

Exhibit No: \_\_\_\_\_  
Application: A.19-02-015  
Witness: Grant Wooden and Reginald M. Austria  
Chapter: 10

**PREPARED SECOND SUPPLEMENTAL DIRECT TESTIMONY OF  
GRANT WOODEN AND REGINALD M. AUSTRIA  
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY (U 904 G)  
AND SAN DIEGO GAS & ELECTRIC COMPANY (U 902 G)**

March 4, 2020

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1 **CHAPTER 10**

2 **PREPARED SECOND SUPPLEMENTAL DIRECT TESTIMONY OF**

3 **GRANT WOODEN AND REGINALD M. AUSTRIA**

4 **ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY (U 904 G)**

5 **AND SAN DIEGO GAS & ELECTRIC COMPANY (U 902 G)**

6 **I. PURPOSE**

7 The purpose of this prepared second supplemental direct testimony on behalf of Southern  
8 California Gas Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E, jointly  
9 herein, the Utilities) is to provide additional information in support of the Utilities' proposed  
10 voluntary Renewable Natural Gas Tariff (RNGT) program in response to the Administrative Law  
11 Judge's Ruling Directing Submission of Supplemental Testimony and Filing of Updated Joint  
12 Case Management Statement and Providing Directions Regarding Common Briefing Outline,  
13 issued February 19, 2020 (ALJ Ruling). The Utilities hereby respond to the specific questions  
14 posed in the ALJ Ruling.

15 **II. ADDITIONAL INFORMATION ON CUSTOMER DEMAND (SPONSORING**  
16 **WITNESS: GRANT WOODEN)**

17 **A. Clarifying Information**

18 Before addressing the questions presented in the ALJ Ruling, the Utilities would like to  
19 clarify a potential misunderstanding in the ALJ Ruling. The ALJ Ruling contains questions  
20 about surveys of customers and also references certain letters of support that were included in the  
21 Application. To clarify, SoCalGas determined interest in an RNGT program in two ways:  
22 (1) responses to requests for letters of support from core commercial and industrial (C&I)  
23 customers and letters from various municipalities and organizations, and (2) customer panel

1 surveys that generally gauged customer interest in and knowledge about renewable energy,  
2 natural gas, and renewable natural gas (RNG).

3 In approximately early February of 2019, SoCalGas began reaching out to C&I  
4 customers who could potentially be eligible for the RNGT program upon approval. This  
5 outreach took the form of emails and calls from SoCalGas' Account Executives to various C&I  
6 customers. Account Executives explained the concept of the RNGT and then asked customers if  
7 they would be interested in providing letters of support for the program. Around the same time,  
8 SoCalGas also reached out to municipalities and organizations to explain the anticipated RNGT  
9 program and discuss whether they would be interested in providing letters of support for the  
10 Utilities' anticipated Application.

11 As of the filing date of the Application, SoCalGas had received 36 total letters of support  
12 from various C&I customers, non-profit organizations, and Chambers of Commerce. Those  
13 letters were attached to the Application. Following the filing of the Application, SoCalGas  
14 received another 55 letters by April 15, 2019. Those letters were attached to the Southern  
15 California Gas Company, San Diego Gas & Electric Company Joint Reply To Protests And  
16 Responses, filed on April 15, 2019. Since then, SoCalGas received an additional three letters of  
17 support. For convenience, the entirety of the letters received to date are attached hereto as  
18 Attachment A. SoCalGas wants to highlight that the volume of letters received in the  
19 approximate three week timeframe is not fully indicative of the support and interest we received  
20 in the RNGT program. Various C&I customers, non-profit organizations, Chambers of  
21 Commerce, and other stakeholder groups expressed interest in the program, but did not provide  
22 letters of support due to time, resource, or other constraints.

23 Independent from these letters of support, SoCalGas conducted general research into  
24 knowledge of and interest in RNG by customers. SoCalGas surveyed both their Residential

1 Customer Insight Panel and Business Customer Insight Panel about general environmental  
2 awareness, renewable gas, and natural gas vehicles in August of 2017. This survey contained  
3 some questions on general customer interest in a renewable program and types of participation.

4 In October of 2018, SoCalGas performed a more comprehensive survey containing  
5 questions that were directed to the possible anticipated RNG program and desired program  
6 features, and a follow up survey with just the Residential Customer Insight Panel was performed  
7 in October 2019 to update the results. The five surveys are attached hereto as Attachment B.

8 **B. ALJ Ruling Question Responses**

9 *1. How many customers were surveyed to see if they might be interested in an RNG*  
10 *Tariff Program? Please generally describe those customers (e.g., what customer*  
11 *class, what size, what annual bill).*

12 With respect to the outreach for letters of support, outreach to C&I customers potentially  
13 eligible for the RNGT program was not formally tracked and the actual count of customers  
14 contacted in the approximately three weeks prior to filing the RNGT program was not recorded.  
15 Due to the wide range of business types, sizes and facilities within the population of C&I  
16 customers, it is not possible to provide a general description of those customers surveyed.

17 With respect to the surveys that were performed, details on the customers who  
18 participated in the Residential Customer Insight Panel and Business Customer Insight Panel are  
19 included in those surveys which are included in Attachment B.

20 *2. What information was given to those customers before they were asked if they*  
21 *were interested in an RNG Tariff Program? Please provide a copy of any and all*  
22 *written material provided to those customers. Please provide a summary of any*  
23 *and all oral communication with those customers.*

24 SoCalGas created information for Account Executives to share with C&I customers who  
25 could potentially be eligible for the RNGT program. Please see Attachment C for copies of  
26 materials provided to some C&I customers surveyed directly. SoCalGas did not keep a record of

1 which customers received the RNG materials or the various conversations with the C&I  
2 customers that were contacted, but the discussions were consistent with what was included in the  
3 written material.

4 With respect to what information customers were provided in the panel surveys, the  
5 questions asked and any contextual information provided to the customers in the survey, that  
6 information is included in the survey results, attached hereto in Appendix B.

- 7 3. *In the solicitation of potential interest, please state whether these customers were*  
8 *provided an incentive of any kind to respond to the Utilities' inquiry of customer*  
9 *support. Please state if these customers were informed of the Utilities' proposed*  
10 *or illustrative RNG Tariff charges. State whether these customers were informed*  
11 *that the proposal is to obtain RNG sources both from in-state and out-of-state.*  
12 *Please state whether any customers expressed an opinion on the inclusion of out-*  
13 *of-state gas.*

14 *Incentive for Support*

15 SoCalGas did not offer or provide an incentive of any kind to C&I customers who  
16 provided a letter of support for the RNGT program. As for the non-profit organizations,  
17 Chambers of Commerce, municipalities, and other stakeholder entities, SoCalGas has ongoing  
18 relationships with many of them, but did not offer or provide an incentive of any kind for them to  
19 provide a letter of support for the RNGT program.

20 Incentives for participation in the customer panel surveys were opportunities to receive a  
21 gift card via sweepstakes. The incentive for participation in the 2018 residential panel was as  
22 follows: for every activity a panelist completed, they earned entry into a monthly sweepstakes  
23 for one of two Amazon gift cards in amount of \$25. The incentive for participation in the 2019  
24 residential panel was as follows: for every activity a panelist completed, the participant earned  
25 entry into a monthly sweepstakes for one of five Amazon gift cards in amount of \$20 and also  
26 received 100 points. After accumulating 1,000 points throughout the year, participants could  
27 redeem them for a \$5 gift card. Finally, the incentive for participation in the 2018 business panel

1 was: for every activity a panelist completed, they earned entry into a monthly sweepstakes for  
2 one Amazon gift card in the amount of \$50. For each of these panels, a completed survey  
3 counted as an ‘activity,’ regardless of the responses provided by the panelist. In other words,  
4 incentives were not dependent on the substance of the responses.

5 *Charges and Source of RNG*

6 The Utilities’ proposed illustrative RNGT program charges and provided in the RNGT  
7 Application were not communicated to customers and others during the outreach and panels.  
8 However, they were generally informed that RNG costs would be higher than traditional natural  
9 gas. SoCalGas does not recall receiving questions or feedback about whether the source of RNG  
10 supplies would be in-state or out-of-state.

11 4. *Please state how many of the surveyed customers did not provide a letter in*  
12 *support, and what percentage was that of all customers contacted to determine*  
13 *their interest?*

14 For the actual surveys conducted with the panels, no letters of support were requested.

15 For the outreach that led to the letters of support, SoCalGas did not track the total number  
16 of customers informed about the RNGT program, but notes that some customers other than those  
17 providing letters of support also expressed interest in participating in this program.

18 5. *Identify among the over 30 letters attached to the Application who are the*  
19 *SoCalGas’ or SDG&E’s customers and indicate whether they are eligible for the*  
20 *proposed program.*

21 Of the 36 letters attached to the Application, seven were SoCalGas customers and all  
22 seven were eligible to participate in the RNGT program. Those customers are listed below.

1	Anitsa/Valet Services
2	A-1 Linen Supply (Braun)
3	American Jerky
4	Eastern Municipal Water District

5	Maximum Nursery
6	Newlight Technologies, Inc.
7	The Langham Huntington, Pasadena

1           6.       *Provide a copy of the additional letters that the Utilities received supporting the*  
2                   *filing of the Application and identify the SoCalGas' and SDG&E's customers and*  
3                   *indicate whether they are eligible for the proposed program.*

4           An additional 55 letters of support were attached to SoCalGas and SDG&E's reply to  
5           protests and responses filed on April 15, 2019.<sup>1</sup> Of those letters, 13 were customers and all were  
6           eligible for the RNGT program. Those customers are listed below.

1	Ardagh Group
2	Antelope Valley Board of Trade
3	Azusa Chamber of Commerce
4	Boys Republic
5	Brotherhood Crusade
6	Calgren Renewable Fuels
7	Chisan Orchids Nursery
8	City of Huntington Beach
9	Gourmet Fresh Pasta
10	Greater West Covina Business Association
11	Mexican American Opportunity Foundation
12	NRG Answers

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<sup>1</sup> Reply of SoCalGas and SDG&E to Protests and Responses. Available at:  
<http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M299/K659/299659614.PDF>.

1  
2 Since then, SoCalGas has received an additional three letters of support. Of those letters,  
3 none were customers.

4 For convenience, SoCalGas is attaching all the letters of support received to date in  
5 Attachment B.

6 7. *State whether the Utilities have conducted any customer survey or analysis on*  
7 *customer participation forecast to occur during the first five years and, if so,*  
8 *provide a copy.*

9 SoCalGas surveyed both their Residential Customer Insight Panel and Business Customer  
10 Insight Panel about general environmental awareness, renewable gas and natural gas vehicles in  
11 August of 2017. This survey contained some questions on customers' general willingness to  
12 participate in some form of a renewable program and their preferred forms of participation.

13 In October of 2018, SoCalGas<sup>2</sup> performed more comprehensive surveys with those same  
14 groups<sup>3</sup> about the actual planned RNGT program and their desired program features. In  
15 November of 2019, SoCalGas performed a follow-up survey with the Residential Customer  
16 Insight Panel to update results. In every survey, both groups responded favorably to the idea of  
17 participating in a RNG program.

18 The Residential Customer Insight Panel surveys found that over 60% of residential  
19 customers (65% in 2019 and 69% in 2018) are willing to pay more for clean energy, and over  
20 sixty percent (70% in 2019 and 65% in 2018) see some benefits from participating in a  
21 renewable gas program. For business customers, the 2018 survey showed that 65% of customers

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<sup>2</sup> SDG&E has not performed any customer surveys or surveyed customers to see if they might be interested in an RNG tariff Program.

<sup>3</sup> A follow up survey was performed in November 2019 to update results.

1 surveyed were willing to pay more for clean energy. And, almost six in ten small and medium  
2 business customers saw some benefits from participating in a renewable gas program.

3 8. *Describe how the Program Charge will be calculated. Provide the Utilities’*  
4 *illustrative Program Charge, if one exists. State whether the Program Charge*  
5 *will be calculated using the full amount of the estimated annual administrative*  
6 *and marketing costs or only a portion of those costs. State whether the Utilities*  
7 *propose that the Program Charge will be calculated using the full balances in the*  
8 *proposed balancing subaccounts. State the number of participants that is used to*  
9 *calculate the illustrative Program Charge.*

10 The Program Charge will be calculated to recover the marketing and administration costs.  
11 Once the RNGT program is approved, the Program Charge will be initially set to an amount  
12 estimated for full recovery of the entire amount of the budgeted marketing and administration  
13 costs,<sup>4</sup> over five years, using a low estimated customer participation level. In response to  
14 Questions 7 and 8 of the ALJ Ruling, SoCalGas and SDG&E have prepared Attachment D that  
15 shows estimated numbers of participants (participation level) for each year by customer segment,  
16 showing low, medium, and high potential participation rates and the estimated recovery of the  
17 marketing and administration costs for each year using a low participation level estimate.

18 To calculate a starting Program Charge amount, SoCalGas and SDG&E followed these  
19 steps:

20 1. SoCalGas and SDG&E divided customers into the following four segments:  
21 (A) residential customers, (B) small business customers using approximately 300 therms per  
22 month on average, (C) medium business customers using approximately 1,000 therms per month  
23 on average, and (D) large business customers using approximately 6,250 therms per month on  
24 average.

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<sup>4</sup> The total amount of such costs for SoCalGas is \$770,000 and \$641,000 for SDG&E, as shown in A.19-02-015, Chapter 2, Direct Testimony of Grant Wooden, Attachment A.

1           2.       SoCalGas and SDG&E created estimates for demand in each customer segment  
2 by calculating the estimated obtainable market as follows. The total number of residential  
3 customers was multiplied by the percentage of survey respondents that perceive a benefit to  
4 participating in a RNG program. The resulting number of customers in each customer segment  
5 was then further reduced by multiplying that number by the percentage of survey respondents  
6 that stated they live in ways to help protect the environment “all of the time.” This reduced  
7 customer segment number is considered the potential market and is the beginning basis for  
8 demand estimates.

9           3.       Assumptions for participation levels were based on the customer surveys,  
10 discussions with customers, and available market research (discussed below), and are defined by  
11 segment:

12           A.       By reviewing existing “green price” energy program participation  
13 information, residential customer demand was estimated using a participation rate  
14 of 0.5%<sup>5</sup> with the corresponding conservative assumption that all participants  
15 would only subscribe at the lowest participation level (\$10/month).

16           B.       Consideration of communications with commercial and industrial  
17 customers, actual demand was estimated by segment, with participation at 0.1%  
18 for small, 0.025% for medium, and 0.025% for large usage customers.

19           Subscription levels were estimated at \$50/month for the small customer segment,

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<sup>5</sup> See below response to Question 10 below for a discussion on participation rates.

1 a 50/50 mix of 25% and 50% usage amount subscription for the medium custom  
2 segment and 50% usage subscription amount for large customers.

3 4. The amount of RNG required to meet the above demands for each segment with a  
4 commodity cost per therm of \$3.00<sup>6</sup> was calculated. The forecast total usage in therms over the  
5 first five years of the program was multiplied by a Program Charge that results in recovery of the  
6 administrative and marketing costs. A Program Charge of approximately \$0.23 per was  
7 determined for recovering SoCalGas marketing and administration expenses, and a Program  
8 Charge of approximately \$1.42 per therm was determined for recovering SDG&E marketing and  
9 administration expenses.

10 As noted in the RNGT Application,<sup>7</sup> the Utilities will manage costs each year to  
11 minimize any under or over collection of program charges as much as possible and will adjust  
12 expenses accordingly, if possible.

13 9. *Describe how the proposed administrative and marketing costs will be recovered.*  
14 *Identify the level of participation required to recover the estimated costs as shown*  
15 *in the Utilities' testimony without any potential negative impact on non-*  
16 *participants. Provide the analysis if such analysis exists. Provide a showing of*  
17 *the estimated administrative and marketing costs that would be charged per*  
18 *customer over a reasonable range of the number of customers who might*  
19 *subscribe to the RNG Tariff.*

20 The proposed administrative and marketing costs will be recovered by the Program  
21 Charge described above. Attachment D shows the number of participants estimated each year by  
22 customer segment and the estimated recovery of the marketing and administration costs each  
23 year using a low participation level estimate.

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<sup>6</sup> \$3.00 was chosen as a benchmark as this would allow residential customers choosing the smallest subscription level to displace approximately 10% of their annual usage with RNG (based on a system average of 420 therms per year).

<sup>7</sup> A.19-02-015, Chapter 2, Direct Testimony of Grant Wooden, p. 17.

1           10.     Provide any other relevant information that (a) supports the Utilities' showing on  
2           customer demand for the RNG Tariff program, and (b) is reasonably necessary  
3           for a complete understanding of how the Utilities' proposed Program Charge will  
4           be calculated and recovered.

5           The Utilities believe that there is demand for renewable energy by residential customers  
6           wishing to reduce their carbon footprint and by commercial industrial customers that desire to  
7           meet sustainability or carbon-reduction goals. Analyzing other utility "green pricing" programs  
8           across the nation provides some guidance on demand for the RNGT program.

9           Fortis BC launched its RNG tariff in mid-2011 and it allows customers to select a  
10          percentage of their usage to be supplied by RNG, paid for with an additional cost added to their  
11          natural gas bill. Customers can choose from five different percentages, up to 100% RNG. As of  
12          2018, Fortis BC had over 10,500 RNG Customers and the program is not accepting additional  
13          enrollment at this time.<sup>8</sup>

14          More recently, Vermont Gas Systems Inc. (VGS) had their RNG tariff approved in  
15          March of 2018. VGS customers are allowed to select a percentage of their usage to be supplied  
16          by RNG. Their current RNG adder is approximately \$1.37 per therm. VGS estimates that the  
17          average customer using 90 Mcf per year and purchasing 10% RNG would spend \$9.70 extra per  
18          month. VGS has approximately 55,000 customers.<sup>9</sup> Although enrollment was only about 50

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<sup>8</sup> FortisBC Corporate and Sustainability Report 2018, available at [https://www.cdn.fortisbc.com/libraries/docs/default-source/about-us-documents/corporate-and-sustainability-report-2018.pdf?sfvrsn=e392ec4a\\_2](https://www.cdn.fortisbc.com/libraries/docs/default-source/about-us-documents/corporate-and-sustainability-report-2018.pdf?sfvrsn=e392ec4a_2) at 24. This is approximately 1.1% of the 1,029,476 customers for 2018. *Id.* at 2.

<sup>9</sup> VGS and NG Advantage Partner to Offer First Renewable Natural Gas Product to Industrial Users and Hospitals Across the Northeast, <https://www.vermontgas.com/vgs-and-ng-advantage-partner-to-offer-first-renewable-natural-gas-product-to-industrial-users-and-hospitals-across-the-northeast/>.

1 customers during the beginning of the program, VGS indicated that number was growing<sup>10</sup> and  
2 included larger institutions like a hospital, food company, and Middlebury College.<sup>11</sup>

3 Northwest Natural started a carbon offset program called “Smart Energy” in 2013.  
4 Customers participate at a set dollar adder each month, the lowest being \$5.50 per month for  
5 residential customers and \$10 per month for business customers. Purchases of the carbon offset  
6 are intended to balance greenhouse gases emissions released by *all* of the customers’ activities,  
7 including cooling, driving a car, or manufacturing. Northwest Natural works with a nonprofit  
8 organization (The Climate Trust) that purchases carbon offsets and direct investment in biogas  
9 projects, with the major focus on biogas development. Northwest Natural has a participation rate  
10 of approximately 6.6%.<sup>12</sup>

11 One of the longest running sources for information is available from the National  
12 Renewable Energy Laboratory (NREL). NREL has published reports on utility green pricing  
13 programs since 2001<sup>13</sup> and produced an annual marketing participation statistics for all green  
14 pricing or “green power” utility programs up to 2010.<sup>14</sup> NREL’s last full marketing report (2009  
15 data)<sup>15</sup> looked at green pricing programs in North America and noted that the average customer  
16 participation rate was 2% at that time. The 2009 report showed participation for the top ten

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<sup>10</sup> VGS Renewable Natural Gas Program Featured in Boston Globe, *available at*  
<https://www.vermontgas.com/vgs-renewable-natural-gas-program-featured-in-boston-globe/>.

<sup>11</sup> Don’t curb gas utilities; clean them up, Boston Globe, November 26, 2018, *available at*  
<https://www.bostonglobe.com/opinion/editorials/2018/11/26/don-curb-gas-utilities-clean-them/UqsgNh7tw42oMrhPZTmgMK/story.html>.

<sup>12</sup> See Smart Energy 2018 Progress Report, *available at* <https://www.smartenergyvw.com/>, and NW  
Natural FAQ, *available at* <https://www.nwnatural.com/aboutnwnatural/pressroom/pressroomfaq>.

<sup>13</sup> <https://www.nrel.gov/docs/fy01osti/29831.pdf>

<sup>14</sup> <https://www.nrel.gov/analysis/green-power.html>

<sup>15</sup> <https://www.nrel.gov/docs/fy11osti/49403.pdf>

1 programs ranged from 5% to 21%. On average, customers spent about \$5.40 per month above  
2 standard electricity rates for their participation in green pricing utility programs.

3 NREL still publishes an annual “top ten” list for green pricing programs, reporting on the  
4 top ten programs by sales, participation, percent of sales and number of participants. NREL’s  
5 2019 report titled the Top Ten Utility Green Pricing Programs (2018 data)<sup>16</sup> did not include a  
6 nationwide average, however, it did report that the range of participation for the top ten programs  
7 ranged from 4% to 23%.<sup>17</sup>

8 Finally, for electric green pricing programs, the Center for Renewable Solutions  
9 published the 2019 Green-e Verification Report (2018 data)<sup>18</sup> that reported 11% of California  
10 utility customers bought Green-e® Energy certified renewable energy, including through  
11 SDG&E’s EcoChoice program which has been successful.<sup>19</sup>

### 12 **III. CLARIFICATION ON THE PROPOSED COST RECOVERY FOR IT COSTS** 13 **(SPONSORING WITNESS: REGGIE AUSTRIA)**

#### 14 *1. Describe how IT costs are recovered in the GRCs.*

15 In General Rate Cases (GRCs), the Commission authorizes a test year revenue  
16 requirement or amount of money a utility is allowed to recover in rates to serve its customers.  
17 The revenue requirement is comprised of (among other items) both Operations and Maintenance  
18 (O&M) and Capital-related costs that are forecasted to occur in the test year. Detailed IT costs  
19 are included in these forecasts. The Commission determines the authorized test year revenue  
20 requirement after weighing the evidence provided by the utility and interested parties  
21 (intervenors) in the GRC proceeding.

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<sup>16</sup> <https://www.nrel.gov/analysis/assets/pdfs/top-ten-utility-green-pricing.pdf>

<sup>17</sup> *Id.*

<sup>18</sup> 2019 Green-e Verification Report (2018 Data), available at <https://resource-solutions.org/g2019/>.

<sup>19</sup> See D.15-01-051.

1 It would be impractical to litigate a GRC every year, so the revenue requirements for the  
2 years in between rate cases are also litigated and authorized in a GRC proceeding. These years  
3 are referred to as “attrition” or “post-test” years. Unlike the test year revenue requirement,  
4 SoCalGas and SDG&E attrition year revenue requirements generally are not determined by using  
5 specific cost forecasts; rather a simplified high level mechanism is used to adjust the various  
6 components of revenue requirement to determine the attrition year award. Thus, even though  
7 there are no IT specific forecasts associated with the authorized attrition year revenue  
8 requirements, utilities have discretion and are expected to allocate the authorized attrition year  
9 revenue requirements as needed to safely and reliably serve their customers.

10 2. *Confirm whether non-participating customers will pay any of the IT costs*  
11 *under the Utilities’ proposal. Explain whether it would be reasonable for*  
12 *the Utilities’ shareholders to pay any IT costs that cannot be recovered*  
13 *from RNG Tariff program participants. If the Utilities propose to allocate*  
14 *IT costs to all customers, including participating and non-participating*  
15 *customers, provide the justification(s) and identify the non-participating*  
16 *customer benefits.*

17 In connection with SoCalGas’ GRC, SoCalGas is authorized funding for capital projects,  
18 both IT and other base business projects, over the GRC cycle. Any unused capital funding  
19 SoCalGas has will be used to absorb the IT costs associated with the implementation of the  
20 RNGT program. Any unamortized IT asset balance associated with the RNGT program will not  
21 be included in incremental ratebase in SoCalGas’ next GRC, and the costs will continue to be  
22 absorbed by any unused capital funding in the next GRC cycle. Therefore, non-participating  
23 customers will not pay any incremental IT costs under the Utilities’ proposal.

24 For SDG&E, per the direct testimony of Mr. Wooden (Chapter 2), SDG&E will include a  
25 cost estimate in its GRC application when estimates can be done after approval of this  
26 Application. As such, non-participants at SDG&E will carry those costs. SDG&E did not make  
27 any claims about non-participating customer benefits.

1 3. *Provide any other relevant information that explains and supports the*  
2 *Utilities' proposal for IT cost calculation and recovery.*

3 SoCalGas and SDG&E direct the Commission and parties to the discussion of IT costs in  
4 testimony Chapter 2, submitted with the Application, and to discussions of content on the  
5 program webpages in Chapter 7. The discussion covers what is included in IT costs, including  
6 costs for work needed to make the program and program information available to all eligible  
7 customers (i.e. program website costs, website information, estimation software for prospective  
8 participants, accommodating enrollment).

9  
10 This concludes the Utilities' second *supplemental* prepared direct testimony.

11 **IV. ATTACHMENT A. LETTERS OF SUPPORT**

12 **V. ATTACHMENT B. RESIDENTIAL PANEL AND BUSINESS PANEL SURVEYS**

13 **VI. ATTACHMENT C. RNG MATERIAL PROVIDED TO C&I CUSTOMERS**

14 **VII. ATTACHMENT D. PARTICIPATION FORECASTS AND COST RECOVERY**  
15 **CALCULATIONS**  
16

# ATTACHMENT A



20 February 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

RE: RENEWABLE GAS TARIFF OPTION

Dear Ms. Tomkins:

The Alhambra Chamber of Commerce is in support of Southern California Gas Company's filing an application to provide Renewable Natural Gas to residential and commercial/business customers. The Chamber supports this concept.

The Alhambra Chamber of Commerce, with over 400 members, advocates and represents business interests and issues affecting the community. We provide an environment to help members prosper and succeed through a working partnership with all levels of government and community organizations to achieve a prosperous local economy and quality of life.

The Alhambra Chamber of Commerce believes that a voluntary program is appropriate so that businesses will have the opportunity to support the State of California's environmental goals by using methane gas that is derived from renewable sources such as municipal waste streams.

We urge that the California Public Utilities Commission consider SoCalGas' application. We strongly believe that natural gas should remain in the State's energy portfolio. Many of our businesses depend on natural gas and could experience a negative financial impact if they were forced to change out equipment and expend funds for more expensive energy.

Thank you for your time and consideration in this matter.

Sincerely,

A handwritten signature in blue ink that reads "Sharon Gibbs".

Sharon Gibbs  
Chief Executive Officer  
Alhambra Chamber of Commerce

**CHAMBER CHAPTERS**  
SOUTHERN CALIFORNIA  
SAN DIEGO COUNTY  
NORTHERN CALIFORNIA

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SOUTHERN CALIFORNIA INDIAN CENTER  
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CHAIR - TASIN  
CHAIR, SAN MANUEL BAND OF MISSION INDIANS



**AMERICAN INDIAN CHAMBER OF COMMERCE OF CALIFORNIA**

February 22, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

On behalf of the American Indian Chamber of Commerce of California (Chamber), we are writing today to support the Southern California Gas Company and their efforts to develop options for customers in their service territory through a Renewable Gas Tariff.

Our rationale in supporting this proposed Renewable Gas Tariff is so that our community can enjoy viable, reasonable selections for their choice in this arena. Our Chamber policy is to ensure that any energy service initiative that our Chamber supports, our people receive the best in value, reliability, safety and affordability for their homes and businesses. This proposed program is also voluntary and will allow Southern California Gas Company a method in which to reduce fossil gas brought into their system.

The mission of the American Indian Chamber of Commerce of California is to educate, mentor, support and advocate for tribal enterprises and American Indian/Alaska Native businesses. We are proud of the fact that California is home to the largest population of American Indian/Alaska Natives in the country, and has, by far, the most American Indian/Alaska Native owned businesses.

The Chamber believes that with your expediency in establishing this innovative Renewable Gas Tariff; this program will go a long ways towards continuing our energy evolution here in California.

If you have any further questions, you can contact me directly at my office number of 714-898-6364.

Sincerely,

Tracy Stanhoff  
President & Creative Director, AD PRO  
Former Tribal Chair, Prairie Band Potawatomi Nation  
President, American Indian Chamber of Commerce of CA  
tel 714-898-6364

# AMERICAN JERKY COMPANY, LLC

2400 E. FRANCIS STREET  
ONTARIO, CA 91761

February 21, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff option

Dear Ms. Tomkins:

We are a jerky manufacturer based in Ontario and understand that there is a proposal for a green tariff, which would allow for an outlet for renewable natural gas. I believe this opportunity should be one that is afforded to all customers within SoCalGas jurisdiction as we, companies strive to be more environmentally conscious. I have not been made fully aware of costs or reasonableness of the program, but I do believe that it should at a minimum be explored and offered as an option for participants to explore.

We have been making jerky treats for roughly 4 years and have been steady users of natural gas. We dehydrate proteins ranging from chicken, duck, turkey, beef, pork, etc. The ability to promote renewable resources helps avoid the use of fossil fuels and should be explored. I support the program in moving forward with exploration to see viability and costs associated with such program. My hopes are to make this option available as soon as possible so we can try to create a greener future for the following generations. Without knowing which options we have, it will be difficult to move forward in protecting our environment for our children's future.

I hope to have SoCalGas explore these options as soon as possible and share with your users the availability of such options.

Sincerely,

A handwritten signature in black ink, appearing to be 'Benjamin Wu', written over a horizontal line.

Benjamin Wu  
American Jerky Company



March 6, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins:

Anaergia supports SoCalGas's proposal to the California Public Utilities Commission (CPUC) to establish a green tariff for renewable natural gas. This would allow informed customers to choose renewable natural gas as a portion of their energy supplies.

Anaergia is a global leader in delivering turnkey anaerobic digestion and bioenergy production facilities with over nearly 2,000 facilities built worldwide. Anaergia is currently constructing the Rialto Bioenergy Facility in Rialto California which when operating in 2020 will be the largest organics waste digester in North America and poised to be one of the largest suppliers of Renewable Natural Gas (RNG) in California.

Anaergia has biogas project operating in California at wastewater treatment facilities, however, they are all producing electricity mainly because there is no robust and established RNG offtake for anaerobic digestion facilities in California. There are state programs such as the Biomat program that offers 20 year PPA for bioelectricity, and wastewater plants that produce electricity to serve their needs. With the ambitious organic waste diversion goals, and Anaergia's unique ability to retrofit the 156 existing publically owned anaerobic digestors at California wastewater treatment plants, a large surplus of RNG will be available on the market. With the implementation of a green tariff, the market will have a driver to produce RNG instead of electricity – a carbon negative fuel that sequesters carbon thus reducing greenhouse emissions, a necessity to meet 2045 carbon neutrality goals statewide.

We urge you and the CPUC to prioritize expedited approval of this program given the urgency and benefits of reducing short-lived climate pollutants and the opportunity to divert many emerging anaerobic digestion facilities to produce RNG.

Sincerely,

Yaniv D. Scherson, Ph.D., P.E.  
Managing Director, Western U.S.  
760.436.8870 x169  
yaniv.scherson@anaergia.com

VALET SERVICES™



Your Partner Toward Total Laundry Success...

February 21, 2019

Ms. Sharon Tomkins

Vice President, Customer Solutions

Southern California Gas Company

555 W. Fifth Street, ML GCT 21C2

Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Anitsa Inc., DBA Valet Services would support a renewable gas tariff option. Having this tariff option would help us reduce overall greenhouse gas emissions.

We are a commercial launderer that provides laundering services to the hospitality industry.

Our business relies on natural gas to operate and having a green option is favorable to our business as we recycle water and use NPE free chemistry to reduce our carbon footprint.

We respectfully request that regulators make this option available as quickly as possible.

Sincerely,

Daniel Soussa

Operations Manager



## EXECUTIVE BOARD

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ALIS CLAUSEN ODENTHAL

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CHRIS SPICHER

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LEW STULTS

MONNA WAGNER

COLEEN WALKER CLUTTERHAM

Ms. Sharon Tomkins

Vice President, Customer Solutions

Southern California Gas Company

555 W. Fifth Street, ML GCT 21C2

Los Angeles, CA 90013

RE: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Antelope Valley Board of Trade [AVBOT] would like to express its support of the proposed Green Tariff that will give natural gas customers the option to purchase a portion of their gas from renewable sources.

AVBOT is a 60-year old business advocacy organization representing a cross-section of businesses and industries in the greater Antelope Valley region of North Los Angeles and East Kern counties. Our interests include improving the business climate and cost of doing business in the region and the state. However, we also support the efforts both locally and statewide to implement affordable and smart renewable options to meet the energy demands of industrial, commercial, and residential customers.

Our board members believe that this renewable gas option for customers is a sustainable and environmentally friendly plan that helps the state meet its greenhouse gas emissions reduction and climate change goals while also reducing waste from agriculture, landfills, and waste water treatment plants. Solutions such as these should be wholeheartedly embraced by the communities at-large.

Sincerely,

Ed Knudson, Antelope Valley College

AVBOT President



Ms. Sharon Tompkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013  
USA

Weds 10 April 2019

Dear Ms. Tompkins

**Re: Renewable Gas Tariff Option**

Ardagh Group encourages the expansion of gas supply options, including renewable biogas, as made available to utilities and the customers they serve.

Ardagh Group is a global manufacturer of recyclable glass and metal containers, and gas supply is critical to our operations in California and beyond.

Our support of renewable gas options is twofold. First, our procurement of natural gas is strengthened by expanding the available options and allowing them to be competitive versus the market, however regulated. Second, the capture of biogas from landfills and other sources aligns with Ardagh Group's sustainability policy and our ongoing strategy with the recycling of permanent materials such as glass and metal.

We ask that the Renewable Gas Tariff Option be enacted as soon as is practicable to encourage additional competitive options in California.

Yours sincerely

Chris White  
Procurement Manager – Energy  
Ardagh Group, North America

February 14, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

RE: Renewable Gas Tariff Option

Athens Services supports the efforts of Southern California Gas Company to offer residential and small/medium-size business customers the option of purchasing a portion of their natural gas from renewable sources.

Athens Services is committed to the environment and supports California as it moves towards a more sustainable future. As the company that developed the first mixed-waste processor in Los Angeles County, Athens has always been ahead of the curve. We have continued to look forward, recently investing in new, near-zero emission natural gas vehicles that are 90% cleaner than the Environmental Protection Agency's strictest emissions standard. We are always looking for ways to advance our recycling programs, save precious resources, and create a better environment for all. We believe in a zero-waste future where businesses and consumers alike are conscious about consumption and product lifecycles, and are engaged in sustainable thinking concerning the use, management and restoration of the Earth's resources.

The Southern California Gas Company's Renewable Gas Tariff Option will not only help foster the growth and development of the Renewal Gas industry, but will empower customers to use energy wisely and help reduce GHG emissions, ultimately empowering customers to achieve their own sustainability goals.

Athens Services encourages the CPUC to make this opportunity available to SoCal Gas customers as soon as possible. State mandates for GHG reductions are impacting all businesses and the need for renewable resources is high. Offering this program will only help to expedite California's emission reduction goals.

Sincerely,



Gary M. Clifford II  
Executive Vice President

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Silverado Senior Living

Dave McDonough  
Marie Callender's Restaurant

Leo Flores  
Home2 Suites by Hilton

Dan Colasanti  
KALEO Real Estate Company

Sylvia Rodriguez  
America's Christian Credit Union



**A Z U S A**  
CHAMBER OF COMMERCE



February 15, 2019

# AZUSA Chamber of Commerce

Ms. Sharon Tomkins

Vice President, Customer Solutions

Southern California Gas Company

555 W. Fifth Street, ML GCT 21C2

Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Azusa Chamber of Commerce is in complete support of SoCalGas' application with the CPUC for the renewable gas tariff option.

This Renewable Gas (RG) tariff will be available to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas, who upon request, voluntarily choose to designate all or a portion of their natural gas service to be provided by RG.

The program will help the state achieve its decarbonization goals by reducing methane emissions and by displacing traditional fossil fuel.

It will also help foster the growth and development of the RG industry.

The tariff will empower customers to use energy wisely and help reduce GHG emissions to help clean the air in their respective community of Azusa and help customers achieve their own sustainability goals.

The city of Azusa is impacted by the 210-freeway traffic and the year-round potential for wildfires because of the proximity to the San Gabriel mountains.

We urge you to make this much needed option available as soon as possible.

**Steven Castro, CEO**

**Azusa Chamber of Commerce**

240 W. Foothill Boulevard, Azusa, CA . 91702 • Phone (626) 334-1507 Fax (626) 334-5217

[www.azusachamber.org](http://www.azusachamber.org)

April 1, 2019

Michael Picker  
President, California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102

**RE: Support for Southern California Gas Company's Green Tarrif Proposal**

Mr. Picker:

We are contacting you on behalf of BizFed, a grassroots alliance of more than 180 business organizations who represent more than 400,000 employers with 3.5 million employees in Los Angeles County. As a united federation we advocate for policies and projects that strengthen our regional economy. We are writing you to express our support for Southern California Gas Company's (SoCalGas) Green Tarrif Proposal.

As the energy policy leader in the nation, California has an opportunity to again invest in innovative policies that will decrease our emissions footprint. The SoCalGas Green Tariff proposal is meant to help customers reach their sustainability goals by displacing traditional fossil fuel with clean, renewable gas (RG). It will also help the state achieve its climate change goals by reducing methane and carbon dioxide emissions.

If approved by the CPUC, the program will be open to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas. This voluntary tariff will allow SoCalGas to buy RG from producers and reduce the amount of fossil gas that is brought into SoCalGas system.

We believe this to be an important step for California's energy goals and we urge you to support this proposal. If you have any questions – please contact Sarah Wiltfong at [sarah.wiltfong@bizfed.org](mailto:sarah.wiltfong@bizfed.org) or 310-213-8742.

Sincerely,



Steve Bullock  
BizFed Chair  
Cerrell Associates



David Fleming  
BizFed Founding Chair



Tracy Hernandez  
BizFed Founding CEO  
IMPOWER, Inc.

## BizFed Association Members

Action Apartment Association  
AIA - Los Angeles  
Alhambra Chamber  
American Beverage Association  
American Hotel & Lodging Association  
Antelope Valley Board of Trade  
Angeles Emeralds  
Apartment Association, California Southern Cities  
Apartment Association of Greater Los Angeles  
Arcadia Association of Realtors  
AREAA North Los Angeles SFV SCV  
Asian Business Association  
Association of Independent Commercial Producers  
Azusa Chamber  
Beverly Hills Bar Association  
Beverly Hills Chamber  
Beverly Hills / Greater LA Association of Realtors  
BNI4SUCCESS  
Burbank Association of Realtors  
Building Industry Association, LA / Ventura Counties  
Building Owners & Managers Association, Greater LA  
Business & Industry Council for Emergency Planning & Preparedness  
CalAsian Chamber  
California Apartment Association, Los Angeles  
California Asphalt Pavement Association  
California Bus Association  
California Business Roundtable  
California Cannabis Industry Association  
California Construction Industry and Materials Association  
California Contract Cities Association  
California Fashion Association  
California Gaming Association  
California Grocers Association  
California Hotel & Lodging Association  
California Independent Oil Marketers  
California Independent Petroleum Association  
California Life Sciences Association  
California Metals Coalition  
California Restaurant Association  
California Small Business Alliance  
California Sportfishing League  
California Trucking Association  
Carson Chamber of Commerce  
Carson Dominguez Employers Alliance  
CDC Small Business Finance  
Central City Association  
Century City Chamber of Commerce  
Cerritos Chamber  
Citrus Valley Association of Realtors  
Commerce Industrial Council/Chamber of Commerce  
Construction Industry Air and Water Quality Coalitions  
Council on Trade and Investment for Filipino Americans  
Covina Chamber of Commerce

Culver City Chamber of Commerce  
Downey Association of Realtors  
Downey Chamber of Commerce  
Downtown Long Beach Alliance  
El Monte/South El Monte Chamber  
Employers Group  
Engineering Contractor's Association  
F.A.S.T.-Fixing Angelenos Stuck In Traffic  
FilmLA  
FuturePorts  
Gardena Valley Chamber of Commerce  
Gateway to LA  
Glendale Association of Realtors  
Glendale Chamber  
Glendora Chamber  
Greater Antelope Valley AOR  
Greater Lakewood Chamber  
Greater Los Angeles African American Chamber  
Greater Los Angeles New Car Dealers Association  
Harbor Trucking Association  
Historic Core Bid  
Hollywood Chamber  
Hong Kong Trade Development Council  
Hospital Association of Southern California  
Hotel Association of Los Angeles  
Independent Cities Association  
Industry Business Council  
Inglewood Airport Area chamber of Commerce  
International Warehouse Logistics Association  
Irwindale Chamber  
La Canada Flintridge Chamber  
LAX Coastal Area Chamber  
League of California Cities  
Long Beach Area Chamber  
Los Angeles Area Chamber  
Los Angeles County Medical Association  
Los Angeles County Waste Management Association  
Los Angeles Gateway Chamber of Commerce  
Los Angeles Gay & Lesbian Chamber of Commerce  
Los Angeles Latino Chamber  
Los Angeles Parking Association  
Maple Business Council  
Motion Picture Association of America  
MoveLA  
NAIOP Southern California Chapter  
National Association of Royalty Owners  
National Association of Tobacco Outlets  
National Association of Women Business Owners  
National Association of Women Business Owners, LA  
National Hispanic Medical Association  
National Latina Business Women's Association  
Nederlands-America Foundation  
Orange County Business Council  
Pacific Merchant Shipping Association

Pacific Palisades Chamber  
Panorama City Chamber  
Paramount Chamber of Commerce  
Pasadena Chamber  
Pasadena-Foothills Association of Realtors  
PhRMA  
Planned Parenthood Southern California Affiliates  
Pomona Chamber  
Propella  
Rancho Southeast Association of Realtors  
Recording Industry Association of America  
Regional Black Chamber - San Fernando Valley  
Regional San Gabriel Valley Chamber  
Rosemead Chamber  
San Gabriel Chamber  
San Gabriel Valley Civic Alliance  
San Gabriel Valley Economic Partnership  
Santa Clarita Valley Chamber  
Santa Clarita Valley Economic Development Corp.  
San Pedro Peninsula Chamber  
Santa Monica Chamber  
Santa Monica Junior Chamber  
Sherman Oaks Chamber of Commerce  
South Bay Association of Chambers  
South Bay Association of Realtors  
Southern California Contractors Association  
Southern California Golf Association  
Southern California Grantmakers  
Southern California Leadership Coalition  
Southern California Minority Supplier Development Council Inc.  
Southern California Water Coalition  
Southland Regional Association of Realtors  
The Young Professionals at the Petroleum Club  
Torrance Area Chamber  
Town Hall Los Angeles  
Tri-Counties Association of Realtors  
United Chambers San Fernando Valley  
United States-Mexico Chamber  
Unmanned Autonomous Vehicle Systems Association  
US Resiliency Council  
Valley Industry & Commerce Association  
Vernon Chamber  
Vietnamese American Chamber  
Warner Center Association  
West Hollywood Chamber  
West Los Angeles Chamber  
West San Gabriel Valley Association of Realtors  
West Valley/Warner Center Chamber  
Western Manufactured Housing Association  
Western States Petroleum Association  
Westside Council of Chambers  
Westwood Village Rotary Club  
Wilmington Chamber  
World Trade Center  
Young Professionals in Energy - LA Chapter



March 14, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Black Chamber of Orange County is in favor of and support of the SoCal Gas Renewable Gas Tariff Option. A couple of the reasons are:

- ✦ This Renewable Gas (RG) tariff is available to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas, who upon request, voluntarily choose to designate all or a portion of their natural gas service to be provided by RG. At the time of enrollment, residential customers will select from a series of set dollar amounts that will be provided from RG supplies. Commercial customers will be able to select either from a series of set dollar amounts or a percentage of their total gas load.
  
- ✦ Residential customers will have to commit to one year. This commitment period is necessary to allow SoCalGas to enter into longer term contracts, which will reduce overall program costs. After 1 year, the percentage can change, and participation is month to month.
  
- ✦ Non-residential enrollment for 2 years.
  
- ✦ 60-day cooling-off period after initial sign up.

The Black Chamber of Orange County supports the effort for SoCal Gas to make this program available that will help the state achieve its decarbonization goals by reducing methane emissions. The intent is to foster growth and development of the RNG industry.

Sincerely,  
Robert McDonald

**EDUCATION**

# Buffalo Soldiers ride into Cal State Fullerton

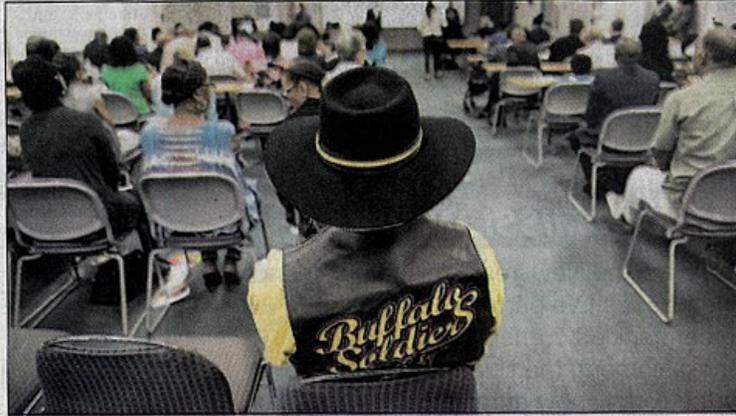
Campus honors recent alumni, 1800s African American soldiers

**By Wendy Fawthrop**  
wfwathrop@scng.com  
@wendyfawthrop on Twitter

The contributions of African Americans a century apart are celebrated in the "African American Civic Engagement" exhibit at Cal State Fullerton's Pollak Library.

Memorabilia of the Buffalo Soldiers — African American soldiers of the U.S. Army 9th and 10th Cavalry Regiments in the 1860s — make up half the exhibit, presented by the university's African American Studies Department. Included are a uniform, Winchester rifle, bicycle, photos and sculptures of notable members.

**BUFFALO » PAGE 2**



MATT MASIN — STAFF PHOTOGRAPHER

"African American Civic Engagement" at Pollak Library at Cal State Fullerton presents a new exhibit on the contributions of Buffalo Soldiers during the 1860s and the university's alumni from a century later.

**EDITOR'S NOTE**

## North County News-Tribune coming soon

**By Heather McRea**  
hmcree@scng.com

Beginning next week, readers of the Fullerton News-Tribune will receive the North County News-Tribune, which will include community news not just for Fullerton, but for surrounding communities as well.

In addition to neighborhood news from Buena Park, Fullerton and La Palma, readers will also enjoy stories, photos and more from Brea, La Habra, Placentia and Yorba Linda.

We hope you enjoy the expanded scope of the North County News-Tribune.

Please let us know what you think by emailing us at [feedback@scng.com](mailto:feedback@scng.com).











February 27, 2019

President Michael Picker  
California Public Utilities Commission  
505 Van Ness Ave  
San Francisco, CA 94102

Dear President Picker:

Bloom Energy (Bloom) manufactures an innovative fuel cell technology that generates always-on, distributed energy. Our non-combustion process transforms natural gas or biogas into electricity, producing on-site, clean, resilient, reliable, affordable energy, practically anywhere. With over 450 installations in California, our fuel cells are the most efficient electricity generators on the planet; significantly reducing electricity costs, dramatically reducing greenhouse gas emissions, and virtually eliminating combustion related criteria air pollutants.

Since installing our first commercial fuel cell in 2009, Bloom has actively sought renewable natural gas (RNG) to power our systems. Due to market distortions created by well-intentioned policies, however, securing a stable, cost-competitive supply of RNG for Bloom projects has proved immensely challenging. As a recent report by the California Council on Science and Technology concluded: "The current value of the Federal and State incentives far exceeds the market value of the biomethane. Financial incentives through the California Low Carbon Fuel Standard (LCFS) and the Federal Renewable Fuel Standard (RFS) programs can be a factor of up to 18 times greater than the commodity value of the biomethane itself."<sup>1</sup> This market distortion makes it uneconomical for non-transportation end users, such as building owners and operators looking to install non-combustion, renewable-electricity generating fuel cells, to source California renewable gas for their projects.

Bloom finds that SoCalGas' renewable gas tariff poses great potential to help level the playing field and create a new option for hospitals, data centers, and other facilities in California seeking a reliable, always-On clean energy solution. If properly designed, this voluntary tariff will provide a mechanism by which consumers who wish to purchase RNG may do so—serving a clear market demand, helping drive down costs, and simultaneously assisting California in achieving its energy goals. Bloom supports this tariff with the understanding that fuel cell customers are eligible to receive service.

