall be subject to the requirements of the Employers. Job descriptions for each of the classifications which are covered by this Agreement and which are utilized by the Employers are set forth in Section 23 of this Agreement.

(b) Each employee will be assigned to a classification, the duties of which he/she is competent to perform and which generally reflects his normal work. The fact that a job classification is listed herein does not necessarily mean that it must be utilized by the Employers.

(c) Any employee assigned by his Employers (Golden Gate or Sunset Scavenger) to perform work for any other Recology company shall, for the duration of such assignment, remain subject to the terms and conditions of this Agreement. Neither Employer shall assign its Regulated work, maintenance or shop work to employees of the other Employer.

(d) Any dispute involving job classifications shall be settled in accordance with the procedures set forth in Section 16 hereof.

WAGE RATES:

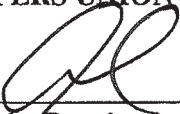
		6.00%	4.00%	3.50%	3.50%	3.50%
Position	Current	1/1/22	1/1/23	1/1/24	1/1/25	1/1/26
Helper/Driver	\$ 50.61	\$53.65	\$55.79	\$57.75	\$49.77	\$61.86
Recycling Collector	\$ 53.13	\$56.32	\$58.57	\$60.62	\$62.74	\$64.94
Commercial Driver	\$ 53.13	\$56.32	\$58.57	\$60.62	\$62.74	\$64.94
Route Leadperson/Fan 3	\$ 53.13	\$56.32	\$58.57	\$60.62	\$62.74	\$64.94
Shop Foreperson	\$ 59.89	\$63.48	\$66.02	\$68.33	\$70.73	\$73.20
Assistant Shop Foreperson	\$ 55.19	\$58.50	\$60.84	\$62.97	\$65.17	\$67.46
Mechanic/Truck Welder	\$ 54.41	\$57.67	\$59.98	\$62.08	\$64.25	\$66.50
Shop Person	\$ 51.61	\$54.71	\$56.89	\$58.89	\$60.95	\$63.08

Any Employee who is required to maintain a Class A drivers license for the purpose of performing work, shall receive the same wages as the Transfer Drivers in the Recology SF “Long Haul” CBA.

Employees in the Cart Department/Shop Person classification shall be paid at their classification rate of pay (Helper/Driver or Shop Person); if an Employee drives to make deliveries and/or collections, he/she shall be paid at the Fan 3 rate of pay.

FOR UNION:

**SANITARY TRUCK DRIVERS AND
HELPERS UNION LOCAL 350**

By:  4/22/22
John Bouchard
Secretary-Treasurer

FOR EMPLOYERS:

**RECOLOGY GOLDEN GATE and
RECOLOGY SUNSET SCAVENGER**

By: Anthony S. Crescenti April 20, 2022
Anthony Crescenti
General Manager, Sunset Scavenger

By: Daniel P Shea Digitally signed by Daniel P Shea
Date: 2022.04.20 17:24:52 -07'00'
Daniel Shea
Vice President and Regional Manager

CPI for All Urban Consumers (CPI-U)
Original Data Value

Series Id: CUURS49BSA0
Not Seasonally Adjusted
Series Title: All items in San Francisco-Oakland-Hayward, CA, all
Area: San Francisco-Oakland-Hayward, CA
Item: All items
Base Period: 1982-84=100
Years: 2012 to 2022

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2012		236.880		238.985		239.806		241.170		242.834		239.533	239.650	238.099	241.201
2013		242.677		244.675		245.935		246.072		246.617		245.711	245.023	243.894	246.152
2014		248.615		251.495		253.317		253.354		254.503		252.273	251.985	250.507	253.463
2015		254.910		257.622		259.117		259.917		261.019		260.289	258.572	256.723	260.421
2016		262.600		264.565		266.041		267.853		270.306		269.483	266.344	263.911	268.777
2017		271.626		274.589		275.304		275.893		277.570		277.414	274.924	273.306	276.542
2018		281.308		283.422		286.062		287.664		289.673		289.896	285.550	282.666	288.435
2019		291.227		294.801		295.259		295.490		298.443		297.007	295.004	293.150	296.859
2020		299.690		298.074		300.032		300.182		301.736		302.948	300.084	299.109	301.059
2021		304.387		309.419		309.497		311.167		313.265		315.805	309.721	306.724	312.718
2022		320.195		324.878		330.539		328.871		332.062				323.408	



Eric Sock, FSA, MAAA
Principal

Bruce MacKenzie
VP, Sr. Director, Finance
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San Francisco, CA 94111

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+1 720 297 6112
eric.sock@mercer.com
www.mercer.com

May 13, 2022

Subject: Five Year Historical Weighted Average Trend

Dear Bruce:

This letter references Mercer’s estimate of Recology’s five-year historical weighted average trend for the active San Francisco employee population. Based on the calculation methodology detailed below, we estimate that this trend is 3.4% for the combined medical/Rx, dental, and EAP costs. This estimated trend of 3.4% is based on Recology’s historical experience adjusted to account for the impact of COVID-19; however, we have also reviewed Mercer’s trend guidelines as they relate to Recology’s plans and provided the analysis under *Observations* for context.

Methodology

We used Recology’s historical data that included fully insured medical/Rx, dental, and EAP renewal rate increases as well as the changes in per capita claim rates for the self-insured medical/Rx and dental plans for the years 2017-2021 adjusted for the impact of COVID-19. These rates relate to the medical/Rx and dental plans that cover Recology’s active San Francisco population.

The annual fully insured premium rate and self-insured claim changes are listed below:

	5 Year Weighted Avg.	2021	2020	2019	2018	2017
Aetna PPO	-0.5%	3.7%	-11.6%	2.9%	13.9%	-15.7%
Aetna Select	6.4%	3.4%	10.5%	15.3%	-1.9%	-4.5%
Kaiser CA	2.5%	-4.7%	14.9%	0.0%	0.0%	1.9%
Delta Dental	-1.6%	-8.2%	9.4%	-6.0%	0.0%	-1.6%
DeltaCare DHMO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lyra – EAP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

We calculated the five-year weighted average trend adjustments based on Recology’s experience by plan using 5:4:3:2:1 weighting. This means that the most recent year’s trend is given a weighting of 5, the previous year is given a weighting of 4 and so on with the earliest year getting a weighting of 1. This methodology gives higher

credibility to more recent years' experience, as these years are likely to be more representative of current market conditions and Recology's current demographics and claims experience.

After calculating the COVID-19 adjusted, weighted average trend by plan, a combined rate is produced by weighting each rate by the projected 2022 cost for each plan. This produces a combined medical/Rx and dental rate of 3.4%.

Please note that these estimates reflect adjustments for COVID-19, which have impacted Recology's 2020 and 2021 trend. We employed our proprietary models to estimate the effect COVID had on 2021 claims. Based on that, we are estimating 2021 claims were dampened by 2.5% and 0.4% for the medical and dental programs, respectively. (Because the insured premiums include the insurers' estimates of the impact of COVID-19, we have not adjusted the reported increases for insured plans.) Without accounting for this dampening, the 2021 trend rates would have been as summarized in the table below.

Plan	2021 Unadjusted Trend
PPO/HDHP	7.3%
EPO	6.9%
Delta Dental	11.8%

The resulting estimated combined trend rate for all lines of coverage in the absence of COVID-19 is therefore estimated to be 3.4% in 2021.

Observations

For an employee population of this size, Mercer does not typically use the group's own historical trend experience when projecting future costs. For groups with fewer than 10,000 employees trend figures can be volatile and do not typically observe a predictable pattern. For this reason, we would tend to use a more general trend rate based on market experience and conditions when projecting future costs.

We have performed a similar analysis to the above based on Mercer's guideline trend assumptions for the same five-year period issued by Mercer's Actuarial and Financial Group. This analysis, which does not include any Recology-specific data other than weightings by plan type, produces a combined medical/Rx and dental trend rate of 6.3%.