We look forward to continued collaboration to meet California's methane, carbon, and air pollution reduction goals.

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<sup>1</sup> <https://ccst.us/publications/2018/2018biomethane.pdf>, pg 79



Sincerely,

A handwritten signature in black ink, appearing to read 'Erin Grizard', written in a cursive style.

Erin Grizard  
Senior Director, Policy



February 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Subject: Renewable Gas Tariff Option

Dear Ms. Tomkins:

I am pleased to offer support for SoCalGas' application for a Renewable Gas Tariff with the California Public Utilities Commission (CPUC) to offer residential and commercial/industrial customers the option of purchasing a portion of their natural gas from renewable sources.

The Bolsa Chica Conservancy was founded nearly 30 years ago by community, environmental, government and business leaders with the common goal of restoring the Bolsa Chica wetlands and connecting generations through community involvement, leadership and education in wetland science, watersheds, coastal ecology and environmental sustainability. Our organization has succeeded beyond our wildest dreams with an interpretive center, school programs, scout programs and tens of thousands of visitors every year.

As an environmental organization we recognize efforts and initiatives that support the state's goal to achieve decarbonization by reducing methane emissions. We urge regulators to make the the option for RNG tariff available to SoCalGas' residential and commercial industrial customer base as soon as possible.

Sincerely,

A handwritten signature in black ink, appearing to read "Grace Adams", is written over a thin vertical line.

Grace Adams  
Executive Director

March 20, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**RE: RENEWABLE GAS TARIFF OPTION – SUPPORT**

Dear Ms. Tomkins,

Boys Republic (BR) is a leader in the arena of residential treatment of at-risk youth. One of BR's core priorities is to provide the environment for these youth to grow in their vocational skill preparedness and we have just completed construction on a multi-million dollar culinary training center that relies heavily on natural gas appliances. Response to climate change that focuses solely on electricity for these functions would be extremely costly and prevent these youth from taking advantage of these valuable programs. As such, **BR supports the use of the RG, or Green, Tariff as a vehicle for helping the state achieve its ambitious climate goals, while allowing individuals and businesses the flexibility to do so in a cost-effective manner.**

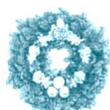
If approved by the California Public Utilities Commission (CPUC), the program will invite residential and commercial customers receiving gas from SoCalGas to choose how much of their gas will be supplied by renewable resources by selecting from a series of set dollar amounts. The voluntary tariff reduces the amount of fossil gas brought into the SoCalGas system. By committing environmentally conscious customers to green energy for a minimum of one year, the state will be closer to achieving its decarbonization goals by reducing methane emissions.

The RG Tariff program would be a crucial step toward sustainability, and if approved by the CPUC, the program would significantly strengthen the growth and development of the renewable natural gas industry. Boys Republic who also raises cattle and crops for their feed on our 200 acre property would also be willing to work as a small pilot of any methane capture programs that might be a part of this growth in renewable natural gas. **For these reasons, Boys Republic strongly supports the RG Tariff program.**

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chris Burns'.

Chris Burns, Ph.D.  
Executive Director



**Corporate Office**

16530 South. Garfield Avenue  
Paramount CA 9072  
Tel: (562) 531-3440  
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Fax: (562) 531-2050



LINEN SERVICE, INC.  
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Fax: (909) 623-7276

February 20, 2019

Ms. Sharon Tomkins

Vice-President, Customer Solutions  
Southern California Gas Company  
555 W Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Braun Linen Service Inc would support the renewable gas tariff option. The idea of purchasing a portion of its natural gas from renewable sources is a great concept. Braun Linen is a commercial laundry service, dependent on natural gas for the processing of its goods. I would support the renewable gas tariff as Braun Linen's part in helping reduce greenhouse gases. I request for regulations to make options as soon as possible.

Sincerely,

W. Scott Cornwell  
President, Braun Linen Service, Inc

**Setting the Standard in Service and Quality**



Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Natural gas has always been a vital resource for commercial and residential consumers throughout Los Angeles area. As a lead agency in the community we rely heavily on natural gas to provide to our various program sites for the thousands of clients we serve throughout the year. These same clients utilize this resource to maintain their daily lifestyles. Most small businesses in the community would not be able to run their day to day operation without the assistance of natural gas. Most important, our community depends on this utility to thrive.

While natural gas is invaluable to our local commerce and daily lifestyles, we also understood the impact that it can have on the environment. This is why Brotherhood Crusade strongly supports The Green Tariff initiative proposed by the Southern California Gas Company. Converting wastes sources, such as landfills and crop residue, into renewable gas is an extremely innovative idea that will not only help reduce program costs, but will help curb the detrimental effects of methane emissions on our climate, thereby securing a recyclable energy source for future generations.

The Brotherhood is a non-profit institution, founded in 1968 to provide the necessary resources, program services, and a voice of advocacy to traditionally underserved and disenfranchised individuals. Our mission is to remove and/or help individuals overcome the barrier that deter their pursuit of success and facilitate opportunities for a better quality of life promoting health and wellness, providing and enhancing educational opportunities cultivating economic growth and building community agencies and institutions. Our commitment and dedication to this work has earned us the respect admiration, and trust of our community.

As a community based organization serving large population of low income residents, we hear firsthand about the important role that utilities, such as natural gas, play in the daily lives of our clients, friends, and neighbors. Extending a renewable gas option to this population will not only help to reduce costs in an already impoverished neighborhood, but it will also set a positive example of how all natural utilities should strive for the betterment of both their community and their environment.

The natural gas is a vital resource, it is imperative that a renewable option be extended to a population that relies heavily on the benefits provided by this utility; not only to curb negative environmental effects, but also to send the message that natural gas can fit into the modern recyclable energy paradigm that permeates our society. As such, we would like to appeal to regulators to make this option available as soon as possible to all Southern California Gas customers.

Sincerely,

A handwritten signature in black ink, appearing to read "Charisse Weaver", with a long horizontal line extending to the right.

Charisse Bremond Weaver  
President/CEO

*"Sowing Seeds and Growing a  
Strong Community"*



**CALGREN**  
*Renewable Fuels*  
www.calgren.com

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April 12, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Calgren Renewable Fuels (Calgren) supports SoCalGas's proposal to the California Public Utilities Commission (CPUC) to establish a voluntary renewable gas tariff, a program that would allow customers to choose to purchase renewable natural gas as a portion of their energy.

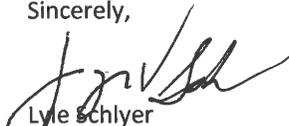
For over a decade, Calgren has sought to contribute to America's energy security by constructing and operating renewable fuel production units at our Pixley, California facility. We currently produce 55 million gallons of low carbon intensity ethanol, 400,000 tons of "wet distillers grain," and 2.0 million gallons of corn oil each year. We also produce biomethane and are commissioning a biodiesel production unit. Calgren is passionate about the green movement that has spread across the country. We are constantly engineering and dreaming up ways to make our plant greener and more efficient.

Recent catastrophic weather events across the nation, including wildfires and mudslides here in California, demonstrate that climate change is real. Not only are we hurting ourselves, we are leaving things worse for our kids. We must promote multi-pronged solutions that address the unacceptable amount of greenhouse gases emissions that are damaging our atmosphere. And we must do what we can now, not wait for new technologies to evolve.

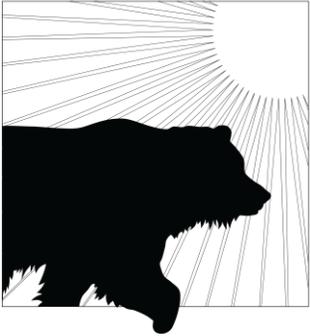
Thus Calgren supports SoCalGas' renewable gas proposal. Renewable natural gas is often produced by capturing methane that would otherwise be emitted into the atmosphere. Capturing air emissions and turning them into a renewable fuel that reduces our consumption of fossilized carbon is doubly green. In addition, it sends the important message that our energy sources can be decarbonized via the intelligent use of waste streams, not just by harnessing wind and solar.

Encouraging the use of this domestically-produced clean energy resource is the right move for our national and environmental security. We encourage the CPUC to make this option available to SoCalGas customers as soon as possible. Thank you.

Sincerely,

  
Lyle Schlyer  
President

CALIFORNIA LATINO



LEADERSHIP INSTITUTE

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**Lisa D. Baca**

*Executive Director*

*Cell 213 910-2592*

Email [cli.baca@gmail.com](mailto:cli.baca@gmail.com)

[www.calatinoleadership.org](http://www.calatinoleadership.org)

IRS 501 c 3 FEIN #47-1243514

February 25, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

I am writing this letter in **SUPPORT** of Southern California Gas Company's Green Tariff proposal to help customers reduce their carbon footprint by using renewable gas (RG).

Founded in 2014 as a 501 c 3 nonprofit organization, the Mission of the CA Latino Leadership Institute (CLLI) is to develop diverse entrepreneurial and action-oriented public, corporate and community leaders as effective mentors, creating a better future for California.

As California's youth grow into the leaders of tomorrow, they are keenly aware of impacts their carbon footprint will have on future generations. CLLI supports the Southern California Gas Company using RG to help the state achieve its climate change goals by reducing methane and carbon dioxide emissions.

Thank you,

*Lisa D. Baca*

Executive Director CLLI

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Development & Administrative  
Coordinator



Center for Asian Americans United for Self Empowerment

February 27, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. 5<sup>th</sup> Street, ML GCT 21C2  
Los Angeles, CA 90013

RE: Renewable Gas Tariff Option

Dear Ms. Tomkins,

On behalf of the Center for Asian Americans United for Self Empowerment (CAUSE), I would like to express our support of The Green Tariff Initiative proposed by the Southern California Gas Company. This proposal will be an important means for meeting our climate change goals. By expanding the opportunities for renewable gas usage, which converts waste from landfills, waste water treatment plants, and biomass sources, Southern California Gas Company is leading the way in ensuring there are affordable and environmentally responsive options available to its customers.

As you know, CAUSE has been committed to empowering the next generation of leaders and voters dedicated to advocating for the diverse needs of the Asian Pacific American community for 26 years. Those we work with currently rely on natural gas to heat their homes, cook healthy meals for their families, and for business purposes. Many of our San Gabriel Valley and Koreatown partners in the restaurant industry rely on natural gas to service their customers on a daily basis. In that sense, natural gas is a necessity to their daily lives.

We recognize the dire need to protect our environment and understand that Southern California Gas Company carries a heavy responsibility in ensuring a sustainable future for us all. The Green Tariff proposal allows customers to have the option to choose how much of their natural gas comes from renewable sources in a way is mindful of their financial position. It gives our low income and disadvantaged communities the opportunity to be responsive to the needs of the environment without having to worry about whether or not they will be able to cover the costs of their basic necessities: utility bills, meals, and a roof over their head.

We want our next generation to see a bright future and to ensure that our youth feel that bright future is attainable. As such, we would like to ensure that our greater communities have the option to begin to make environmentally conscious choices and urge for our state legislators to allow this program to move forward as soon as possible.

Sincerely,



Kim Yamasaki  
Executive Director



March 4, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

We are writing in support of SoCalGas' proposal to allow customers to opt into a renewable natural gas tariff program. The proposed program is a smart and effective way to immediately reduce greenhouse gas emissions and catalyze a market for renewable natural gas that will provide ongoing climate and health benefits in the future.

The Central City Association (CCA) is Los Angeles' premier advocacy organization and leading visionary on the future of Downtown LA. CCA represents the interests of 400 businesses, trade associations, and nonprofit organizations that together employ more than 350,000 people in Los Angeles County. Through our work CCA has developed an expertise around areas of economic development, housing, transportation, energy, and quality of life issues that affect businesses, residents, and tourism in the urban center of Los Angeles.

As you know, one of the main benefits of renewable natural gas (RNG) is the capture and conversion of methane into carbon dioxide. Methane has a Global Warming Potential (GWP) approximately 25-30 times greater than carbon dioxide, meaning that RNG is a carbon-neutral fuel source that reduces net contributions to climate change. A renewable gas tariff option will help SoCalGas fund additional investments in methane capture and ensure that fewer high-GWP emissions – from dairy farms and other sources – are entering our atmosphere.

Creating an RNG tariff program will give residents and businesses a new, voluntary option for supporting a more sustainable energy sector and creating jobs in the green economy. Importantly, it will help hasten the shift away from fossil fuels and bring down costs so that a larger share of our region, state, and country can participate in similar programs and spur further reductions in greenhouse gas emissions.

We strongly support your efforts to establish a renewable gas tariff program and urge the California Public Utilities Commission to make this option available to Southern California residents and businesses as soon as possible.

Sincerely,

A handwritten signature in blue ink, appearing to read "J Lall", is written over a light blue horizontal line.

Jessica Lall  
President & CEO



April 4, 2019

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Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

I am writing to provide support for renewable gas tariff option.

The Century City Chamber of Commerce is a membership organization of companies and professionals who live and work in Century City.

I believe customers should have the option of purchasing a portion of their gas from renewable sources so that they may reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas (RG).

Thank you for helping to make this option available as soon as possible.

Sincerely,

Nancy Wood

President & CEO

February 25, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Chisan Orchids Nursery is in support of SoCalGas' proposal to the California Public Utilities Commission to establish a renewable gas tariff program that would allow residential and commercial/industrial customers to purchase a portion of their natural gas from renewable sources.

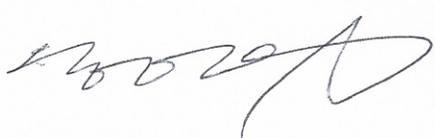
We are a wholesale nursery that has been producing orchids on the Central Coast of California since 2004. This particular nursery is only 15 years old, but we have over 30 years of experience in the orchid business. We specialize in the cymbidium orchid and strive to create the perfect environment in which this delicate, beautiful flower can bloom. Our 28-acre nursery has increased its yield every year and currently has an annual production of over one million orchids.

Our founder, Mr. H.B. Lee, grew up in South Korea and spent most of his adult life cross-breeding, growing, and selling orchids. When he decided to move his operations to the United States, he sought to find a place with the perfect environmental attributes continue his lifelong passion. Cymbidiums require precise amounts of light, temperature, and water to reach their full potential and Los Alamos has been the ideal location for us for decades. As a business that relies on a delicate equilibrium of natural resources, we want to support policies and programs that protect the environment. SoCalGas' proposed renewable gas tariff allows customers to contribute to California's efforts to meet its climate goals. Converting methane gas into renewable gas will reduce the state's carbon footprint and prevent harmful emissions from entering the atmosphere. That is why this application has our support.

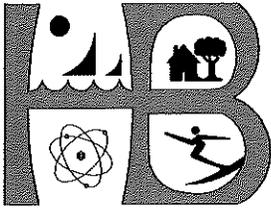
Chisan Orchids Nursery respectfully requests that our regulators approve the renewable gas option and make it available as soon as possible. Thank you.

Sincerely,

Heung Bok Lee



3/1/19



# City of Huntington Beach

2000 MAIN STREET

CALIFORNIA 92648

**Erik Peterson**  
**Mayor**

March 19, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

I am pleased to inform you of my support of the Renewable Gas Tariff Option - SoCalGas that was recently filed with the California Public Utilities Commission.

Huntington Beach is a seaside city within Orange County, California. It is bordered by the Pacific Ocean on the west, and has long been known for its miles of beautiful beach, mild climate, and excellent surfing, earning it the nickname of Surf City USA. Surf, sand, sun and subtle sophistication encapsulate what the City of Huntington Beach is all about.

The environment has always been important to the residents and leaders of Huntington Beach. The beautiful coastline and natural wetlands attract thousands of visitors each year and close to 200,000 people call Huntington Beach home. The City understands the need to protect the environment and has initiated a variety of programs aimed to educate residents and businesses alike. That's why we would appreciate a SoCalGas Renewable Gas Program that offers our residents more choices and a greener option when it comes to their energy. Also home to large commercial natural gas users like AES Corporation as well as the City of Huntington Beach itself, empowering residents and business a program to make more environmentally friendly choices is one I would strongly support.

With renewable natural gas technologies and partnerships already in place today, I see no reason to wait any longer on approving the Renewable Gas Program and doing even more to clean our air. Thank you for your consideration and please do not hesitate to contact me should you have any questions.

Sincerely,

Erik Peterson  
Mayor  
City of Huntington Beach



525 S. Hewitt St.  
Los Angeles, CA 90013

213.634.3790  
climateresolve.org

February 21, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: SoCalGas submission to CPUC on green tariff - SUPPORT**

Dear Ms. Tomkins:

Climate Resolve supports SoCalGas' proposal to the California Public Utilities Commission to begin a green tariff program that will provide customers options to procure renewable gas.

The reduction of greenhouse gas emissions is a central goal of our organization. Based in Los Angeles, Climate Resolve is dedicated to achieving local solutions to global climate change and ensuring that these solutions benefit all, especially low-income communities.

SoCalGas' green tariff, if approved, will help customers reduce their carbon footprint by displacing fossil fuel with renewable gas. We think that this is smart policy and is wholly aligned with California's goal of achieving net zero emissions by 2045.

Just as Climate Resolve supported SB 100, to achieve 100% carbon-free electricity in the state by 2045, we further support using renewable electricity to displace fossil gas. Electrifying household products is a key strategy in de-carbonizing the state – and we support it.

Yet, today, millions of California use natural gas to warm their showers, heat their homes and cook their meals. As much as we like and promote electrification of heating and cooking, we also know that market penetration of these appliances is low.

We must be realistic – the electrification of consumer products is decades away, if ever. Therefore, SoCalGas' green tariff is a practical way for households, businesses, even entire cities, to achieve carbon neutral goals – and not need to wait for a magic electric bullet. We can achieve carbon savings today.

Akin to community choice options in the electricity sector, the green tariff would allow residential customers to choose how much of their gas will be supplied by renewable sources. Commercial and industrial customers could make similar choices.

This is smart policy that deserves support.

Sincerely,

A handwritten signature in black ink that reads "Jonathan Parfrey". The signature is fluid and cursive, with a large, sweeping initial "J".

Jonathan Parfrey  
Executive Director



February 26, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins:

**Re: Renewable Gas Tariff Option**

I am very interested to hear your proposal to offer a renewable gas option to our businesses here in the City of Commerce. I support the initiative to offer businesses a tariff option on their gas bill.

We represent the Business Community in the City of Commerce as their local Business Chamber. We are a not for profit organization, and we pride ourselves on our relationships and our ability to advocate on behalf of our members.

I am in favor of any initiative that promotes renewable energy and I am absolutely in favor of offering our members an option to participate if they choose at the earliest opportunity.

Sincerely,

Robert Taylor  
Executive Director  
Commerce Industrial Council



# CONGRESS OF CALIFORNIA SENIORS

1230 "N" STREET, SUITE 201, SACRAMENTO, CA 95814 • (916) 442-4474 • (800) 543-3352 • FAX (916) 442-1877 • [www.seniors.org](http://www.seniors.org)

February 20, 2019

Ms. Sharon Tomkins, Vice President  
Southern California Gas Company Customer Solutions  
555 W. Fifth Street. ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins,

On behalf of the Congress of California Seniors (CCS) I am writing to express our support for Southern California Gas Company's (SoCalGas) Green Tariff proposal which would allow SoCalGas customers to purchase a set amount of gas from renewable sources for a set period of time. We urge the state Public Utilities Commission to approve this proposal.

CCS has been a vital advocate for seniors at the state capitol for almost 42 years. Our members and allies have become increasingly aware of the importance of the gas, electric, telecom, and digital infrastructure in the lives of older Californians. In these areas our advocacy focuses on maintaining reliability of service while keeping costs affordable.

The Green Tariff proposal will allow individual residential customers as well as businesses to contract with SoCalGas to use Renewable Gas (RG) rather than natural gas mined from under the earth. RG is simply the usable methane gas that is created when organic substances decay. Examples of RG sources are garbage dumps, waste water treatment plants, animal waste, crop waste and wasted food. RG can be collected and used in lieu of regular natural gas, thus helping reduce the effects of climate change.

CCS sees the Green Tariff option as another way that seniors can contribute to the movement to reduce California's carbon footprint while at the same time promoting new technologies without loss of reliable service. For these reasons, the Congress of California Seniors strongly supports the renewable gas Green Tariff proposal.

Sincerely,

A handwritten signature in black ink that reads "Gary Passmore". The signature is written in a cursive style and is set against a light beige rectangular background.

Gary Passmore  
President

February 26, 2019

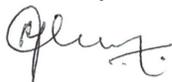
Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: California Public Utilities Commission - Renewable Gas Tariff Option

Dear Ms. Tomkins:

As the Director of the **Center for Renewable Natural Gas (CRNG)** with the College of Engineering Center for Environmental Research and Technology at the University of CA, Riverside, I am writing to support a Renewable Natural Gas tariff option. Renewable Natural Gas is an important alternate fuel with significant GHG and air quality benefits. RNG, like most other renewable fuels, is more expensive than fossil fuels due to a number of factors. With proper policy support, the costs will very likely decrease over time as more projects are developed and technology keeps maturing. A voluntary green tariff initiative is an excellent way to support RNG, and similar approaches have worked for other renewable resources and in other jurisdictions. This approach also gives individuals and organizations a unique opportunity to support a clean, renewable fuel and combat climate change. Making RNG readily available and offering the option to the public will support customers in reaching their sustainability goals and reducing their and California's carbon footprint.

Sincerely,



Arun Raju  
Director, Center for Renewable Natural Gas  
CE-CERT, University of California, Riverside  
arun@engr.ucr.edu  
951-781-5686 work; 909-910-6577 cell  
<http://www.cert.ucr.edu/research/rng/>



March 12, 2019

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DIANA BURCKHARD  
Membership/Marketing Director

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Regarding: Renewable Gas Tariff Option**

Dear Ms. Tomkins,

This letter is in support of having a renewable gas tariff option available for small to medium size businesses and residents within the city of Duarte. As an advocate for businesses, the Chamber has been urging legislators to allow businesses and residents the option of having natural gas as an energy source.

The vast majority of the businesses located in our city are small businesses, the bulk of them using natural gas. Having a renewable gas tariff available will let those customers designate having all (or a portion) of their natural gas provided by renewable gas. Businesses are being faced with more and more regulations in California that have made businesses close and many deciding to not start businesses here at all. Not being able to use gas is yet another costly governance that they must face doing business here. Our concern is that most of these small businesses will not be able to continue business without this alternative.

As a resident in Duarte, the bulk of the homes use gas. Over 10% of our members are fellow residents. The cost of having to convert residences to an all-electric home are staggering. Many of our residents are seniors or on fixed incomes and cannot afford to change over. Giving this customer base the choice of renewable gas will eliminate that barrier.

Please implore the regulators to make this option available promptly so that new and existing businesses are not faced with the financial burdens if a renewable gas tariff is not an option.

Sincerely,

Sheryl Lefmann  
President/CEO



February 20, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Subject: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

Eastern Municipal Water District supports a renewable gas tariff option as it allows for a broader supply portfolio. With the ever changing regulations for Green House Gas reduction and the increased market availability of more environmentally friendly fuel supplies, having a renewable gas option that is locally makes good operational sense.

Eastern Municipal Water District (EMWD) is the water, wastewater service and recycled water provider to more than 825,000 people living and working within a 555-square mile service area in western Riverside County. It is California's sixth-largest retail water agency and its mission is "To deliver value to our customers and the communities we serve by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services."

EMWD supports Southern California Gas Company's business decision to provide Renewable Gas for both environmental and procurement diversity reasons. Renewable Gas provides an option for EMWD to purchase a more environmental friendly sourced product and during possible shortages of Natural Gas, allows for the purchase of an alternative fuel supply.

Board of Directors

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2270 Trumble Road • P.O. Box 8300 • Perris, CA 92572-8300

T 951.928.3777 • F 951.928.6177 [www.emwd.org](http://www.emwd.org)

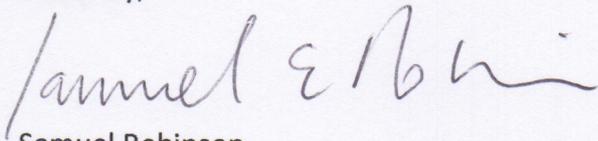
Ms. Sharon Tomkins / Subject: Renewable Gas Tariff Option

February 20, 2019

Page 2

Eastern Municipal Water District requests that regulators make the Renewable Gas option available as soon as possible so that we may begin exploring the financial and operational benefit to the District and its stakeholders where it makes good financial sense.

Sincerely,

A handwritten signature in cursive script that reads "Samuel Robinson". The signature is written in dark ink and is positioned above the printed name and title.

Samuel Robinson

Energy Program Manager



**Economic Vitality Corporation**  
of San Luis Obispo County  
735 Tank Farm Road, Suite 264  
San Luis Obispo, CA 93401  
Tel (805) 788-2012 Fax (805) 781-6293  
[www.sloevc.org](http://www.sloevc.org) Non-profit 501(c)(3)

March 5, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Subject: **Endorsement of SoCalGas Renewable Gas Tariff Option**

- *Recommend vote YES on proposal*

Dear Ms. Tomkins:

On behalf of Board of Directors of the Economic Vitality Corporation (EVC) of San Luis Obispo County (SLO), we hereby support SoCalGas' application for a Green Tariff with the California Public Utilities Commission (CPUC).

The Green Tariff will enable SoCalGas customers and our business community the choice of purchasing a portion of their natural gas from renewable sources. The more options available to commercial, industrial, institutional and residential customers, the better for California and the nation.

As a county-wide economic development organization in its 25<sup>th</sup> year, we collaborate with other groups on job prosperity and growing the economy in a balanced approach. Our region is already the home of two of the world's largest solar energy farms, and we are also working on the prospect of offshore wind energy; as just the beginning of such opportunities.

As we understand, the Green Tariff will enhance the marketplace for renewable natural gas as well as meet statewide goals for methane reduction. Therefore, we strongly encourage the California Public Utilities Commission to "vote yes" on the Green Tariff proposal.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Manchak".

Michael E. Manchak  
President & CEO



energy independence now

March 18, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Energy Independence Now (EIN) is in full support of SoCalGas' proposal to the California Public Utilities Commission (CPUC) to establish a renewable gas tariff program, which would allow residential and commercial/industrial customers to purchase a portion of their natural gas from renewable sources.

EIN is the only nonprofit organization dedicated to advancing hydrogen fuel cell electric vehicles (FCEVs) and renewable hydrogen-fueling infrastructure— a cornerstone of a clean energy and transportation economy. EIN engages in comprehensive research, strategic policy advocacy and public outreach to stimulate the widespread adoption of fuel cell vehicles as a key component of a zero-emission transport future. Our primary focus is to reduce greenhouse gas emissions and particulate matter from the transportation sector by advancing clean hydrogen fuel cell electric vehicles. EIN leverages the experience it has gained working on technology-specific regulations (biodiesel, hydrogen, electric vehicles) to provide direct input on the design and language of new and revised regulations to accelerate the deployment and adoption of fuel cell vehicles and other alternative fuel options.

As recent catastrophic weather events have demonstrated we are feeling the impacts of climate change today. If we do not take action to reduce greenhouse gas (GHG) emissions today, we can expect a greater frequency of violent storms, more forest fires, a more acidic ocean, and other dangers to humanity caused by a warming climate. Here at EIN, we focus our efforts on the Californian transportation sector, the largest producer of the state's GHG emissions. SoCalGas' renewable gas tariff option takes aim at another major emitter of GHGs in California: organic waste streams. The ability to collect methane gas from sources such as farms, landfills, and waste water treatment plants, then turn it into renewable fuel is a tremendous boon to the fight against climate change. Instead of letting the methane damage our atmosphere, it is put to use down here, simultaneously reducing GHG emissions and providing us with a clean, renewable energy source that will lessen our dependence on fossil fuels.

EIN is proud to offer support for SoCalGas' renewable natural gas tariff option, look forward to the inclusion of hydrogen and urge the CPUC to approve it without delay. Thank you.

Sincerely,

Brian Goldstein  
Executive Director  
Energy Independence Now



**ENERGY VISION** 138 East 13<sup>th</sup> Street New York, NY 10003  
Tel: 212-228-0225 Web: [www.energy-vision.org](http://www.energy-vision.org) Twitter: @Energy\_Vision

February 27, 2019

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Matthew P. Tomich  
*President*

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins,

Energy Vision (EV), a New York-based national 501(c)(3) environmental organization, has analyzed clean energy and fuel options for the last decade and concluded that waste-based renewable natural gas (RNG) is a fuel with exceptional environmental, health, waste reduction and economic benefits for our country. We are pleased to support the SoCalGas (SCG) proposal to offer this fuel to its customers.

Transforming various organic waste streams into a renewable, domestic, clean, ultra-low or negative-carbon fuel that can replace geologic natural gas is a big step forward toward a sustainable future. By utilizing extensive existing infrastructure, SCG has the unique opportunity to advance decarbonization of California's natural gas supply, offer this clean renewable alternative to existing natural gas users and help the State meet its ambitious commitments to waste reduction and to combating global climate change.

In 2009, Energy Vision first recognized RNG (also known as "biomethane") as a versatile energy/fuel option with immense untapped potential in the US. Made by capturing the methane-rich biogases emitted from decomposing organic waste, production of this fuel involves no drilling and sequesters potent greenhouse gases that would otherwise escape into the atmosphere. Organic wastes in landfills, or wastewater, food scraps and agricultural wastes, when processed in anaerobic digesters to produce renewable natural gas are turned into a valuable clean energy resource.

Historically, the vast majority of biogas projects were designed and developed to produce on-site electricity, largely in alignment with state-level Renewable Portfolio Standards. However, as other renewable energy technologies like solar and wind have scaled up, the economics of biogas-to-electricity have become challenging without significant subsidy.

Since 2012, the combination of evolving public policy and shifting market economics has led to a significant and important paradigm shift: more and more projects are cleaning biogas to pipeline quality—by removing carbon dioxide, moisture and other impurities—for injection into the extensive natural gas grid, rather than combusting it on-site. Between the US and Canada, there are now more than 90 projects capturing methane from decomposing organic wastes and refining it to pipeline quality.

However, pipeline access and acceptance for biomethane projects is still a major challenge. While the technology is proven, commercial and safe, only a handful of states and/or gas utilities have addressed the barriers to greater adoption and integration of biomethane; namely gas quality and pipeline interconnection standards. Fortunately, California and SoCalGas were among the first to recognize the role RNG can play in decarbonizing the natural gas grid and reducing the carbon footprint of various commercial and individual end users.

RNG is a winning strategy for the environment. Its use achieves emissions savings of 40% or more compared to geologic gas. According to lifecycle analyses by California's Air Resources Board and Argonne National Lab, when made from separated food waste or animal manure, RNG projects achieve emissions savings greater than 100% by sequestering more carbon during the fuel's production than is emitted in its combustion, making RNG "net-carbon-negative."

RNG is an economic development driver. Nationally, the average RNG project investment ranges from \$10 million-\$50 million, and generates more than 100 short- and long-term jobs. Since 2012, total RNG project investments have exceeded \$750 million dollars. Providing access to various end-use markets through pipeline injection and distribution will also help incentivize the build-out of anaerobic digestion infrastructure, which will be critical in meeting California's landfill diversion and methane mitigation efforts.

RNG is good for public health, especially when utilized in vehicles with advanced "near-zero" emission natural gas engines. It is a renewable, clean-burning fuel option that utilizes proven commercial technology.

For all of these reasons, Energy Vision, as an independent environmental organization and recognized authority on rethinking waste and clean fuels, supports SoCalGas' proposal and ongoing efforts to integrate renewable natural gas in California.

Thank you in advance for your consideration of this important topic.

Sincerely,



Matthew P. Tomich  
President



April 11, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

The Garden Grove Chamber of Commerce is in support of the Southern California Gas Company's filing an application to provide Renewable Natural Gas to residential and commercial/business customers.

The Garden Grove Chamber of Commerce is a non-profit, non-governmental, voluntary membership organization comprised of local businesses and leaders interested in enhancing our community. It serves as the link between businesses, local government, neighborhood associations, and the general public.

We strongly urge that the California Utilities Commission consider SoCalGas' application. We strongly believe that natural gas should remain in the State's energy portfolio. Many of our businesses depend on natural gas and could experience negative financial impact if they were forced to change out equipment for more expensive energy.

The Garden Grove Chamber supports the Renewal Gas Tariff proposal and we see no reason to wait any longer on approving the Renewable Gas Program.

Sincerely,

A handwritten signature in cursive script that reads 'Cindy Spindle'.

Cindy Spindle  
President/CEO, Garden Grove Chamber of Commerce



February 27, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Global Green is in full support of the renewable gas tariff proposed by SoCalGas. Global Green is an environmental non-profit based out of Santa Monica. For 20 years, we have been a national leader in advancing smart solutions to climate change that improve lives and protect our planet.

We believe this tariff is a key step in reaching California's Clean Energy Goals and in empowering individuals to be a part of the solution. The "Green Tariff" is directly in line with work that Global Green has carried out in recent years in partnership with SoCalGas, namely our Biogas Generation & Food Recovery Initiative. This initiative has included the implementation of Eco-Ambassador resident engagement programs for food waste diversion in multi-family buildings, as well as working with partner cities to increase the infrastructure for, and generation of, biogas.

Food waste can be used to generate renewable biogas through a process called anaerobic digestion. With California's recent legislative mandates, AB-1826 and SB-1383, there will be an increase in organics diversion from landfills and therefore an increased capacity to create renewable energy. The voluntary "Green Tariff" will allow SoCalGas to buy this renewable natural gas from producers and therefore, reduce the consumption of fossil fuels and emission of greenhouse gases.

We request that regulators make the "Green Tariff" an option as soon as possible. The transparency available through this tariff is necessary to allow customers to vote with their dollars for a sustainable and just world.

Thank you.

Sincerely,

Andrea Ostenso  
Sustainable Cities Associate

March 5, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

I am very impressed with the potential for obtaining natural gas from waste and agricultural products. A carbon-neutral or possibly a carbon-negative source of natural gas supports many of the stated environmental goals for California. The offering of a tariff on environmentally friendly sources of fuel has become common place and will be embraced by a significant percentage of users as at least a partial source of their energy portfolio.

I currently am employed in a food manufacturing facility in Pasadena, California where we consume a significant amount of natural gas. Pasadena is a city very in tune with their environmental footprint and is a good fit for the proposed new program.

The concept of phasing out our clean, abundant supply of natural gas in the short to medium term is beyond unwise. The amazing reliability and infrastructure of our natural gas system is the envy of the world. This is an asset to be protected and used for the citizens' of this country and not to be dismantled based on unproven theories and technology where we do not currently understand all the potential negative ramifications.

I am requesting regulators to make the new tariff based natural gas options available as soon as possible. We have a proven source of energy potentially available to us with no negative effect on our environment and even a possible carbon-negative outcome. The arguments opposing this new source of energy have little or no merit.

Sincerely,  
William Cullinane  
Business Manager  
Gourmet Fresh Pasta

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**Ms. Sharon Tomkins**  
Vice President, Customer Solution  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

**Dear Ms. Tomkins,**

On behalf of the Greater Conejo Valley Chamber of Commerce and its members, we support Southern California Gas Company’s intent to rollout a voluntary “Green Tariff” program to the benefit of its customers and California as a whole.

As a Chamber of Commerce, our goal is to promote economic vitality for our members and community while enhancing the profitability of businesses through leadership and political action.

With this renewable gas tariff option, we as a business community, would be actively taking steps to meet California’s goals of reducing greenhouse gas emissions, address climate change, and reduce overall costs of utilities over time to consumers. We support the “Green Tariff” program because it is a balanced approach to conserving the environment while also supporting manufacturing for businesses.

We urge the California Public Utilities Commission to consider making this option available as soon as possible for the benefit of our community, region, and the State of California.

Sincerely,

**Jill Lederer, MBA, ACE**  
President/CEO  
Greater Conejo Valley Chamber of Commerce





**GLAAACC**

**Greater Los Angeles African  
American Chamber of  
Commerce**

501(C) 6

February 20, 2019

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Byron K. Reed  
Odest T. Riley Jr.

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins:

The Greater Los Angeles African American Chamber of Commerce (GLAAACC) is supportive of the renewable gas tariff option.

GLAAACC is dedicated to the growth and development of African American owned businesses in the greater LA area. Our mission is to advocate and promote on behalf of our members and create business opportunities, business alliances and legislative advocacy.

We support efforts that will help small business reach their sustainability goals and reduce their carbon footprint. It's one way we can all help stabilize climate change and reduce methane and carbon dioxide emissions. We believe the Green Tariff proposal will achieve that goal.

On behalf of our directors and members, we urge regulators to make the renewable gas tariff option available as soon as possible. Thank you for your consideration.

Sincerely,

Gene Hale  
Chairman



February 28, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

RE: Renewable Gas Tariff Option

Dear Ms. Tomkins

On behalf of the Greater Ontario Business Council (GOBC), I am writing to support the application submitted by the Southern California Gas Company with the California Public Utilities Commission to offer residential and small to medium size business customers the option of purchasing a portion of their natural gas from renewable resources.

The Greater Ontario Business Council serves members throughout Inland Southern California. We currently have over 425 business members representing over 94,000 employees and residents. GOBC is the leading authority in the region driving growth and prosperity with in the business community. Our pillars of ACCESS – ADVOCACY - EDUCATION are the foundation of our organization.

The Greater Ontario Business Council supports Southern California Gas Company's Renewable Gas Tariff as it will help promote growth and development of the Renewable Gas Industry and will empower customers to use energy wisely. Ultimately this will help reduce the Green House Gas emissions and result in customers achieving their own sustainable goals.

The Greater Ontario Business Council encourages the California Public Utilities Commission to make the opportunity available to Southern California Gas Company as soon as possible. Thank you for your consideration. If you have any questions, please do not hesitate to call me at 909.984.2458 or email at [phazlett@ontario.org](mailto:phazlett@ontario.org).

Warmest regards,

Peggi Hazlett  
Chief Executive Officer  
Greater Ontario Business Council



March 21, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

My name is Monica Farias and I live and work in the wonderful city of West Covina. As Founder and Executive Director of the Greater West Covina Business Association I wanted to state my support for the renewable gas tariff option. My organization represents the interest of the businesses in the City of West Covina and I am always looking for ways to better service the community in which I serve.

Our Community has grown into one of the most desirable area to live, work in southern California and since this renewable gas tariff aims at aiding the state achieve its decolonization goals by reducing methane emissions as well as displacing traditional fossil fuel, I have to support this program.

I urge regulators to make this Renewable Gas tariff an option as soon as possible. I am certain that both businesses and residential customers would benefit greatly by having the option to designate all or a portion of their natural gas service to be provided by Renewable Gas.

Sincerely,

Monica Farias,  
Founder & Executive Director  
The Greater West Covina Business Association

Harbor Association of Industry and Commerce  
6216 E. Pacific Coast Hwy. #407  
Long Beach, CA 90803  
[info@harborassn.com](mailto:info@harborassn.com)  
[www.harborassn.com](http://www.harborassn.com)



April 11, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

The Harbor Association of Industry & Commerce (HAIC) is in support of the Southern California Gas Company's filing an application to provide Renewable Natural Gas to residential and commercial/business customers.

HAIC is a non-profit industrial and commercial trade association which serves as a united voice on trade, transportation, energy, environmental and land-use issues affecting the South Bay and harbor business communities.

We strongly urge that the California Utilities Commission consider SoCalGas' application. We strongly believe that natural gas should remain in the State's energy portfolio. Many of our businesses depend on natural gas and could experience negative financial impact if they were forced to change out equipment for more expensive energy.

The HAIC supports the Renewal Gas Tariff proposal and we see no reason to wait any longer on approving the Renewable Gas Program.

Sincerely,

A handwritten signature in black ink, appearing to read "Henry Rogers".

Henry Rogers  
HAIC Managing Director



**HAWTHORNE  
CHAMBER OF COMMERCE**

www.hawthorne-chamber.com

February 28, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, Ca. 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

I am very excited about SoCalGas initiatives to funnel methane emissions into renewal fuel sources. I understand that they have shown the most devastating impact on climate change.

The Hawthorne Chamber of Commerce is the voice for small, medium and large businesses and is committed to economic growth.

Our Chamber is in support of making renewable energy available to residents and businesses in our community.

We hope the California Utilities Commission will approve this proposal as soon as possible.

With Sincere Thanks,

Patricia Donaldson  
President/CEO



March 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
SoCalGas  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Inland Empire Economic Partnership (IEEP) writes to express its strong support of SoCalGas' proposal to provide its customers with the option to purchase renewable natural gas.

As California works to meet its ambitious greenhouse gas (GHG) emission reductions goals, it is critical that businesses and consumers have access to clean energy options that are cost-effective and reliable for the regional economy to remain productive and competitive. Providing customers with the option to purchase renewable natural gas will allow California to reduce GHG emissions in a way that is two-to-three times more cost-effective than other options.

IEEP is fully committed to any action that will not only allow California residents and businesses the option for a broader range of energy sources but will also contribute to lowering the state's GHG emissions. Renewable Natural Gas should be a staple in California's future regarding clean energy as it can already be implemented into our natural gas system and is key to reducing methane emissions. The program will help the Renewable Gas industry grow and develop while giving customers and businesses alike the freedom to make cleaner energy choices.

As the Inland Empire region's voice for business and quality of life, IEPP urges the California Public Utilities Commission to approve SoCalGas' request to provide their customers with a safer, cleaner and more efficient energy source.

Sincerely,

A handwritten signature in black ink that reads "Luis Portillo". The signature is written in a cursive style.

Luis Portillo  
Director of Public Policy  
Inland Empire Economic Partnership



February 26, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

On behalf of the Inglewood Airport Area Chamber of Commerce (IAACC) we are pleased to support the Southern California Gas Company's (SoCal Gas) Green Tariff Proposal. The Southern California Gas Company is the nation's largest natural gas distribution utility, that delivers clean, safe and reliable energy to 21.6 million consumers in more than 500 communities throughout Central and Southern California, including the South Bay Region. The IAACC is in support of the Green Tariff Proposal because renewable fuel has the potential to reduce greenhouse gas emissions, create jobs and increase the diversity of domestic energy supply portfolio.

Inglewood Chamber of Commerce, the mission is to support our members and community by identifying and addressing the changing needs of our region focusing on building a vibrant and prosperous resort town, increasing tourism, promoting recreation, education for our youth and business owners, and giving back to those in need.

The Green Tariff Proposal will empower customers to put waste streams to beneficial use by purchasing a portion of their gas from renewable sources therefore reducing their carbon footprint. The Tariff proposal will also help the State of California achieve its climate change goals by reducing methane and carbon dioxide emissions.

We strongly support the Southern California Gas Company's (SoCal Gas) Green Tariff Proposal and hope you will consider funding this program in an effort to reduce greenhouse gas emissions and address climate change. Thank you for your time and consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Erick Holly".

Erick Holly  
Executive Vice President

SERVING

Chino, Chino Hills,  
Claremont,  
Diamond Bar,  
La Verne, Montclair,  
Mt. Baldy, Pomona,  
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Rancho Cucamonga,  
San Dimas, Upland,  
and Walnut



February 25, 2019

*Feeding the Hungry, Sheltering the Homeless since 1968*

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

This document represents a Letter of Support for the Renewable Gas (RG) tariff from the Inland Valley Council of Churches, dba Inland Valley Hope Partners.

Inland Valley Hope Partners has served the hunger and housing needs of the residents of the east end of Los Angeles County and the west end of San Bernardino County for more than 50 years. Our programs ensure the empowerment of people in need by providing food, shelter and supportive services. More than 75,000 no, very-low and low income individuals depend on our vital services each year. It is because we are well-versed in the needs of these households that our agency supports this tariff. Many of our clients live in neighborhoods overburdened with toxins; this tariff will help reduce methane emissions and ultimately contribute to a healthier environment for the children we serve. Additionally, natural gas historically has been our clients' most affordable utility, we hope that this tariff will allow this to continue to be the case and allow our clients to utilize their limited funds to pay rent and remain housed.

On behalf of the at-risk children and families we serve at Inland Valley Hope Partners, I urge the regulators to support the Renewable Gas (RG) tariff and make its benefits available to the community as soon as possible.

I thank you for your consideration.

Sincerely,

A handwritten signature in black ink that reads "Kami Grosvenor". The signature is fluid and cursive.

Kami Grosvenor  
President/CEO

Administrative Office:  
1753 N. Park Avenue  
Pomona, CA 91768

Mailing Address:  
PO Box 2572  
Pomona, CA 91769

Phone: 909.622.3806

[www.inlandvalleyhopepartners.org](http://www.inlandvalleyhopepartners.org)



March 1, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

SoCalGas is submitting a proposal to state regulators at the California Public Utilities Commission (CPUC) that will empower customers with the option to purchase a portion of their gas from renewable sources. The Green Tariff proposal will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas (RG). It will also help the state achieve its climate change goals by reducing methane and carbon dioxide emissions. The Kern County Taxpayers Association supports the proposal.

If approved by the CPUC, the program will be open to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas. Residential customers who participate in the program will be able to choose how much of their gas will be supplied by renewable sources by selecting from set dollar amounts. Commercial and industrial customers for whom SoCalGas purchases gas will be able to select either from set dollar amounts or a percentage of their total gas load.

KernTax is a member-supported, 501(c) 4 non-profit corporation, with the mission to bring about more accountable, effective, efficient, reliable government. Basing its actions on common sense, innovation, and the long-term view, KernTax crafts positions based on adopted values. Founded in 1939, KernTax is the guard dog protecting the interests of Kern County taxpayers.

KernTax views any government collection of funds through any financial conduit to be taxation, be it identified as a tax, a fee for government service or a regulated rate structure. If it is excessive or not appropriate, KernTax must, by charter, act to educate and facilitate resolution and ensure fair representation and treatment. We do not seek subsidies; we seek a fair return to our local citizens from all regulatory bodies and their agent for levied taxes, fees, or regulated services.

Southern California Gas (SoCalGas) and biogas producer Calgren Dairy Fuels (Calgren) to announced that renewable natural gas produced at Calgren's dairy digester facility in Pixley, California, is being injected into SoCalGas pipelines. The project marks the first time that carbon-gas system. In August 2018, SoCalGas began receiving renewable natural gas into its system from CR&R, Inc.'s anaerobic digesting facility in Perris, California. The renewable natural gas from that digestion facility is already being used to fuel about 400 waste hauling trucks. Renewable natural gas is a carbon-negative fuel produced from waste and agriculture that

**Kern County Taxpayers Association 1401 19<sup>th</sup> Street, Ste 200, Bakersfield, CA 93301 (661)322-2973**

can be used in trucks and buses, to generate electricity, fuel heating systems in homes and businesses, and for cooking.

SoCalGas plans to file with the California Public Utilities Commission a voluntary "Green Tariff" which would allow consumers to buy renewable gas from producers and reduce the amount of fossil gas that enters the ecosystem.

Respectfully,

[Michael Turnipseed](#)  
Michael Turnipseed  
Executive Director



February 27, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins,

On behalf of the Kern Economic Development Corporation (Kern EDC), I respectfully submit our support for the renewable gas tariff option.

Kern EDC represents a coalition of business and government leaders dedicated to ensuring a diverse and strong economic climate for Kern County. The organization is committed to stimulating a diversified and strong economic climate in Kern County. We accomplish this through the recruitment of new business opportunities and assisting in the retention and expansion of existing businesses.

The Green Tariff will provide the opportunity for customers to consume energy from locally-produced renewable sources. In addition, Kern County is currently home to several dairy biogas facilities. These projects convert waste streams into renewable fuel. This burgeoning industry cluster provides significant job opportunities for Kern County's residents.

Thank you for your time and consideration of this highly important matter.

Sincerely,

Richard D. Chapman  
President & CEO

# THE LANGHAM

HUNTINGTON  
PASADENA, LOS ANGELES

February 22, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

I am writing this letter to encourage your support for renewable gas tariff option.

I am currently the Director of Finance for the Langham Pasadena Hotel. Our hotel has and continues to be heavily involved in the community. Part of this relationship, and part of our brand's global initiatives, is to mitigate our impact on the environment. We continually review our operation for any opportunity that will allow us to become more "green" and providing us with renewable gas would clearly support this agenda.

My last request would be to encourage SoCal Gas to make this option available to its clients immediately. As stakeholders in our community, we should not delay any process that can better our earth.

Sincerely,



Hannah Riches  
Director of Finance  
The Langham Huntington, Pasadena  
[Hannah.riches@langhamhotels.com](mailto:Hannah.riches@langhamhotels.com)

March 8, 2019



Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**RE: SUPPORT PROCESS TO SEEK CUSTOMER OPTIONS FOR PURCHASING GAS FROM RENEWABLE SOURCES**

Dear Ms. Tomkins,

The Latino Food Industry Association (LFIA) is writing in support of SoCalGas efforts to meet with State Regulators (CPUC) to seek a customer option of purchasing a portion of their gas from renewable sources. The proposed Green Tariff proposal will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas.

The LFIA serves as the voice for the region's Latino Food Industry. We are a national organization, however we are based in the Southern California area. We support the very important restaurant and food industry and our members' interest. We support a healthy business climate for our members. We oppose unnecessary government regulations that suppress our members' business and business interests.