Impact of COVID-19

At this time, the impact of COVID-19 on future healthcare costs is uncertain. Depending on many factors, the net effect on healthcare trend leading up to 2023 could be an increase or decrease. These factors include, but are not limited to:

- Duration of the pandemic
- Utilization of and costs of vaccines and treatment
- Changes in member behavior (such as increased utilization of telemedicine)
- Deferral of certain procedures

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May 13, 2022
Bruce MacKenzie
Recology Inc.

We will continue to monitor the situation and will provide additional information as it becomes available. ***Please note that all estimates, based on the information and data available at a point in time, are subject to unforeseen and random events. Therefore, any projection must be interpreted as having a likely range of variability from the estimate. Any estimate or projection may not be used or relied upon by any other party or for any other purpose than for which it was issued by Mercer. Mercer is not responsible for the consequences of any unauthorized use.***

Sincerely,



Eric Sock, FSA, MAAA

Copy:
Recology Team
Mercer Team



Lisa Matthisen, ASA, MAAA
Principal

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November 18, 2022

Subject: Five Year Historical Weighted Average Trend

Dear Bruce:

This letter references Mercer’s estimate of Recology’s five-year historical weighted average trend for the active San Francisco employee population. Based on the calculation methodology detailed below, we estimate that this trend is 1.0% for the combined medical/Rx, dental, and EAP costs. This estimated trend of 1.0% is based on Recology’s historical experience adjusted to account for the impact of COVID-19; however, we have also reviewed Mercer’s trend guidelines as they relate to Recology’s plans and provided the analysis under *Observations* for context.

Methodology

We used Recology’s historical data that included fully insured medical/Rx, dental, and EAP renewal rate increases as well as the changes in per capita claim rates for the self-insured medical/Rx and dental plans for the years 2017-2022 (through September 2022) adjusted for the impact of COVID-19. **Note that we estimated full-year 2022 claims by applying a factor of 4/3 to claims through September.** These rates relate to the medical/Rx and dental plans that cover Recology’s active San Francisco population.

The annual fully insured premium rate and self-insured claim changes are listed below:

	5 Year Weighted Avg.	2022	2021	2020	2019	2018
Aetna PPO	-3.7%	-11.2%	3.7%	-11.6%	2.9%	13.9%
Aetna Select	0.7%	-12.5%	3.4%	10.5%	15.3%	-1.9%
Kaiser CA	3.7%	6.0%	-4.7%	14.9%	0.0%	0.0%
Delta Dental	-3.4%	-6.8%	-8.2%	9.4%	-6.0%	0.0%
DeltaCare DHMO	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lyra – EAP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

We calculated the five-year weighted average trend adjustments based on Recology’s experience by plan using 5:4:3:2:1 weighting. This means that the most recent year’s trend is given a weighting of 5, the previous year is given a weighting of 4 and so on with the earliest year getting a weighting of 1. This methodology gives higher

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Bruce MacKenzie
Recology Inc.

credibility to more recent years' experience, as these years are likely to be more representative of current market conditions and Recology's current demographics and claims experience.

After calculating the COVID-19 adjusted, weighted average trend by plan, a combined rate is produced by weighting each rate by the projected 2023 cost for each plan. This produces a combined medical/Rx and dental rate of 1.0%.

Please note that these estimates reflect adjustments for COVID-19, which have impacted Recology's 2020 and 2021 trend. **Note that we have not made any COVID-19 related adjustments to 2022 data.**

Observations

For an employee population of this size, Mercer does not typically use the group's own historical trend experience when projecting future costs. For groups with fewer than 10,000 employees trend figures can be volatile and do not typically observe a predictable pattern. For this reason, we would tend to use a more general trend rate based on market experience and conditions when projecting future costs.

We have performed a similar analysis to the above based on Mercer's guideline trend assumptions for the same five-year period issued by Mercer's Actuarial and Financial Group. This analysis, which does not include any Recology-specific data other than weightings by plan type, produces a combined medical/Rx and dental trend rate of 6.3%.