As the national and regional voice for the Latino Food industry, we acknowledge that the demand for natural gas has continued to increase, but supply production has not kept up with demand. This option would help to increase its development while promoting the purchase and use of gas from renewable resources, helping customers meet their desired environmental goals, without removing the choice to continue to purchase and use the same gas customers do now if they so desire.

We appreciate your time and consideration. If you have any questions or need additional information regarding our support of this project, please do not hesitate to contact me by email at [lilly@wearelfia.com](mailto:lilly@wearelfia.com) or via telephone at (925) 212-4016.

Sincerely,

Lilly Rocha  
President  
Latino Food Industry Association

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth St. ML GCT 21C2  
Los Angeles, Ca. 90013

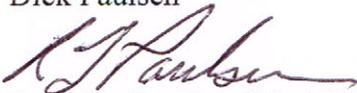
02/23/19

Dear Ms. Tomkins,

We have reviewed your “Green Tariff Proposal” for the inclusion of renewable gas to reduce the current levels of carbon (GHG) in your customers use of fossil fuel delivered gas. We would encourage the CPUC to approve this voluntary tariff to help us reach our sustainability goals. Properly implemented this program may reduce the cost of adding renewable gas to our fossil fuel mix.

Sincerely,

Dick Paulsen



Founder, Leading Edge Power Solutions

March 27, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. 5<sup>th</sup> St, ML GCT 21C2  
Los Angeles, CA 90013

**SUBJECT: Renewable Gas Tariff Option**

Dear Ms. Tomkins,

On behalf of the Los Angeles Area Chamber of Commerce (Chamber), I am writing in support of Southern California Gas Company's (SoCalGas) proposal to the California Public Utilities Commission (CPUC) to establish a renewable natural gas (RNG) tariff that would allow its customers the option to purchase a portion of their natural gas from a renewable source.

The Chamber is one of the largest and most influential business organizations in the Los Angeles region. Our organization represents over 1,650 organizations, which employ over 650,000 employees in the region. For over 130 years, the Chamber has proudly served its community working to improve the business climate and quality of life for the region across areas that include transportation and mobility, education, energy and water, environmental sustainability, health care, land use, and innovation.

The Chamber has long supported a cost-effective, fuel neutral approach to achieving local and state climate goals. SoCalGas' proposed RNG tariff embodies this approach. Through opting-in, customers will help establish the market and infrastructure for the product, likely reducing the RNG's cost over time. RNG is generated from methane sources, like biomass, food waste, or dairy farms, which means the process is carbon-neutral and has the added benefit of keeping methane out of the atmosphere. This tariff will help facilitate a key transition from fossil natural gas to renewable fuel by helping to develop the RNG market. This is an energy source that is available today, and is a tool that will help the state reach its ambitious emissions reduction goals.

For these reasons, we urge the CPUC to approve SoCalGas' request and thank you for your consideration. Please contact Public Policy Manager, Kendal Asuncion, with any questions at [kasuncion@lachamber.com](mailto:kasuncion@lachamber.com) or 213-580-7518.

Sincerely,



Maria Salinas  
President & CEO



April 3,2019

Mr. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013  
RE: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Los Angeles Gateway Chamber of Commerce supports a diverse and environmentally friendly approach to the delivery of energy, including natural gas. We are fully supportive of efforts to bring recycled biogas to use by natural gas users in Southern California, including the proposal by SoCal Gas for a tariff for those customers who want to purchase recycled bio-methane gas.

Los Angeles Gateway Chamber of Commerce, mission is to support our members and community by help identifying and address the changing needs our communities and to focusing on building a vibrant and prosperous business climates were all may thrive.

The Green Tariff Proposal will empower customers to put wasted streams to beneficial use by purchasing a portion of their gas from renewable sources therefore reducing their carbon footprint. The Tariff proposal will also help the State of California achieve its climate change goals by reducing methane and carbon dioxide emissions.

We strongly support the Southern California Gas Company's Green Tariff Proposal and hope you will consider funding this program in an effort to reduce greenhouse gas emissions and address climate change.

Thank you for your time and consideration

A handwritten signature in cursive script that reads "Joeann Valle".

Joeann Valle  
Executive Director





**Los Angeles  
Urban League**

*Empowering communities.  
Changing lives.*

March 29, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins,

This letter is to voice our support for the Green Tariff initiative proposed by Southern California Gas Company.

The Los Angeles Urban League is a 98-year old civil rights organization that stands for the empowerment of African Americans, other minorities, and disadvantaged people in Los Angeles County. We believe in and fight for economic empowerment, access to safe and affordable housing, the right to enjoy clean air and water.

The proposed Green Tariff will empower customers to make an informed decision to help reduce their carbon footprint by displacing traditional fossil fuels with renewable gas. Provided that none of the costs of the program are passed on to customers who have not elected to participate, with full disclosure of costs and no penalty for termination after the minimum commitment period has expired, the Los Angeles Urban League enthusiastically supports the Tariff proposal.

Therefore, we ask that the California Public Utilities Commission make this voluntary, renewable energy option available to customers as soon as possible to Southern California Gas residential and commercial customers.

Sincerely,

*Brian Williams*

Vice President and COO  
Los Angeles Urban League



March 8, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2

Dear Ms. Tomkins:

I am writing in support of your proposal to state regulators at the California Public Utilities Commission that will empower customers with the option of purchasing a portion of their gas from renewable sources. This will greatly help residential and business customers to reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas. It will also help the state to achieve its climate change goals reducing methane and carbon dioxide emissions.

Our organization is a non-profit organization operating in 7 California Counties offering a vast array of human service programs. These include early education, child care subsidies for low-income working families and families receiving public assistance benefits, programs for seniors and financial literacy programs. We are one of the largest Latino oriented non-profits in the Country.

I believe your proposal will greatly improve our environment and assure future generations of a better quality of life. Therefore, I request that regulators make this option available as soon as possible.

Sincerely,

Martin Castro  
President & CEO



**MAXIMUM NURSERY**

February 22, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

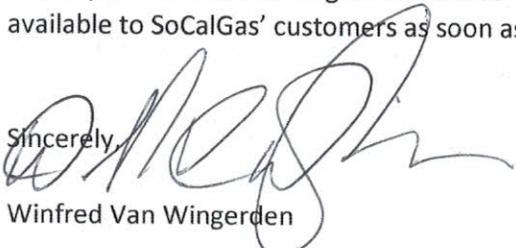
Maximum Nursery Inc. is proud to support SoCalGas' green tariff application to the California Public Utilities Commission, which would allow the company to provide its customers the option to purchase a portion of their gas from renewable sources.

Maximum Nursery is the oldest grower of gerbera daisies in the nation. We have been growing flowers here in California for over 35 years, but our legacy in this business goes back for decades. The standards to which we adhere were passed down from the rich floral heritage of our founders' European ancestors over the course of ten generations. That is why we know what it takes to grow top-quality flowers for our customers. We locate the finest varieties and subject them to rigorous scrutiny to ensure they are the absolute best. Then we utilize the latest in hydroponics technology to guarantee that everything we grow receives the right balance of nutrients, temperature, humidity, light, and carbon dioxide to produce a beautiful, healthy yield.

The Carpinteria Valley has been incredibly kind to Maximum Nursery. It has the ideal conditions for growing many types of flowers and we recognize that this land has been essential to our success. We seek to utilize practices that are environmentally-conscious and reduce waste in our operations because we understand the importance of protecting our environment for ourselves and for future generations. We support SoCalGas' renewable gas tariff option because it is the type of program that will help California reduce its methane emissions. Combating climate change requires bold innovative solutions like this proposal, which is why we are backing it.

We request that the CPUC grant SoCalGas' request without delay and make the renewable gas tariff available to SoCalGas' customers as soon as possible.

Sincerely,

  
Winfred Van Wingerden



February 27, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

In reviewing your Green Tariff Proposal, I am very excited about SoCalGas' initiatives to funnel methane emissions into renewal fuel sources as these emissions have been shown to have the most devastating impact on climate change.

The Montebello Chamber of Commerce represents small, medium and large businesses in Montebello and is committed to the economic growth and overall welfare of our community.

The Chamber's leadership is in support of making renewable energy available to residents and businesses in our community, and we understand that a voluntary tariff may be necessary in making these renewable energy sources available to your customers.

We hope the California Public Utilities Commission will approve this proposal and offer our community members the option of accessing these renewable energy sources as early as possible.

Sincerely,

Ani Minasian  
President/CEO



## The Greater Monterey Park Chamber of Commerce

700 El Mercado Avenue  
Monterey Park, CA 91754

(626) 570-9419

[info@gmpkchamber.org](mailto:info@gmpkchamber.org)

[www.gmpkchamber.org](http://www.gmpkchamber.org)

April 8, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Greater Monterey Park Chamber of Commerce would like to inform you that we support Southern California Gas Company's filing of an application to provide Renewal Natural Gas to residential and commercial/business customers.

This Chamber has devoted itself to improving the business climate in the City of Monterey Park for over 70 years. It is a voluntary community organization that unites business, industry, & professionals/entrepreneurs.

The Greater Monterey Park Chamber believes that a voluntary program is appropriate so that our community will have the opportunity to support the State of California's environmental goals by using methane gas that is derived from renewal sources such as those coming from dairies and landfills.

The Greater Monterey Park Chamber urges that the California Public Utilities Commission give every consideration to SoCalGas' application. Our local business community believes that natural gas should continue in the State's energy portfolio due to its availability and lower cost.

Thank you.

Sincerely,

Dora Leung  
President/Interim Executive Director,  
Greater Monterey Park Chamber of Commerce



March 14, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Move LA supports SoCalGas' proposal to the California Public Utilities Commission to establish a renewable gas tariff program. This program would allow residential and commercial/industrial customers to purchase a portion of their natural gas from renewable sources.

Since 2007, Move LA's mission has been to build a broad constituency of leaders in the business, labor, and environmental sectors to fight for the development of a clean public transportation system and affordable housing that will benefit the entire county of Los Angeles. We advocate for clean, diverse, and fiscally-responsible solutions that allow people of all ages and incomes to work, live, and thrive in here. These include Measures R and M, which will raise almost \$120 billion for transportation by 2057. The Move LA team is proud of what we've achieved thus far, but we are far from finished. Our Vision 2020 Campaign aims to organize and activate a regional coalition and develop a ballot measure that will reduce greenhouse gas (GHG) and smog-forming pollutant emissions in Southern California.

Here at Move LA, we know that when we fight together, we win. There is no doubt that the fight against climate change cannot be won by a single entity or with a single solution. We need to use every option available to decrease harmful emissions from every source. The renewable gas tariff option for which SoCalGas is filing takes aim at methane from organic waste streams, one of California's most problematic Short Lived Climate Pollutants (SLCP). SLCPs are the most intense of all the emissions causing global warming, so much so that, according to a recently released report by the Center for Climate and Energy Solutions (successor to the Pew Center on Global Climate Change), targeted efforts to reduce these emissions can slow the pace of global warming by 0.6 degrees Celsius by 2050<sup>1</sup>, while the consequences of delaying action to wait for better, less carbon intense technology could be dire. According to the 4<sup>th</sup> National Climate Assessment and a review of multiple academic studies, "reductions and/or avoidances of SLCP emissions could be a significant contribution to staying at or below a 3.6°F

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<sup>1</sup> C2ES Website: <https://www.c2es.org/content/short-lived-climate-pollutants/>

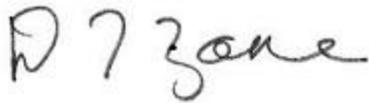
(2°C) increase or any other chosen global mean temperature increase.”<sup>2</sup> In addition, “stringent and continuous SLCP mitigation could potentially increase allowable CO<sub>2</sub> budgets for avoiding warming beyond any desired future level, by up to 25% under certain scenarios.”<sup>3</sup>

By capturing the massive amounts of methane that landfills, farms, dairies, livestock ranches and wastewater treatment plants produce and converting it into renewable fuel - using it rather than losing it - renewable natural gas projects prevent it from damaging our climate. Additionally, this renewable fuel will help us displace diesel and other fossil fuels that create far more problematic emissions while further reducing greenhouse gas emissions.

Giving customers the option to purchase a portion of their natural gas from renewable sources is a bold approach to meeting the state’s climate goals by allowing consumers to step up and choose. And as we are fond of saying here, fortune favors the bold!

Move LA is pleased to offer its support for the renewable natural gas tariff and we urge the CPUC to approve it as soon as possible.

Sincerely,

A handwritten signature in black ink that reads "Denny Zane". The signature is written in a cursive, slightly slanted style.

Denny Zane  
Executive Director  
Move LA  
[www.moveLA.org](http://www.moveLA.org)

---

<sup>2</sup> Fourth National Climate Assessment, U.S. Global Change Research Program, Chapter 14:  
<https://science2017.globalchange.gov/chapter/14/>



February 20, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

At Newlight, we believe that the most sustainable way to reduce the amount of carbon in the air is to use greenhouse gas emissions as a resource for the production of commercially useful materials that out-compete oil-based materials. Founded in 2003, after over a decade of research, Newlight has developed a carbon capture technology able to produce high-performance biomaterials from carbon capture. Our mission is to replace oil-based plastics with greenhouse gas-based materials on a global scale, moving oil out of the world's products, reducing material production costs, and reducing the amount of carbon in the air on a market-driven basis.

Newlight has developed a carbon capture technology that converts methane and carbon dioxide into a naturally-occurring biomaterial called AirCarbon. By weight, in its most basic form, AirCarbon is approximately 40% oxygen from air and 60% carbon and hydrogen from captured carbon.

One element of Newlight's platform is the use of renewable natural gas (RNG). Because of this, we support the renewable gas tariff option and would like to see it available as soon as possible.

Please let me know how Newlight can assist in moving this tariff forward.

Best regards,

Evan Creelman, CFA  
COO | Newlight Technologies, Inc.  
Direct: (714) 556-4505  
[www.newlight.com](http://www.newlight.com)

# NewStart Housing Corporation, Inc.

3355 E Gage Ave., Huntington Park, CA

phone (323) 835-6880 fax (323)835 - 6883

March 1, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Newstart Housing Corporation, Inc. is a non-profit organization which provides affordable housing services. Our organization has been providing affordable housing services for over 30 years in the Southeast area of Los Angeles County. We are in support of providing affordable and renewable energy solutions to residents in communities we service. While the cost of receiving gas from a renewable source may come at a slight increase, we are supportive of giving residents a choice. Some individuals may choose to go this route in hopes it will have a longer lasting environmental impact.

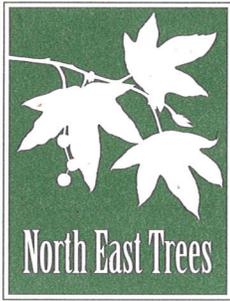
Many of the cities which we service are low income communities and have difficult time stretching their income to make ends meet. However, some may be understanding of the impact purchasing renewable energy may have on the long run and are willing to make that investment on their children's future. Our organization has always supported initiatives that will provide more resource options for low income neighborhoods. While some residents may feel it is not a viable option for them, they may simply choose not to receive gas from a renewal resource.

With our partners, we impact over 500 units in Los Angeles County. Over 90% of those units use gas for heating and cooking. We hope this letter is taken into consideration and look forward to a positive outcome. Thank you for your time.

Sincerely,



Martin Nava  
CEO



February 22, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

North East Trees (NET) is pleased to offer its support for the Green Tariff proposal by The Southern California Gas Company (SoCalGas).

NET is a design-build, environmental justice non-profit organization dedicated to improving ecologically depleted and socioeconomically underserved communities through the design, construction and preservation of green open spaces. At the core of NET is providing ongoing education, training and employment to local at-risk youth using urban forestry as a tool. We use a collaborative approach integrating science, technology, design, community engagement, education, and volunteering to create permanent public benefits.

NET has a nearly 30 year track record of implementing outstanding conservation projects in L.A. County. NET has planted over hundreds of thousands of trees, designed and built over 200 parks and trained and employed thousands of local at-risk youth in our environmental stewardship program. Founded by Scott Wilson, an educator, landscape architect, contractor and arborist, NET is recognized throughout the state of California for its creation of innovative, low impact native plant based sustainable designs, and for forging strategic partnerships with urban communities in LA County.

This Green Tariff will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas. It was also help the State achieve its climate change goals in 2030 and 2050 by reducing methane and carbon dioxide emissions. By capturing renewable gas, SoCalGas would be putting waste streams to beneficial use, reducing greenhouse gas emissions, and addressing climate change.

North East Trees fully supports this proposal and respectfully requests that this option for renewable gas be made available as soon as possible.

Sincerely,

Mark Kenyon  
Executive Director

570 W. Avenue 26, Suite 200, Los Angeles, California 90065 Phone: (323) 441-8634 Fax: (323) 441-8618

*North East Trees is a non-profit organization improving communities in Northeast Los Angeles by planting an urban forest.*



NORTH  
ORANGE COUNTY  
CHAMBER

February 22, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

North Orange County Chamber (NOCC) would like to express our support of the Renewable Gas (RG) Tariff Option.

As the voice of the business community in the region, North Orange County Chamber represents 3,000 business throughout the area. We actively work to build stronger communities and advocate for a healthy business climate.

The RG Tariff Option provides residential as well as commercial/industrial customers the ability to purchase a portion of their natural gas from renewable sources. North Orange County is home to many manufacturers large and small as well as a plethora of small businesses. It is important that each of our business owners and professionals as well as residents throughout the region have access to RG options to help reduce their carbon footprint. Furthermore, the RG Tariff Option will help the state achieve its climate change goals by reducing methane and carbon dioxide emissions.

For these reasons, NOCC supports the Renewable Gas (RG) Tariff Option and ask that you move forward to approve the proposal.

Thank you for your consideration.

Sincerely,

Theresa Harvey  
President and CEO  
North Orange County Chamber

**BOARD OF DIRECTORS**

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*Kevin Pendergraft*  
*Credit Union of Southern California*

*Carlos Salazar*  
*Salazar Associates*

*Katie Wanamaker*  
*The Source Buena Park*

**NRG Answers, LLC**  
**3604 San Gabriel Lane**  
**Santa Barbara, CA 93105**  
**805.403.6450**  
**mike@nrganswers.com**

April 10, 2019

Sharon Tomkins  
Vice-President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

*Re: Support for SCG's Renewable Natural Gas Program/Tariff*

Dear Ms. Tomkins:

Please consider this letter as support for, and an endorsement of, a new voluntary SCG program and accompanying tariff allowing SCG customers to select Renewable Natural Gas (RNG) as a fuel source for their household or commercial energy needs.

NRG Answers, LLC consults on clean/green energy financing and project development, particularly related to On-Bill Financing<sup>1</sup>. We also interact regularly with traditional and alternative financing groups on solar and energy efficiency funding.

We believe the current sustainability and energy environment in California requires flexibility for customers to select energy sources best suited to their requirements. RNG satisfies this basic condition, particularly as a purely voluntary option.

While renewable energy sources, like solar and wind, can satisfy many customers' energy needs, issues like intermittency, inadequate long term storage of PV electricity, or excess renewable energy production off loaded to out of state utilities obviate in favor of maintaining other and steadier fuel sources for many customers.

RNG seems poised to address another environmental problem vexing Californians – reduction of methane produced from human or animal waste streams. De-gasification of landfills and water/waste water treatment plants has been a concern for many years. Now, with renewed interest in methane generated from dairy related operations, SCG's

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<sup>1</sup> NRG has supported PG&E's OBF program for 5+ years networking with contractors, vendors, owners/agents, and financing entities to identify EE project fulfillment resources.

RNG program for methane capture, scrubbing, and reuse seems an innovative solution to an intractable disposal dilemma.

RNG appears to be a bold and ambitious approach that may produce significant benefits directly to SCG's customers, and nearby residents, and both directly and indirectly to the local community, and the surrounding environment.

SCG should be given the opportunity to prove to the CPUC and stakeholders that it has, or can reasonably develop, reliable data and evidence of RNG's viability. Perhaps a pilot program, if approved and subject to verifiable conditions set by the CPUC/CEC, would give So Cal Gas the chance to establish the economic and environmental benefits of its Renewable Natural Gas program, and answer current critics.

Best wishes for your success.

Sincerely,

A handwritten signature in red ink, appearing to read "Mike Hackett", with a large flourish extending to the right.

Mike Hackett  
Managing Member  
NRG Answers, LLC



1 Banting Suite A  
Irvine, CA 92618  
www.ochcc.org  
T: (714) 953-4289

March 14, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solution  
Southern California Gas Company  
555 W. Fifth Street ML GCT 21C2  
Los Angeles, CA 90013

**RE: SUPPORT PROCESS TO SEEK CUSTOMER OPTIONS FOR PURCHASING GAS FROM RENEWABLE SOURCES**

Dear Ms. Tomkins,

Orange County Hispanic Chamber of Commerce (OCHCC) is writing in support of SoCalGas efforts to meet with State Regulators (CPUC) to seek a customer option of purchasing a portion of their gas from renewable sources. The proposed Green Tariff proposal will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas.

OCHCC serves as the voice for Orange County businesses, advocating policies that support a healthy business climate and strong economy. OCHCC believes that the proposed Green Tariff will help strengthen the economy and help the local community.

As the voice for businesses, we acknowledge the movement to create a green and sustainable environment. This option would help utility companies reach their sustainability goals. It would also promote the purchase and use of gas from renewable resources, helping customers meet their desired environmental goals, without removing the choice to continue to purchase and use the same gas customers do now if they so desire.

We appreciate your time and consideration. If you have any questions or need additional information regarding our support of this project, please do not hesitate to contact me by email at [reubenfranco@ochcc.com](mailto:reubenfranco@ochcc.com) or via telephone at (949) 433-3131.

Respectfully,

A handwritten signature in blue ink, reading 'Reuben Franco', is written over a blue ink scribble.

Reuben Franco  
President and CEO  
Orange County Hispanic Chamber of Commerce

February 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**RE: RENEWABLE GAS TARIFF OPTION – SUPPORT**

Dear Ms. Tomkins,

Orange County Business Council (OCBC) is a regional leader in business and serves as an influential advocate for Orange County's economic prosperity. One of OCBC's core initiatives is to modernize Southern California's infrastructure, from highways to utilities. Climate change has presented challenges in enhancing infrastructure that require innovative mitigation strategies, such as the Renewable Gas (RG) Tariff. **OCBC supports the use of the RG, or Green, Tariff as a vehicle for helping the state achieve its ambitious climate goals.**

If approved by the California Public Utilities Commission (CPUC), the program will invite residential and commercial customers receiving gas from SoCalGas to choose how much of their gas will be supplied by renewable resources by selecting from a series of set dollar amounts. The voluntary tariff reduces the amount of fossil gas brought into the SoCalGas system. By committing environmentally conscious customers to green energy for a minimum of one year, the state will be closer to achieving its decarbonization goals by reducing methane emissions.

The RG Tariff program would be a crucial step toward sustainability, and if approved by the CPUC, the program would significantly strengthen the growth and development of the renewable natural gas industry. **For these reasons, OCBC strongly supports the RG Tariff program.**

Sincerely,



Alicia Berhow  
Senior Vice President of Government Affairs

February 20, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Pasadena Chamber of Commerce supports a diverse and environmentally friendly approach to the delivery of energy, including natural gas. We are fully supportive of efforts to bring recycled biogas to use by natural gas users in Southern California, including the proposal by SoCal Gas for a tariff for those customers who want to purchase recycled bio-methane gas.

The Pasadena Chamber of Commerce and Civic Association is a member service organization serving 1450 businesses in the Pasadena area. Since 1888 we have provided advocacy, support and assistance to local businesses to help them grow and prosper in our local economy.

The Pasadena Chamber sees the conversion of bio-methane into usable natural gas as a positive for our environment, as it removes greenhouse gasses from the atmosphere while providing energy for heating, cooking and powering our economy.

We certainly hope the Renewable Gas Tariff proposal by SoCal Gas is approved by regulators so customers can access this valuable added resource.

Sincerely,



Paul Little  
President and Chief Executive Officer



## POMONA CHAMBER of COMMERCE

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Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

On behalf of The Pomona Chamber of Commerce I am writing to support the CPUC filing regarding the proposed green tariff; this Renewable Gas (RG) tariff will be available to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas, who upon request, voluntarily choose to designate all or a portion of their natural gas service to be provided by RG.

This program will help the State of California achieve its decarbonization goals by reducing methane emissions and by displacing traditional fossil fuel. It will also help foster the growth and development of the RG industry.

The tariff will empower customers to use energy wisely and help reduce greenhouse gas emissions. This will help clean the air not only in the community of Pomona, but all around the state as well. Furthermore, it will empower customers to achieve their own sustainability goals.

The Pomona Chamber of Commerce, which has been advocating for businesses for more than 130 years, strives to address the needs of our community and keep their best interests in mind. Our main priority is to ensure that Pomona continues to be a city on the move and provide its business owners and residents with invaluable resources for a better quality of life.

We respectfully ask that you take immediate action in regard to this matter.

Sincerely,

*Monique Manzanares*



February 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The renewable gas tariff will empower customers with the option of purchasing a portion of their gas from renewable sources, and thus, individually support the reduction of emissions.

PTS Advance has serviced the staffing augmentation needs of the Energy & Infrastructure sector for over 2 decades. PTS works with various clients including owner/operators, EPC organizations, construction and maintenance contractors, as well as service providers who create the entire supply chain for designing, building and operating the infrastructure that helps to drive the US economy.

Nearly 80% of methane emissions come from organic waste streams decomposing and escaping into the atmosphere as greenhouse gas. Renewable gas is produced from renewable sources, including these existing municipal waste streams, like landfills and waste water treatment plants, as well as sustainable biomass sources, including animal waste, crop residue, and food waste. By collecting this gas to create renewable fuel, we are putting waste streams to beneficial use, reducing greenhouse gas emissions, and addressing climate change.

The program will be open to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas. This voluntary tariff will allow SoCalGas to buy RG from producers and reduce the amount of fossil gas that is brought into their system and allow them to begin offering the program in early 2020

Sincerely,

**Ronald Stein, P.E.**

Founder and Ambassador for Energy & Infrastructure

**PTS ADVANCE**

TEAMWORK REIMAGINED

949-268-4023

[Ronald.Stein@PTSadvance.com](mailto:Ronald.Stein@PTSadvance.com)

<https://www.linkedin.com/in/ronaldstein/detail/recent-activity/shares/>

[PTSadvance.com](http://PTSadvance.com)



**February 25, 2019**

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**RE: Green Tariff Proposal**

Dear Ms. Tomkins,

The Coalition for Renewable Natural Gas (RNG Coalition) offers this letter in strong support of Southern California Gas Company's proposal for a voluntary renewable natural gas or Green Tariff (Green Tariff). If approved, the Green Tariff should allow the utility's customers to choose to replace all or a portion of their conventional natural gas consumption with renewable natural gas (RNG or biogas-derived Biomethane) that is produced from organic waste.

The RNG Coalition is a non-profit organization that represents and provides public policy advocacy and education on behalf of the renewable natural gas industry in North America. Our more than 175 members represent each sector of the industry and produce more than 95% of the RNG in the United States and Canada. These members include waste collection, recycling and management companies, RNG project developers, banks, investment firms, financiers, engineers, organized labor, law firms, technology and service providers, equipment manufacturers, gas and power marketers, transporters, fueling stations, fleets, transportation companies, consultants, municipalities, universities, investor-owned and public utilities. Together, we advocate for increased development, deployment and utilization of renewable natural gas so present and future generations will have access to domestic, renewable, clean fuel and energy. The RNG Coalition supports the increased development, deployment and utilization of RNG from sustainable feedstocks, indiscriminate of the competing technologies used to upgrade raw biogas to RNG, for all sustainable end-use applications.

The RNG industry is nascent relative to other renewable energy industries but has shown extraordinary growth driven largely by federal, state, provincial and corporate policies designed to promote environmental, economic and sustainability goals

including but not limited to clean air, effective waste management, job development, energy independence and security, and resource diversity.

RNG is produced from the largest renewable waste streams in society today—landfills, diverted food waste, wastewater treatment plants, agricultural and livestock operations. These waste sources emit methane—a highly potent greenhouse gas—into the atmosphere. RNG projects prevent this from happening, by capturing the methane and converting it into an ultra-low-carbon renewable fuel or electricity.

We are strongly supportive of policies like the proposed Green Tariff that encourage the lowest cost outcomes to decarbonize all end uses of conventional natural gas and facilitate consumer choice so that individuals, families and businesses can select the amount of renewable energy they prefer to use.

The RNG Coalition sponsored SB 1440 (Hueso, Statutes of 2018) which requires the California Public Utilities Commission to open a proceeding to consider establishing a Renewable Natural Gas procurement program for natural gas utilities for purposes of decarbonizing California's pipeline infrastructure. We appreciate the Southern California Gas Company's support of SB 1440. To the extent the proposed Green Tariff will not interfere with the intent or implementation of SB 1440, we are pleased to offer our full support for the filing.

Sincerely,

A handwritten signature in blue ink that reads "Sam Wade". The signature is written in a cursive, flowing style.

**Sam Wade**

Director of State Regulatory Affairs  
Coalition for Renewable Natural Gas  
1017 L Street #513  
Sacramento, CA 95814  
916. 588. 3033  
Sam@RNGCoalition.com



**Rosemead Chamber of Commerce and Visitor Information Center**

3953 Muscatel Avenue, Rosemead, California 91770

Tel: (626) 288-0811 Fax: (626) 288-2514

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LA Web 555 W. Fifth Street, ML GCT 21C2  
**Robert Oehler** Los Angeles, CA 90013  
Burritt Advisory Services

**James Wang**  
C H Auto

Re: Renewable Gas Tariff Option

**Past President**  
**Paul Chen**  
Chen & Fan Accountancy

Dear Ms. Tomkins:

**Directors**  
**Uma Chander**  
Little People School

The Rosemead Chamber of Commerce is in full support of the Southern California Gas Company's filing of an application to provide Renewal Natural Gas to residential and business customers.

**Kenny Chung**  
Hong Kong Realty

The Rosemead Chamber of Commerce is the voice of Rosemead's business community. Our Chamber is one of the oldest in the State, originally founded in 1924 as the Rosemead Improvement Association to promote growth and development. The Rosemead Chamber of Commerce is now in its 92<sup>nd</sup> year serving the community. Most of our members are engaged as small businesses. The Rosemead Chamber's mission is to inform members about current government legislation updates and issues that will affect the member's business.

**Daniel Deng**  
Deng Law Center

**Jennifer Fu/Cindy Nguyen**  
Amity Law

**Diana Herrera**  
Coldwell Banker Dynasty

The Rosemead Chamber of Commerce and its members believe that the usage of natural gas is one of the key factors in operating a financially stable and growing business. Renewal Natural Gas would not be limited to certain business or industry but to a wide variety of businesses in our community such as restaurants and small manufacturing plants.

**Gina Maese**  
T.G.I. Friday's

**Elizabeth Martinez/  
Min Wang**  
Republic Services

The Chamber urges the California Public Utilities Commission to consider SoCalGas' application as this will support local small business growth by making Renewal Natural Gas available. Thank you for your consideration.

**Helen Romero Shaw**  
Southern California Gas Co

**Grace Tam**  
Wells Fargo

Sincerely yours,

**Frank Tripepi**  
Willdan

**Amy Wu**  
Fairfield Inn by Marriott  
Ray Jan

Chief Executive Officer  
Rosemead Chamber of Commerce

**Henry Xie**  
Valley Hotel

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Robert Stamp  
University of La Verne

Sajid Sindhia  
Citrus Valley Health Partners

Kelly Wu  
Cathay Bank



February 21, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

Dear Ms. Tomkins,

On behalf of the San Gabriel Valley Economic Partnership, I write in strong support for Southern California Gas Company's Green Tariff renewable gas program. The Partnership is a regional business organization covering the 31 cities and 2 million residents of the San Gabriel Valley in eastern Los Angeles County.

Southern California Gas Company has developed an innovative option for its customers to purchase specified portions of their natural gas from renewable sources. This option will empower consumers to set and reach sustainability goals and reduce their carbon footprint and greenhouse gas emissions. This program would be of immense benefit to the State of California, encouraging organic waste to be captured and turned into renewable natural gas instead of simply released into the atmosphere, thereby reducing our carbon emissions as well as our dependence on imported fossil-based natural gas which must be delivered to the state typically through long-distance pipelines.

I respectfully ask the regulators at the California Public Utilities Commission to expedite the approval of this Green Tariff program, so California consumers and companies can swiftly use this option to reduce their carbon footprint.

Sincerely,

A handwritten signature in black ink that reads "William R. Manis".

William R. Manis  
President & CEO

# SANTA BARBARA COUNTY TAXPAYERS ASSOCIATION

*promoting lower taxes since 1956!*



March 5, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

## **Re: Renewable Gas Tariff Option for Southern California Gas Company Customers**

Dear Ms. Tomkins:

Because Renewable Natural Gas (RNG) reduces fugitive methane emissions from the agricultural and waste sectors and displaces traditional natural gas, we agree with those experts who argue it will be integral to the State of California reaching its climate and carbon neutrality goals.

According to policy experts, roughly 80% of the methane emissions in California come from agriculture, landfills, and wastewater treatment facilities. RNG presents, therefore, a significant opportunity for California's existing natural gas system to play an active role in reducing GHG emissions, while helping the State achieve its climate goals – while also allowing California residents and businesses to use energy and their current end-use appliances as normal.

Moreover, RNG can help reduce GHG emissions from energy use in buildings and provide an alternative to all electric buildings, which would impose a severe cost on California's families. Californians should also not be dependent on any single fuel source.

For this reason, we respectfully request that the California Public Utilities Commission approve the Southern California Gas Company's application for a Renewable Gas Tariff.

Thank you for your time and consideration.

Sincerely,

Joe Armendariz  
Executive Director  
PO Box 21621  
Santa Barbara, CA 93121



*A Nonprofit Housing and Community Development Organization*

February 18, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Self-Help Enterprises (SHE) enthusiastically supports Southern California Gas Company (SoCalGas) proposal for a Renewable Gas Tariff with the California Public Utilities Commission (CPUC) to offer residential and commercial/industrial customers the option of purchasing a portion of their natural gas from renewable sources.

SHE is a nationally recognized housing and community development organization whose mission is to work together with low-income families to build and sustain healthy homes and communities. SHE accomplishes this mission through a variety of services including community engagement and outreach, facilitation of sewer, water and energy infrastructure projects, multi-family housing, single-family housing development and rehabilitation, homeownership counseling and education, homebuyer assistance programs, emergency services, loan portfolio management, park development and asset management. At the core of this effort is the empowerment of residents to take control of the development of their own community infrastructure needs. SHE works collaboratively with communities to attain sustainable infrastructures that support healthy, thriving communities.

Our organization has a strong commitment to creating and supporting sustainable communities. Therefore, we support the proposal of the SoCalGas for a Renewable Gas Tariff that will empower customers with the option of purchasing a portion of their gas from renewable sources. This voluntary tariff will allow SoCalGas to buy renewable gas from producers and reduce the amount of fossil gas that is brought into our system.

This proposal will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuels with clean, renewable gas (RG). This action will also help the state achieve its climate change goals by reducing methane and carbon dioxide emissions. We plan to encourage the CPUC to make the option for RG tariff available to SoCalGas' residential and commercial industrial customer base as soon as possible.

Sincerely,

Thomas J. Collishaw  
President/CEO





February 26, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option for Southern California Gas Company Customers**

Dear Ms. Tomkins:

I am writing on behalf of Sequoia Riverlands Trust (SRT) to support Southern California Gas Company's application for a Renewable Gas Tariff that would offer residential, commercial and industrial customers the option of purchasing a portion of their energy from renewable sources. SRT is a regional, accredited land trust that inspires love and lasting protection for important lands, including habitat and farmland in the Southern San Joaquin Valley.

SRT strongly supports California's efforts to reduce greenhouse gas emissions through changes in land use and transportation, regenerative management of working landscapes and development of renewable energy infrastructure. Initiatives to reduce methane emissions by putting existing waste streams to use can contribute to these efforts, provided that energy production facilities are consistent with the needs of local communities. For this reason, we respectfully request that the California Public Utilities Commission approve the Southern California Gas Company's application for a Renewable Gas Tariff.

Thank you for your time and consideration.

Sincerely,

A handwritten signature in black ink that reads "Adam Livingston". The signature is written in a cursive, flowing style.

Adam Livingston  
Director of Planning and Policy  
Sequoia Riverlands Trust



REGIONAL CHAMBER OF COMMERCE  
**SAN GABRIEL VALLEY**

1722 Desire Avenue, Suite 207, Rowland Heights, California 91748

O: (626) 810-8476 • E: info@regionalchambersgv.com • www.RegionalChamberSGV.com

February 14, 2019

**Anthony Duarte**  
 Chief Executive Officer

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 Past Chair  
 of the Board

Ms. Sharon Tomkins  
 Vice President, Customer Solutions  
 Southern California Gas Company  
 555 W. Fifth Street, ML GCT 21C2  
 Los Angeles, CA 90013

RE: Renewable Gas Tariff Option

Dear Ms. Sharon Tomkins:

On behalf of the Regional Chamber of Commerce San Gabriel Valley (RCCSGV), I am writing to support the application submitted by Southern California Gas Company (SoCalGas) with the California Public Utilities Commission to offer residential and small/medium-size business customers the option of purchasing a portion of their natural gas from renewable sources.

This Renewable Gas (RG) Tariff will be available to all residential customers and to commercial and industrial customers for whom SoCalGas purchases gas, who upon request, voluntarily choose to designate all or a portion of their natural gas service to be provided by RG. The program will help the state achieve its decarbonization goals by reducing methane emissions and by displacing traditional fossil fuels. It will help foster the growth and development of the RG industry. The Renewable Gas Tariff will empower customers to use energy wisely and help reduce Green House Gas Emissions and assist customers to achieve their own sustainability goals.

The Regional Chamber of Commerce San Gabriel Valley serves the Southeast San Gabriel Valley and is home to the communities of Diamond Bar, Walnut, Rowland Heights, Hacienda Heights, Avocado Heights, La Puente, Bassett and Valinda. RCCSGV promotes, strengthens, and supports our business members for the benefit of the local San Gabriel Valley economy.

We respectfully ask for approval of SoCalGas' application. Thank you very much for your consideration. If there are any questions, please do not hesitate to call me at (626) 810-8476 or email at AnthonyD@RegionalChamberSGV.com.

Sincerely,  


**Anthony Duarte**  
 Chief Executive Officer  
 Regional Chamber of Commerce-San Gabriel Valley

March 26, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solution  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21c2  
Los Angeles, California 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins,

I am forwarding this letter as a statement of support from the East San Gabriel Valley Coalition for the Homeless for the Green Tariff because it will provide choice to our customers to select how much renewable natural gas they will want to choose.

I am president pro tempore for the East San Gabriel Valley Coalition for the Homeless in Hacienda Heights. We sheltered close to 1,400 men and women in six churches from Dec. 1, 2018 to March 3, 2019 in six church halls who appreciated greatly **the heated gas buildings** compared to outside living and potential illnesses caused by rain and temperature. We do a great service for them in a variety of ways.

I have joined the Californians Balanced Energy Solutions that fights climate change and protects energy choice, reliability and affordability.

Sincerely  
Richard Hopkins  
East San Gabriel Valley Coalition for the Homeless  
626-333-7204  
Rhopkins03@verizon.net



40 W. Cochran Street, Suite 100 • Simi Valley, CA 93065  
805.526.3900 • www.simichamber.org • info@simichamber.org

**2019 OFFICERS**

KATHI VAN ETTEN  
President/CEO  
*Simi Valley Chamber of Commerce*

February 28, 2019

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Board Chair  
*Platinum Sports Center*

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

BRIAN REED  
Chair-Elect/Vice-Chair, Legislative  
Advocacy  
*Simi Hills Golf Course*

JILL HANEY  
Past Chair/Secretary  
*Montecito Bank & Trust*

Re: Renewable Gas Tariff Option

PAUL GOODNOUGH  
CFO/Treasurer  
*Paul Goodnough, CPA*

Dear Ms. Tomkins:

JOE GRINSTEAD  
Vice-Chair, Economic Development  
*Joseph Grinstead Electric*

The Simi Valley Chamber of Commerce supports the voluntary Green Tariff Proposal by Southern California Gas that will empower customers with the option of purchasing a portion of their gas from renewable sources.

**DIRECTORS:**

GRACE LEO  
*Simi Valley Chevrolet*

With over 670 members, the Simi Valley Chamber of Commerce is the voice of business in Simi Valley. With a mission to promote a strong business community, our primary goal is to ensure the success of businesses of all sizes.

SHAWNA BOWMAN  
*Courtyard by Marriott*

In addition to supporting and strengthening the business community, the Simi Valley Chamber of Commerce also believes in allowing for businesses to adjust to state mandates and renewable energy changes in an effective way. As this program is voluntary, it will not add any unnecessary burden onto businesses unless they chose to participate.

PHIL ENGLANDER  
*State Farm Insurance*

STEVE MURPHY  
*Legal Production Services, Inc.*

JENNIFER SWENSON  
*Adventist Health Simi Valley*

Due to these reasons, we support the voluntary Renewable Gas Tariff proposed by Southern California Gas, and urge regulators to make this option available to consumers as soon as possible.

ANTHONY THOMPSON  
*SoCal Wrap & Tint*

RYAN VALENCIA  
*Assemblymember Christy Smith*

Sincerely,

JIM VISAGE  
*V-Line Industries*

MELANIE VOLLBRECHT  
*AXICOM*

KAILEY WAGNER  
*Edward Jones Financial*

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MARGARET CLARK, VICE - CHAIR

LOS ANGELES COUNTY  
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INTEGRATED WASTE MANAGEMENT TASK FORCE  
900 SOUTH FREMONT AVENUE, ALHAMBRA, CALIFORNIA 91803-1331  
P.O. BOX 1460, ALHAMBRA, CALIFORNIA 91802-1460  
[www.lacountyiswmtf.org](http://www.lacountyiswmtf.org)

March 28, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions & Strategy  
Southern California Gas Company

Mr. Scott Crider  
Vice President, Customer Service  
San Diego Gas & Electric Company

555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins and Mr. Crider:

### **COMMENTS ON THE RENEWABLE GAS TARIFF OPTION**

On behalf of the Los Angeles County Solid Waste Management Committee/Integrated Waste Management Task Force (Task Force), I would like to express the Task Force support for Southern California Gas Company (SoCalGas) and San Diego Gas & Electric (SDG&E)'s February 28, 2019, application before the California Public Utility Commission (CPUC) to approve the proposed Renewable Natural Gas Tariff (RNGT) program. As proposed, the RNGT offers the SoCalGas and SDG&E's residential and small commercial and industrial customers who wish to lessen their carbon impact the option to purchase renewable natural gas (RNG) as part of their natural gas service.

One source of RNG is recycled organic waste. The use of RNG produced from recycled organic waste reduces emissions of greenhouse gases and short-lived climate pollutants that contribute to climate change. Reducing these emissions is required by California state laws such as Assembly Bill 32 (Chapter 488 of the 2006 State Statutes), Senate Bill 32 (Chapter 249 of the 2016 State Statutes), and Senate Bill 1383 (Chapter 395 of the 2016 State Statutes).

Pursuant to Chapter 3.67 of the Los Angeles County Code and the California Integrated Waste Management Act of 1989 (Assembly Bill 939 [AB 939]), the Task Force is responsible for coordinating the development of all major solid waste planning documents prepared for the County of Los Angeles and the 88 cities in Los Angeles County with a combined population in excess of ten million. Consistent with these responsibilities and to ensure a coordinated, cost-effective, and environmentally sound solid waste management system in Los Angeles County, the Task Force also addresses issues impacting the system on a countywide basis. The Task Force membership includes representatives of the League of California Cities-Los Angeles County Division, County of Los Angeles Board of Supervisors, City of Los Angeles, the waste management industry, environmental groups, the public, and a number of other governmental agencies.

Ms. Sharon Tomkins  
Mr. Scott Crider  
March 28, 2019  
Page 2 of 2

We respectfully request the CPUC to adopt the RNGT program. Should you have any questions regarding these comments, please contact Mr. Mike Mohajer, a member of the Task Force, at [MikeMohajer@yahoo.com](mailto:MikeMohajer@yahoo.com) or at (909) 592-1147.

Sincerely,



Margaret Clark, Vice-Chair  
Los Angeles County Solid Waste Management Committee/  
Integrated Waste Management Task Force and  
Mayor Pro Tem, City of Rosemead

KW:cso

P:\epub\Budget\TASK FORCE\Task Force\Letters\2019\March\RNG Tariff Comments.docx

cc: Mr. Michael Picker, President, California Public Utility Commission  
Each Member of the California Public Utility Commission  
Ms. Alice Stebbins, Executive Director, California Public Utility Commission  
CalRecycle (Howard Levenson, Mark de Bie, Cara Morgan, Hank Brady,  
Georgianne Turner, Chris Bria and Marshall Graham)  
California Air Resources Board (Mary Nichols and David Mallory)  
California Department of Food and Agriculture  
California Department of Public Health  
League of California Cities  
League of California Cities, Los Angeles Division  
California State Association of Counties  
Each Member of the Los Angeles County Board of Supervisors  
Sachi A. Hamai, Los Angeles County Chief Executive Officer  
Each City Mayor/Manager in the County of Los Angeles  
South Coast Air Quality Management District  
South Bay Cities Council of Governments  
San Gabriel Valley Council of Governments  
Gateway Cities Counsel of Governments  
Southern California Association of Governments (Frank Wen)  
SoCalGas and SDG&E (Elliott Henry and Joseph Mock)  
Each City Recycling Coordinator in Los Angeles County  
Each Member of the Los Angeles County Solid Waste Management  
Committee/Integrated Waste Management Task Force  
Each Member of the Task Force Alternative Technology Advisory Subcommittee  
Each Member of the Task Force Facility and Plan Review Subcommittee



5 April 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street. MIL GCT 21C2

RE: Renewal Gas Tariff Option

Dear Ms. Tomkins,

The South Bay Association of Chambers of Commerce (SBACC) is in support of the Southern California Gas Company's filing an application to provide Renewable Natural Gas to residential and commercial/business customers.

The South Bay Association of Chambers of Commerce (SBACC) is a regional association of local chambers dedicated to regional issue advocacy in the South Bay of Los Angeles County. The SBACC works effectively together on a common agenda of federal and state policy issues affecting the South Bay business community and is a very well-recognized entity for all South Bay legislative advocacy on behalf of the local businesses and Fortune 500 companies represented through the organization.

We urge that the California Utilities Commission consider SoCalGas' application. We strongly believe that natural gas should remain in the State's energy portfolio. Many of our businesses depend on natural gas and could experience negative financial impact if they were forced to change out equipment for more expensive energy.

SBACC supports the Renewal Gas Tariff proposal and hope it is approved by regulators.

Sincerely,

Eileen Hupp  
SBACC Chair



February 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The El Monte/South El Monte Chamber has learned that Southern California Gas Company will be filing an application to provide Renewal Natural Gas to residential and commercial/business customers. The Chamber supports this concept and will look forward to receiving more details as the program evolves.

Our Chamber of Commerce has close to 500 members representing the cities of El Monte and South El Monte. The Mission of the El Monte/South El Monte Chamber of Commerce is to be ambassadors to the business community and a positive voice in local economic development, while advocating strength in education, membership and government legislation.

The EM/SEM Chamber believes that a voluntary program is appropriate so that businesses will have the opportunity to support the State of California's environmental goals by using methane gas that is derived from renewal sources such as municipal waste streams.

We urge that the California Public Utilities Commission consider SoCalGas' application. We strongly believe that natural gas should remain in the State's energy portfolio. Many of our businesses use natural gas and could experience a negative financial impact if they had to change out equipment and expend funds for more expensive energy. Thank you.

Sincerely,

Ken Rausch  
Chief Executive Officer  
El Monte/South El Monte Chamber



February 21, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street ML GCT 21C2  
Los Angeles, CA 90013

**RE: SUPPORT PROCESS TO SEEK CUSTOMER OPTIONS FOR PURCHASING GAS FROM RENEWABLE SOURCES**

Dear Ms. Tomkins,

South Orange County Economic Coalition (SOCEC) is writing in support of SoCalGas efforts to meet with State Regulators (CPUC) to seek a customer option of purchasing a portion of their gas from renewable sources. The proposed Green Tariff proposal will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas.

SOCEC serves as the primary voice for our region's business community, advocating policies that support a healthy business climate and strong regional economy. Conversely, we will be the first to oppose unnecessary government red tape or regulations that stifle our local economy.

As the regional voice for business, we acknowledge that the demand for natural gas has continued to increase, but supply production has not kept up with demand. This option would help to increase its development while promoting the purchase and use of gas from renewable resources, helping customers meet their desired environmental goals, without removing the choice to continue to purchase and use the same gas customers do now if they so desire.

We appreciate your time and consideration. If you have any questions or need additional information regarding our support of this project, please do not hesitate to contact me by email at [info@economiccoalition.com](mailto:info@economiccoalition.com) or via telephone at (949) 600-5470.

Sincerely,

A handwritten signature in cursive script that reads "Kristen Camuglia".

Kristen Camuglia  
Chair  
South Orange County Economic Coalition

# SWCLC Southwest California Legislative Council

April 11, 2019

**Ms. Sharon Tomkins**

Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street  
Los Angeles, CA 90013

**RE: Renewable Gas Tariff Options**

**Position: SUPPORT**

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The **Southwest California Legislative Council** is an advocacy coalition comprised of representative members of the Temecula Valley, Murrieta/Wildomar, Lake Elsinore Valley, and Menifee Valley Chambers of Commerce representing more than 3,500 employers dedicated to promoting job growth, economic expansion, and preserving the overall global competitiveness of California.

The **SWCLC** is pleased to **SUPPORT** the so-called “Green Tariffs” as a renewable solution providing options for Californians to best determine which energy solutions best meet their needs.

Utilities know their larger corporate customers want clean energy to fulfill their sustainability goals and help their bottom line. Rather than contracting directly with developers, many corporations are finding a new way forward through so-called “Green Tariffs” designed by the utilities themselves.

The **SWCLC** has joined the **Californians for Balanced Energy Solutions** coalition to help advance the reduction in GHG emissions while protecting energy choice, reliability, and affordability. We understand that renewable energy can be derived from many clean sources, including renewable natural gas – not just wind and solar electric energy.

For these and other reasons, the Southwest California Legislative Council are pleased to **SUPPORT Renewable Gas Tariff Options** and look forward to working with you to achieve realistic goals in a sustainable and affordable manner for our residents and the businesses that support them. .

Respectfully,



Greg Morrison, Chair  
[gmorrison@evmwd.net](mailto:gmorrison@evmwd.net)



Gene Wunderlich, Legislative Liaison  
[gad@swcaladvocacy.com](mailto:gad@swcaladvocacy.com)



**Sowing  
Seeds  
For Life**

"Where food is just the start"

**Founded 2007**  
Serving the Los Angeles &  
San Bernardino Counties

March 7, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

### Board of Directors

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*Board Member  
Pastor  
Charisma Life Church*

**Selena Lindsey**  
*Board member*

**Chrystal Libby**  
*Board member*

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Thank you for the opportunity to reach out to you and share our support of the importance of clean energy.

We are proud to stand in support of Southern California Gas Company in their effort to help the state to achieve decarbonization by reducing methane emissions and by displacing traditional fossil fuel.

Sowing Seeds For Life is a 501©3 non- profit organization that has been in service since 2007. We provide food for over 86,000 people annually and in recent years our programs have expanded to assist a greater number of students and seniors through our Mobile Food Pantry Program.

Our food security program serves eastern Los Angeles and western Los Angeles counties with our corporate location in the city of La Verne.

The reason for our dedication to clear air and for the support of this initiative is that we serve a population that is at-risk; seniors, students and children primarily along with families and homeless individuals. It is important that we stand together with our community partners to do all that we can collectively to make our environment better.

Sincerely,

Fran Robertson  
Executive Director  
909-293-7735 x 232  
Frobertson@SowingSeedsForLife.Org

February 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Tejon Ranch Co. (NYSE: TRC) supports Southern California Gas Company's Green Tariff proposal that would provide its customers, including Tejon Ranch Co., its subsidiary businesses, and future residents, the option to purchase a portion of their gas from renewable sources. Such a proposal is consistent with our dedication to sustainability.

Conservation, stewardship and sustainability are important guiding principles at Tejon Ranch Co. We own the 270,000-acre Tejon Ranch, and in 2008, we signed the largest private conservation agreement in California history. The agreement with five of the country's leading environmental organizations will conserve 240,000 acres of our property—90% of our landholdings.

Instead of allowing organic waste streams and biomass sources like crop residue, and animal and food waste to decompose and escape into the atmosphere as methane gas, these renewable sources should be better used to produce fuel. But there must also be a market for such fuel, and Southern California Gas Company's proposal helps make that happen.

We request the California Public Utilities Commission view this proposal favorably and would encourage the commission to Southern California Gas Company customers this option to purchase renewable gas at the earliest date possible.

Sincerely,

TEJON RANCH CO.

Barry Zoeller  
Vice President, Corporate Communications & Investor Relations



9050 Las Tunas Drive Temple City CA 91780  
323.383.4379 info@templecitychamber.com

April 2nd, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

The Temple City Chamber of Commerce supports a diverse and environmentally friendly approach to the delivery of energy, including natural gas. We fully back efforts to bring recycled bio-gas for use by natural gas users in Southern California. Including the proposal by SoCal Gas for a tariff for those customers who wish to purchase recycled bio methane gas.

The Temple City Chamber of Commerce is a membership business organization with over 250 members in Temple City and the San Gabriel Valley. Since 1924 we have provided advocacy and support to area businesses and professionals to grow and prosper in our local economy.

The Temple City Chamber sees the conversion of bio methane in to usable natural gas as a positive for our environment as it removes greenhouse gases from the atmosphere while providing energy for heating, cooking and powering our environment.

We hope the regulators will approve the renewable gas tariff proposal by SOCAL GAS so customers can access this valuable natural resource.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter Choi". The signature is fluid and cursive.

Peter Choi  
President & Chief Executive Officer

April 12, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street. MIL GCT 21C2  
Los Angeles, CA 90013

RE: Renewal Gas Tariff Option

Dear Ms. Tomkins,

The Torrance Area Chamber of Commerce is in support of the Southern California Gas Company's filing an application to provide Renewable Natural Gas to residential and commercial/business customers. The Torrance Area Chamber of Commerce is a chamber made up of 764 businesses. Our board of directors and staff are dedicated to local, regional and statewide advocacy.

The Torrance Area Chamber of Commerce works effectively together on a common agenda of federal and state policy issues affecting the South Bay business community and is a very well-recognized entity for all South Bay legislative advocacy on behalf of the local businesses and Fortune 500 companies represented through the organization.

We urge the California Utilities Commission consider SoCalGas' application. We strongly believe that natural gas should remain in the State's energy portfolio. Many of our businesses depend on natural gas and could experience negative financial impact if they were forced to change out equipment for more expensive energy. The Torrance Area Chamber of Commerce supports the Renewal Gas Tariff proposal and hope it is approved by regulators.

Sincerely,

Donna Duperron  
President & CEO





# TULARE COUNTY ECONOMIC DEVELOPMENT CORPORATION

February 27, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Subject: Renewable Gas Tariff Option**

Dear Ms. Tomkins:

The Tulare County Economic Development Corporation is pleased to support the application for a Renewable Gas Tariff with the California Public Utilities Commission (CPUC). As we understand the proposal, SoCalGas will be able to offer residential and commercial/industrial customers the option of purchasing a portion of their natural gas from renewable sources.

Tulare County is in a vital position to produce renewable natural gas from one of our largest industries, dairy. As you know, Calgren Dairy Fuels digester in Pixley is delivering renewable natural gas to SoCalGas and this is just the beginning of the opportunities in this arena.

By offering the green tariff, this would enhance the marketplace for renewable natural gas as well as meet statewide goals for methane reduction. Therefore, we strongly encourage the California Public Utilities Commission to give favorable consideration to the Green Tariff Proposal.

If we can be of any further assistance in supporting this proposal, please feel free to advise us and we will make every effort to advocate for its adoption.

Very truly yours,

Paul M. Saldana  
President & CEO

**Chair**

Colby Wells  
The Gas Company

**Treasurer**

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Donnette Silva Carter  
Tulare Chamber of  
Commerce

Dr. Kuldip Thusu  
City of Dinuba

Bill Zigler  
City of Lindsay

Harroll Wiley  
Workforce Investment Bd.



OFFICE OF THE PRESIDENT

Energy and Sustainability  
1111 Broadway, Suite 1450  
Oakland, California 94607-5200  
(510) 987-0205

February 15, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Dear Ms. Tomkins:

The University of California (UC) supports SoCalGas's proposal to the California Public Utilities Commission (CPUC) to establish a green tariff for renewable natural gas. This would allow informed customers to choose renewable natural gas as a portion of their energy supplies.

In November of 2013, UC President Janet Napolitano announced the Carbon Neutrality Initiative, which commits the UC to emitting net zero greenhouse gases from its buildings and vehicle fleet by 2025. Renewable natural gas is a key strategy in reaching this goal. We plan to have at least 40% of our existing natural gas supplies be supplanted with biomethane by 2025.

UC's commitment to carbon neutrality is meant to demonstrate scalable solutions to reduce emissions and support California's climate goals. Lacking other options, UC has been working to develop our own renewable gas supply projects. This process has been challenging, despite UC's scale and resources. New programs like that proposed by SoCalGas are necessary to create a robust and cost-effective commercial market for renewable natural gas in California.

We urge you and the CPUC to prioritize expedited approval of this program given the urgency and benefits of reducing short-lived climate pollutants.

Sincerely,

A handwritten signature in black ink that reads "David Phillips".

David Phillips  
Associate Vice President, Energy and Sustainability  
University of California, Office of the President



**Valley Vista Services**  
*Waste Disposal and Recycling Division*

17445 East Railroad Street • City of Industry, California 91748 • (626) 961-6291 • Fax (626) 961-1105

Recovering the Earth's Resources

February 19, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Our organization is in full support of the Renewable Gas (RG) tariff as it gives all users a more environmental option to source their natural gas needs.

We are a family owned waste and recycling collection and processing business that has relied on natural gas to fuel our fleet since 2002' and currently operates one of the largest privately owned CNG refuse fleets in Southern California.

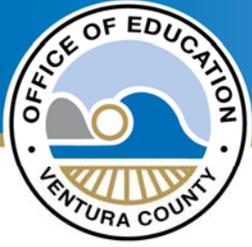
In our field of operation it is crucial to us as well as our customer base that we continue to strive to shrink our carbon foot print and renewable natural gas is a large part of that effort. We currently operate two large volume CNG fueling facilities, one in the San Gabriel Valley and the other in the Pomona Valley. Areas that have long felt the impacts of industrial uses on their air quality. Coupling our fuel stations with renewable natural gas for use as a motor fuel allows us to continue to do our part in improving the quality of life in our region.

Please do all you can to encourage our regulators make this option available as soon as possible.

Sincerely,

David Perez  
Principal

Valley Vista Services, Inc.  
17554 E Railroad Street  
City of Industry, CA 91748



## VENTURA COUNTY OFFICE OF EDUCATION

Stanley C. Mantooth, County Superintendent of Schools

April 05, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solution Southern California Gas  
Company 555 W. Fifth Street, ML GCT 21C2 Los Angeles,  
CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins,

The Ventura County Office of Education, VC Innovates Grant Program support Southern California Gas Company's intent to rollout a voluntary "Green Tariff" program to the benefit of its Ventura County (VC) customers and California as a whole.

VC Innovates is a consortium of Ventura County school districts. THE VC innovates consortium received \$36 million over the last four years. Together with VC business and community organizations we work to ensure VC students are college and career ready. The VC Innovates consortium — includes the Ventura County Community College District, Ventura County Office of Education and nine local K-12 school districts. We serve more than 35,000 students.

With this renewable gas tariff option, we as an education organization, would be actively taking steps to meet California's goals of reducing greenhouse gas emissions, address climate change, and reduce overall costs of utilities over time to consumers. We support the "Green Tariff" program balanced approach to conserving the environment while also supporting manufacturing for businesses.

We urge the California Public Utilities Commission to consider making this option available as soon as possible for the benefit of our schools, community, region, and the State of California.

Warmest regards,

*Darrell Gooden*

**Darrell Gooden, Ph.D.**

Industry Liaison | [vcinnovates.org](http://vcinnovates.org)

Engineering, Energy, Environment and Energy

P: 805.437.1451 | [dgooden@vcoe.org](mailto:dgooden@vcoe.org)



February 28, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Re: Renewable Gas Tariff Option**

**Board of Directors**

Don Wood  
*President*

Jane Montague

Sunjay Moorthy

Karen Bednorz

Steve Doll

John Hankins

Dennis Kulzer

Susan LeFevre

Ed Wehan

Scott Weiss

Paul Meehan

**Staff**

Derek Poultney  
*Executive Director*

Annette Baldwin

Kate Furlong

Dan Hulst

Adrienne Stephens

Dear Ms. Tomkins:

Please accept this letter as Ventura Land Trust's support for Southern California Gas Company's renewable gas tariff option. The Ventura Land Trust (VLT) is a nonprofit 501(c)3 organization dedicated to permanently protecting the land, water, wildlife, and scenic beauty of the Ventura region for current and future generations. We balance environmental protection and community access to best serve local wildlife and human residents. Although our administrative office is located in Ventura, VLT serves many communities throughout Ventura County.

Southern California Gas Company is an important supporter of our work and an important partner on various VLT events throughout the year, so we take pride in supporting the companies that support VLT. We support the renewable gas tariff option for its long term environmental benefits and believe the voluntary aspect of the program encourages responsible stewardship of the natural resources we use without being overly regulatory. For these reasons, we believe it's important to offer this program sooner than later

Sincerely,

Derek Poultney  
Executive Director, Ventura Land Trust  
(805) 643-8044 derek@venturalandtrust.org



February 22, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

Re: Renewable Gas Tariff Option

Dear Ms. Tomkins:

Natural gas has always been a vital resource for commercial and residential consumers alike. As a Federally Qualified Health Center, our agency relies heavily on natural gas to provide heat to our various clinics for the thousands of patients that seek care with us during the winter months. These same patients utilize this resource to power the stove that helps feed their family and run the dryer that ensures their children have clean clothes for school. Those who own small businesses in the community would not be able to run their day to day operations without the assistance of natural gas. In short, our community depends on this utility to thrive.

While natural gas is invaluable to our local commerce and daily lifestyles, we also understand the impact that it can have on the environment. This is why Via Care wholeheartedly supports The Green Tariff Initiative proposed by the Southern California Gas Company. Converting waste sources, such as landfills and crop residue, into renewable gas is an extremely innovative idea that will not only help reduce program costs, but will also help curb the detrimental effects of methane emissions on our climate, thereby securing a recyclable energy source for future generations.

Via Care Community Health Center is a Federally Qualified Health Center located in the heart of East Los Angeles with a focus on primary healthcare for a largely Hispanic demographic, that also suffer from a disproportionate rate of diseases such as, diabetes, hypertension, obesity, and asthma, to name a few. Over the past few years we have expanded our services from a mainly medical paradigm to encompass dental, behavioral health and insurance enrollment services. Our mission is to bring quality healthcare to anyone and everyone who walks through our doors, regardless of their ability to pay.

As a healthcare provider in a largely Latino community, we hear firsthand about the important role that utilities, such as natural gas, play in the daily lives of our patients, friends and neighbors. Extending a renewable gas option to this population will not only help to reduce costs in an already impoverished neighborhood, but it will also set a positive example of how all natural utilities should strive for the betterment of both their community and their environment.

As vital a resource as natural gas is, it is imperative that a renewable option be extended to a population that relies heavily on the benefits provided by this utility; not only to curb negative environmental effects, but also to send the message that natural gas can fit into the modern recyclable energy paradigm that permeates our society. As such, we would like to appeal to regulators to make this option available as soon as possible to all SoCalGas customers.

Sincerely,

A handwritten signature in black ink, appearing to read 'Deborah Villar', written over a horizontal line.

Deborah Villar, CEO  
Via Care Community Health Center



March 11, 2019

Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**SUBJECT: Southern California Gas Company Green Tariff Proposal- SUPPORT**

Dear Ms. Tomkins,

We are writing on behalf of the Valley Industry and Commerce Association (VICA), representing more than 400 businesses in the San Fernando Valley and throughout Los Angeles County. We are writing to express our strong support for SoCalGas' proposal to establish a renewable gas tariff program.

Over the last few years, our state has taken significant steps to ensure California remains at the forefront of the battle against climate change. In 2017, Governor approved SB 100 (de Leon), which requires California to move towards obtaining its energy from renewable sources.

SoCalGas' Green Tariff Proposal will give customers the option of purchasing a portion of their gas from renewable sources. Residential customers who participate in the program will be able to choose how much of their gas will be supplied by renewable sources by selecting from set dollar amounts. Commercial and industrial customers for whom SoCalGas purchases gas will be able to select either from set dollar amounts or a percentage of their total gas load.

The SoCalGas renewable gas tariff option provides residential and business customers with a viable option to reduce greenhouse gas emissions and push back against climate change. The program is entirely voluntary, and consumers can choose to participate at a level that best suits their needs.

The Green Tariff proposal will help customers reach their sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable gas. For these reasons, VICA requests you to approve SoCalGas' Green Tariff Proposal.

Sincerely,

Handwritten signature of Lisa Gritzner in black ink.

Lisa Gritzner  
VICA Chair

Handwritten signature of Stuart Waldman in black ink.

Stuart Waldman  
VICA President



# William C. Velásquez Institute

April 8, 2019

Ms. Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Subject: SUPPORT** – Renewable Gas Tariff Option

Dear Ms. Tomkins,

On behalf of the William C. Velasquez Institute (WCVI) we would like to express our support for the renewable gas tariff option. We are pleased that the Southern California Gas Company is working towards offering residential and small/medium-size business customers the option of purchasing a portion of their natural gas from renewable sources.

WCVI which conducts research aimed at improving the level of political and economic participation in Latino and other underrepresented communities is involved in educational programs that ensure that Latino communities have sustainable supplies of water and energy.

WCVI supports this plan because this voluntary tariff will allow SoCalGas to buy Renewable Gas from producers and reduce the amount of fossil gas that is brought into our system. This is of the utmost importance to our community that has suffered the effects of poor air quality and pollution. Further, the plan has relatively low risk for our community with Residential customers, will only be required to participate for at least one year, and two years for commercial and industrial customers.

The renewable gas tariff option will help give our community ownership and ensure renewable sources of energy. We offer our complete support of the Renewable Gas Tariff and respectfully request that the Commission approve the plan at its next meeting.

Sincerely,

A handwritten signature in cursive script that reads "Lydia Camarillo".

Lydia Camarillo  
President



## Western Riverside Council of Governments

County of Riverside • City of Banning • City of Beaumont • City of Calimesa • City of Canyon Lake • City of Corona • City of Eastvale • City of Hemet  
City of Jurupa Valley • City of Lake Elsinore • City of Menifee • City of Moreno Valley • City of Murrieta • City of Norco • City of Perris • City of Riverside  
• City of San Jacinto • City of Temecula • City of Wildomar • Eastern Municipal Water District • Western Municipal Water District • Morongo Band of  
Mission Indians • Riverside County Superintendent of Schools

February 27, 2019

Sharon Tomkins  
Vice President, Customer Solutions  
Southern California Gas Company  
555 W. Fifth Street, ML GCT 21C2  
Los Angeles, CA 90013

**Subject: Letter of Support – SoCalGas Green Tariff Proposal**

Dear Ms. Tomkins:

On behalf of the Western Riverside Council of Governments (WRCOG), I would like to express support for the Green Tariff Proposal from Southern California Gas Company (SoCalGas), which will provide consumers with the option to source their gas needs from renewable natural gas (RNG). Reducing carbon dioxide and other greenhouse gas levels is important to combating climate change. Unlike traditional natural gas, RNG is considered a carbon-neutral fuel and is derived from readily available organic waste material, meaning a substantial quantity could be produced.

WRCOG recognizes that RNG is more expensive than traditional natural gas because of the limited scale and developing nature of the industry. As the market for RNG grows, we anticipate that the cost will decrease, due to more producers entering the market, increased competition, and technological advancements. An important step to growing the market for RNG is to provide consumers the option to source their natural gas from RNG.

WRCOG understands that, if the Green Tariff Proposal is approved, SoCalGas will provide customers the opportunity to “opt-in” and, if no action is taken, no changes will be made to customer accounts. Under the Green Tariff option, consumers will have a choice of the source and price of their gas. All consumers who choose to source even a portion of their gas from RNG will assist the region and state with meeting its sustainability goals and reducing its carbon footprint.

Regulators and politicians should make the RNG option available as soon as possible to support efforts to combat climate change and consumer choice. Should you have any questions, please contact me at (951) 405-6701 or [rbishop@wrcog.us](mailto:rbishop@wrcog.us).

Sincerely,

Rick Bishop  
Executive Director  
Western Riverside Council of Governments

# ATTACHMENT B



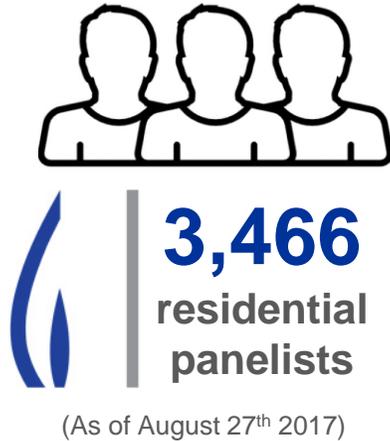
Environmental Awareness  
Renewable Gas  
Natural Gas Vehicles

## RESIDENTIAL CUSTOMER INSIGHT PANEL

August 2017 Topline Results

Prepared by Customer Insights & Analytics  
09/5/2017

# Residential Panel Background



- ✓ This is the 9<sup>th</sup> year of our panel. Customers were invited to join this year's panel in January 2017.
- ✓ In the 2017 panel recruitment, we reached out to 138,984 new customers through email and invited 1,091 previous panelists to rejoin the community.
- ✓ The member recruitment join rate was 2.5%.



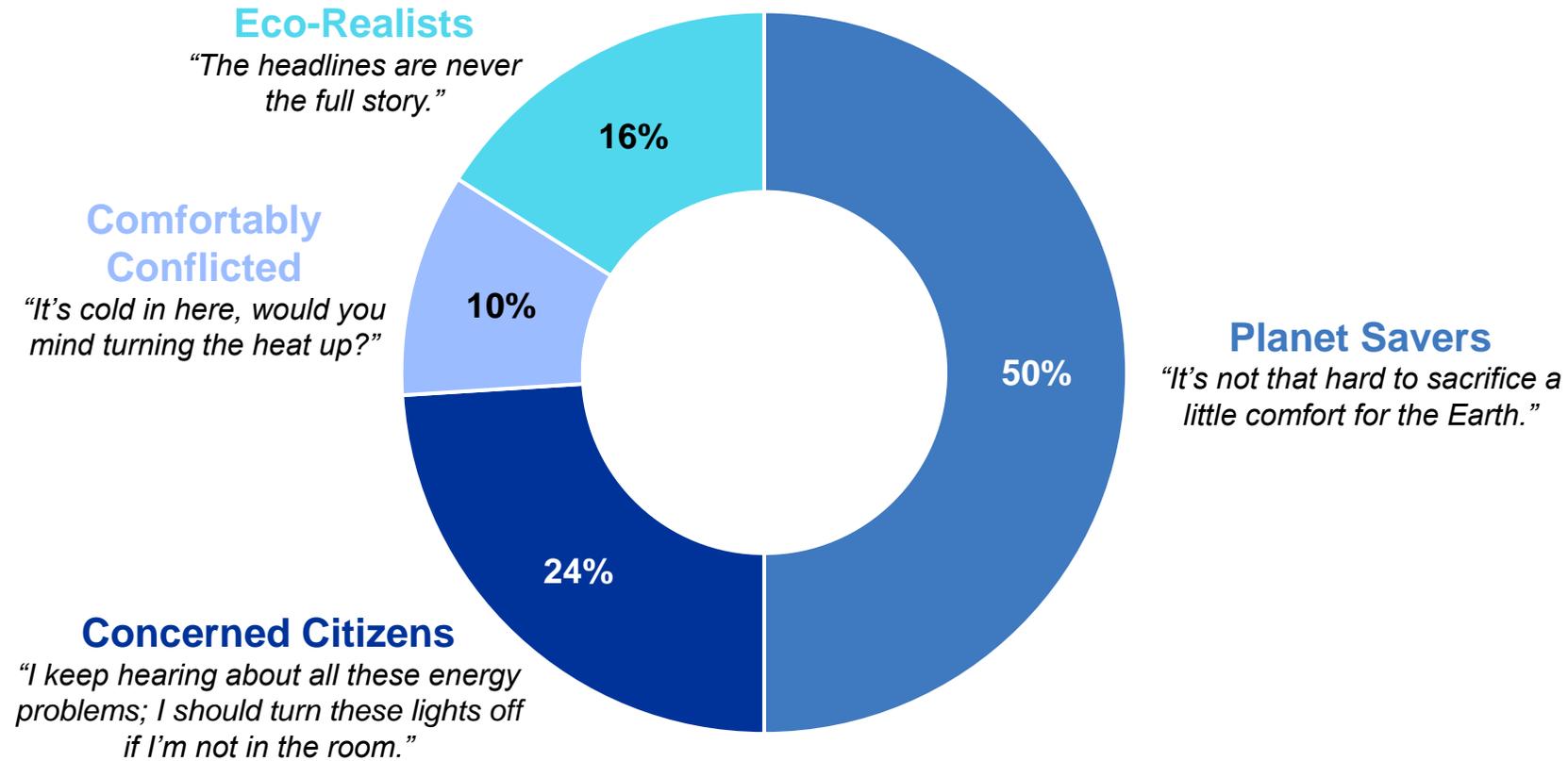
These residential panelists agree to participate in approximately **1-2 surveys per month** for a period of one year.

# ENERGY SEGMENTATION



Survey Field Dates: February 8<sup>th</sup> – 23<sup>rd</sup> 2017  
Participation Rate: 65.8%  
Completion Rate: 68.5%  
n=2,348

# Energy Segmentation



# Energy Segment Breakdown



**Planet Savers** are very concerned about our energy use and its implications for the future of the planet. They are ready to make sacrifices.



**Concerned Citizens** are concerned about energy use and the implications of our actions. But they are not extremely concerned about the future and not necessarily ready to act.



The **Comfortably Conflicted** have concerns about energy use but don't see any point in giving up all of life's modern conveniences.



**Eco-Realists** don't like the hype that goes along with subjects of Energy and the Environment. Whether skeptics or realists, they are not jumping to conclusions based on the latest headline.

# Environmental Awareness



Survey Field Dates: August 9<sup>th</sup> – 23<sup>rd</sup> 2017

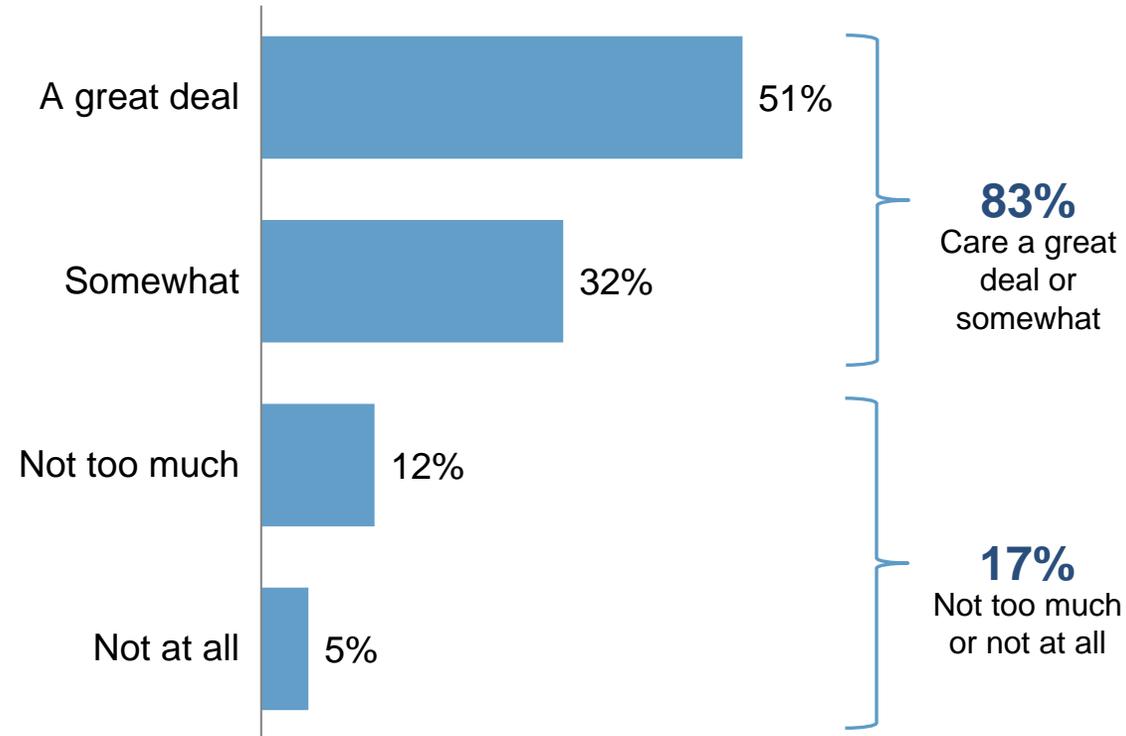
Participation Rate: 47.24%

Completion Rate: 43.28%

n=1,507

# Global Climate Change

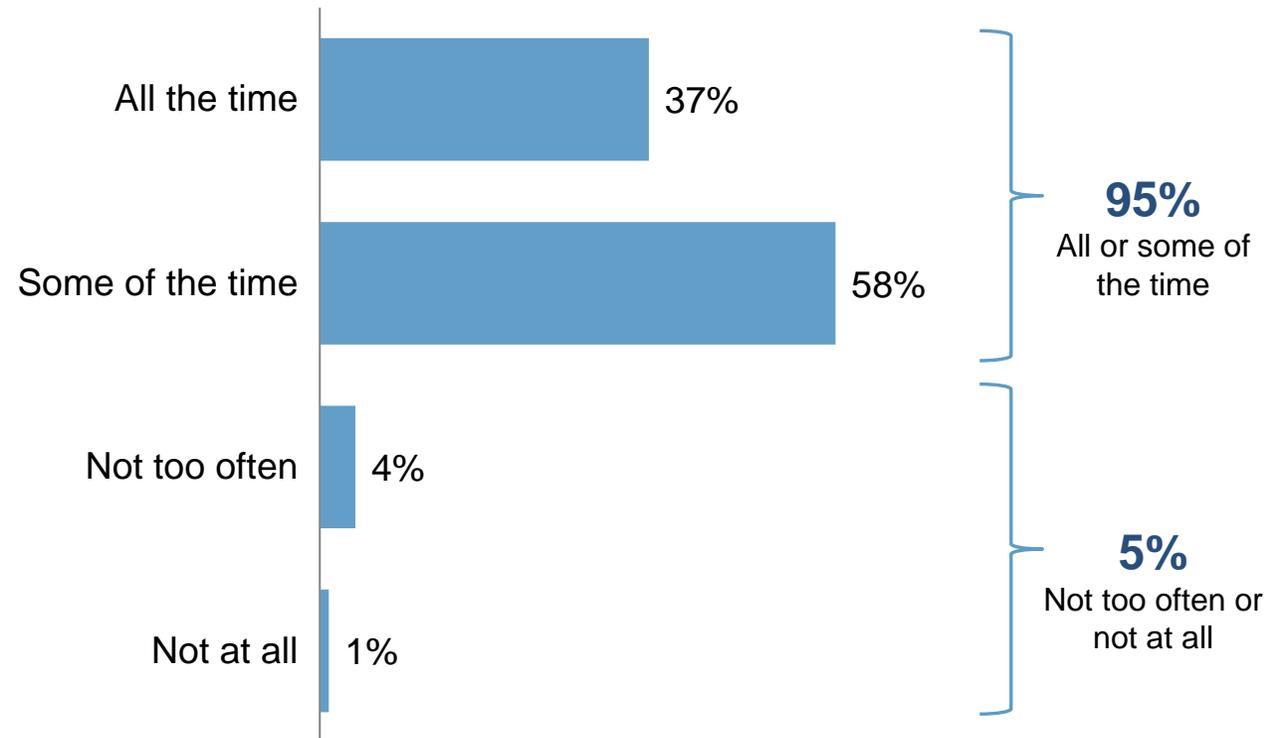
Over **four-fifths** of residential panelists care about climate change with about half indicating that they care a great deal.



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_1. To what degree do you care about the issue of global climate change?

# Protecting the Environment

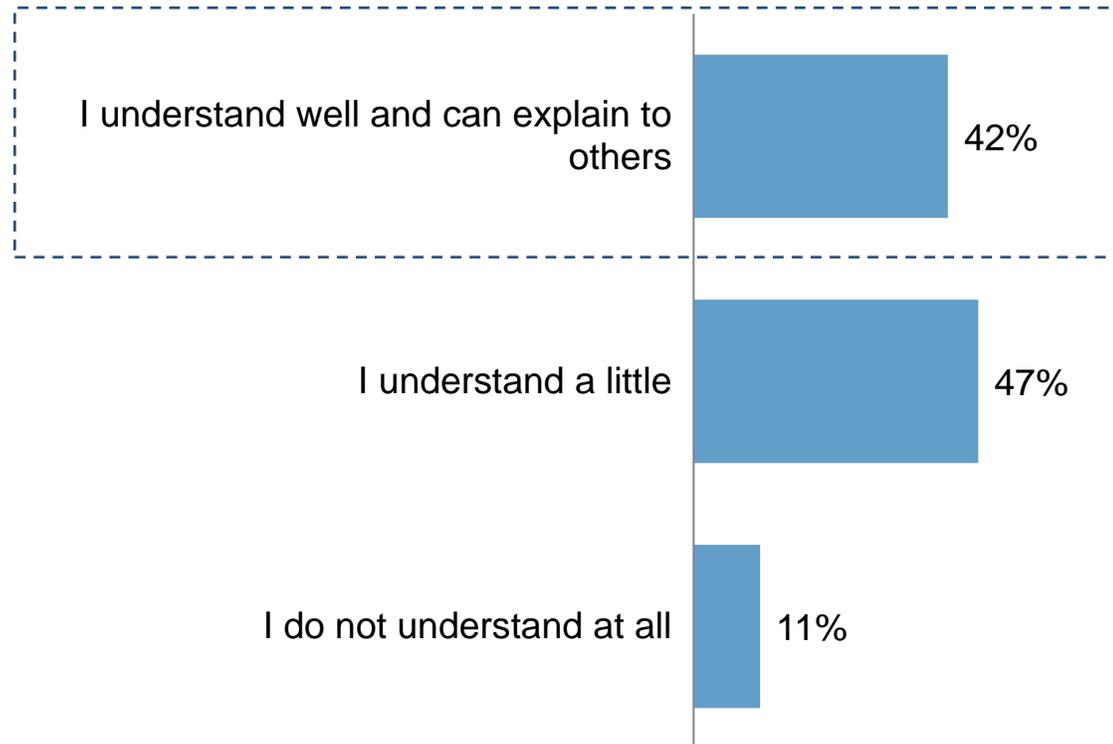
**9-in-10** residential panelists live in ways that help protect the environment.



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_2. How regularly do you try to live in ways that help protect the environment?

# Renewable vs. Non-Renewable Energy

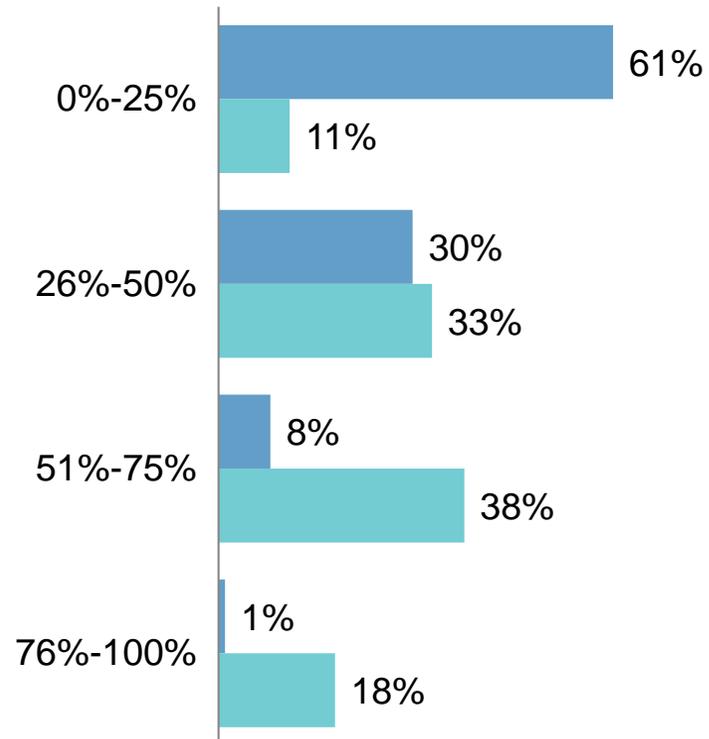
Nearly half of residential panelists **have a slight understanding** of the difference between renewable and non-renewable energy. Two-in-five panelists feel that they understand well enough to explain to others.



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_4. Do you know the difference between renewable and non-renewable energy?

# Percentage of Natural Gas From Renewable Sources

Over **half** of residential panelists believe that **less than 25 percent** of the natural gas supply in California comes from **renewable sources** and nearly 2 in 5 believe 51%-75% of the natural gas supply should come from renewable sources.



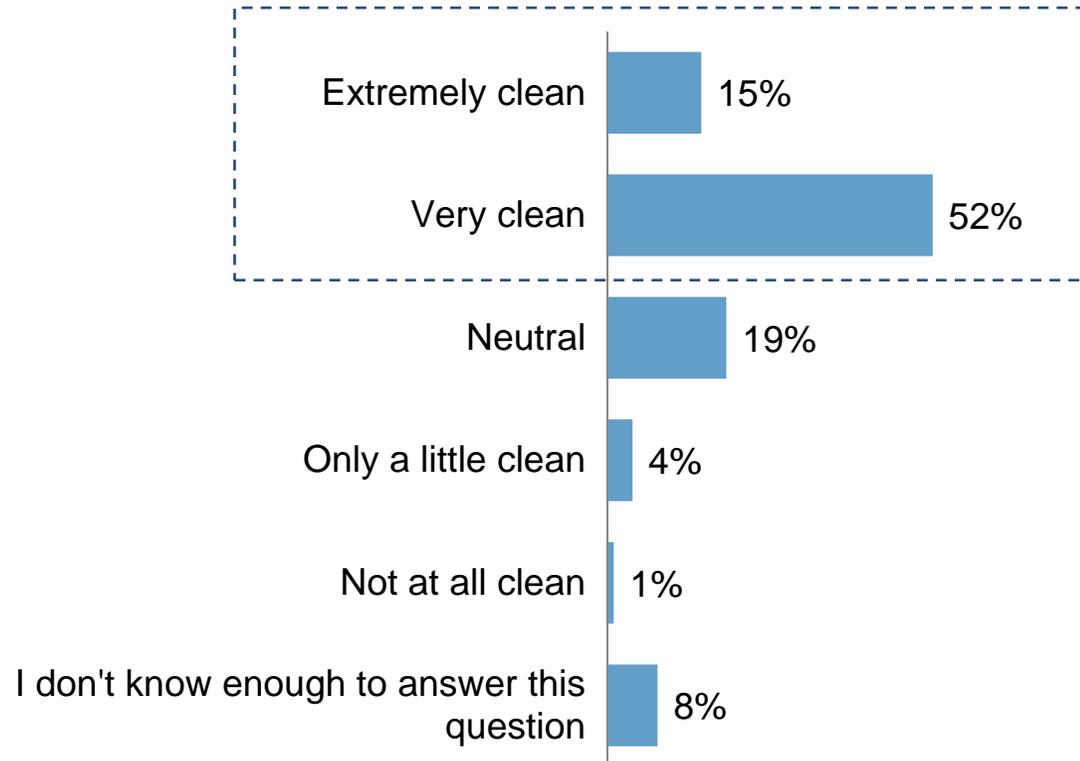
RNG currently makes up less than 5% of the natural gas supply

- % of natural gas **BELIEVED** to come from renewable sources
- % of Natural Gas that **SHOULD** come from Renewable sources

Base: All Respondents (n=1,507)  
RES CIP – AUG17\_14. What percent of California's natural gas supply do you believe currently comes from renewable sources like landfills, wastewater treatment, dairies and farms? Take your best guess.  
RES CIP – AUG17\_15. What percentage of all natural gas used in California do you think is the right amount to generate from renewable sources like landfills, wastewater treatment, dairies and farms?

# Natural Gas as a Clean Energy Source

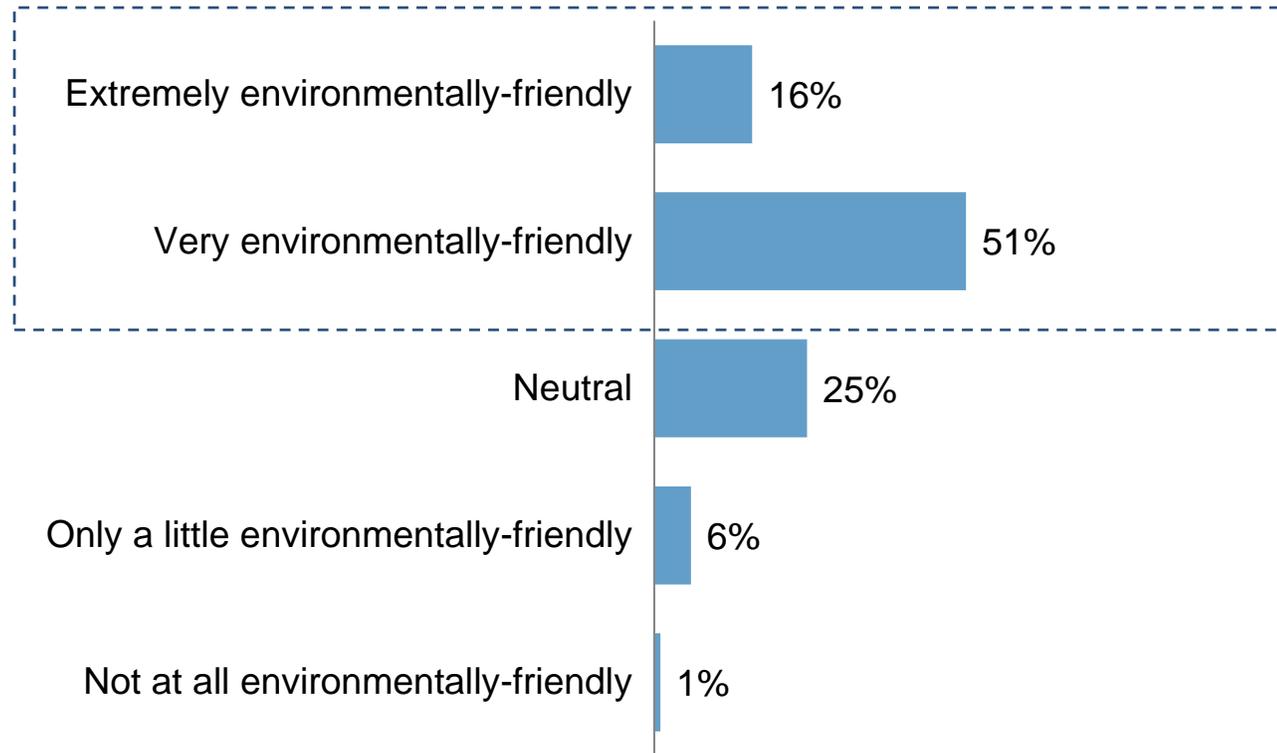
**Most** residential panelists believe that natural gas is a **clean source of energy**.



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_3. How clean do you believe natural gas is as an energy source?

# Environmental-friendliness of Renewable Gas

Nearly 7-in-10 view renewable gas as an **environmentally friendly source** of renewable energy



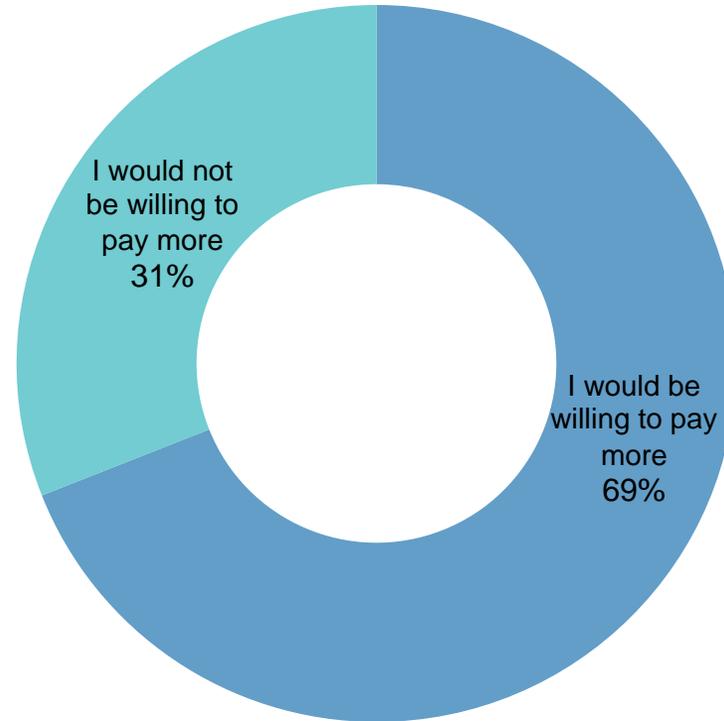
Base: All Respondents (n=1,507)  
RES CIP – AUG17\_6. How environmentally-friendly do you believe renewable gas is as an energy source?

# Renewable Energy Programs



# Paying More for Renewable Energy

**Most** residential panelists are willing to **pay more in the short term** to have cleaner, and cheaper energy for the future.



## ENERGY SEGMENTATION CALL OUT

Eco-Realists & Planet Savers are the most willing to pay more. Concerned citizens are on the fence (54% willing, 46% not willing)

Base: All Respondents (n=1,507)

RES CIP – AUG17\_5. If accelerating the growth of clean energy meant that, in the short term, consumers would have to pay a little bit more for energy but in the long term would have more stable, cleaner, and cheaper energy, which would you choose?

# Unwillingness to Pay More for Renewable Energy

## Key Themes

- On a limited budget
- Skeptical of results
- Unsure of the meaning/duration of “short term”

“Budget restrictions fixed income.”

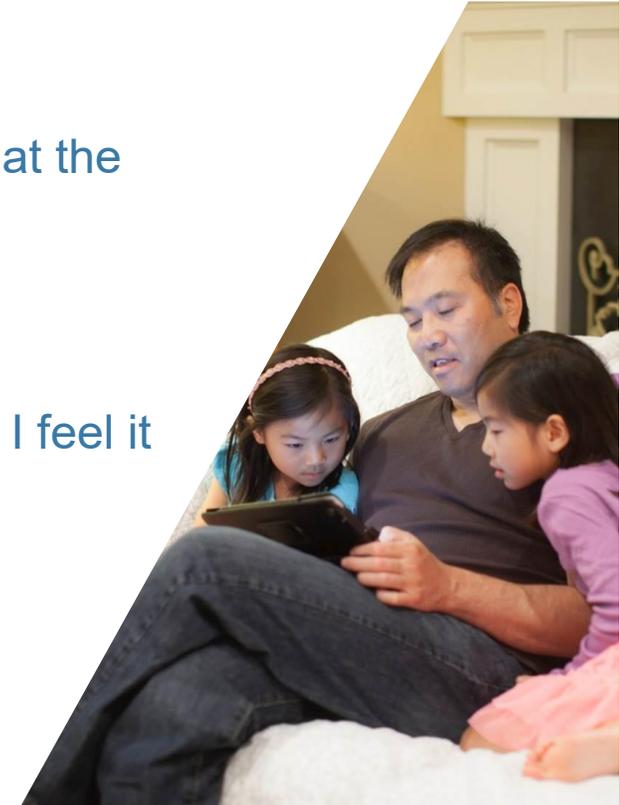
“It is not clear how long the "short term" might be nor what the ultimate saving might be.”

“Unproven result.”

“I feel that my expenses for utilities are already too high. I feel it is a gimmick.”

“The cost benefit is not there with energy already so expensive.”