Impact of COVID-19

At this time, the impact of COVID-19 on future healthcare costs is uncertain. Depending on many factors, the net effect on healthcare trend leading up to 2023 could be an increase or decrease. These factors include, but are not limited to:

- Duration of the pandemic
- Utilization of and costs of vaccines and treatment
- Changes in member behavior (such as increased utilization of telemedicine)
- Deferral of certain procedures

We will continue to monitor the situation and will provide additional information as it becomes available. ***Please note that all estimates, based on the information and data available at a point in time, are subject to unforeseen and random events. Therefore, any projection must be interpreted as having a likely range of variability from the estimate. Any estimate or projection may not be used or relied upon by any other party or for any other purpose than for which it was issued by Mercer. Mercer is not responsible for the consequences of any unauthorized use.***

Sincerely,

Lisa Matthisen, ASA, MAAA

Copy:
Recology Team
Mercer Team

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November 18, 2022
Bruce MacKenzie
Recology Inc.



November 18, 2022

Mark Lomele
50 California Street, 24th Floor
San Francisco, CA 94111

Todd Rydstrom
City Hall, Room 316
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102

Re: January 1, 2023 Cost-Of-Living Adjustment

Contributions to the Recology pension plan have remained constant compared to prior year. As such, the pension portion of the cost-of-living adjustment as stipulated in section 8 of the Director's Report is 0%.

Sincerely,

DocuSigned by:

337B55B70F774E5...

Mark Lomele
President & Chief Financial Officer, Recology Inc.

Weekly California No 2 Diesel Retail Prices

https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=EMD_EPD2D_PTE_SCA_DPG&f=W

17:55:29 GMT-0800 (Pacific Standard Time)

Source: U.S. Energy Information Administration

Week of Weekly California No 2 Diesel Retail Prices Dollars per Gallon

11/7/2022	6.191
10/31/2022	6.254
10/24/2022	6.331
10/17/2022	6.499
10/10/2022	6.489
10/3/2022	6.077
9/26/2022	6.11
9/19/2022	6.149
9/12/2022	6.164
9/5/2022	6.174
8/29/2022	6.202
8/22/2022	6.029
8/15/2022	6.019
8/8/2022	6.097
8/1/2022	6.266
7/25/2022	6.389
7/18/2022	6.516
7/11/2022	6.665
7/4/2022	6.779
6/27/2022	6.863
6/20/2022	6.915
6/13/2022	6.887
6/6/2022	6.831
5/30/2022	6.542
5/23/2022	6.502
5/16/2022	6.477
5/9/2022	6.461
5/2/2022	6.412
4/25/2022	6.277
4/18/2022	6.25
4/11/2022	6.223
4/4/2022	6.289
3/28/2022	6.289
3/21/2022	6.218
3/14/2022	6.264
3/7/2022	5.759
2/28/2022	5.077
2/21/2022	5.051
2/14/2022	4.994
2/7/2022	4.949
1/31/2022	4.862
1/24/2022	4.824

1/17/2022	4.789
1/10/2022	4.782
1/3/2022	4.758
12/27/2021	4.771
12/20/2021	4.768
12/13/2021	4.775
12/6/2021	4.789
11/29/2021	4.818
11/22/2021	4.784
11/15/2021	4.769
11/8/2021	4.701
11/1/2021	4.651
10/25/2021	4.6
10/18/2021	4.53
10/11/2021	4.425
10/4/2021	4.369
9/27/2021	4.339
9/20/2021	4.329
9/13/2021	4.313
9/6/2021	4.316
8/30/2021	4.291
8/23/2021	4.284
8/16/2021	4.319
8/9/2021	4.288
8/2/2021	4.271
7/26/2021	4.204
7/19/2021	4.205
7/12/2021	4.187
7/5/2021	4.185
6/28/2021	4.127
6/21/2021	4.099
6/14/2021	4.084
6/7/2021	4.069
5/31/2021	4.055
5/24/2021	4.047
5/17/2021	4.029
5/10/2021	4.008
5/3/2021	3.983
4/26/2021	3.986
4/19/2021	3.977
4/12/2021	3.975
4/5/2021	3.981
3/29/2021	3.982
3/22/2021	3.98
3/15/2021	3.951
3/8/2021	3.897
3/1/2021	3.846

Pacific Gas and Electric Company

Schedule G-NGV1
 Natural Gas Service for Compression^{1/}
 on Customers' Premises
 January 1, 2021, to Present
 (\$/therm^{2/})

Effective Date	Advice Number	Customer Charge	Procurement Charge	Transportation Charge	Total G-NGV1 Charge ^{4/}	Cap-and-Trade Cost Exemption Credit ^{5/}	PPP Surcharge ^{4/}
		(\$/day)					
01/01/21	4347-G	\$0.44121	\$0.42688	\$0.52017	\$0.94705	\$0.07366	\$0.04308
02/01/21	4372-G	\$0.44121	\$0.42371	\$0.52017	\$0.94388	\$0.07366	\$0.04308
03/01/21	4390-G	\$0.44121	\$0.35715	\$0.55521	\$0.91236	\$0.07366	\$0.04308
04/01/21	4408-G	\$0.44121	\$0.15796	\$0.55521	\$0.71317	\$0.07366	\$0.04308
05/01/21	4426-G	\$0.44121	\$0.14327	\$0.55521	\$0.69848	\$0.07366	\$0.04308
06/01/21	4439-G	\$0.44121	\$0.15061	\$0.55433	\$0.70494	\$0.07366	\$0.04308
07/01/21	4455-G	\$0.44121	\$0.12506	\$0.55433	\$0.67939	\$0.07366	\$0.04308
08/01/21	4470-G	\$0.44121	\$0.15999	\$0.55433	\$0.71432	\$0.07366	\$0.04308
09/01/21	4480-G	\$0.44121	\$0.37864	\$0.55433	\$0.93297	\$0.07366	\$0.04308
10/01/21	4497-G	\$0.44121	\$0.61632	\$0.55433	\$1.17065	\$0.07366	\$0.04308
11/01/21	4515-G	\$0.44121	\$0.74245	\$0.55433	\$1.29678	\$0.07366	\$0.04308
12/01/21	4532-G	\$0.44121	\$0.75586	\$0.55433	\$1.31019	\$0.07366	\$0.04308
01/01/22	4542-G	\$0.44121	\$0.69158	\$0.64160	\$1.33318	\$0.10234	\$0.04380
02/01/22	4559-G	\$0.44121	\$0.66224	\$0.64160	\$1.30384	\$0.10234	\$0.04380
03/01/22	4578-G	\$0.44121	\$0.54679	\$0.64160	\$1.18839	\$0.10234	\$0.04380
04/01/22	4589-G	\$0.44121	\$0.45563	\$0.63517	\$1.09080	\$0.10235	\$0.04380
05/01/22	4602-G	\$0.44121	\$0.56892	\$0.63517	\$1.20409	\$0.10235	\$0.04380
06/01/22	4614-G	\$0.44121	\$0.62615	\$0.63517	\$1.26132	\$0.10235	\$0.04380
07/01/22	4622-G	\$0.44121	\$0.66807	\$0.63517	\$1.30324	\$0.10235	\$0.04380
08/01/22	4638-G	\$0.44121	\$0.55218	\$0.66357	\$1.21575	\$0.10235	\$0.04380
09/01/22	4646-G	\$0.44121	\$0.73792	\$0.66357	\$1.40149	\$0.10235	\$0.04380
10/01/22	4659-G	\$0.44121	\$0.83490	\$0.66357	\$1.49847	\$0.10235	\$0.04380
11/01/22	4673-G	\$0.44121	\$0.87365 ^{3/}	\$0.66357	\$1.53722	\$0.10235	\$0.04380

^{1/} Rate Schedule G-NGV1 was converted to Standard Status, rather than Experimental, effective August 30, 2008, due to Advice Letter 2945-G.