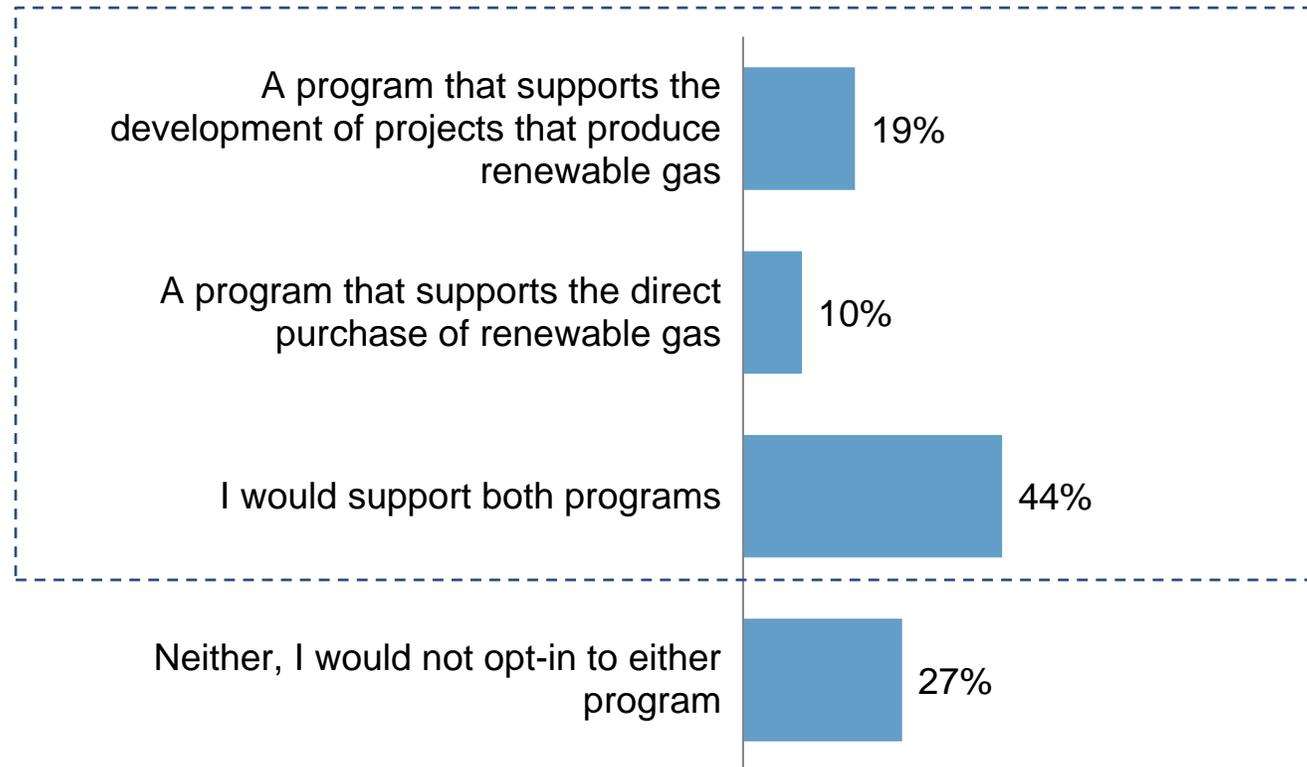
“I remember living in the 1970's. Things have gotten better since then without going to extremes.”



Base: Chose Not Willing to Pay More (n=472)  
RES CIP – AUG17\_5\_2. Why would you be unwilling to pay a little bit more for energy in the short term, even if it meant stable, cleaner and cheaper energy in the long term?

# Support for Renewable Natural Gas Programs

7-in-10 would support some form of a renewable gas program.



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_7. Which program would you most likely opt-in to support?

# Benefits of Participating in a Renewable Gas Program

## Key Themes

- Environmental impact for the future
- Cleaner energy source
- Potential cost savings in the long run

“I would participate in the program to insure a better world for our children and to protect our children and animals in our world.”

“Making sure your gas is used efficiently Helping to create a cleaner energy source.”

“It could help kickstart the shift from pipeline gas to renewable. The more people demand it, the more willing companies like yourself should start providing it.”

“Yes, helps the earth and future generations.”

“Helping to increase the amount of renewable gas so that in the future it can be made in significant amounts and reduce the cost.”

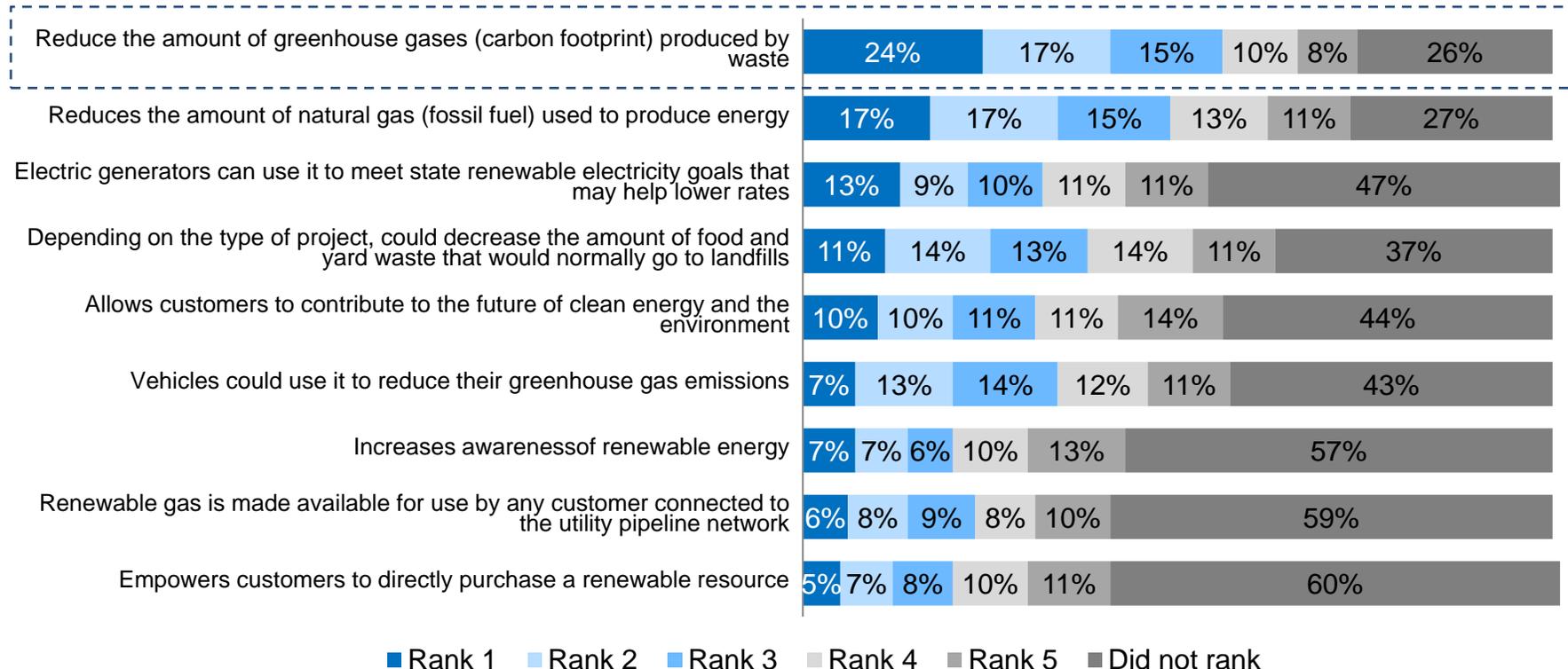
“We need to all be responsible for our planet. Having a renewable fuel source even if we pay a little more will ensure future generations have a clean safe place to live.”



Base: Do See Benefits (n=920)  
RES CIP – AUG17\_7. Do you see any benefits of participating in a renewable gas program like this? If so, please list the benefits below.

# Top Benefits of a Renewable Gas Program

Overall, the **top two** benefits seen relate to the **positive impact renewable energy has on the environment**.



Base: All Respondents (n=1,507)  
 RES CIP – AUG17\_13. Below is a list of benefits of participating in a Renewable Gas Program. Please rank the 5 benefits that are most important to you.

# Unwillingness to Opt-in to a Renewable Gas Program

## Key Themes

- On a limited budget
- Lack of information about the program
- Unproven results

“I am on a fixed income, and with all other expenses rising more than my income, I can't afford to opt-in. I believe that renewable energy sources are the way of the future, however.”

“I don't understand the program.”

“Don't know enough about how it works, it's processes, or how it benefits the environment.”

“We are a one income family and really don't want any additional expenses.”

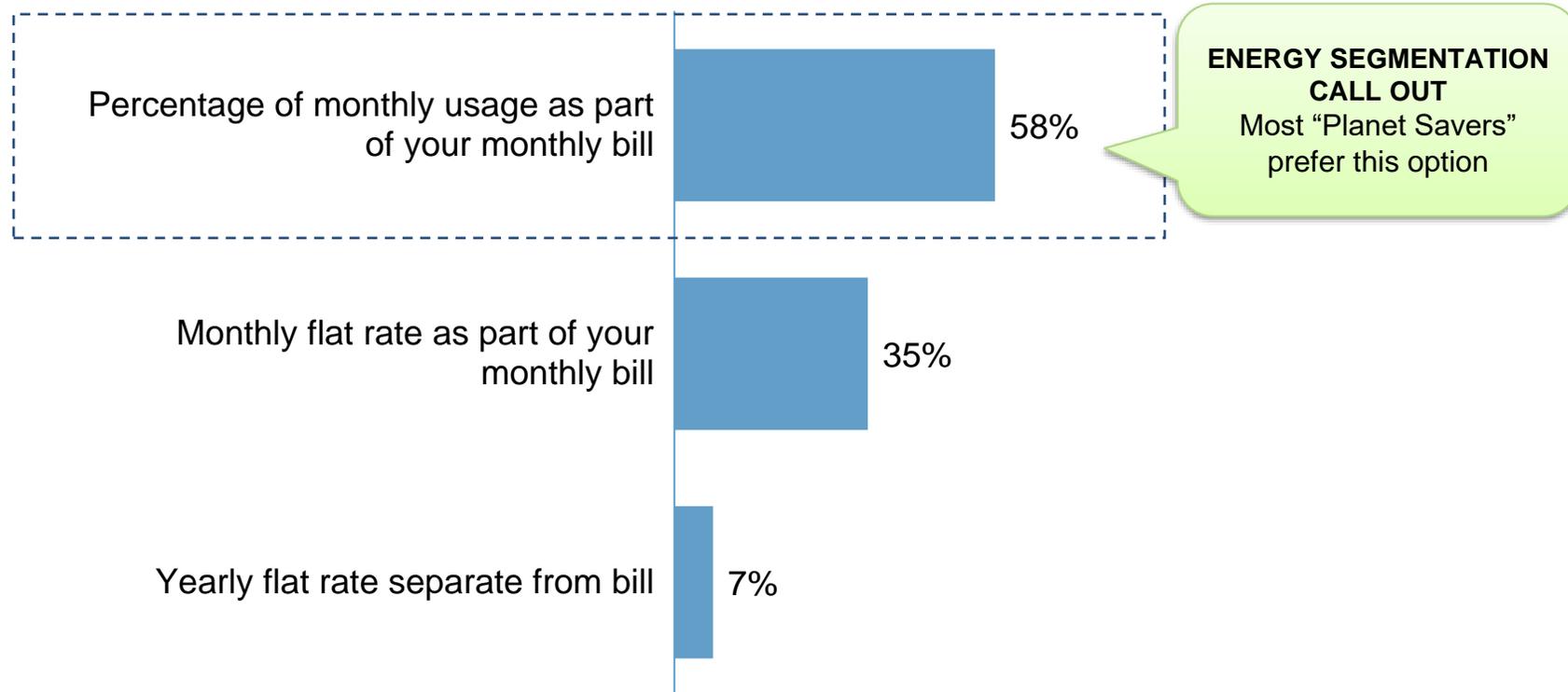
“I see very little if any benefit. Our energy costs here in California are way too expensive to begin with.”

“I don't know enough about the costs and effects to make a decision.”



# Renewable Gas Program Payment Preference

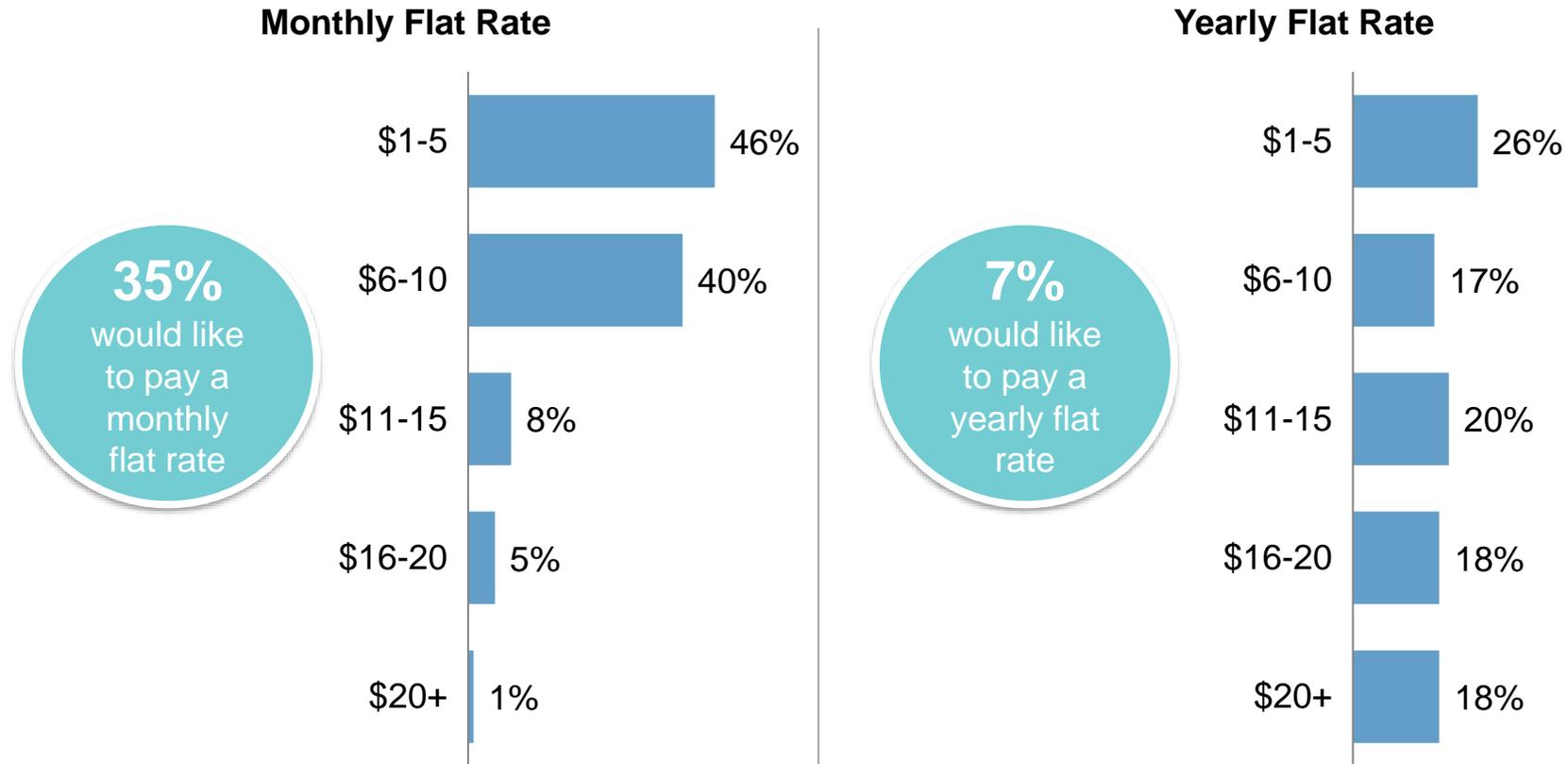
About **3-in-5** panelists would like to pay the additional cost for participating in a renewable gas program as **scalable percentage of their monthly bill**.



Base: Those who would like to opt-in for a program (n=1,097)  
RES CIP – AUG17\_8. Imagine you were to opt-in to a renewable gas program that supports the development of renewable gas. How would you prefer to pay this additional cost?

# Flat Program Cost Willing to Pay

Among those who would like to pay a flat cost when participating in a renewable gas program, **nearly half** are willing to pay **\$1-\$5** per month for cleaner, renewable gas for their homes.



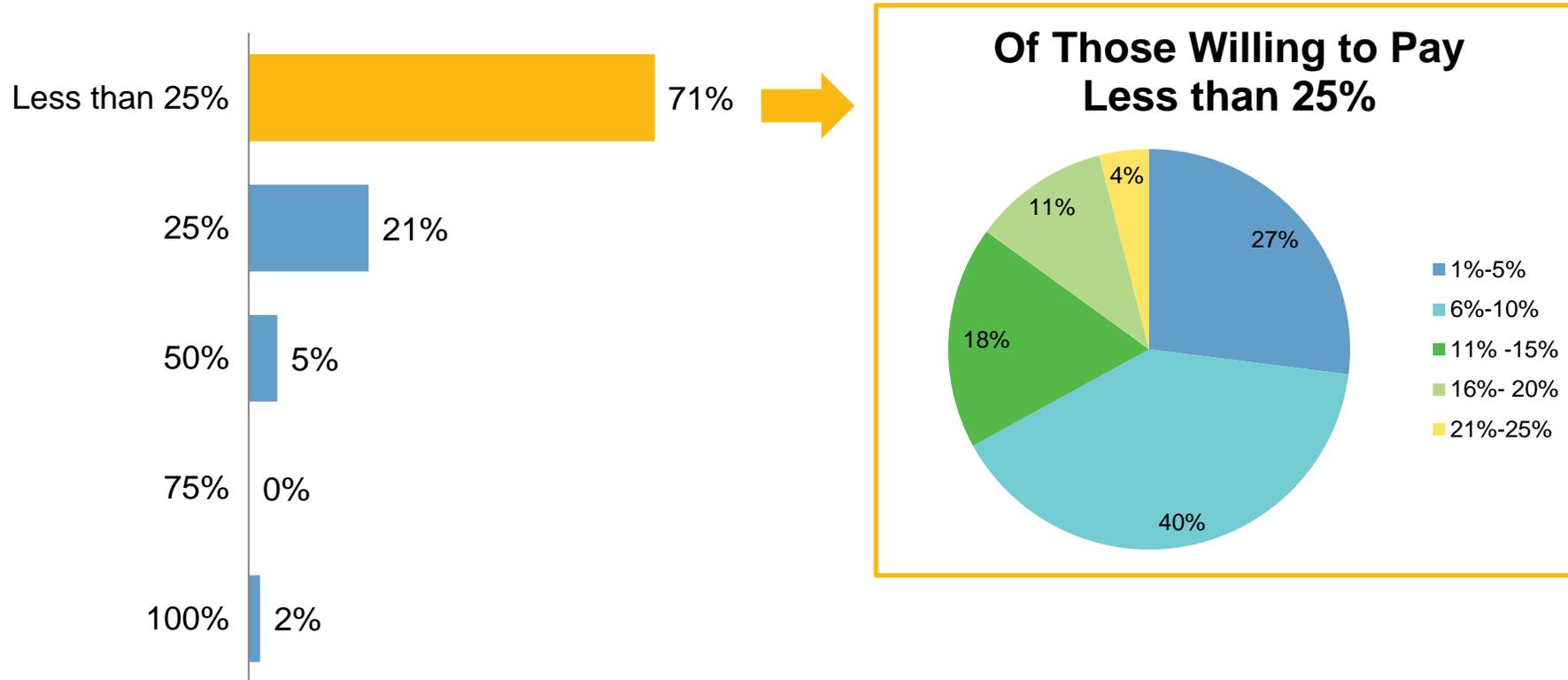
Base: Those who prefer monthly flat rate as part of your monthly bill (n=386)

Base: Those who prefer yearly flat rate separate from bill (n=76\*)

RES CIP – AUG17\_9. Let's imagine that you are going to opt-in to pay a yearly/monthly flat rate for renewable gas as part of your monthly bill. How much more are you willing to pay per year for cleaner, renewable gas for your home?

# Monthly Percentage Program Cost Willing to Pay

Among those who prefer to pay through a percentage of their monthly bill, almost **3-in-4** would be willing to **pay less than 25% of their monthly bill** for cleaner, renewable gas for their homes.



Base: Those who prefer percentage of monthly usage as part of your monthly bill (n=635)

Base: Those who are selected less than 25% for cleaner, renewable gas (n=453)

RES CIP – AUG17\_11. Let's imagine that you are going to opt-in to pay a percentage of your monthly usage as part of your monthly bill. How much more are you willing to pay per month for cleaner, renewable gas for your home?

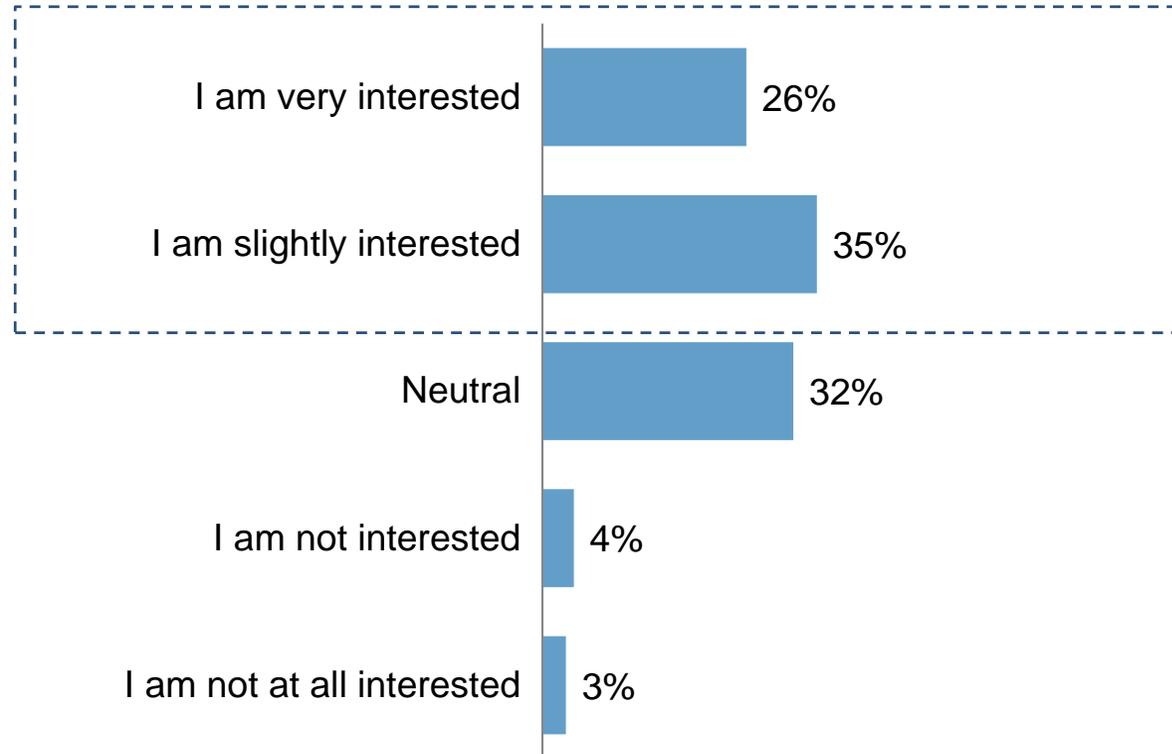
RES CIP – AUG17\_12. You selected less than 25%. How much are you willing to pay per month for cleaner, renewable gas for your home?

# Natural Gas Vehicles



# Supporting Businesses that Use NGV's

More than half of residential panelists show **interest** in supporting businesses that use NGVs.

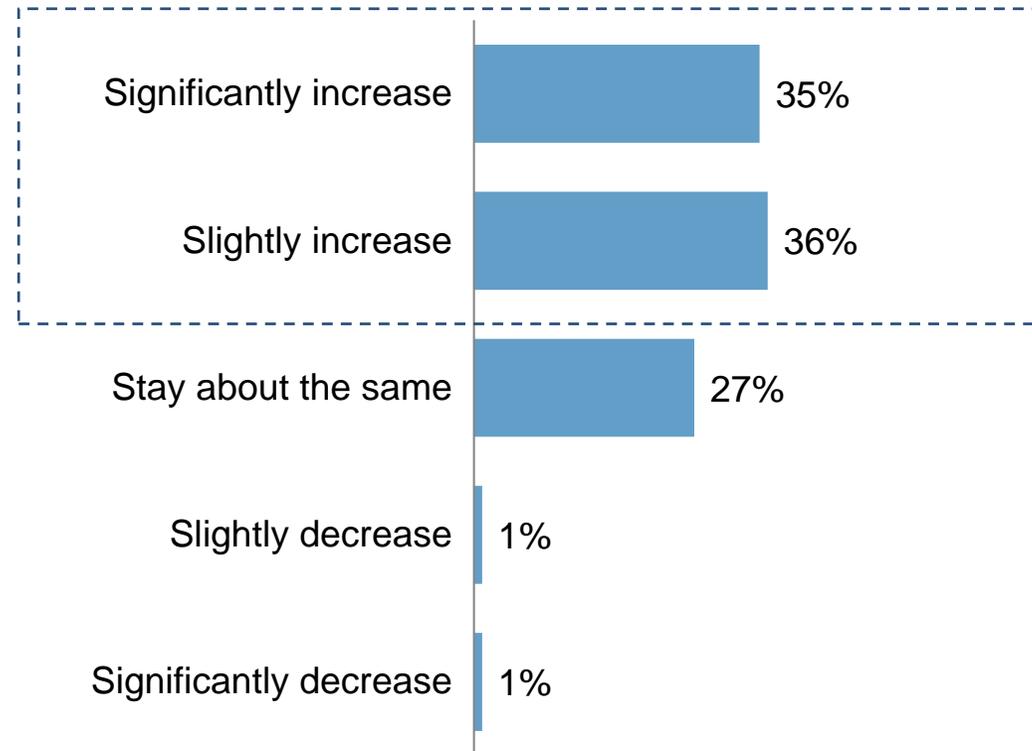


Base: All Respondents (n=1,507)

RES CIP – AUG17\_16. Many cars, city transit buses, and long haul trucks use gasoline, diesel fuel, or electric batteries, but natural gas is also an option to fuel vehicles. Today, there are approximately 250,000 natural gas vehicles (NGVs) on the road, which are mostly operated by fleets. How interested are you in supporting businesses that use NGVs?

# Supporting Businesses that Use NGV's

Nearly three-fourths of residential panelists **express increased interest** in businesses that use NGVs after learning that they produce less greenhouse gas and have a lower cost to fuel.



Base: All Respondents (n=1,507)

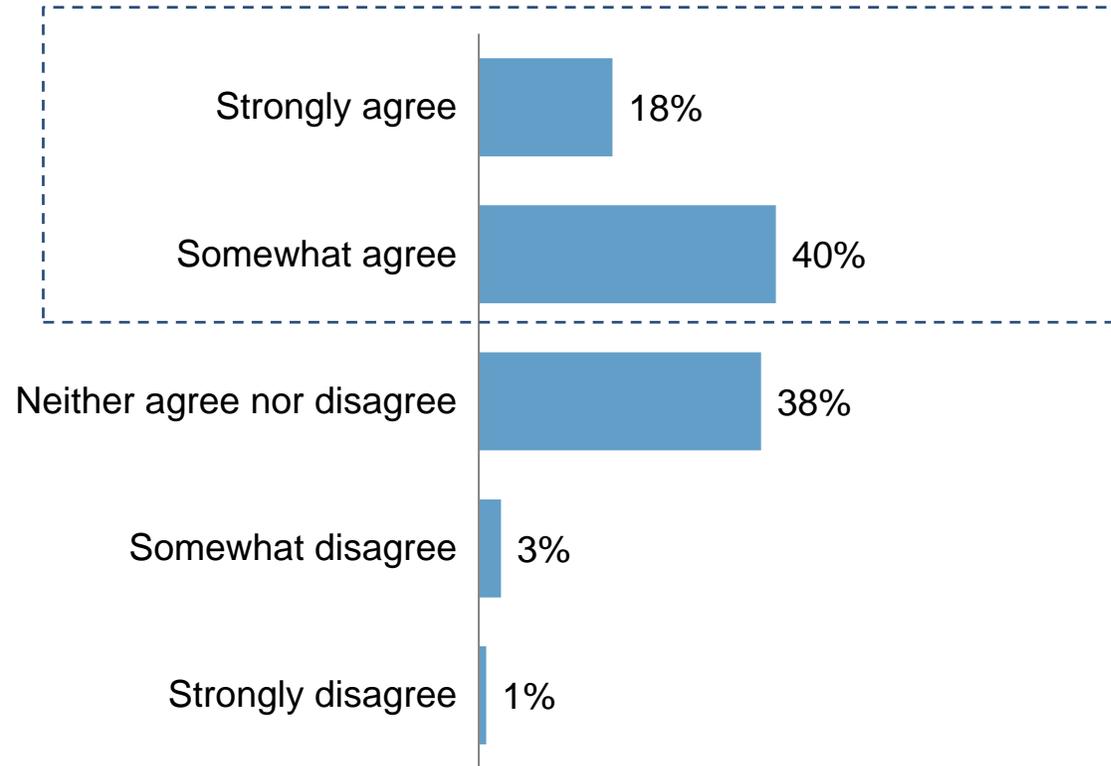
RES CIP – AUG17\_17. If you knew that natural gas vehicles (NGVs) running on renewable natural gas only produced 5-10 percent of the emissions of traditional vehicles, produced 60 percent less greenhouse gases than gasoline- or diesel-powered vehicles, and cost less to fuel than a gasoline or diesel vehicle, would this change your interest in supporting businesses that use NGVs?

# Energy Leadership



# SoCalGas as a leader in Renewable Energy

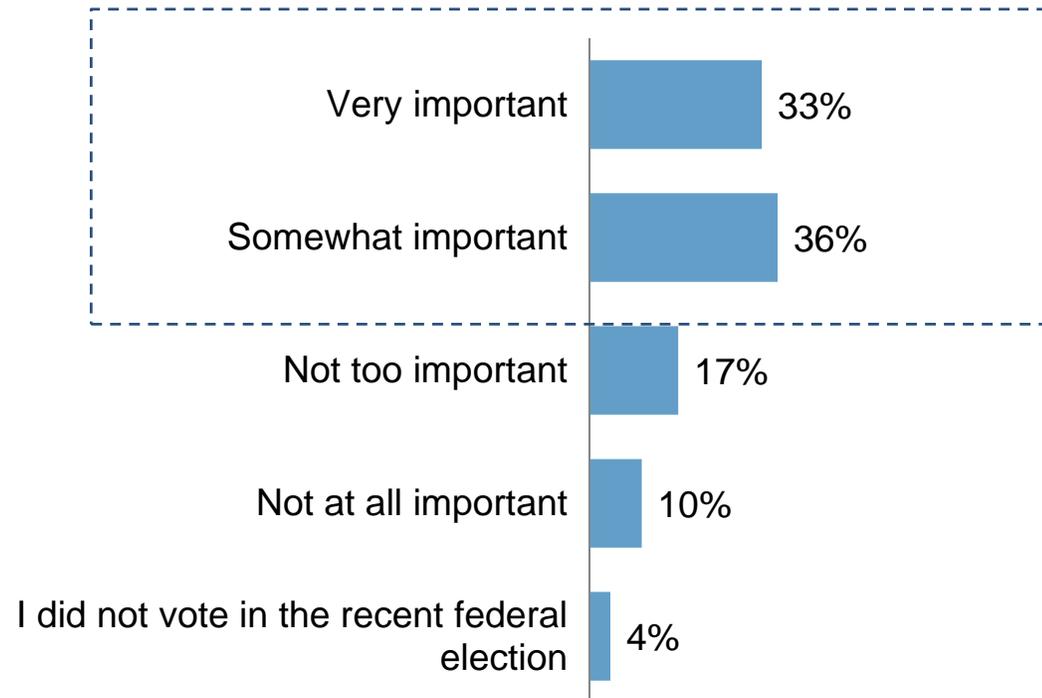
There is a **moderate** agreement that **SoCalGas is a leader** in renewable energy.



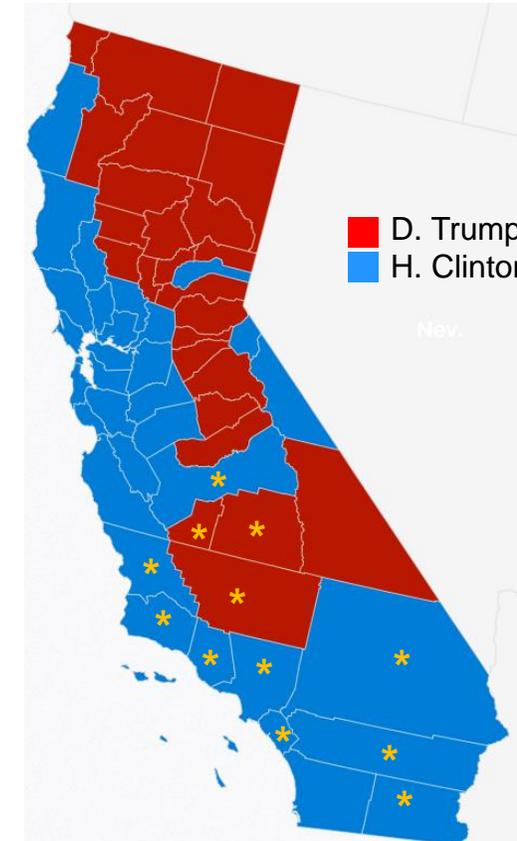
Base: All Respondents (n=1,507)  
RES CIP – AUG17\_18. How much do you agree or disagree with the following statement? "SoCalGas is a leader in renewable energy."

# Importance of Energy on Federal Election Vote

Over two-thirds of residential panelists view energy as an important issue that affected their electoral vote.



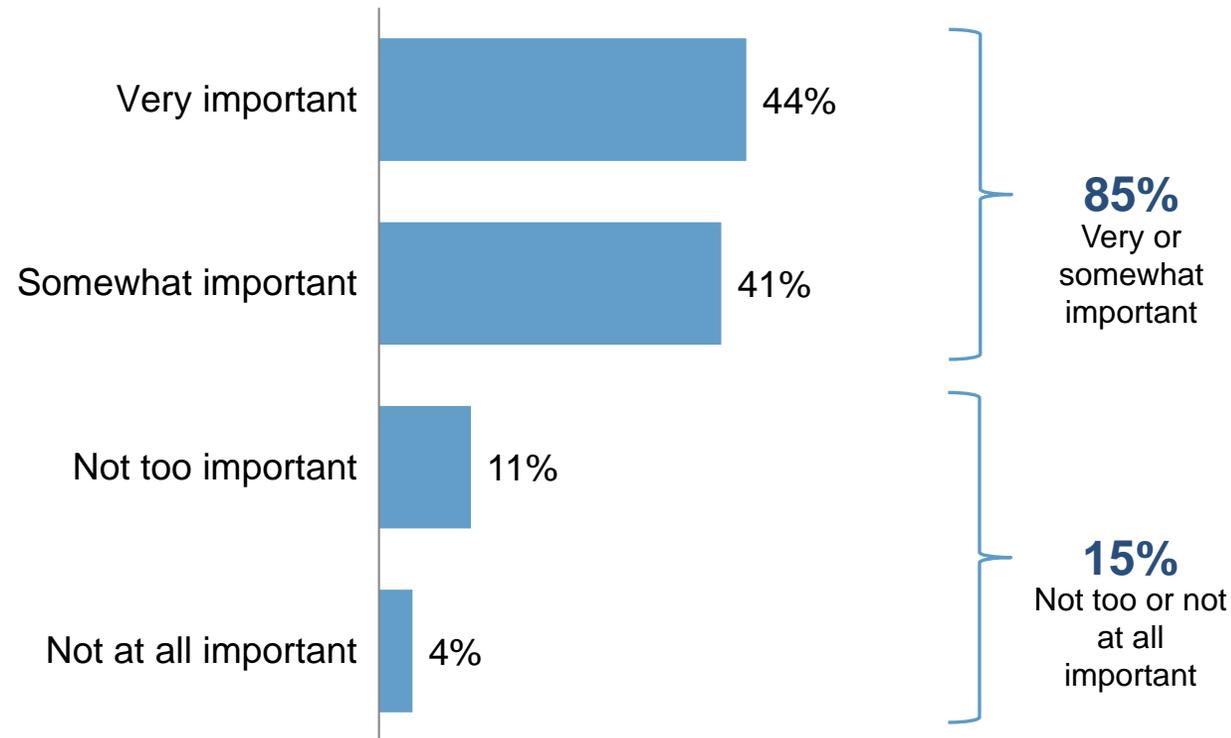
2016 CA Presidential Election Results by County  
(Source: Politico.com)



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_19. When thinking about the recent federal election, how important was the issue of energy to your vote?

# Candidate Alignment with Energy Issues

**More than three-fourths** of residential panelists **believe it is important** that a political candidate shares the same opinion in energy issues.



Base: All Respondents (n=1,507)  
RES CIP – AUG17\_20. When thinking about all elections (local, state and federal), how important is it to you that a candidate for political office share your opinion on energy issues?

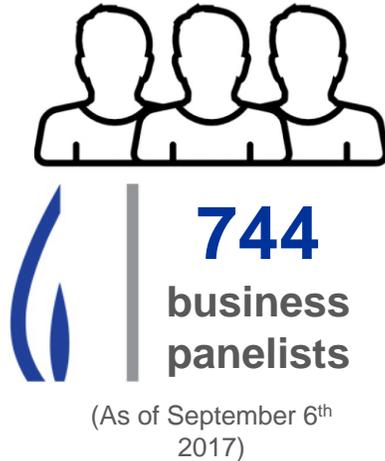


Environmental Awareness  
Renewable Gas  
Natural Gas Vehicles

## BUSINESS CUSTOMER INSIGHT PANEL

Business Report August 2017

# Business Panel Background



- ✓ This is the 9<sup>th</sup> year of our panel. Customers were invited to join this year's panel in January 2017.
- ✓ In the 2017 panel recruitment, we reached out to 40,638 new customers and invited 993 previous panelists to rejoin the community.
- ✓ The member recruitment join rate was 1.8%.
- ✓ Recruitment will continue throughout 2017.



These business panelists agree to participate in approximately **1-2 surveys per month** for a period of one year

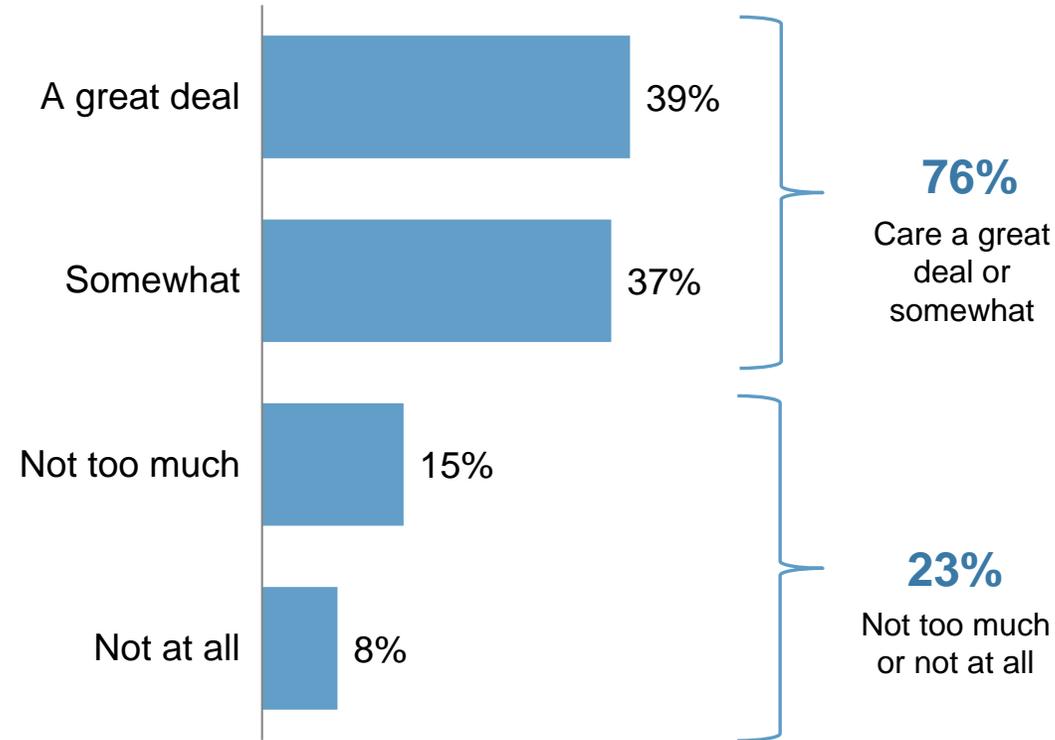
# Environmental Awareness



Survey Field Dates: August 16<sup>th</sup> – 30<sup>th</sup> 2017  
Participation Rate: 38.96%  
Completion Rate: 36.28%  
n=271

# Global Climate Change

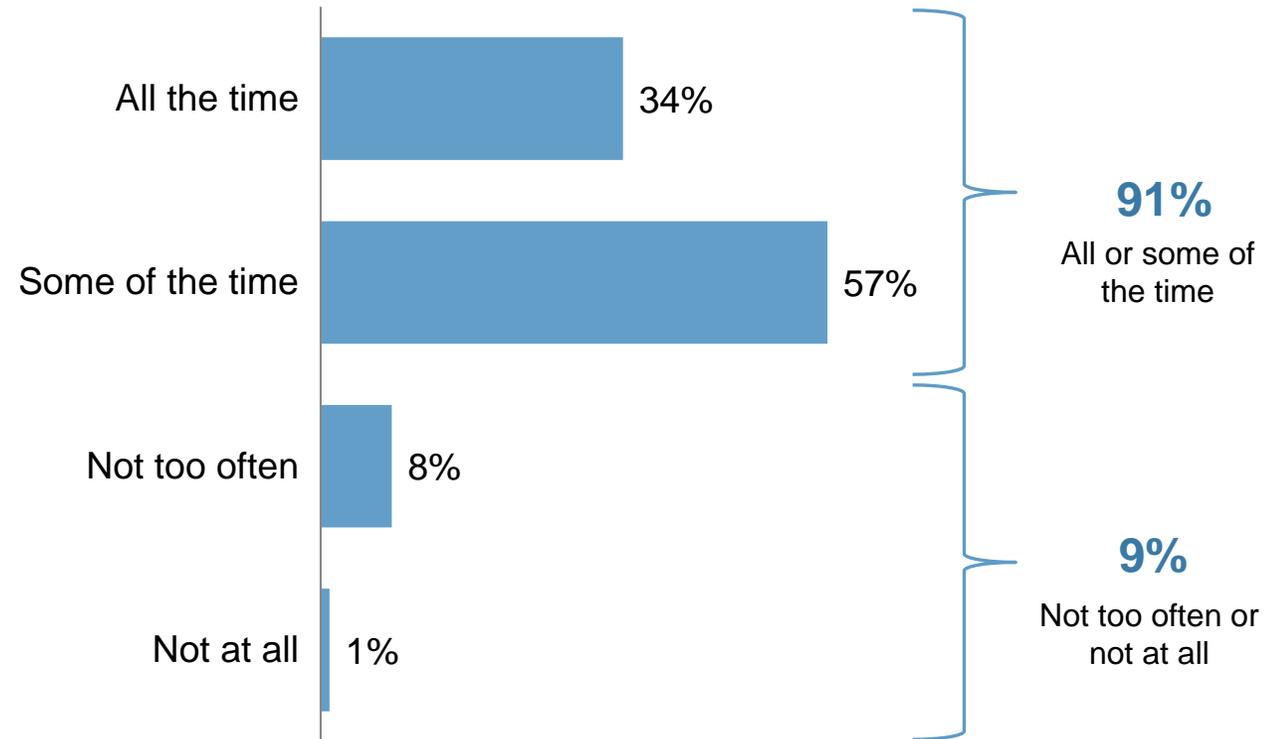
**Two-in-five** business panelists care a great deal about climate change.



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_1. To what degree do you care about the issue of global climate change?

# Protecting the Environment

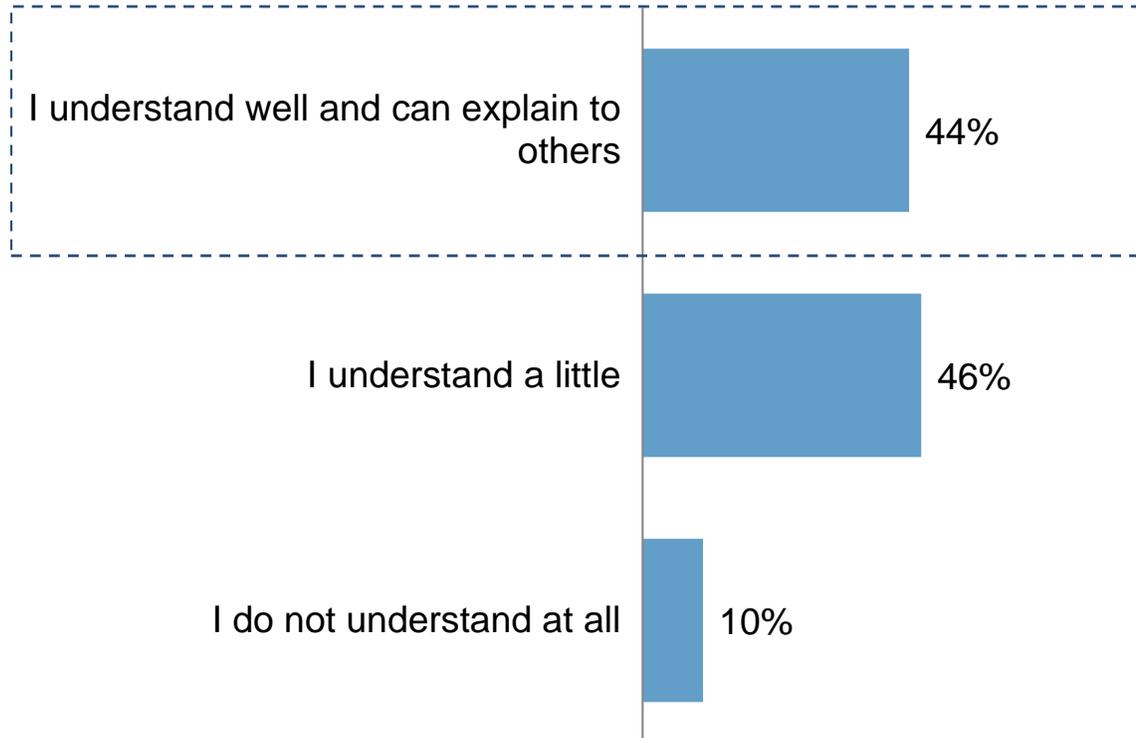
**9-in-10** business panelists live in ways to help protect the environment.



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_2. How regularly do you try to live in ways that help protect the environment?

# Renewable vs. Non-Renewable Energy

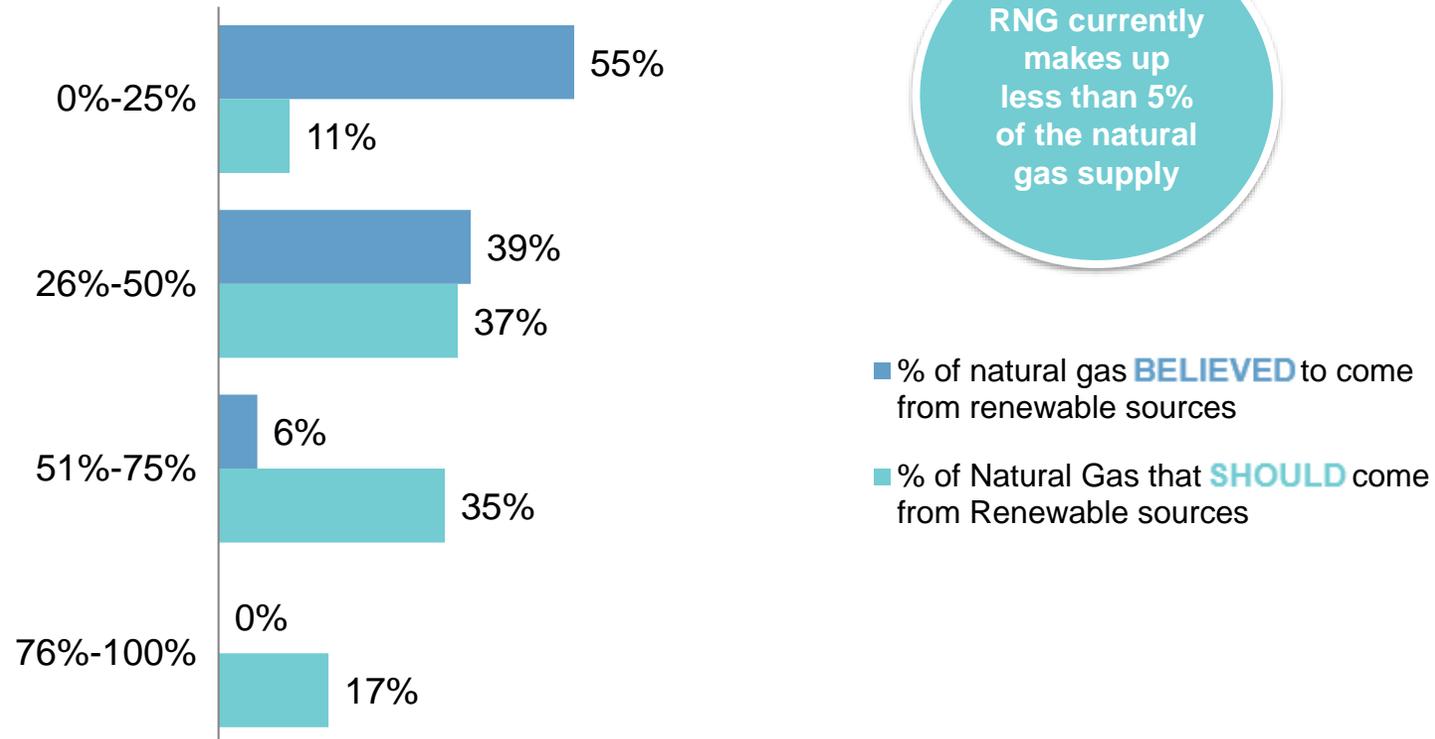
At least **two-in-five** business panelists feel that they understand renewable energy well enough to explain to others.