^{2/} Unless otherwise noted.

^{3/} The procurement rate includes a charge of \$0.15001 per therm to reflect account balance amortizations in accordance with Advice Letter 3157-G. Schedule G-PPPS (Public Purpose Program surcharge) needs to be added to the Total G-NGV1 Charge for bill calculation.

^{4/} See Schedule G-PPPS for details and exempt customers.

^{5/} The Cap-and-Trade Cost Exemption Credit is applicable to Covered Entities (i.e., customers that currently have a direct obligation to pay for allowances directly to the Air Resources Board for their Greenhouse Gas (GHG) emissions) who will see a line item credit on their bill equal to \$0.10235 per therm times their monthly billed volumes. See tariff for further explanation.

Pacific Gas and Electric Company

Schedule G-NGV1
 Natural Gas Service for Compression^{1/}
 on Customers' Premises
 January 1, 2021, to Present
 (\$/therm^{2/})

Effective Date	Advice Number	Customer Charge	Procurement Charge	Transportation Charge	Total G-NGV1 Charge ^{4/}	Cap-and-Trade Cost Exemption Credit ^{5/}	PPP Surcharge ^{4/}
		(\$/day)					
01/01/21	4347-G	\$0.44121	\$0.42688	\$0.52017	\$0.94705	\$0.07366	\$0.04308
02/01/21	4372-G	\$0.44121	\$0.42371	\$0.52017	\$0.94388	\$0.07366	\$0.04308
03/01/21	4390-G	\$0.44121	\$0.35715	\$0.55521	\$0.91236	\$0.07366	\$0.04308
04/01/21	4408-G	\$0.44121	\$0.15796	\$0.55521	\$0.71317	\$0.07366	\$0.04308
05/01/21	4426-G	\$0.44121	\$0.14327	\$0.55521	\$0.69848	\$0.07366	\$0.04308
06/01/21	4439-G	\$0.44121	\$0.15061	\$0.55433	\$0.70494	\$0.07366	\$0.04308
07/01/21	4455-G	\$0.44121	\$0.12506	\$0.55433	\$0.67939	\$0.07366	\$0.04308
08/01/21	4470-G	\$0.44121	\$0.15999	\$0.55433	\$0.71432	\$0.07366	\$0.04308
09/01/21	4480-G	\$0.44121	\$0.37864	\$0.55433	\$0.93297	\$0.07366	\$0.04308
10/01/21	4497-G	\$0.44121	\$0.61632	\$0.55433	\$1.17065	\$0.07366	\$0.04308
11/01/21	4515-G	\$0.44121	\$0.74245	\$0.55433	\$1.29678	\$0.07366	\$0.04308
12/01/21	4532-G	\$0.44121	\$0.75586	\$0.55433	\$1.31019	\$0.07366	\$0.04308
01/01/22	4542-G	\$0.44121	\$0.69158	\$0.64160	\$1.33318	\$0.10234	\$0.04380
02/01/22	4559-G	\$0.44121	\$0.66224	\$0.64160	\$1.30384	\$0.10234	\$0.04380
03/01/22	4578-G	\$0.44121	\$0.54679	\$0.64160	\$1.18839	\$0.10234	\$0.04380
04/01/22	4589-G	\$0.44121	\$0.45563	\$0.63517	\$1.09080	\$0.10235	\$0.04380
05/01/22	4602-G	\$0.44121	\$0.56892	\$0.63517	\$1.20409	\$0.10235	\$0.04380
06/01/22	4614-G	\$0.44121	\$0.62615	\$0.63517	\$1.26132	\$0.10235	\$0.04380
07/01/22	4622-G	\$0.44121	\$0.66807	\$0.63517	\$1.30324	\$0.10235	\$0.04380
08/01/22	4638-G	\$0.44121	\$0.55218	\$0.66357	\$1.21575	\$0.10235	\$0.04380
09/01/22	4646-G	\$0.44121	\$0.73792	\$0.66357	\$1.40149	\$0.10235	\$0.04380
10/01/22	4659-G	\$0.44121	\$0.83490	\$0.66357	\$1.49847	\$0.10235	\$0.04380
11/01/22	4673-G	\$0.44121	\$0.87365 ^{3/}	\$0.66357	\$1.53722	\$0.10235	\$0.04380

^{1/} Rate Schedule G-NGV1 was converted to Standard Status, rather than Experimental, effective August 30, 2008, due to Advice Letter 2945-G.

^{2/} Unless otherwise noted.

^{3/} The procurement rate includes a charge of \$0.15001 per therm to reflect account balance amortizations in accordance with Advice Letter 3157-G. Schedule G-PPPS (Public Purpose Program surcharge) needs to be added to the Total G-NGV1 Charge for bill calculation.

^{4/} See Schedule G-PPPS for details and exempt customers.

^{5/} The Cap-and-Trade Cost Exemption Credit is applicable to Covered Entities (i.e., customers that currently have a direct obligation to pay for allowances directly to the Air Resources Board for their Greenhouse Gas (GHG) emissions) who will see a line item credit on their bill equal to \$0.10235 per therm times their monthly billed volumes. See tariff for further explanation.

FRED Graph Observations
Federal Reserve Economic Data
Link: <https://fred.stlouisfed.org>
Help: <https://fredhelp.stlouisfed.org>
Economic Research Division
Federal Reserve Bank of St. Louis

PCU562111562111 Producer Price Index by Industry: Solid Waste Collection, Index Dec 2003=100, Monthly, Not Seasonally Adjusted

Frequency: Monthly

observation_date	PCU562111562111
2003-12-01	100.000
2004-01-01	100.800
2004-02-01	101.300
2004-03-01	100.800
2004-04-01	101.300
2004-05-01	101.500
2004-06-01	101.500
2004-07-01	101.400
2004-08-01	101.400
2004-09-01	101.400
2004-10-01	101.500
2004-11-01	101.500
2004-12-01	101.500
2005-01-01	101.500
2005-02-01	101.500
2005-03-01	101.500
2005-04-01	102.500
2005-05-01	102.600
2005-06-01	102.600
2005-07-01	102.600
2005-08-01	102.600
2005-09-01	102.700
2005-10-01	103.400
2005-11-01	103.400
2005-12-01	103.400
2006-01-01	103.400
2006-02-01	104.000
2006-03-01	104.000
2006-04-01	104.000
2006-05-01	104.000
2006-06-01	104.200
2006-07-01	104.200
2006-08-01	104.500
2006-09-01	104.500
2006-10-01	104.700
2006-11-01	106.100
2006-12-01	106.000
2007-01-01	106.100
2007-02-01	106.200
2007-03-01	106.600
2007-04-01	107.200
2007-05-01	107.200
2007-06-01	107.200
2007-07-01	107.300
2007-08-01	107.900
2007-09-01	108.900
2007-10-01	109.000
2007-11-01	109.500
2007-12-01	108.400
2008-01-01	110.700
2008-02-01	112.100
2008-03-01	112.000
2008-04-01	112.200
2008-05-01	111.900
2008-06-01	112.600
2008-07-01	112.300
2008-08-01	113.300
2008-09-01	114.000
2008-10-01	113.000
2008-11-01	113.300