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_4. Do you know the difference between renewable and non-renewable energy?

# Percentage of Natural Gas From Renewable Sources

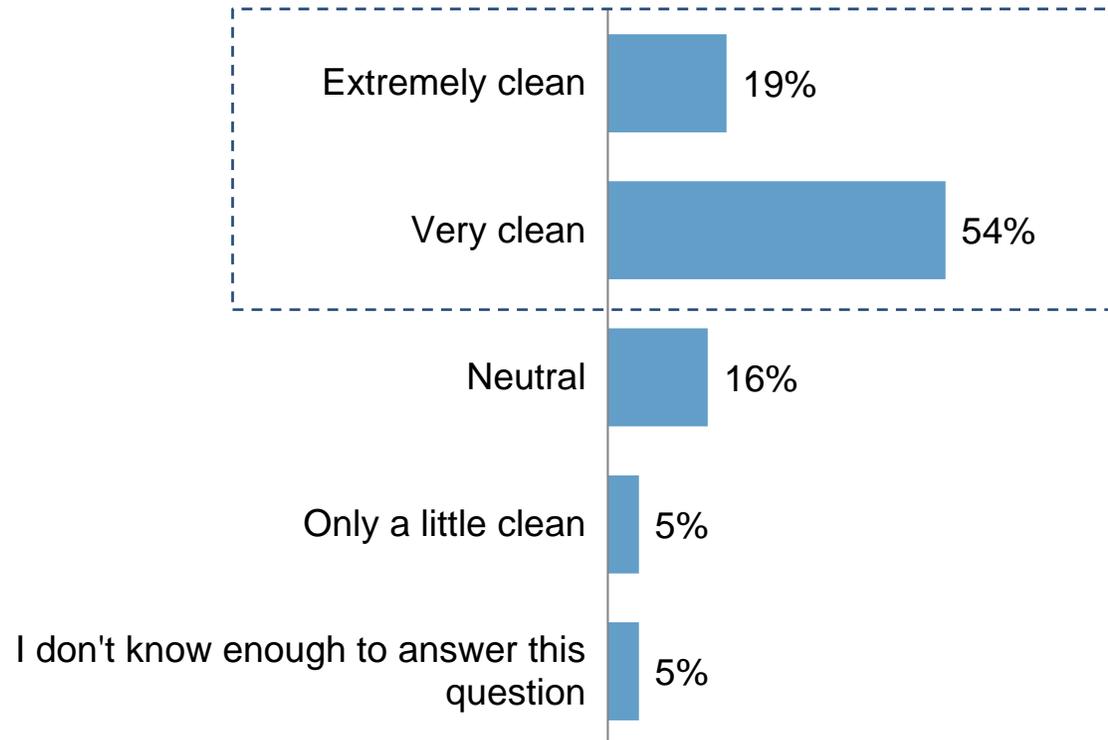
Most business panelists believe that **less than 25 percent** of the natural gas supply in California comes from **renewable sources** and nearly **two-in-five** believe 51%-75% of the natural gas supply should come from renewable sources.



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_14. What percent of California's natural gas supply do you believe currently comes from renewable sources like landfills, wastewater treatment, dairies and farms? Take your best guess.  
BIZ CIP – AUG17\_15. What percentage of all natural gas used in California do you think is the right amount to generate from renewable sources like landfills, wastewater treatment, dairies and farms?

# Natural Gas as a Clean Energy Source

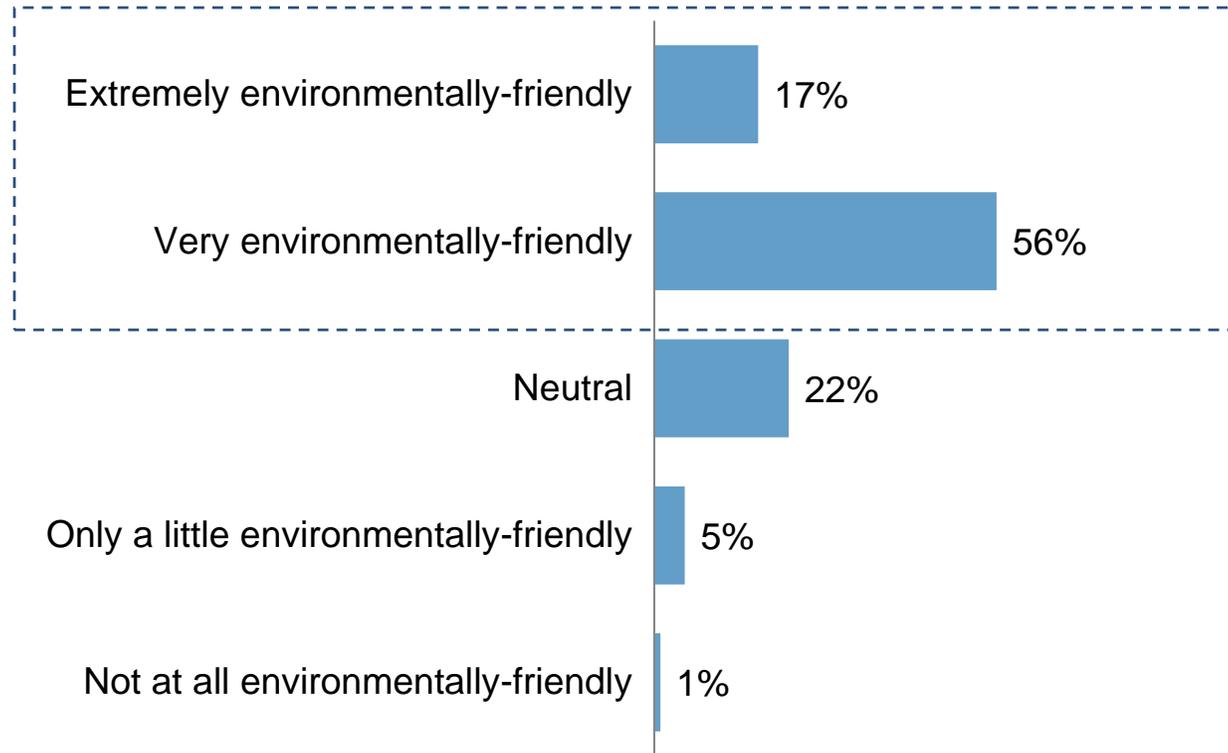
Nearly three-quarters of business panelists believe that natural gas is a **clean source of energy**.



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_3. How clean do you believe natural gas is as an energy source?

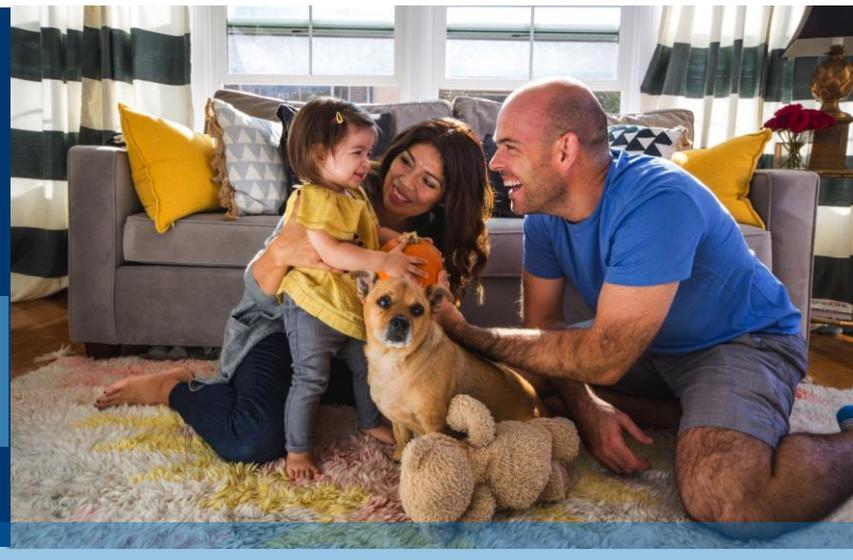
# Environmental-friendliness of Renewable Gas

Nearly three-quarters of respondents view renewable gas as an environmentally friendly source of energy.



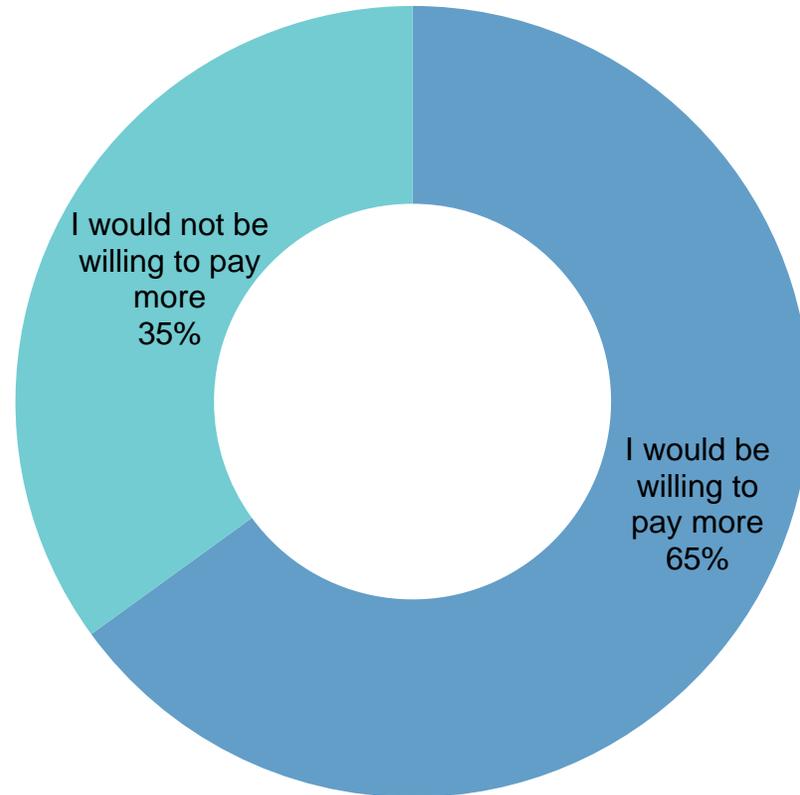
Base: All Respondents (n=271)  
BIZ CIP – AUG17\_6. How environmentally-friendly do you believe renewable gas is as an energy source?

# Renewable Energy Programs



# Paying More to Improve Renewable Energy

About **two-thirds** of business panelists are willing to **pay more in the short term** to have more stable, cleaner, and cheaper energy for the future.



Base: All Respondents (n=271)

BIZ CIP – AUG17\_5. If accelerating the growth of clean energy meant that, in the short term, consumers would have to pay a little bit more for energy but in the long term would have more stable, cleaner, and cheaper energy, which would you choose?

# Unwillingness to Pay More for Renewable Energy

## Key Themes

- On a limited budget
- Unsure of the meaning/duration of “short term”

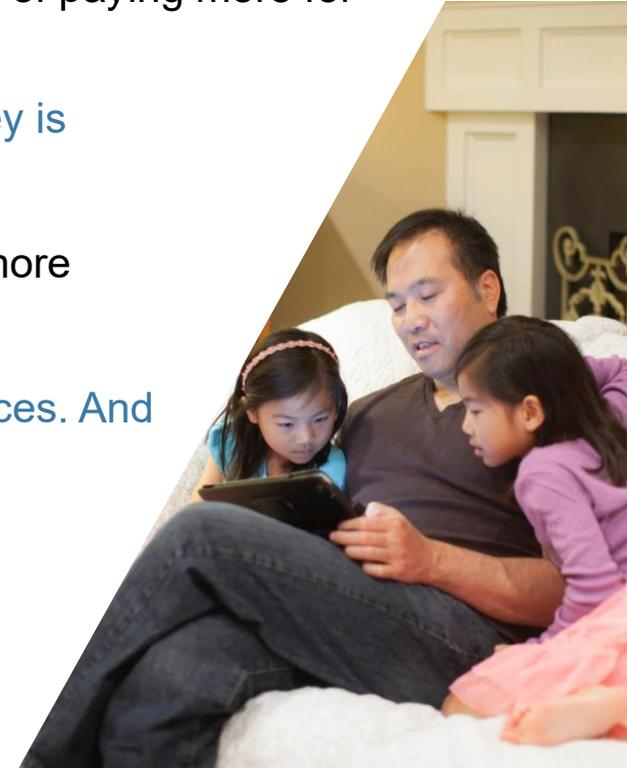
“The budget is already so tight, we do not have the capabilities of paying more for energy.”

“Expenses for a small business add up. Anything to save money is important.”

“I would need to know what "short term" means I would need more information before I would willingly take a cost increase.”

“The existing market condition not allow me to increase our prices. And we can't increase our cost without increasing price.”

“What's your definition of "a little bit more"? Without knowing numbers or percent I'm not willing to say yes. Your "little bit more" might be a lot different then my "little bit more". Give me specifics such as a percent increase and I could answer the question better.”

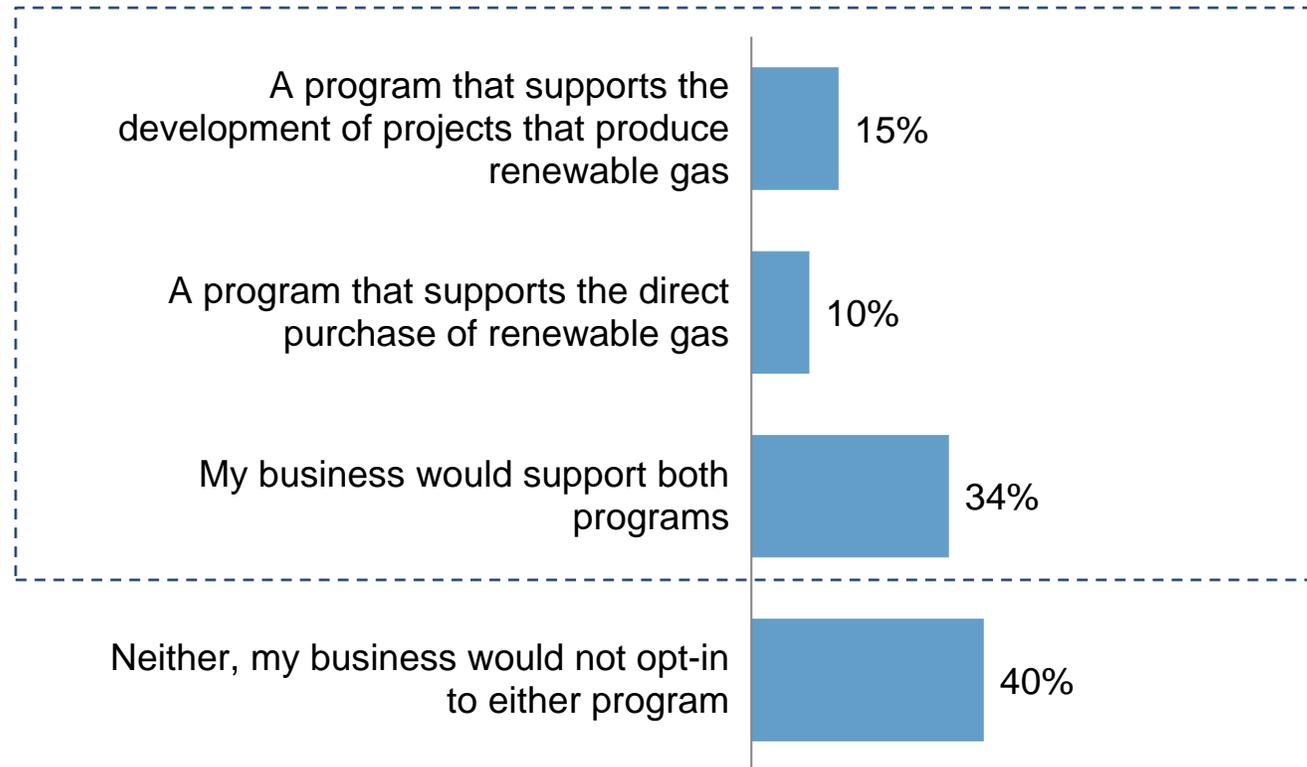


Base: Chose Not Willing to Pay More (n=95)

BIZ CIP – AUG17\_5\_2. Why would you be unwilling to pay a little bit more for energy in the short term, even if it meant stable, cleaner and cheaper energy in the long term?

# Support for Renewable Natural Gas Programs

6-in-10 would opt-in to some form of a renewable gas program.



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_7\_SC. Which program would your business most likely opt-in to support?

# Benefits of Participating in a Renewable Gas Program

## Key Themes

- Environmental impact for the future
- Cleaner energy source
- Potential cost savings in the long run

“A comprehensive study by the Department of Energy’s National Renewable Energy Laboratory has demonstrated that currently available renewable technologies could affordably and reliably provide 80 percent of U.S. electricity needs by 2050.”

“Renewable gas would only be a stopgap solution. Fossil fuels, renewable or not, all contribute to global warming. Natural gas contributes less than other fossil fuels, such as coal, so it could be a temporary solution if it replaced a source that polluted more. In the end, we must transition to the sources that pollute the least: solar, wind, etc.”

“It is good for the environment in the long run.”

“Yes, helps the earth and future generations.”

“Long-term savings, better for the environment, safer.”

“We are here to protect our kids and part of that is to make sure we are leaving them a better planet.”

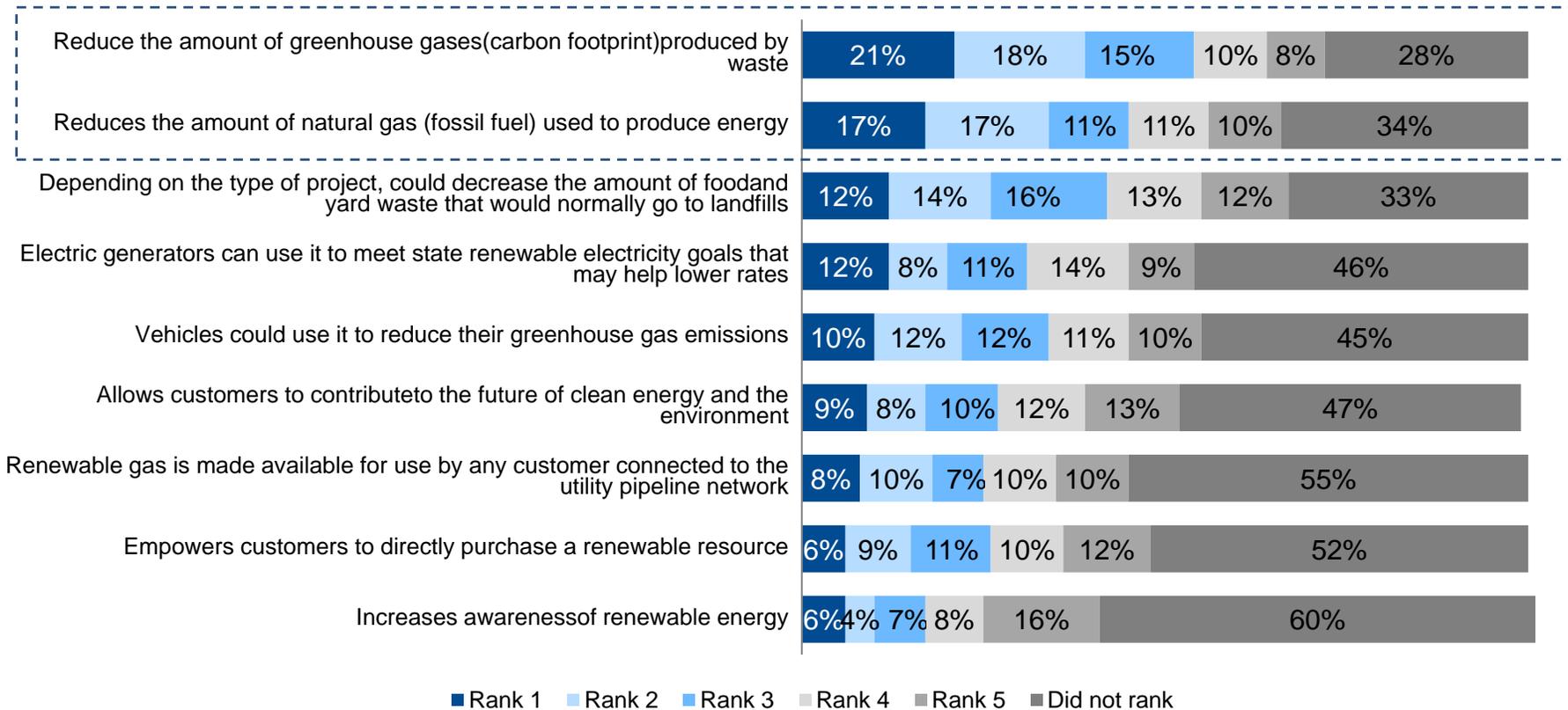


Base: Do See Benefits (n=152)

BIZ CIP – AUG17\_7\_OE. Do you see any benefits of participating in a renewable gas program like this? If so, please list the benefits below.

# Top Benefits of a Renewable Gas Program

Overall, the **top two** benefits of a renewable gas program relate to the **positive impact renewable energy has on the environment**.



Base: All Respondents (n=271)

BIZ CIP – AUG17\_13. Below is a list of benefits of participating in a Renewable Gas Program. Please rank the 5 benefits that are most important to you.

# Unwillingness to Opt-in to a Renewable Gas Program

## Key Themes

- On a limited budget
- Unproven results
- Lack of information about the program

“Would need all details and pricing. With us being a small business it would take a long time to look into everything.”

“Costs. Also, not sure it is actually more eco friendly than pipeline natural gas. Lot's of infrastructure to build to get renewable up and running. The payback might be a generation or longer. Wiser to use of what we have makes more sense to me.”

“Don't know enough about how it works, [its] processes, or how it benefits the environment.”

“Gas is on of the cleanest, most efficient energies out there already. I understand you would like to be cleaner and greener and I applaud that, but from my company's stand point, there are bigger fish to fry than natural gas. If I have extra dollars, that's not where I'm putting them.”

“We are a small business and there is not enough information on how this may or may not impact our business bottom line.”

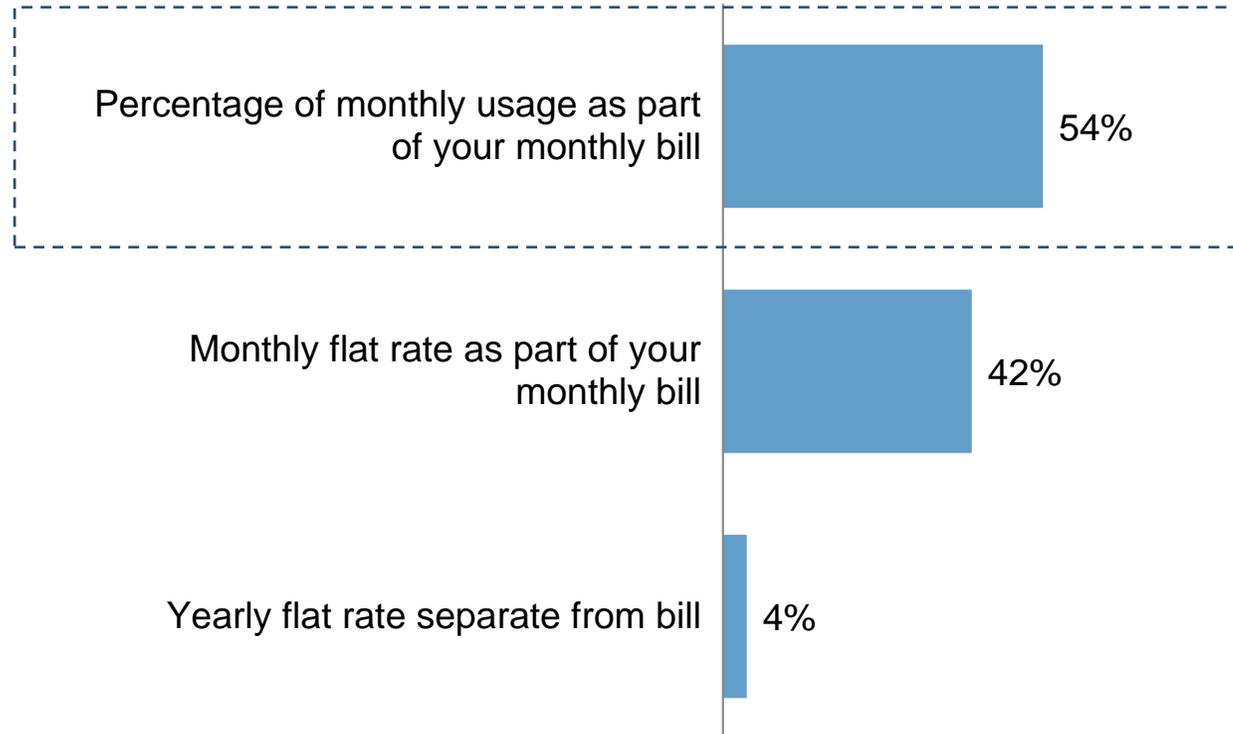


Base: Unwilling to opt-in (n=109)

BIZ CIP – AUG17\_7\_2. Why are you unlikely to opt-in to a renewable gas program?

# Renewable Gas Program Payment Preference

**More than half** of business panelists would like to pay for the program costs as a **scalable percentage of their monthly bill**.

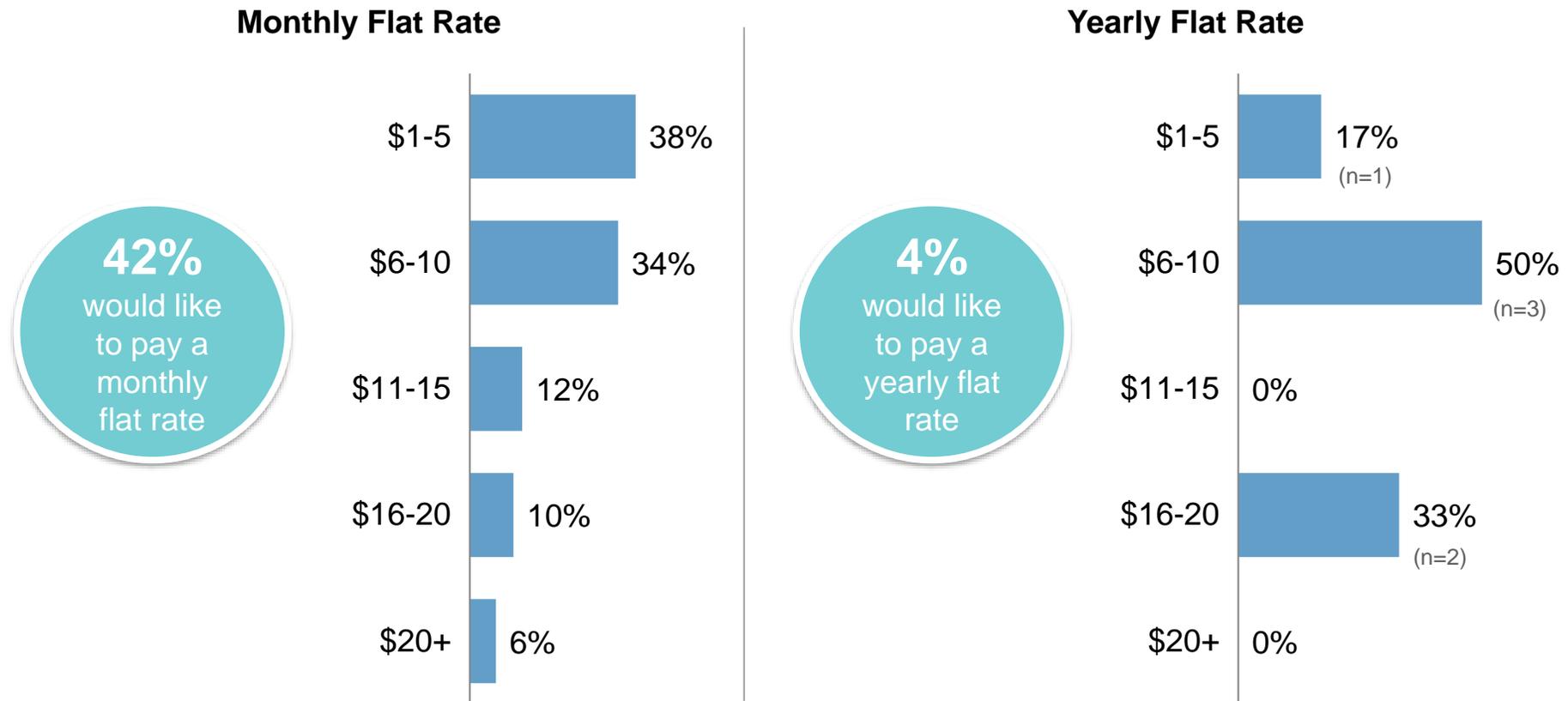


Base: All Respondents (n=162)

BIZ CIP – AUG17\_8. Imagine your business were to opt-in to a renewable gas program that supports the development of renewable gas. How would you prefer to pay this additional cost?

# Flat Program Cost Willing to Pay

Among those who would like to pay a flat cost when participating in a renewable gas program, about **2-in-5** are willing to pay **\$1-\$5** per month for cleaner, renewable gas for their homes.



Base: Those who prefer monthly flat rate as part of your monthly bill (n=68\*)

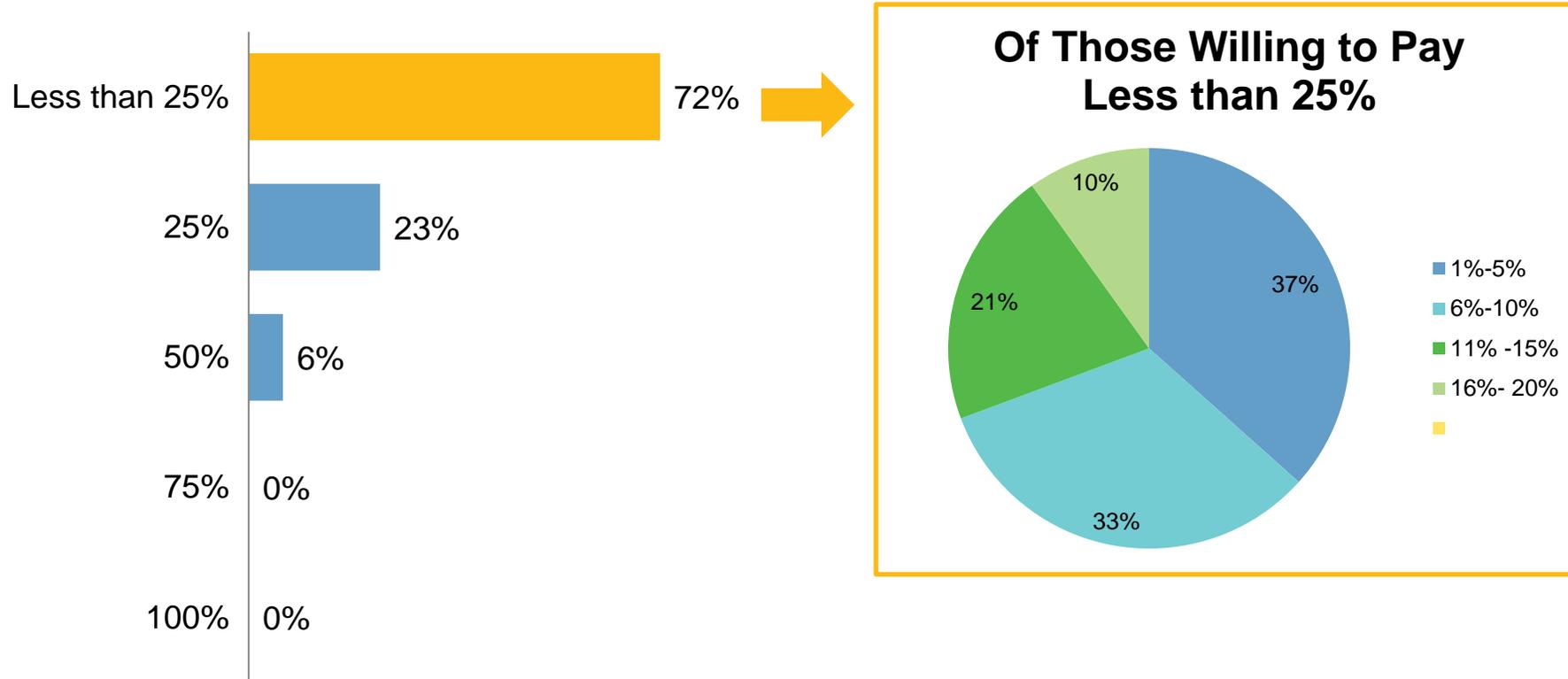
Base: Those who prefer yearly flat rate separate from bill (n=6\*)

BIZ CIP – AUG17\_9/10. Let's imagine that you are going to opt-in to pay a yearly/monthly flat rate for renewable gas as part of your monthly bill.

How much more are you willing to pay per year for cleaner, renewable gas for your home?

# Monthly Percentage Program Cost Willing to Pay

Among those who prefer to pay through a percentage of their monthly bill, nearly **3-in-4** would be willing to **pay less than 25% of their monthly bill** for cleaner, renewable gas for their homes.



Base: Those who prefer percentage of monthly usage as part of your monthly bill (n=88\*)

Base: Those who are selected less than 25% for cleaner, renewable gas (n=63\*)

BIZ CIP – AUG17\_11. Let's imagine that you are going to opt-in to pay a percentage of your monthly usage as part of your monthly bill. How much more are you willing to pay per month for cleaner, renewable gas for your home?

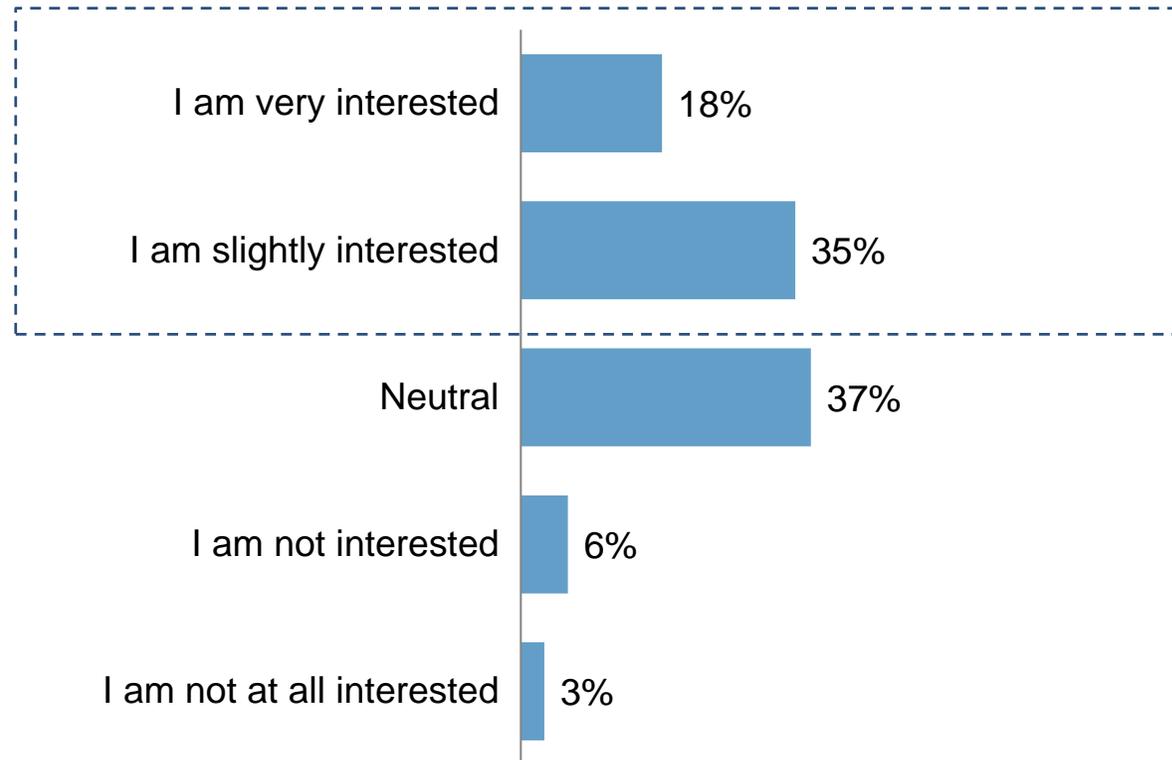
BIZ CIP – AUG17\_12. You selected less than 25%. How much are you willing to pay per month for cleaner, renewable gas for your home?

# Natural Gas Vehicles



# Supporting Businesses that Use NGV's

More than half of business panelists show **interest** in supporting businesses that use NGVs.



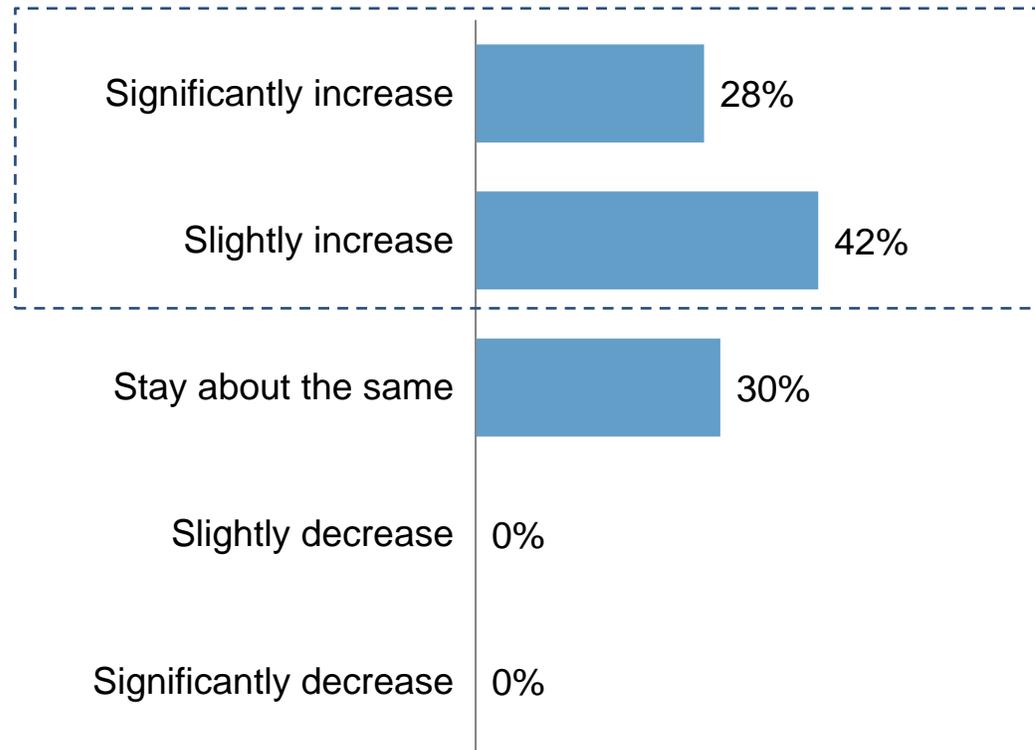
Base: All Respondents (n=271)

BIZ CIP – AUG17\_16. Many cars, city transit buses, and long haul trucks use gasoline, diesel fuel, or electric batteries, but natural gas is also an option to fuel vehicles. Today, there are approximately 250,000 natural gas vehicles (NGVs) on the road, which are mostly operated by fleets.

How interested are you in supporting businesses that use NGVs?

# Supporting Businesses that Use NGV's

**Seven-in-ten** business panelists have an **increased interest** in businesses that use NGVs after learning that they produce less greenhouse gas and have a lower cost to fuel.



Base: All Respondents (n=271)

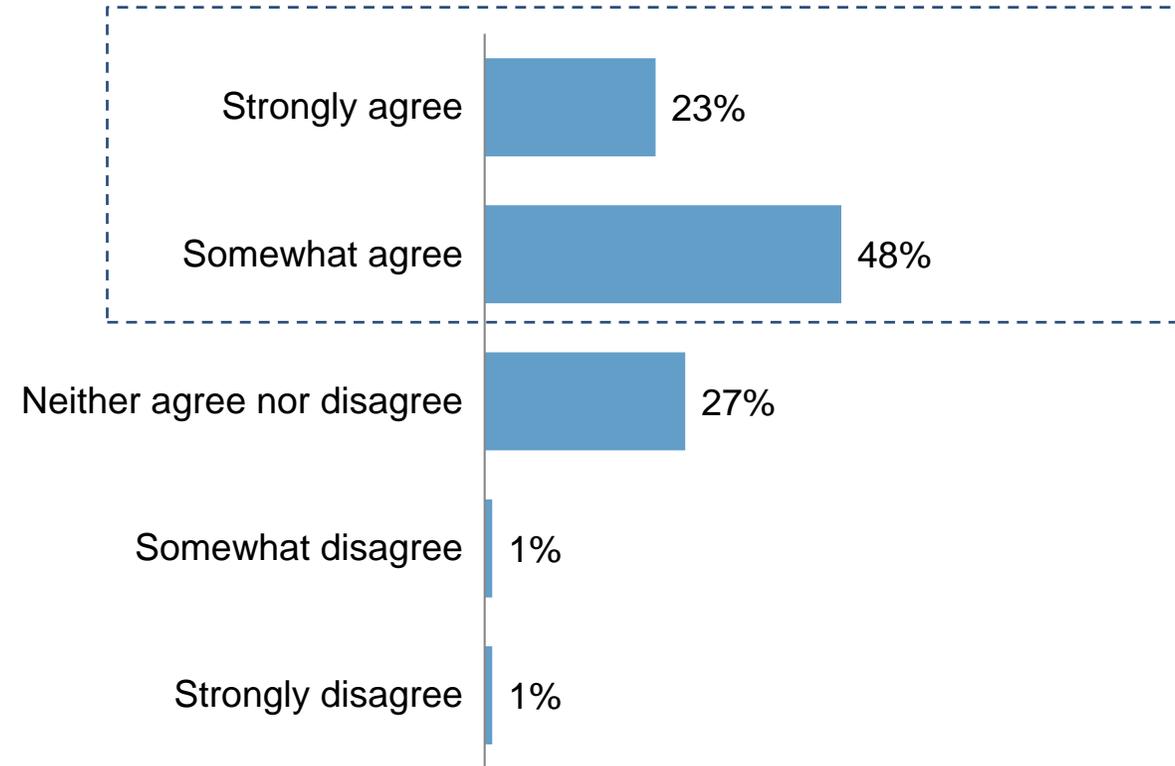
BIZ CIP – AUG17\_17. If you knew that natural gas vehicles (NGVs) running on renewable natural gas only produced 5-10 percent of the emissions of traditional vehicles, produced 60 percent less greenhouse gases than gasoline- or diesel-powered vehicles, and cost less to fuel than a gasoline or diesel vehicle, would this change your interest in supporting businesses that use NGVs? My interest would...

# Energy Leadership



# SoCalGas as a leader in Renewable Energy

Seven-in-ten business panelists **believe that SoCalGas is a leader** in renewable energy.

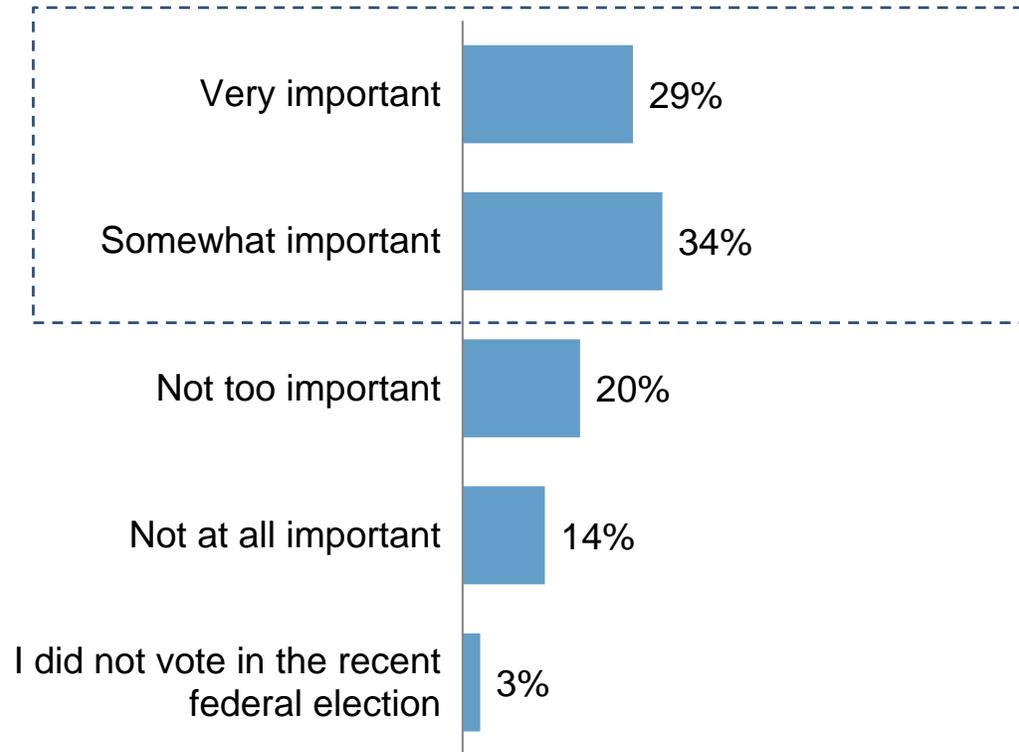


Base: All Respondents (n=271)

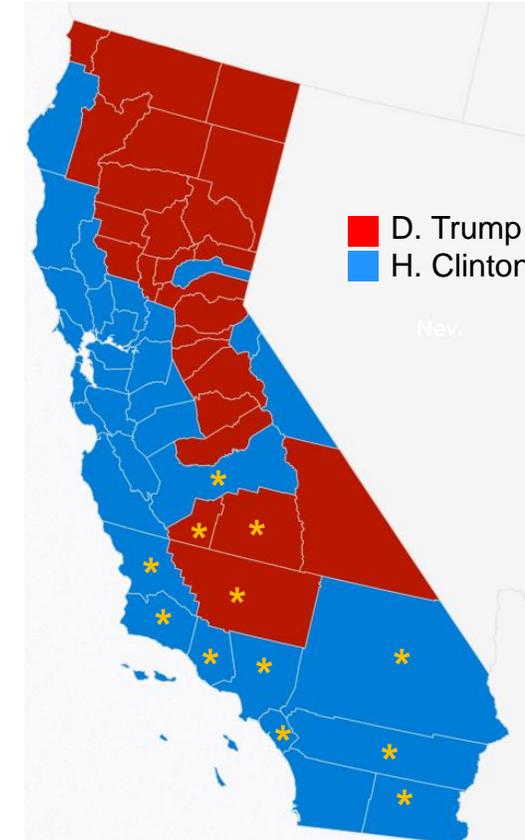
BIZ CIP – AUG17\_18. How much do you agree or disagree with the following statement? "SoCalGas is a leader in renewable energy."

# Importance of Energy on Federal Election Vote

Nearly two-thirds of business panelists view energy as an important issue that affected their electoral vote.



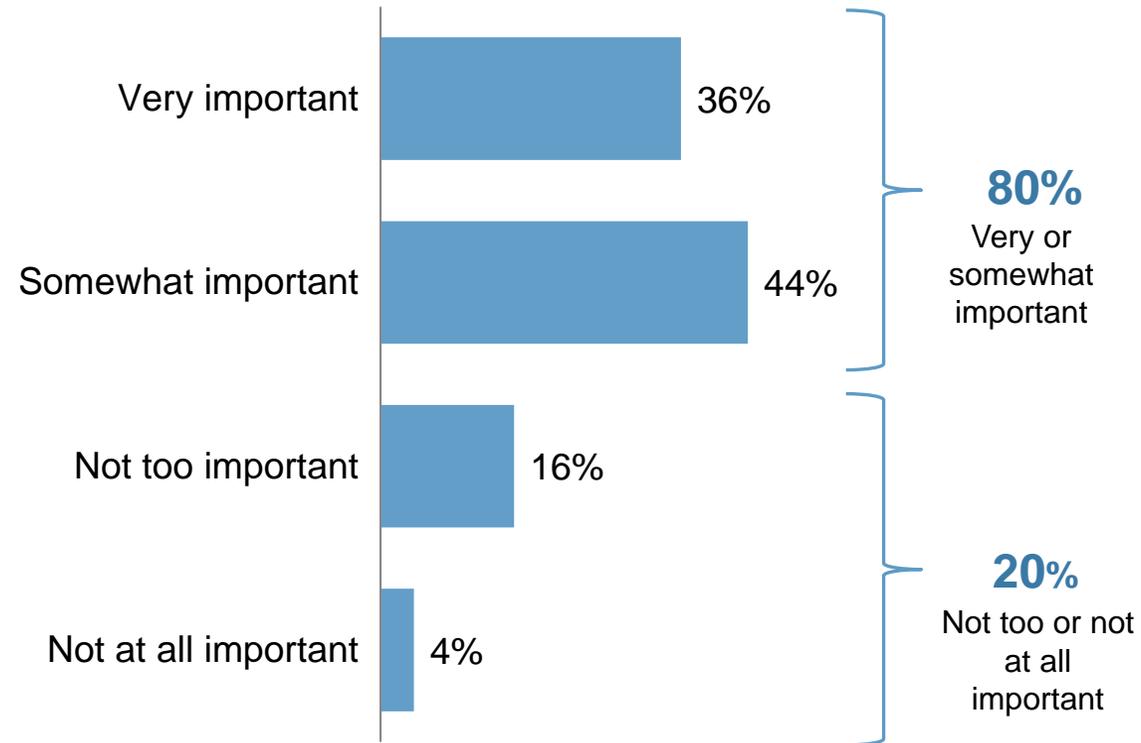
2016 CA Presidential Election Results by County  
(Source: Politico.com)



Base: All Respondents (n=271)  
BIZ CIP – AUG17\_19. When thinking about the recent federal election, how important was the issue of energy to your vote?

# Candidate Alignment with Energy Issues

More than three-quarters of business panelists believe it is important that a political candidate shares the same opinion in energy issues.



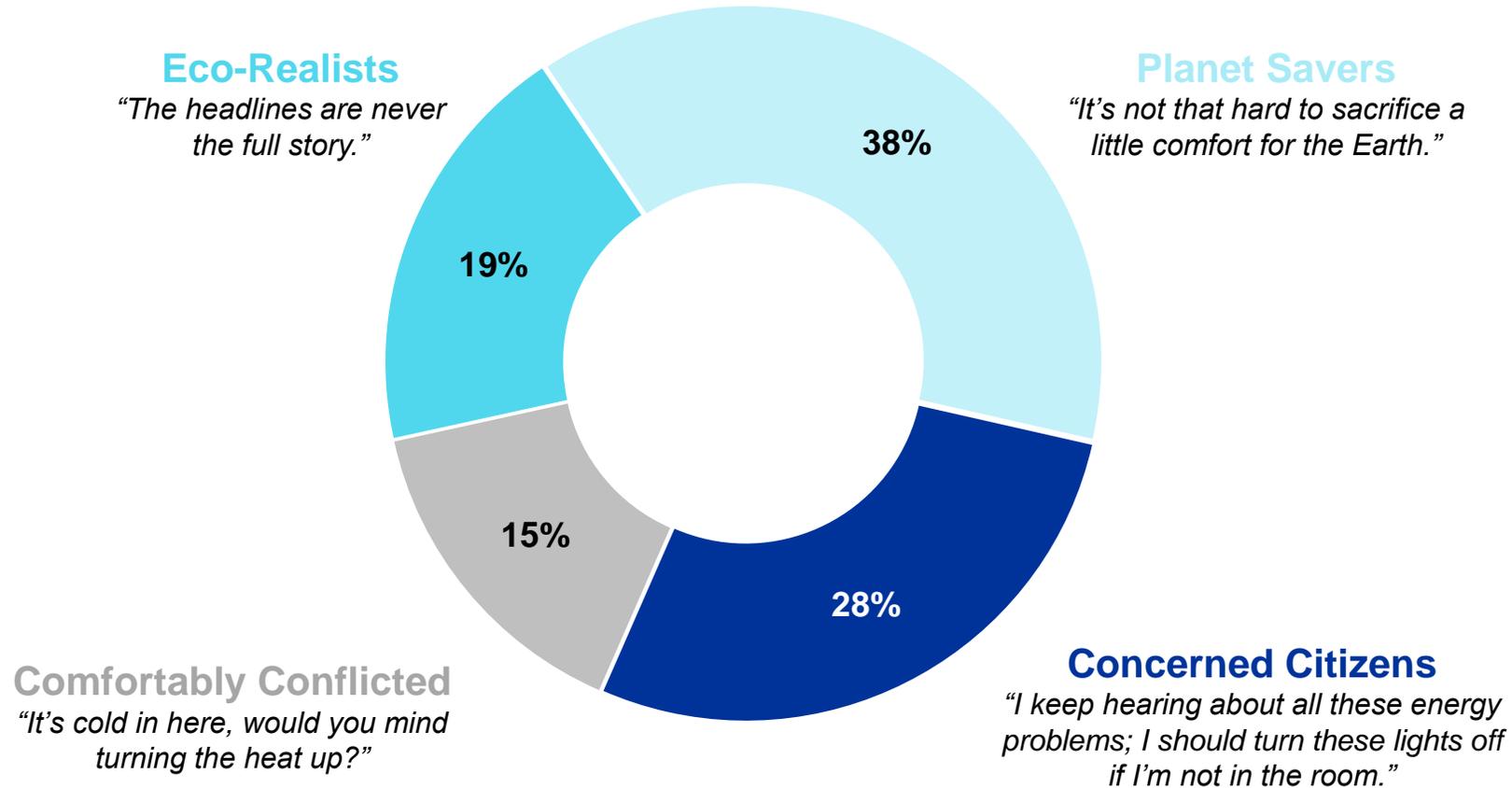
Base: All Respondents (n=271)  
BIZ CIP – AUG17\_20. When thinking about all elections (local, state and federal), how important is it to you that a candidate for political office share your opinion on energy issues?

# ENERGY SEGMENTATION



Survey Field Dates: Feb 15<sup>th</sup> – Mar 2<sup>nd</sup> 2017  
Participation Rate: 55.9%  
Completion Rate: 53.6%  
n=371

# Energy Segment Breakdown



# Energy Segment Breakdown



**Planet Savers** are very concerned about our energy use and its implications for the future of the planet. They are ready to make sacrifices.



**Concerned Citizens** are concerned about energy use and the implications of our actions. But they are not extremely concerned about the future and not necessarily ready to act.



The **Comfortably Conflicted** have concerns about energy use but don't see any point in giving up all of life's modern conveniences.



**Eco-Realists** don't like the hype that goes along with subjects of Energy and the Environment. Whether skeptics or realists, they are not jumping to conclusions based on the latest headline.



**SoCalGas**

A  Sempra Energy utility<sup>®</sup>

*Glad to be of service.<sup>®</sup>*

Renewable Natural Gas Study Results  
January 4<sup>th</sup>, 2019

SoCalGas Insiders Residential Community

**FOR INTERNAL USE ONLY**

 The SoCalGas Insiders residential community is a group of customers who have agreed to participate in 3-4 brief online activities (i.e. surveys, discussions, quick polls) per month for a period of one year.

 As incentive, for every activity a panelist completes, they earn an entry into a monthly sweepstakes for an Amazon gift card.

 This marks the 10<sup>th</sup> year SoCalGas has conducted a customer insight panel.

 This year we invited 268,314 new customers and 1330 existing panelists to be a part of the Residential Insiders community – a join rate of 1.3%.

3,584  
Residential  
Members



## SoCalGas Insiders Residential Community Background

# Background & Methodology: *Renewable Natural Gas (RNG)*

## Background

The main objective of the *Renewable Natural Gas (RNG)* study is to measure opinion of and interest in the RNG Program by:

- Better understanding environmental beliefs
- Gauging customer understanding of renewable energy and natural gas
- Evaluate the willingness to support RNG programs that directly purchase RNG versus those that support the development of projects that produce RNG
- Presenting a solution and analyzing customer feedback

# Executive Summary: *Renewable Natural Gas (RNG)*

## Environmental Beliefs

- Most Residential Insiders tend to share common environmental beliefs, believing in global climate change (65%) and trying to live in ways to protect the environment (96%).
- Energy issues are a strong consideration for 69% of Residential Insiders during federal elections while 79% feel it's important their elected officials share their energy views.

## Renewable Energy Knowledge

- Nearly half of Residential Insiders feel they know enough about renewable energy that they'd be comfortable explaining to others. Just 9% feel they don't have any knowledge.
- While almost two-thirds of Insiders consider natural gas to be a clean source of energy, most also correctly believe that renewable natural gas currently accounts for 25% or less of California's natural gas supply. Over 60% of Insiders would like renewable natural gas to make up 26% - 75% of the state's supply.

## Renewable Gas Program Adoption

- While most Insiders consider renewable natural gas to be environmentally-friendly, 35% do not see any benefits to participating in this program.
  - However, when presented with tangible benefits of renewable natural gas, the reduction of greenhouse gases is considered important by three-fourths of Insiders.
- Three-fourths of Insiders would opt-in to at least one of the programs offered, and would prefer to be billed monthly, less than \$10 per month.
  - Knowing their personal environmental impact as a result of their renewable energy contribution would increase likelihood of participation.

# Executive Summary Continued: *Renewable Natural Gas (RNG)*

## Sub-group Differences

- **Men and women had very different views regarding renewable energy knowledge and renewable gas program adoption.**
  - Men were more likely to feel well-versed in renewable knowledge, have a belief that natural gas is a clean energy source, and that renewable gas is environmentally-friendly.
  - Women are more likely to believe global climate change is an issue, show a willingness to pay more for clean energy, and take energy issues into account during elections.
  - Additionally, women are more likely to show a willingness to support renewable gas programs like the one presented, are willing to pay more than men on average, and are interested in learning more.
- **Active Planet Savers and Energy Conscious are more in-tune with their environmental beliefs than their segment counterparts and are willing to put these beliefs into action.**
  - Both Active Planet Savers and Energy Conscious are more willing to pay more for clean energy and are very open to renewable program adoption compared to other consumer segments
  - They are even more likely to participate, if presented with their own personal environmental impact.

# Conclusions & Recommendations: *Renewable Natural Gas (RNG)*

## CONCLUSIONS:

Insiders would be interested in participating in a renewable energy program, and they would prefer to be billed monthly. However, the main barrier to adoption is distrust of the fund allocation and not being able to see how their contribution is making an impact.

## RECOMMENDATION:

1. Increase participation by emphasizing and better outlining the benefits of participation, such as the reduction of greenhouse gases and fossil fuel usage. Translating their impact into real-world terms would boost program adoption.
2. Provide evidence of fund allocation and what is being developed with this newly acquired revenue stream.

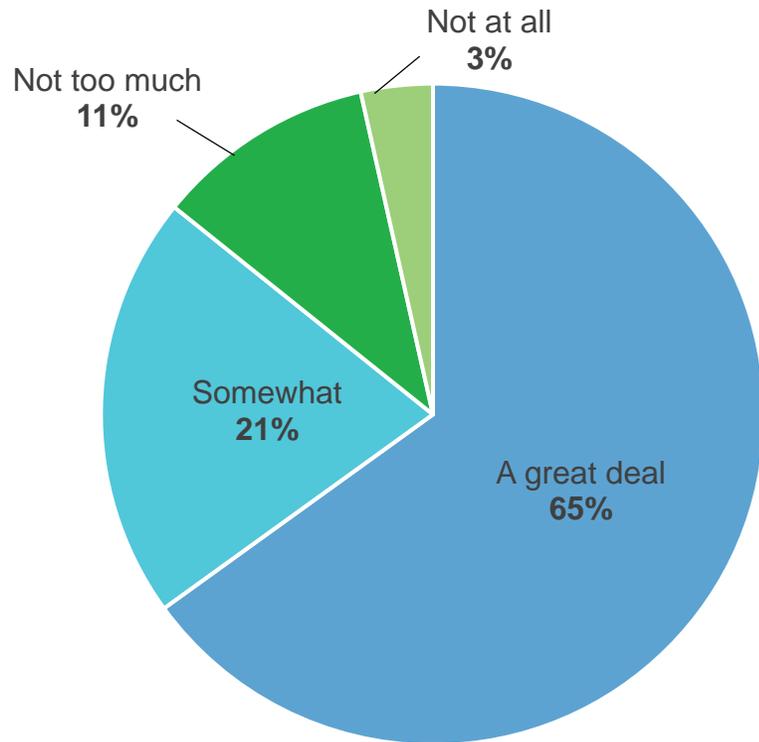


# Environmental Beliefs & Renewable Energy Knowledge

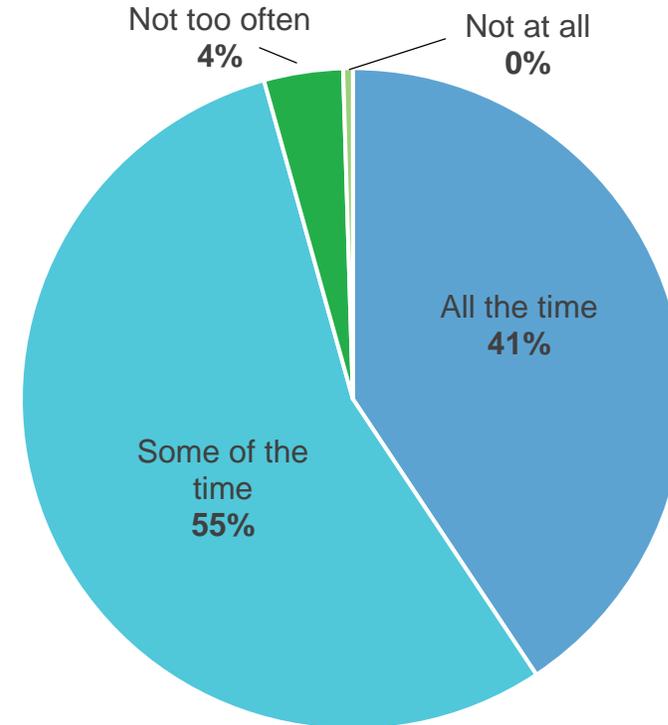
# Environmental Beliefs

Nearly 2-in-3 Residential Insiders believe global climate change is “a great deal.” Virtually all Residential Insiders try to live in ways that protect the environment at least some of the time.

## Belief in Global Climate Change



## How regularly do you try to live in ways that help protect the environment?

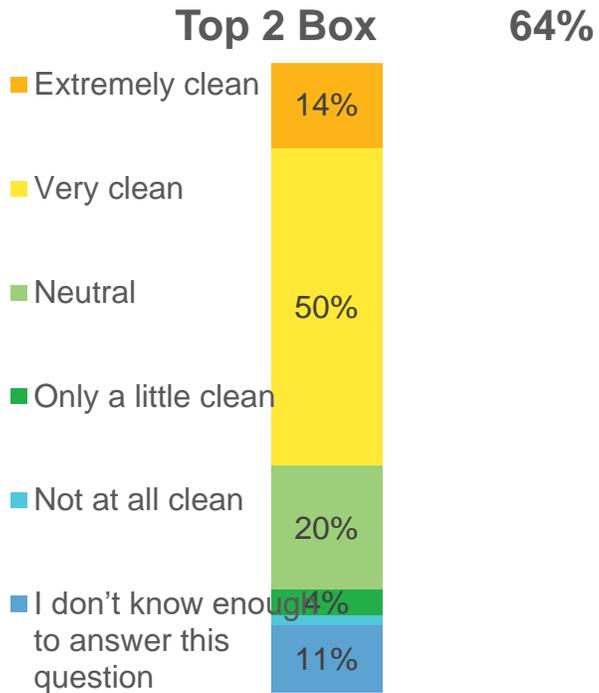


RES CIP October 2018 – [Renewable Natural Gas - Residential]  
Base: Total Respondents (858)  
Q1: To what degree do you believe in the issue of global climate change?  
Q2: How regularly do you try to live in ways that help protect the environment?

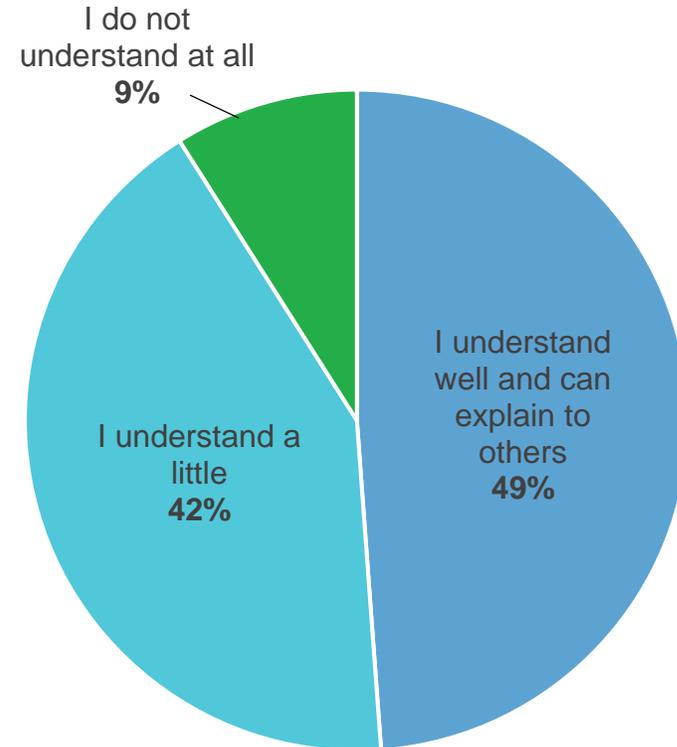
# Renewable Energy Knowledge and Perceived Natural Gas Cleanliness

About half of Residential Insiders believe they know enough to explain renewable energy to others. Less than 10% do not understand it at all. Further, nearly 2/3 believe natural gas is a clean form of energy.

## Natural Gas Cleanliness Beliefs



## Renewable Energy Knowledge



RES CIP October 2018 – [Renewable Natural Gas - Residential]  
 Base: Total Respondents (858)  
 Q3: How clean do you believe natural gas to be as an energy source?  
 Q4: How well do you understand the difference between renewable and non-renewable energy?

# Renewable Energy Description Exposure

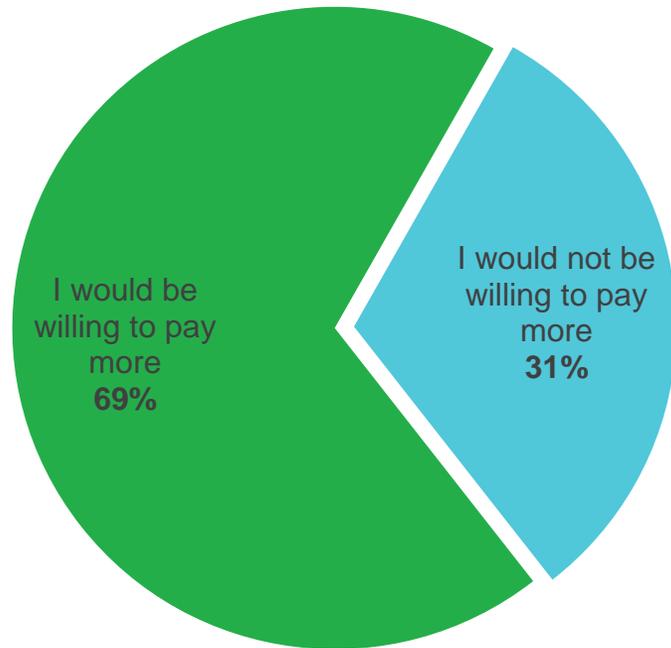
Residential Insiders were exposed to the renewable natural gas program description below before answering the following questions:

*“Renewable energy is energy generated from natural resources—such as sunlight, wind, rain, tides, human and agricultural waste and geothermal heat—which are renewable (naturally replenished). Renewable energy technologies range from solar power, wind power, hydroelectricity, and biofuels.”*

# Willingness to Pay More for Clean Energy

The overall willingness of Residential Insiders to pay a little more for clean energy is strong. Among those unwilling to pay more, there is a mix of distrust of fund usage, skepticism that they would reap cost savings once the technology was built out, and difficulty footing the bill due to current costs of living.

## Willingness to Pay More for Clean Energy



## Reasons for Unwilling to Pay More for Clean Energy

### Distrust in use of funds:

- “Because I do not believe that it would result in a “more stable and cleaner energy supply in the long term”. We have been promised that for years and it never happens; energy costs just keep going up.”
- “Because raising rates are part of the global warming fraud. use the money that you have in proper and productive ways and there will be more than enough money for all of these projects. stop the huge pension and benefit plans, pay people a decent but responsible salary, and use the profits to reinvest in upgrades and new tech. that’s the way a good business is run.”
- “Doubt very much funds will not go to the appropriate cause. another excuse to raise usage.”

### Skepticism that costs would not come back down once the technology is on board:

- “Because you do not mention that once the renewal energy is online and stable you will lower my bill, if I am willing to pay more I am expecting in the future that the price will be reduced.”
- “Costs should go down as the technology gets better.”

### Costs of living is already too high:

- “Energy costs are already a drain on my budget. renewable energy needs to just as affordable as other forms of energy - it should not just be a privilege for the economically advantaged.”
- “I need to keep costs down on all fronts. Cost of living keeps increasing and companies are not keeping the pay with wage payments. Unfortunate but true.”
- “California already charges enough for cost of living, I don’t think I could afford any more money towards bills at this point.”

RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Total Respondents (858)

Q5: If accelerating the growth of clean energy meant that consumers would have to pay a little bit more for energy, but in the long term would have a more stable and cleaner energy supply, which would you choose?

Base: Unwilling to pay more for clean energy (268)

Q5a: Why would you be unwilling to pay a little bit more for renewable energy, even if it meant a more stable and cleaner energy supply in the long term?

# Renewable Gas Exposure and Perceived Environmental-Friendliness

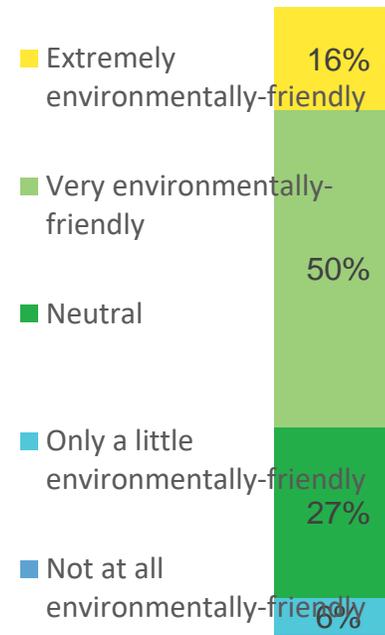
After being exposed to the following definition, two-thirds of respondents (66%) answered that renewable gas is environmentally-friendly.

Respondents were exposed to the following renewable gas description before answering this question.

*“Renewable gas, also referred to as renewable natural gas or biomethane, is natural gas produced from existing waste and a variety of renewable and sustainable sources, including animal waste, landfills, crop waste water and food waste.”*

## Environmental-friendliness of Renewable Gas

Top 2 Box 66%

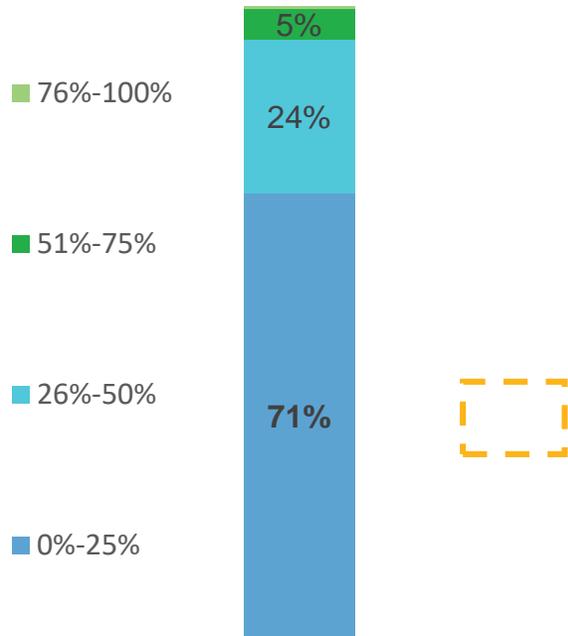


RES CIP October 2018 – [Renewable Natural Gas - Residential]  
Base: Total Respondents (858)  
Q6: How environmentally-friendly do you believe renewable gas to be as an energy source?

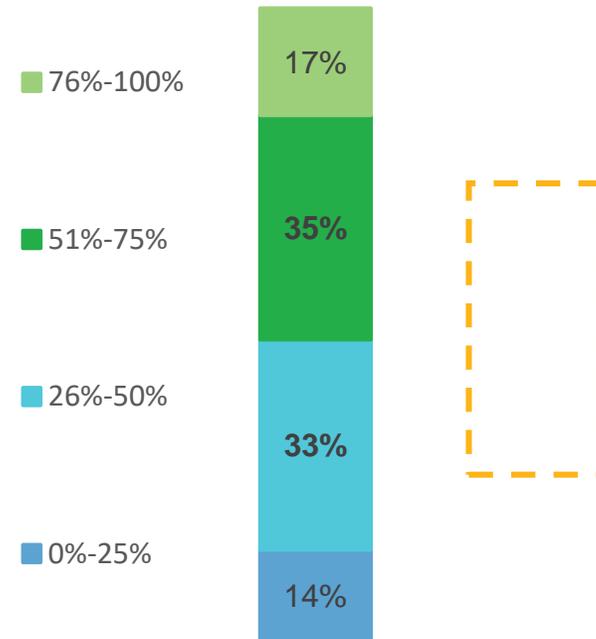
# Natural Gas Supply Knowledge and Beliefs

Most Residential Insiders (71%) correctly believe that renewable natural gas currently accounts for less than 25% of California's overall natural gas supply. It accounts for 16% in California. However, over 68% of Residential Insiders would like renewable natural gas to make up 26% - 75% of the state's supply.

## Renewable Gas as % of CA Natural Gas Supply



## The Right Amount of Renewable Gas as % of Natural Gas Supply



RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Total Respondents (858)

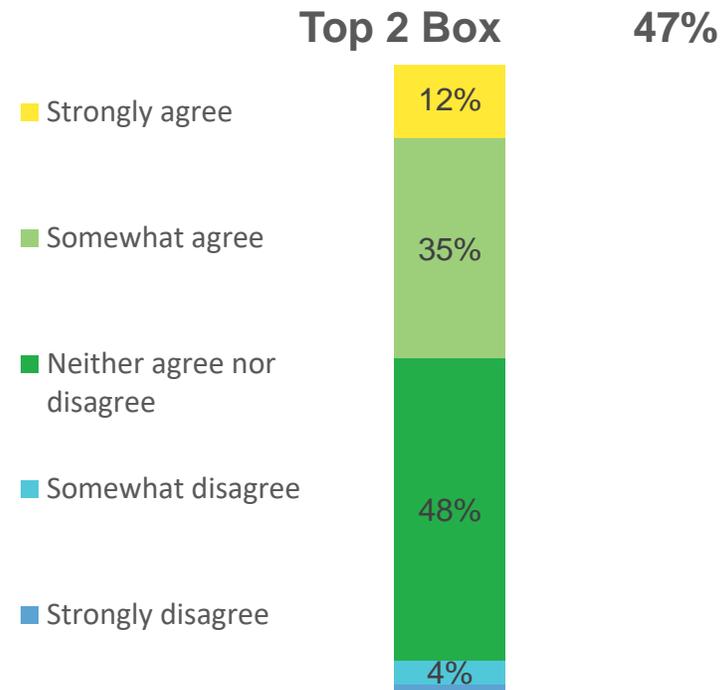
Q15 What percentage of California's natural gas supply do you believe currently comes from renewable sources like landfills, wastewater treatment, dairies, and farms?

Q16 What percentage of all natural gas used in California do you think is the right amount to generate from renewable sources like landfills, wastewater treatment, dairies, and farms?

# SoCalGas as a Renewable Energy Leader

Just under half of Residential Insiders agree that SoCalGas is a leader in renewable energy. Just as many do not have strong opinions either way.

## Agreement with: “SoCalGas is a leader in renewable energy.”



RES CIP October 2018 – [Renewable Natural Gas - Residential]

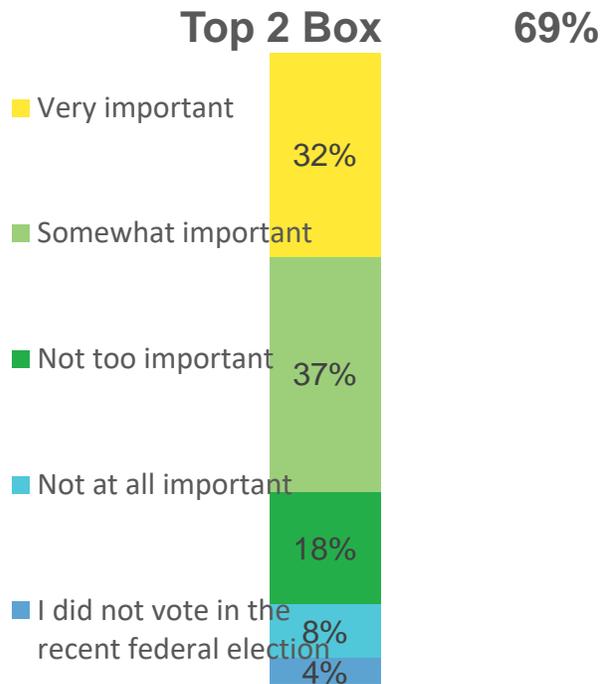
Base: Total Respondents (858)

Q17 How much do you agree or disagree with the following statement? “SoCalGas is a leader in renewable energy.”

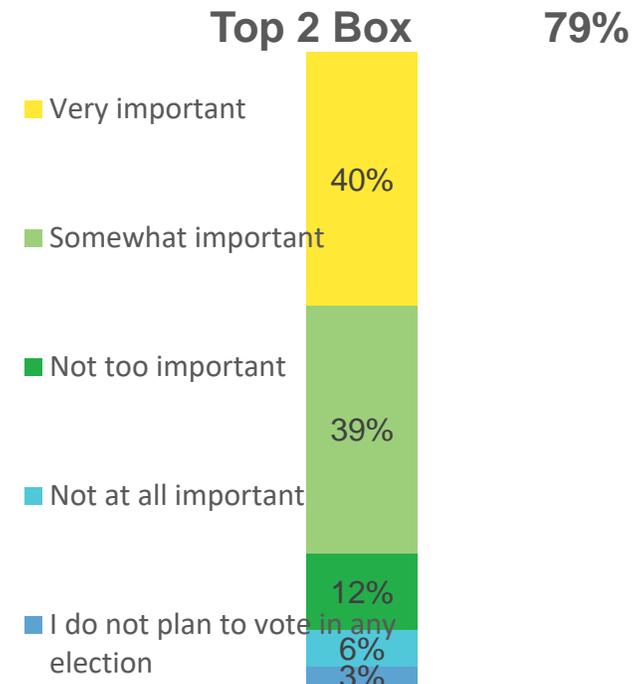
# Energy's Impact on Political Attitudes

Energy plays an important role in federal elections for over two-thirds of Residential Insiders. As such, it's not surprising that 79% believe it's important that their political candidates align with their energy beliefs.

## Importance of Energy in Federal Elections



## Importance of Energy Alignment with Political Candidates

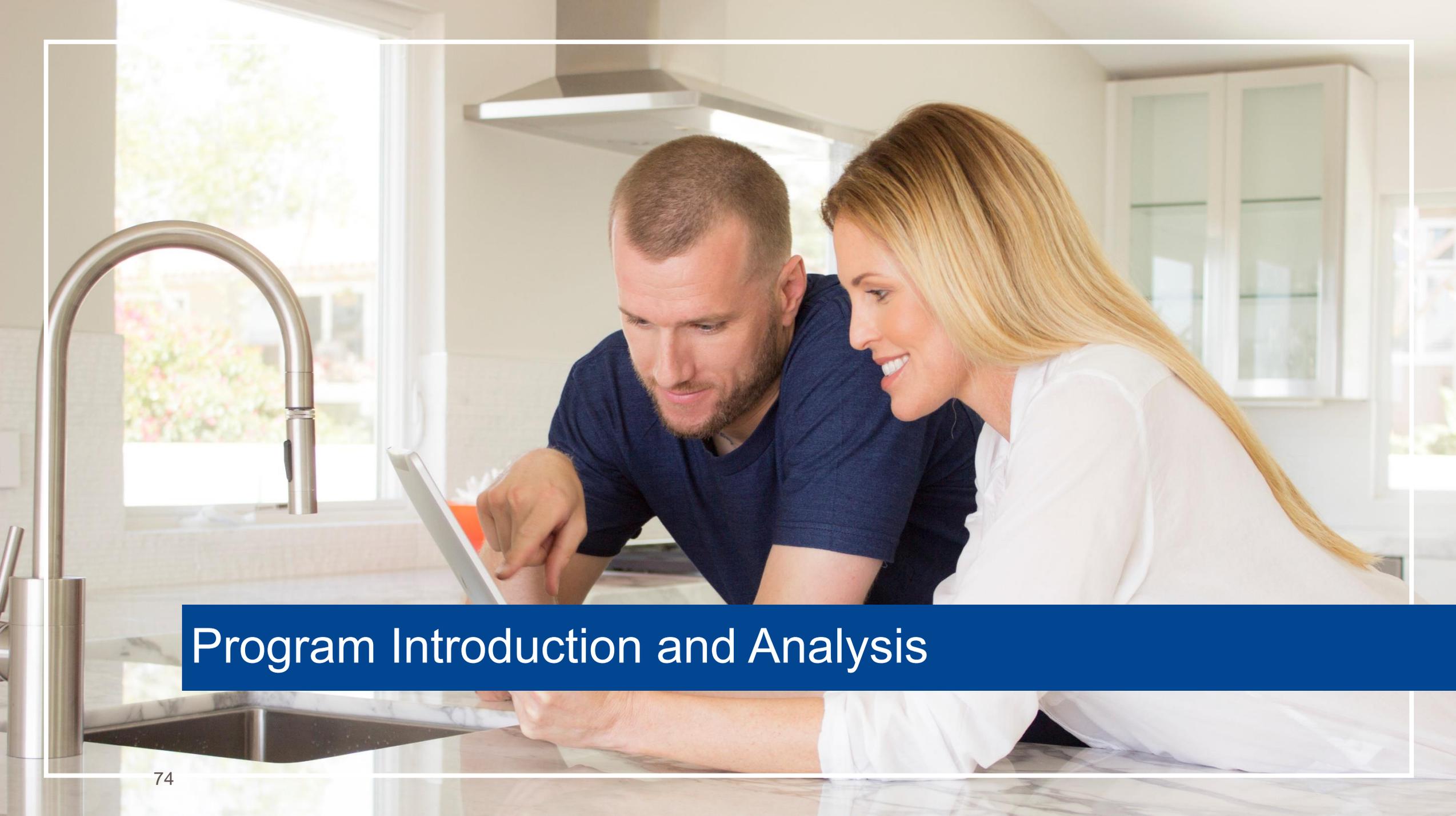


RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Total Respondents (858)

Q18 When thinking about the recent federal election, how important was the issue of energy to your vote?

Q19 When thinking about all elections (local, state, and federal), how important is it to you that a candidate for political office share your opinion on energy issues?

A man and a woman are in a kitchen, looking at a tablet together. The man is pointing at the screen while the woman smiles. They are standing at a kitchen counter with a sink and a window in the background.

## Program Introduction and Analysis

# Renewable Gas Program Exposure

Residential Insiders were exposed to the following renewable natural gas program description before answering the following questions:

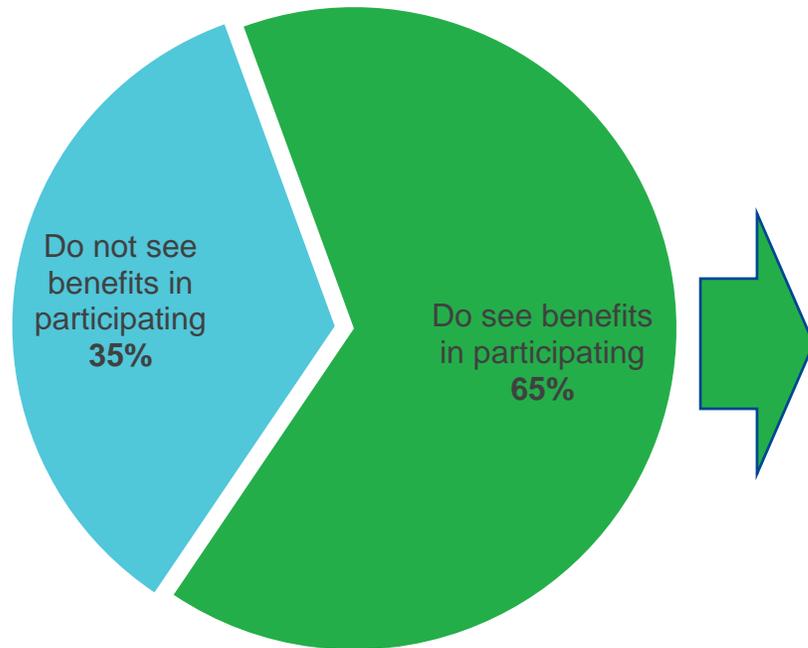
*“Today, renewable gas costs more to produce than traditional pipeline gas. SoCalGas is looking to develop an innovative program where customers can support the purchase of renewable gas at a premium cost and/or support the development of renewable gas projects. This will be a voluntary program and you could opt out at any time.”*

# Renewable Gas Knowledge & Program Benefits

Benefits Residential Insiders expect from a renewable gas program include helping the environment, growing awareness and adoption of the technology, and future costs savings as the technology becomes cheaper to implement.

## Benefits for Participating in a Renewable Gas Program

*Do you see any benefits of participating in a renewable gas program like this?*



### Expectation of cost savings over time:

- “Absolutely. We vote with our dollar. As more people opt in due to personal reasons the larger the volume of request could offset costs as more efficient and low cost options are created to serve the public interest.”
- “A benefit in addition to being a renewable gas is to further the understanding to others and hopefully increase the awareness this of programs like this find way to bring the cost down.”
- “By investing in renewable gas now, it can help develop methods that will cost less in the future.”

### Helping the environment/Better world for future generations:

- “Anything we can do to address climate change is a good start. one solution will not fix it all but a combination of many approaches may help.”
- “Benefits to our children and our planet!”
- “Longer lasting power. Better for the next generation. Cleaner air and environment. We won't run out of power.”
- “I would be doing my part to maintain the planet. there would be more choices for me, and the generations to come.”

### Grow awareness and adoption of the technology:

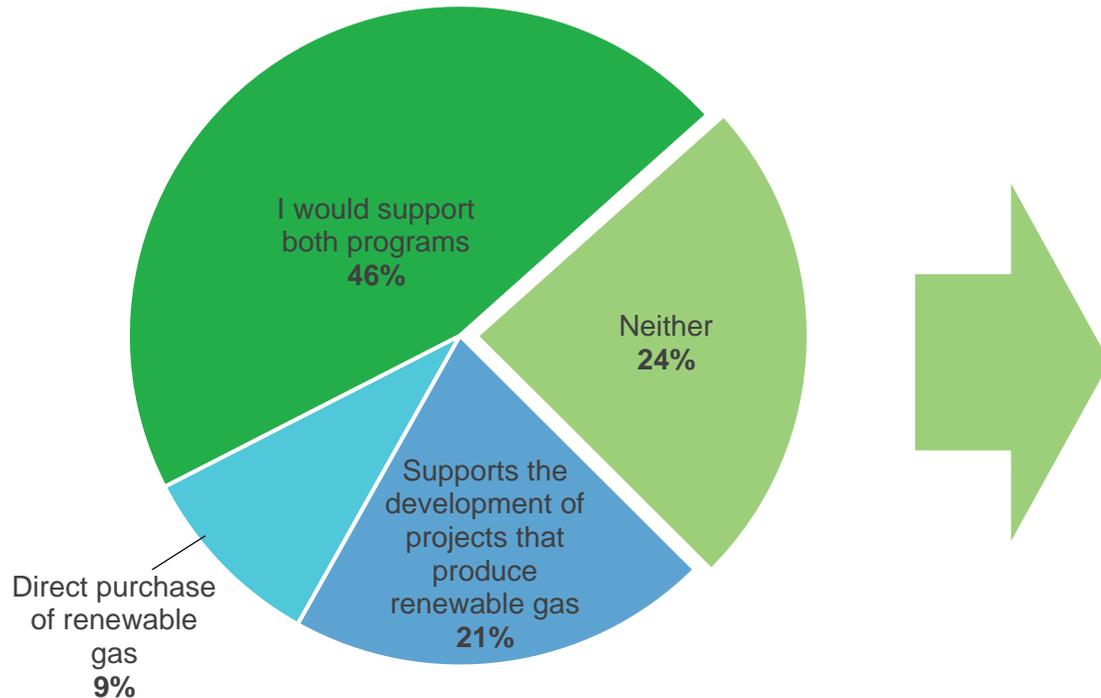
- “If it works well more people will use it which will help the environment.”
- “It brings about innovation and education for all.”
- “Participation would encourage further development which i think might be a good thing (if costs are reasonable).”

RES CIP October 2018 – [Renewable Natural Gas - Residential]  
Base: Those seeing a benefit to participating in a renewable gas program (561)  
Q7: Do you see any benefits of participating in a renewable gas program like this?

# Renewable Gas Program Interest & Barriers

Three-fourths of Residential Insiders would support at least one type of renewable gas program. Among those unwilling to support either, some mentioned current costs and an unwillingness to subsidize for-profit companies while others would just prefer to wait until the technology was further developed.

## Program Adoption



## Reasons for Unwillingness to Opt-in to Either Program

### Costs:

- “I am unlikely to support either project because it will make my gas bill go up. Even when the cost of renewable gas goes down, the price will never go down.”
- “I cannot afford the extra cost. If money was not an issue, I would absolutely opt in.”
- “There won't be an immediate return on my investment. The Millennials should be investing in these programs for their futures!”

### Would prefer to wait until the technology is proven:

- “I feel that I'd be paying for a product that I might not see in my life time. living paycheck to paycheck means I have to be frugal in things I financially support, whether I believe in them or not.”
- “Made a bad choice with solar when I thought it was the right thing to do.. maybe, I'd participate at a later time.”
- “I would want to wait until it become more widely used and that will drop the prices slightly. at first, it could be a lot of extra cost because so few will be participating.”

### Unwilling opt-in to programs from for-profit companies:

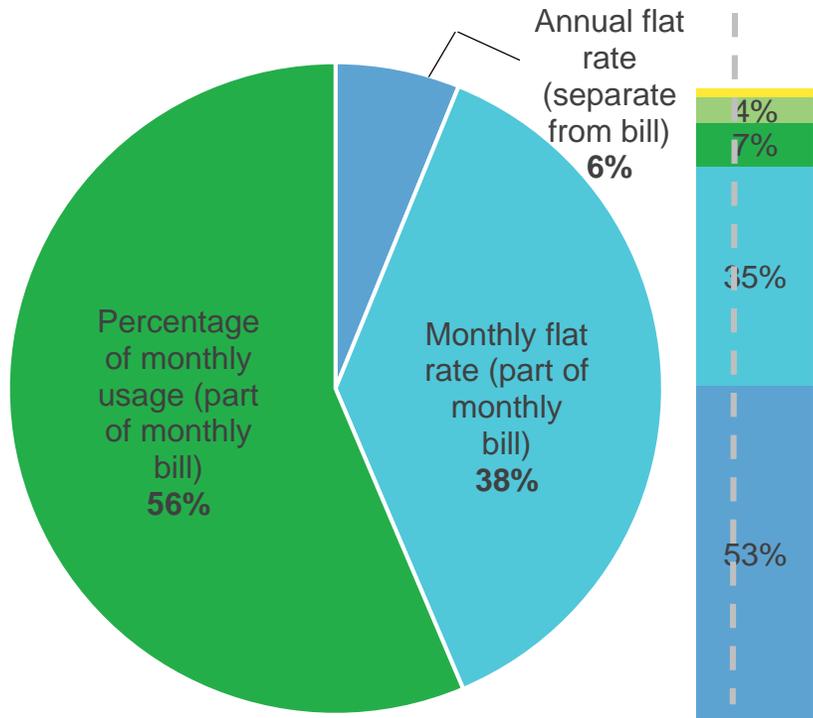
- “The technology already exists. the fact that utilities will have to change their infrastructure is not my direct concern.”
- “I think big corporations should pay not the average American.”
- “I'm not willing to pay for your future profit margins.”
- “My cost for utilities are high enough, why should I be asked to support the cost of your project?”

RES CIP October 2018 – [Renewable Natural Gas - Residential]  
 Base: Total Respondents (858)  
 Q8: Which type of program would you most likely opt-in to support?  
 Base: Unwilling to opt-in to either program (207)  
 Q8a: Why are you unlikely to opt-in to a renewable gas program?

# Renewable Gas Program Payment Preferences

Among those willing to participate, monthly billing is the preferred method, with most looking to pay \$10 or less.

## Payment Preference

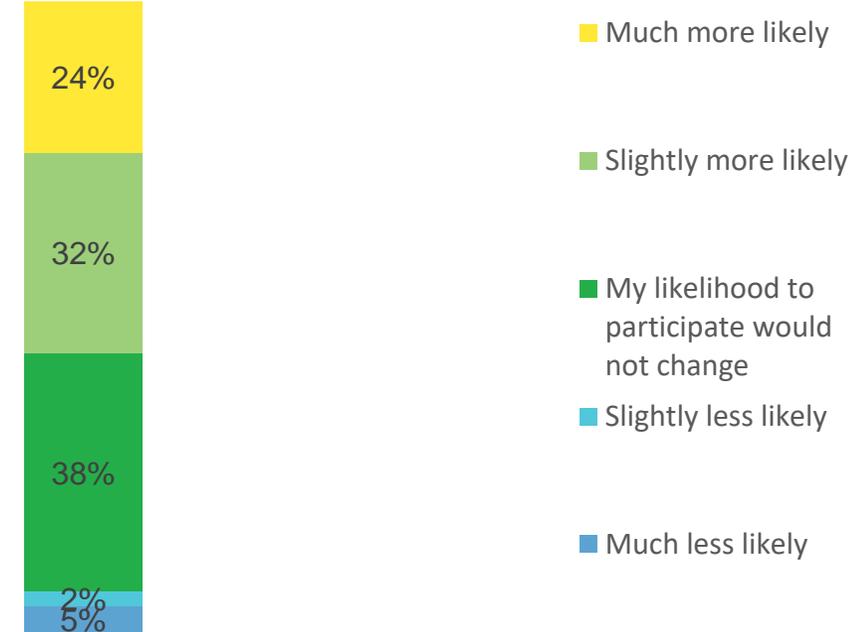


## Payment Amount



## Willingness to Participate if Personal Environmental Impact Known

**Top 2 Box 56%**



RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Those willing to support at least one renewable gas program (651)

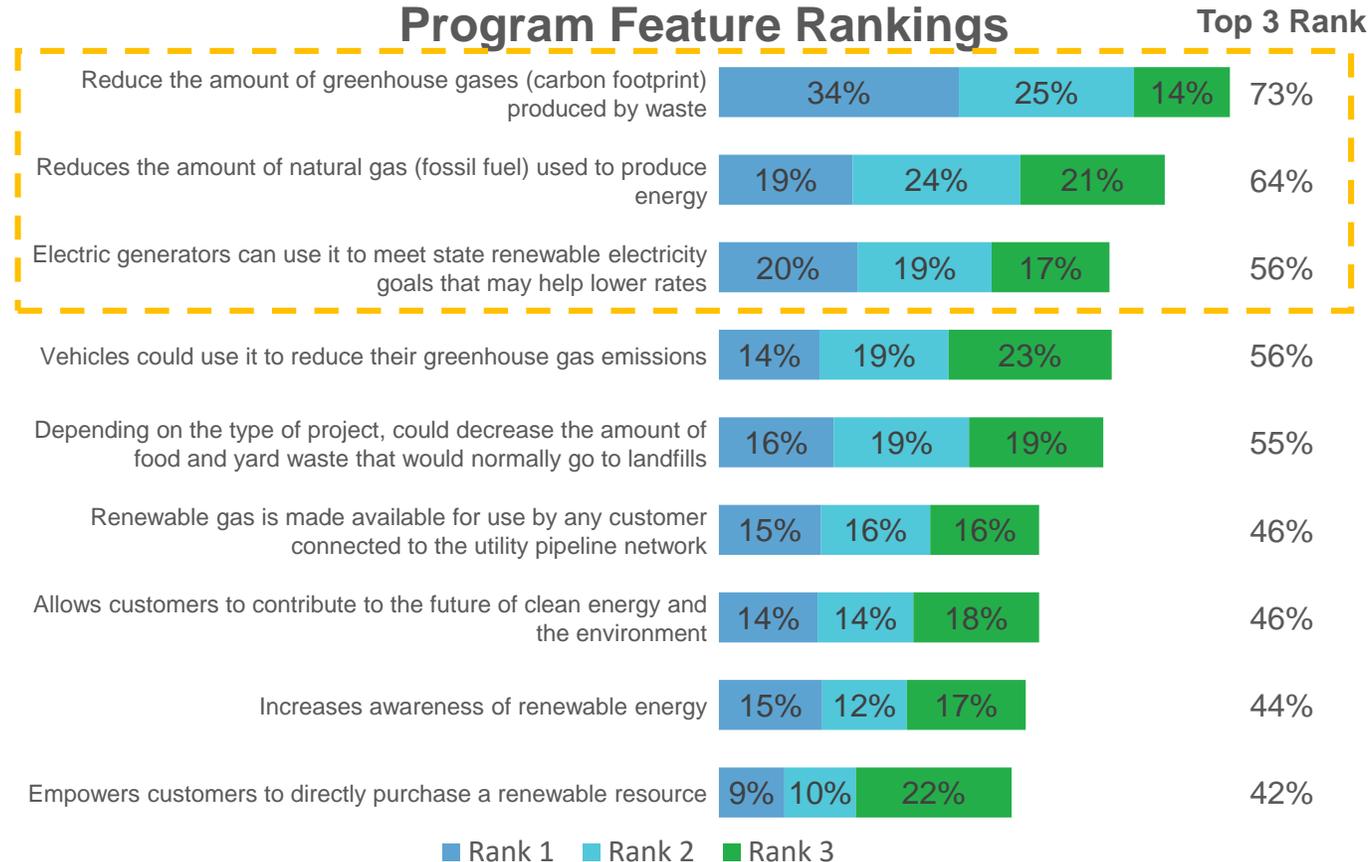
Q9: Imagine you were to opt-in to a renewable gas program that supports the development of renewable gas. How would you prefer to pay this additional cost?