2008-12-01	111.300
2009-01-01	112.200
2009-02-01	113.300
2009-03-01	115.000
2009-04-01	115.000
2009-05-01	115.600
2009-06-01	114.900
2009-07-01	116.300
2009-08-01	116.700
2009-09-01	117.000
2009-10-01	116.900
2009-11-01	117.100
2009-12-01	116.100
2010-01-01	116.000
2010-02-01	115.500
2010-03-01	117.200
2010-04-01	117.900
2010-05-01	118.700
2010-06-01	118.600
2010-07-01	118.200
2010-08-01	118.800
2010-09-01	119.000
2010-10-01	119.100
2010-11-01	118.900
2010-12-01	118.300
2011-01-01	118.900
2011-02-01	119.200
2011-03-01	120.600
2011-04-01	120.700
2011-05-01	121.100
2011-06-01	120.400
2011-07-01	120.300
2011-08-01	120.700
2011-09-01	121.300
2011-10-01	121.500
2011-11-01	121.400
2011-12-01	120.900
2012-01-01	121.400
2012-02-01	121.600
2012-03-01	122.300
2012-04-01	122.500
2012-05-01	122.200
2012-06-01	121.800
2012-07-01	121.700
2012-08-01	122.100
2012-09-01	122.400
2012-10-01	122.600
2012-11-01	122.700
2012-12-01	122.500
2013-01-01	123.300
2013-02-01	123.500
2013-03-01	123.800
2013-04-01	124.000
2013-05-01	123.500
2013-06-01	123.600
2013-07-01	123.800
2013-08-01	124.500
2013-09-01	124.800
2013-10-01	124.800
2013-11-01	124.900
2013-12-01	124.700
2014-01-01	125.300
2014-02-01	125.700
2014-03-01	126.300
2014-04-01	126.500
2014-05-01	126.400
2014-06-01	126.300
2014-07-01	126.900
2014-08-01	127.700
2014-09-01	128.200
2014-10-01	128.600

2014-11-01	128.400
2014-12-01	128.100
2015-01-01	128.200
2015-02-01	128.300
2015-03-01	128.700
2015-04-01	128.900
2015-05-01	128.500
2015-06-01	128.000
2015-07-01	127.700
2015-08-01	128.800
2015-09-01	128.700
2015-10-01	128.900
2015-11-01	129.000
2015-12-01	128.300
2016-01-01	129.800
2016-02-01	130.400
2016-03-01	131.700
2016-04-01	132.600
2016-05-01	132.800
2016-06-01	132.700
2016-07-01	132.600
2016-08-01	133.100
2016-09-01	133.200
2016-10-01	133.000
2016-11-01	132.500
2016-12-01	132.300
2017-01-01	132.700
2017-02-01	133.200
2017-03-01	133.800
2017-04-01	135.000
2017-05-01	134.900
2017-06-01	134.900
2017-07-01	135.100
2017-08-01	135.500
2017-09-01	136.700
2017-10-01	137.200
2017-11-01	137.000
2017-12-01	137.000
2018-01-01	138.700
2018-02-01	139.900
2018-03-01	140.700
2018-04-01	141.700
2018-05-01	141.000
2018-06-01	140.300
2018-07-01	140.600
2018-08-01	141.100
2018-09-01	141.300
2018-10-01	141.600
2018-11-01	141.600
2018-12-01	141.500
2019-01-01	142.300
2019-02-01	142.900
2019-03-01	145.500
2019-04-01	145.900
2019-05-01	144.800
2019-06-01	144.300
2019-07-01	144.700
2019-08-01	145.300
2019-09-01	145.600
2019-10-01	145.900
2019-11-01	146.200
2019-12-01	146.300
2020-01-01	147.800
2020-02-01	148.500
2020-03-01	149.900
2020-04-01	150.200
2020-05-01	149.600
2020-06-01	148.300
2020-07-01	148.500
2020-08-01	149.200
2020-09-01	150.300

2020-10-01	151.500
2020-11-01	151.500
2020-12-01	151.000
2021-01-01	151.900
2021-02-01	153.300
2021-03-01	155.300
2021-04-01	155.500
2021-05-01	154.400
2021-06-01	153.700
2021-07-01	153.682
2021-08-01	154.194
2021-09-01	154.781
2021-10-01	156.182
2021-11-01	156.292
2021-12-01	156.451
2022-01-01	157.216
2022-02-01	159.419
2022-03-01	161.793
2022-04-01	163.654
2022-05-01	163.583
2022-06-01	163.487
2022-07-01	166.915
2022-08-01	168.119
2022-09-01	169.273
2022-10-01	171.277