Q10: Now, imagine that you are going to opt-in to pay a monthly flat rate for renewable gas as part of your monthly bill. How much more are you willing to pay per month for cleaner, renewable gas for your home?

Q11: If SoCalGas informed you of how your renewable energy contribution impacted the environment, how would that change your willingness to participate in a renewable energy program? For example: A \$10 contribution is the equivalent to removing 2 vehicles off the road!

# Renewable Gas Program Feature Rankings

Residential Insiders gravitate towards the RNG benefits that directly reduce our negative impact on the planet.



RES CIP October 2018 – [Renewable Natural Gas - Residential]

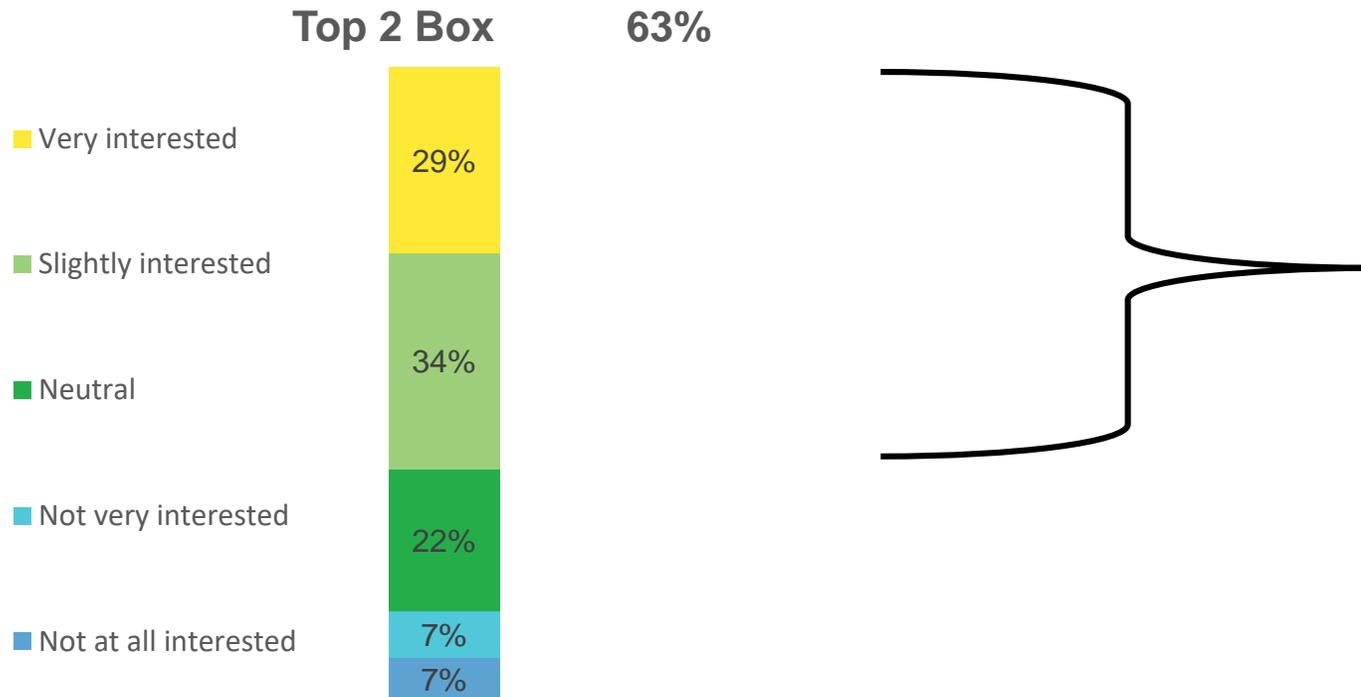
Base: Total Respondents (858)

Q12 Below is a list of benefits of participating in a Renewable Gas Program. Please rank the 5 benefits that are most important to you.

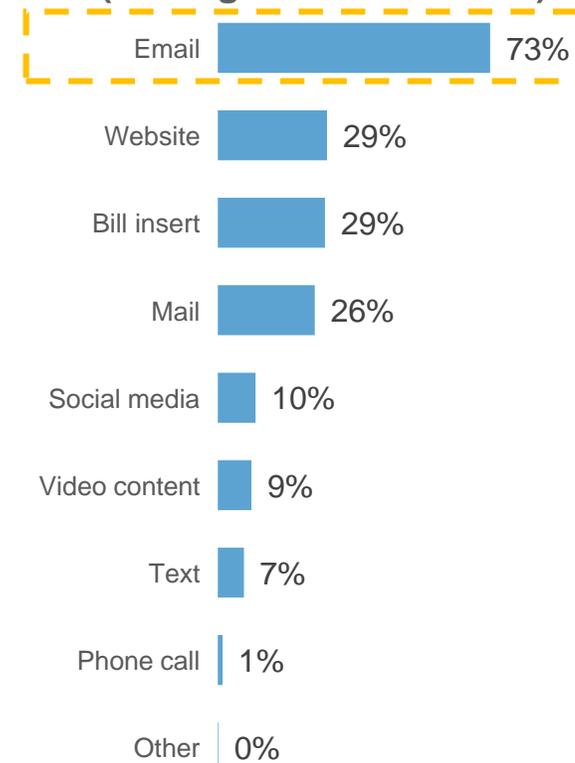
# Interest in Learning More & Preferred Contact Methods

63% of Residential Insiders would be interested in receiving more information about renewable gas programs, and most would prefer to receive these via email.

## Interest in Learning More about Renewable Energy Projects



## Preferred Method of Contact (Among those interested)



RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Total Respondents (858)

Q13 How interested would you be in receiving more information about renewable energy projects and offerings such as the ones described in today's survey?

Base: Those interested in receiving more information (545)

Q14 How would you like to receive information about renewable energy projects and offerings?

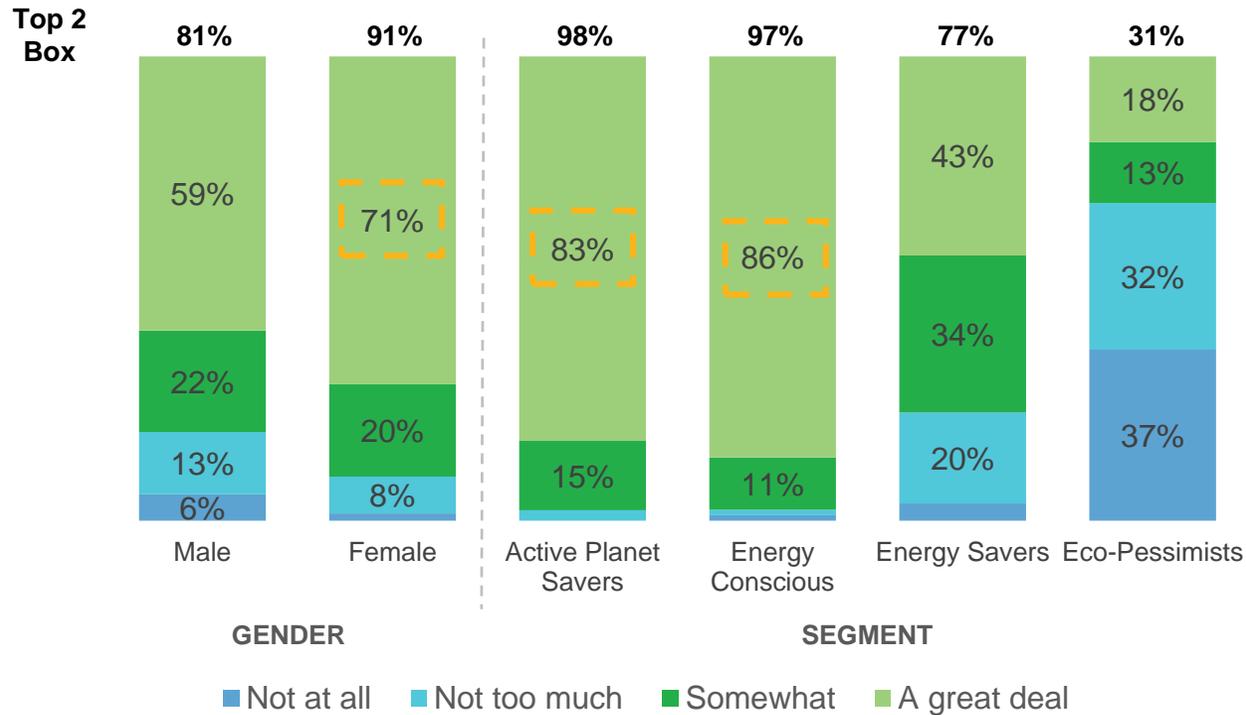


Further Renewable Energy Background

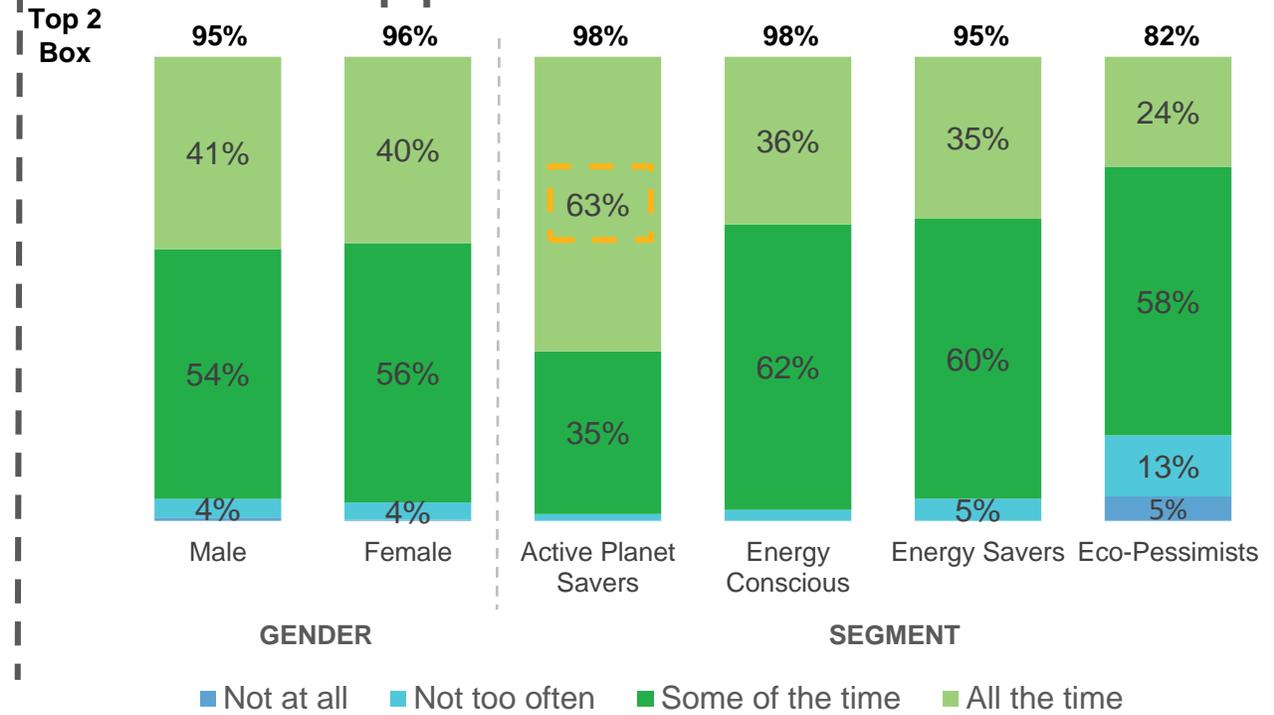
# Environmental Beliefs

Women are more likely to believe in global climate change. While both Active Planet Savers and Energy Conscious believe in global climate change, the former is much more likely to put these feelings into action.

## Belief in Global Climate Change



## How regularly do you try to live in ways that help protect the environment?



RES CIP    October 2018 – [Renewable Natural Gas - Residential]

Base:        Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q1:         To what degree do you believe in the issue of global climate change?

Q2:         How regularly do you try to live in ways that help protect the environment?

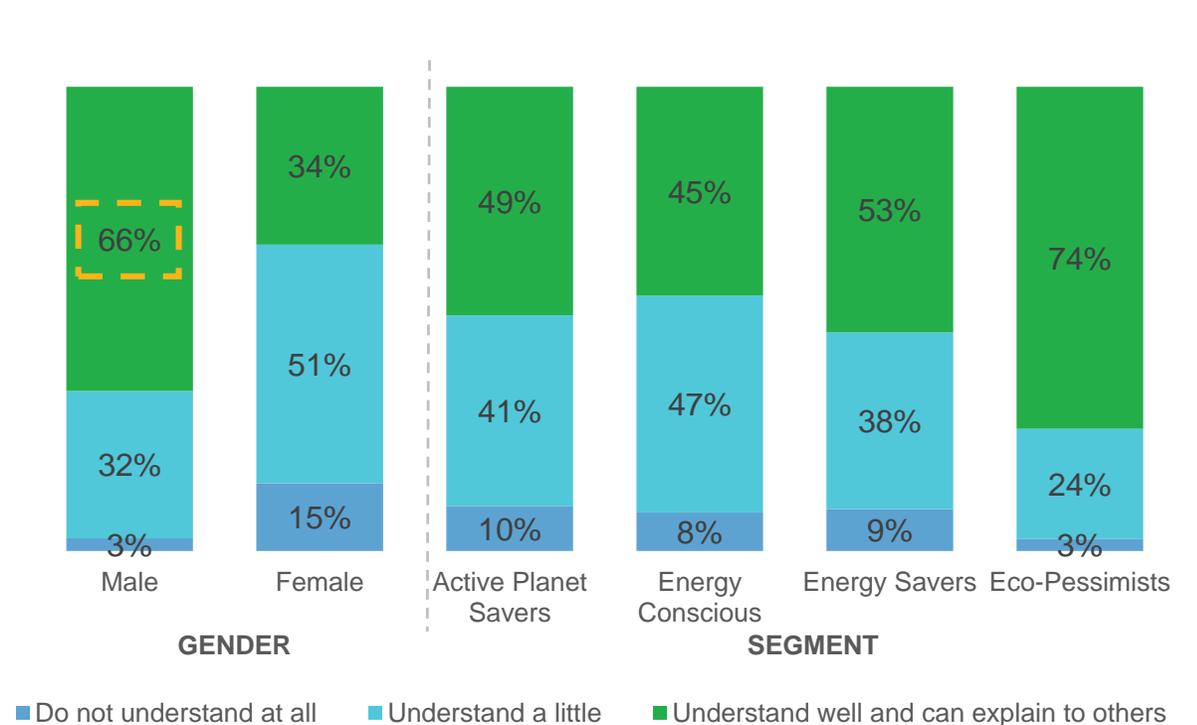
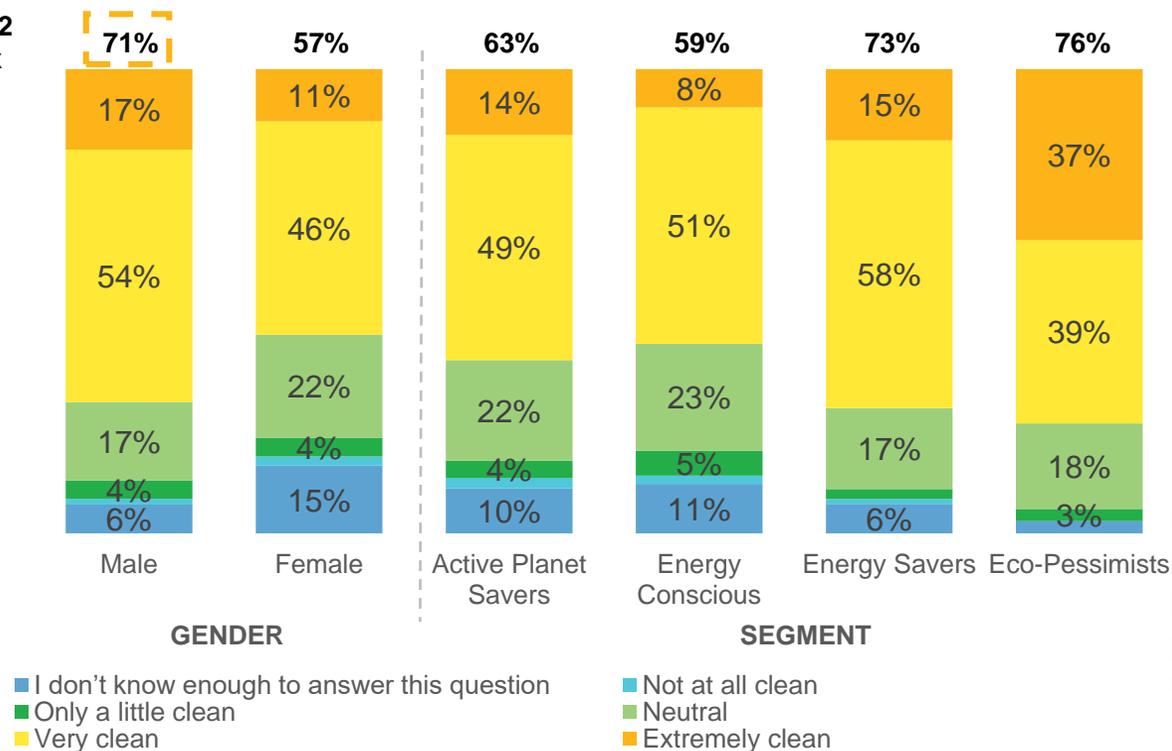
# Renewable Energy Knowledge

Men are more likely than women to believe natural gas is a clean source of energy, while Active Planet Savers and Energy Conscious are the least likely to believe this. Further, men are more likely than women to claim they understand renewable energy well enough to explain it to others.

## Natural Gas Cleanliness Beliefs

## Renewable Energy Knowledge

Top 2 Box



RES CIP October 2018 – [Renewable Natural Gas - Residential]

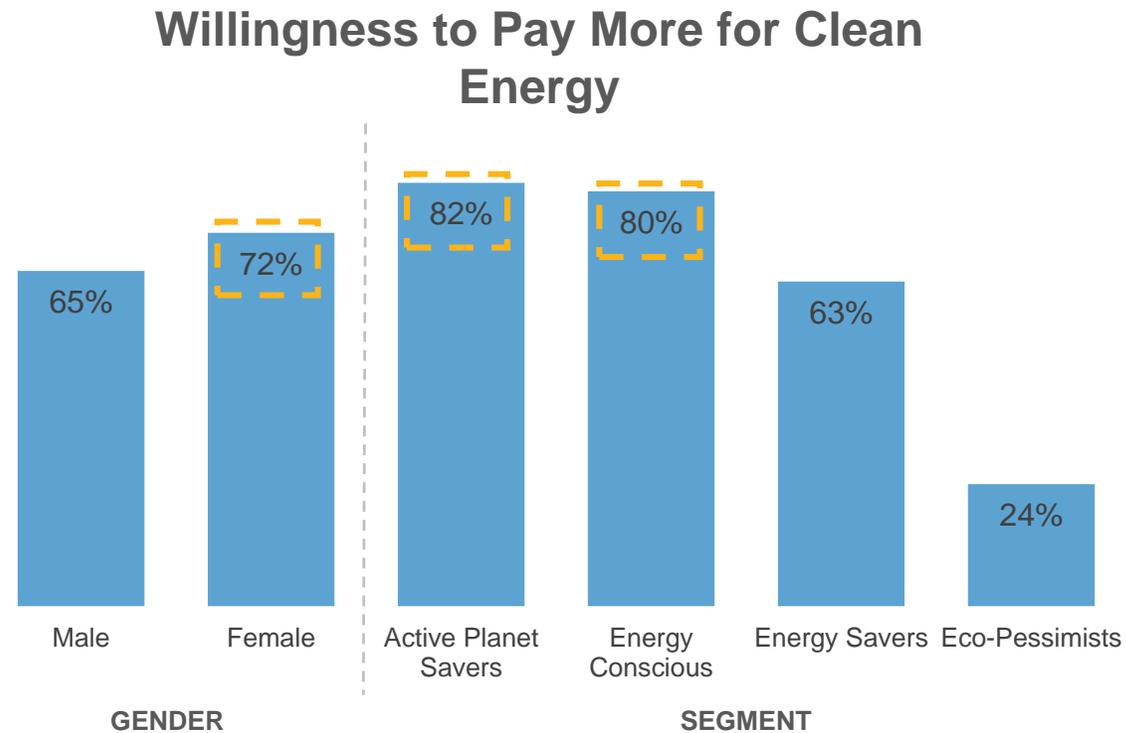
Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q3: How clean do you believe natural gas to be as an energy source

Q4: How well do you understand the difference between renewable and non-renewable energy?

# Willingness to Pay More for Clean Energy

Women and those within the Active Planet Savers and Energy Conscious segments are much more likely to state a willingness to pay a little more for clean energy versus their counterparts.



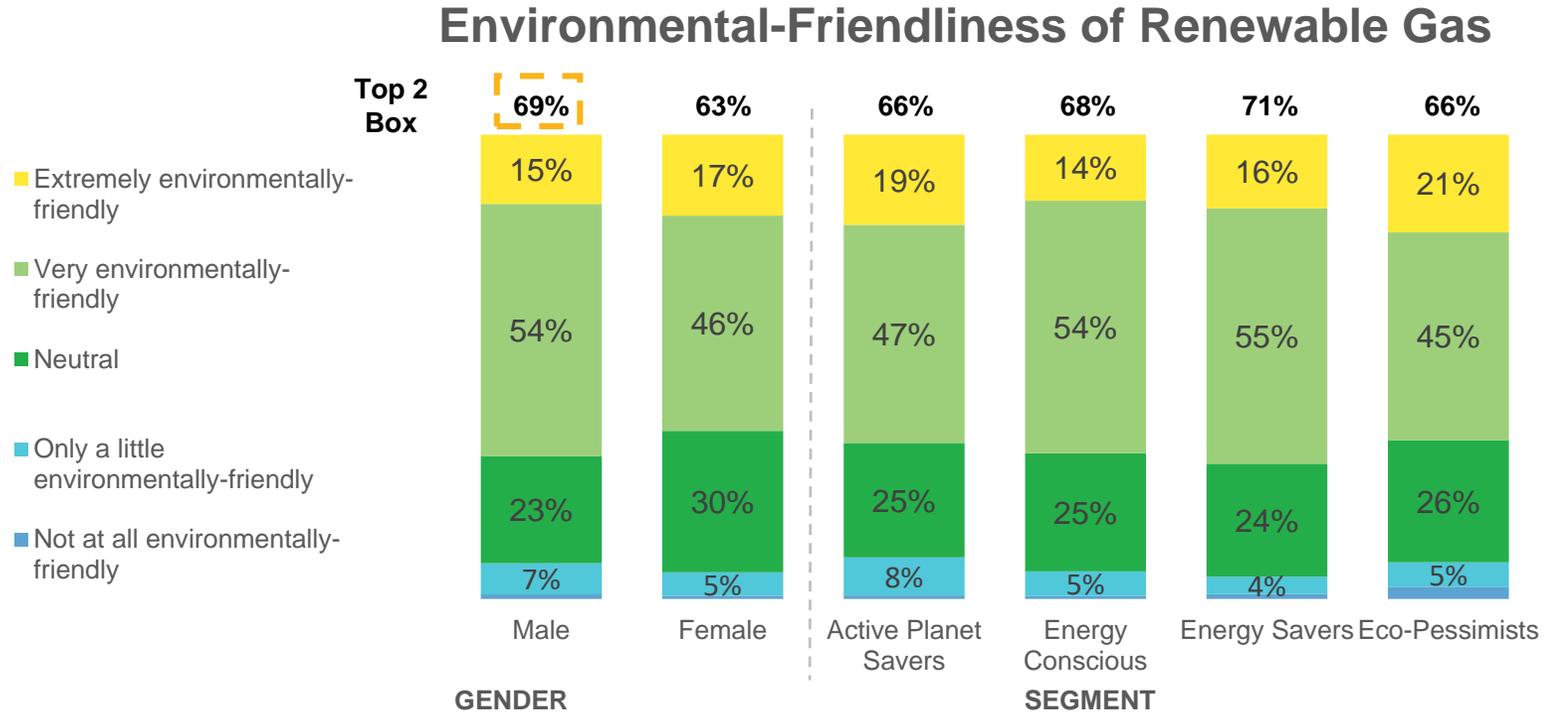
RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q5: If accelerating the growth of clean energy meant that consumers would have to pay a little bit more for energy, but in the long term would have a more stable and cleaner energy supply, which would you choose?

# Renewable Gas Environmental-Friendliness

Men are slightly more likely to believe renewable gas is environmentally-friendly.



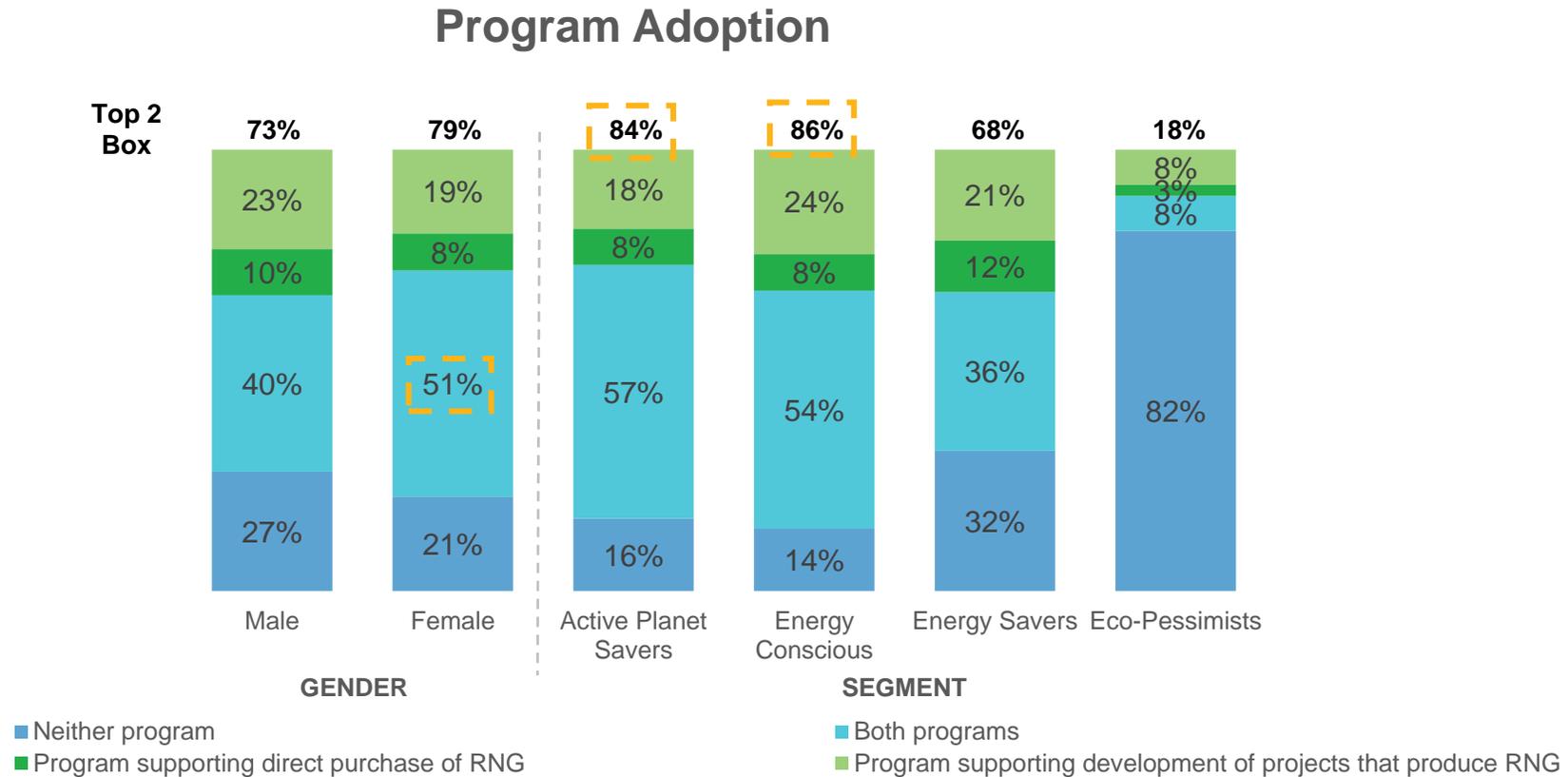
RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q6: How environmentally-friendly do you believe renewable gas to be as an energy source?

# Renewable Gas Program Interest & Barriers

Active Planet Savers and Energy Conscious are most likely to support any renewable gas program. Women are more likely than men to say they'd support both types of programs.



RES CIP October 2018 – [Renewable Natural Gas - Residential]

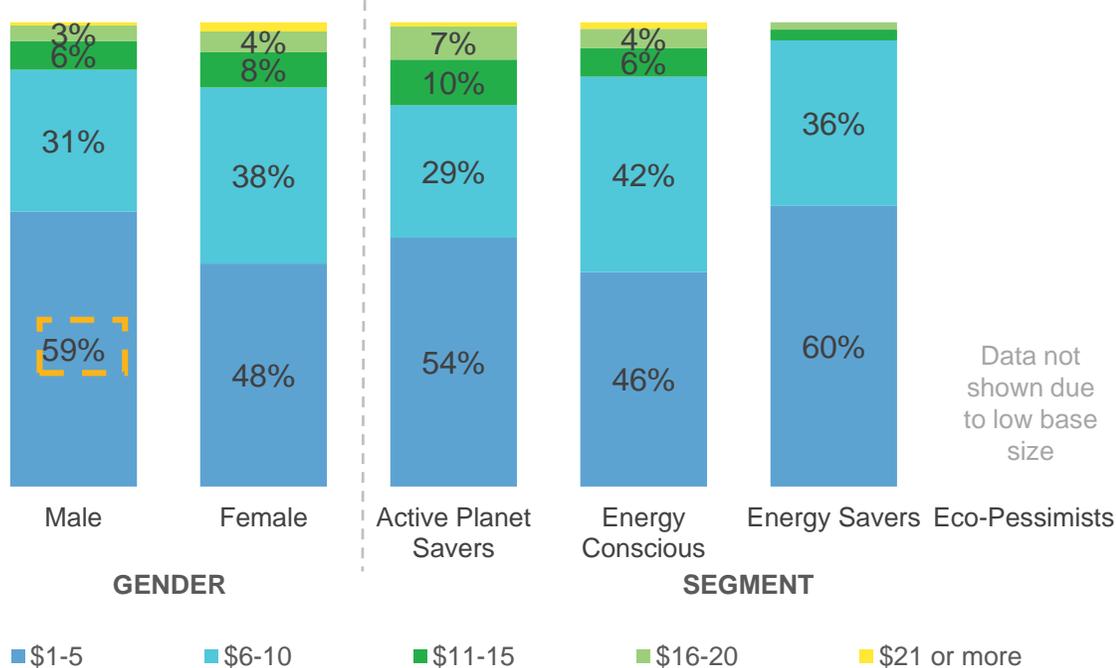
Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q8: Which type of program would you most likely opt-in to support?

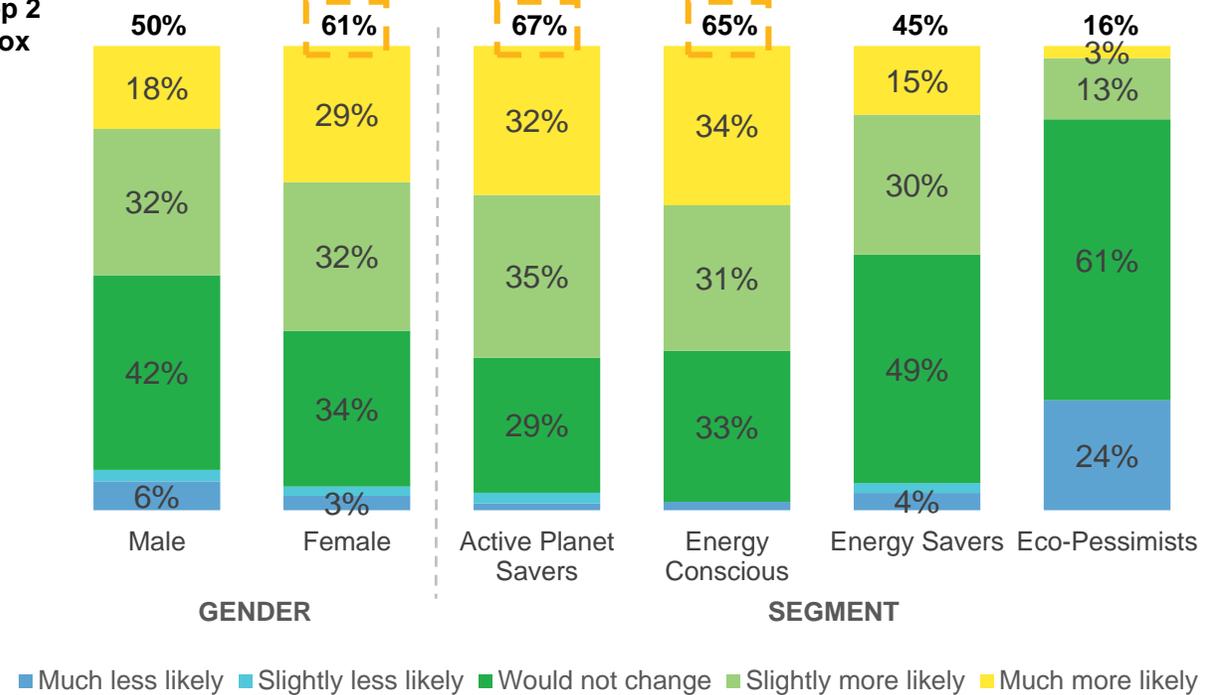
# Renewable Gas Program Payment Preferences

Men are more likely to only be willing to pay \$1-5 as compared to women. The latter as well as Active Planet Savers and Energy Conscious are more likely to be swayed by presenting them with their personal environmental impact.

## Payment Amount



## Willingness to Participate if Personal Environmental Impact Known



RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Those willing to support a renewable gas program: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (7\*\*)

Q10: Now, imagine that you are going to opt-in to pay a monthly flat rate for renewable gas as part of your monthly bill. How much more are you willing to pay per month for cleaner, renewable gas for your home?

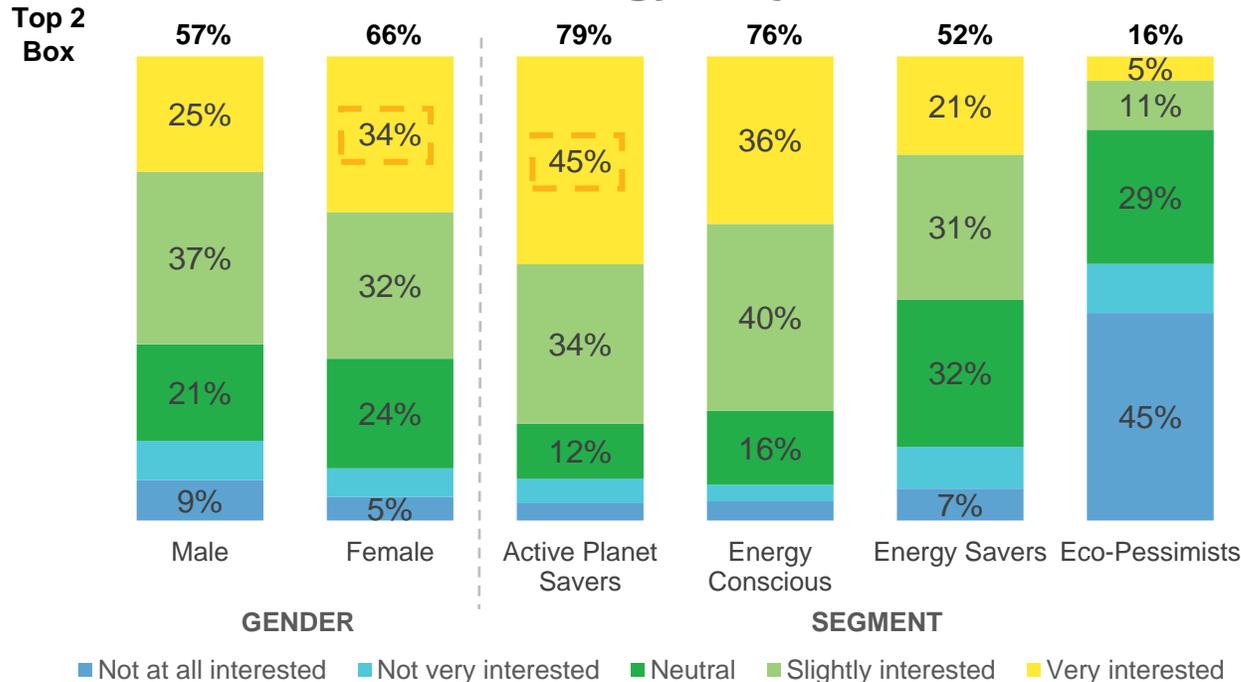
Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q11 If SoCalGas informed you of how your renewable energy contribution impacted the environment, how would that change your willingness to participate in a renewable energy program? For example: A \$10 contribution is the equivalent to removing 2 vehicles off the road!

# Interest in Learning More & Preferred Contact Methods

Women and Active Planet Savers are more likely to be very interested in learning more about renewable energy projects and offerings. Email is the preferred method among all Residential Insiders, especially men. Women are more likely to want info via mail and social media.

## Interest in Learning More about Renewable Energy Projects



## Preferred Method of Contact (Among those Interested)

	Male	Female	Active Planet Savers	Energy Conscious	Energy Savers	Eco-Pessimists
Email	78%	68%	72%	74%	74%	Data not shown due to low base size
Website	32%	27%	28%	36%	23%	
Bill insert	27%	30%	25%	27%	28%	
Mail	19%	32%	19%	25%	27%	
Video content	12%	7%	6%	9%	10%	
Social media	6%	13%	8%	8%	9%	
Text	6%	7%	6%	4%	6%	
Phone call	2%	1%	2%	0%	0%	

RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q13 How interested would you be in receiving more information about renewable energy projects and offerings such as the ones described in today's survey?

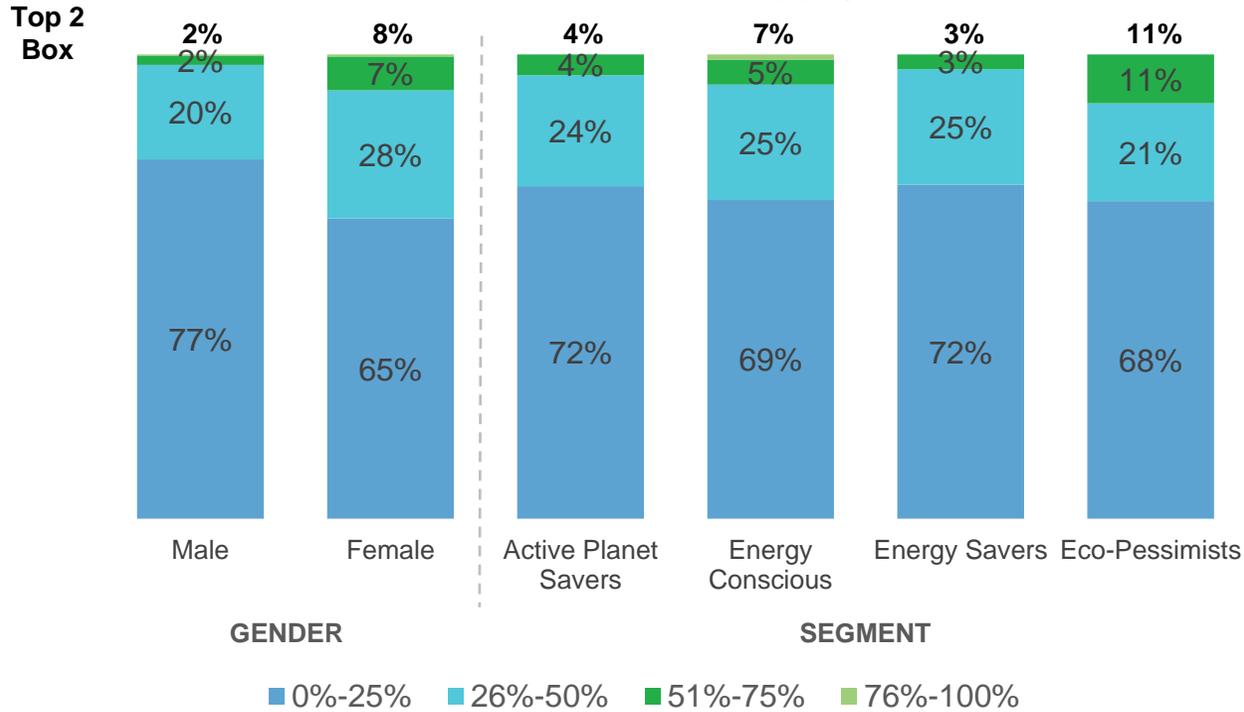
Base: Those interested in receiving more information: Male (250), Female (295); Active Planet Savers (106), Energy Conscious (129), Energy Savers (99), Eco-Pessimists (6\*\*)

Q14 How would you like to receive information about renewable energy projects and offerings?

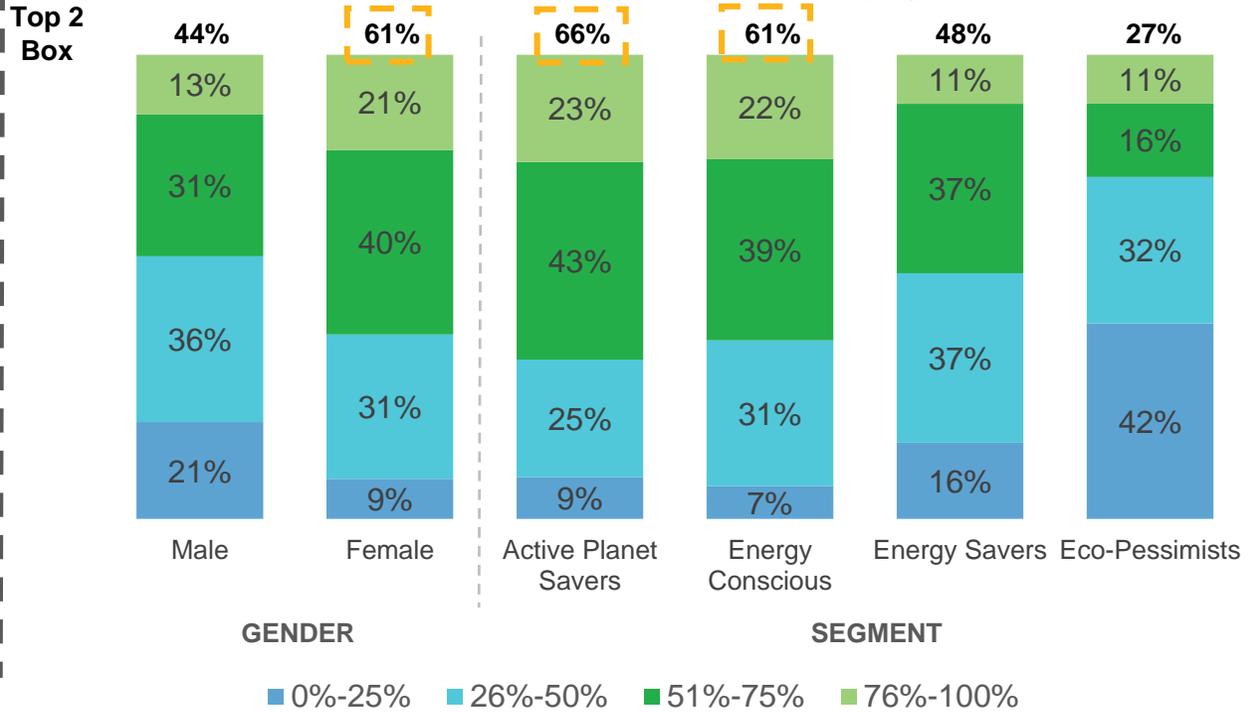
# Natural Gas Supply Knowledge and Beliefs

Although most Residential Insiders do not think renewable natural gas is a current major source of California's overall natural gas supply, nearly half believe it should be – driven by women, Active Planet Savers, and Energy Conscious.

## Renewable Gas as % of CA Natural Gas Supply



## The Right Amount of Renewable Gas as % of Natural Gas Supply



RES CIP October 2018 – [Renewable Natural Gas - Residential]

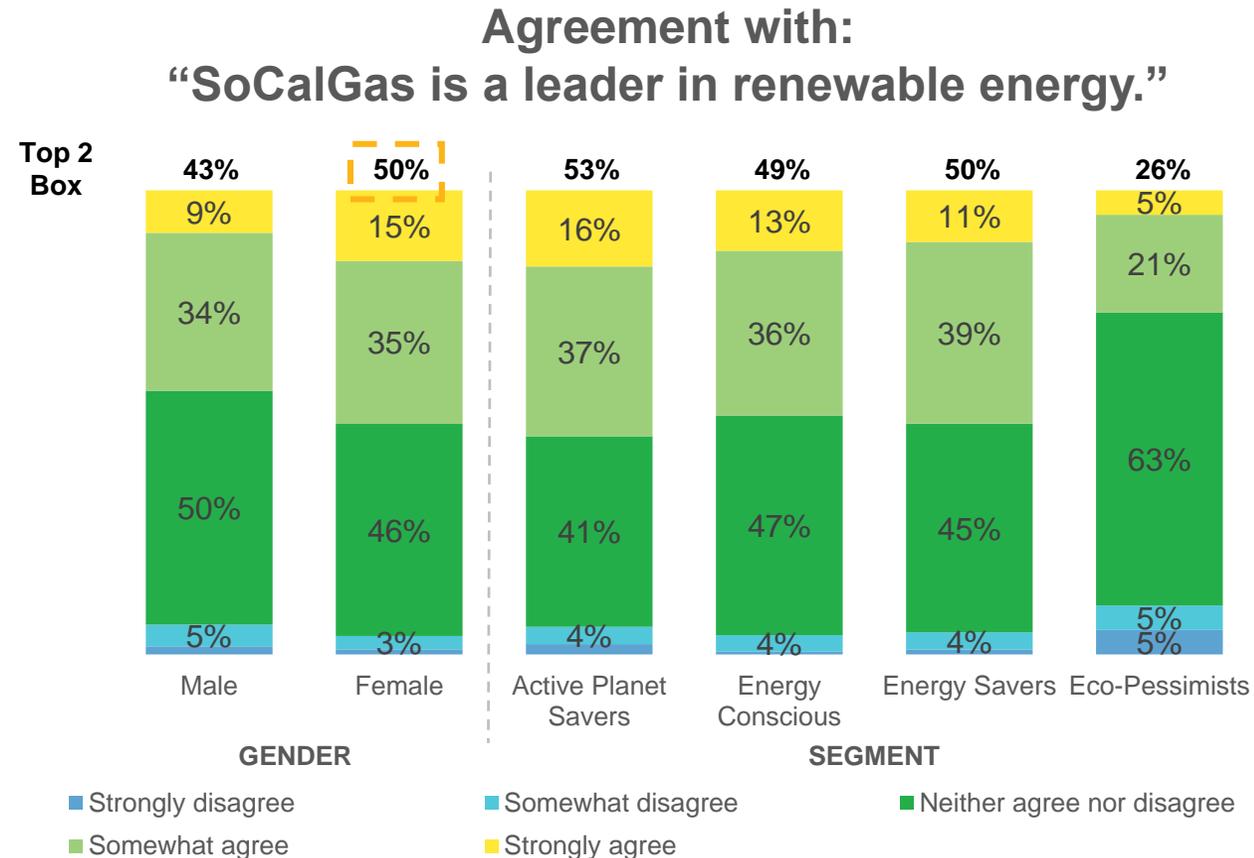
Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q15 What percentage of California's natural gas supply do you believe currently comes from renewable sources like landfills, wastewater treatment, dairies, and farms?

Q16 What percentage of all natural gas used in California do you think is the right amount to generate from renewable sources like landfills, wastewater treatment, dairies, and farms?

# SoCalGas as a Renewable Energy Leader

Women are slightly more likely than men to agree that SCG is a leader in renewable energy.



RES CIP October 2018 – [Renewable Natural Gas - Residential]

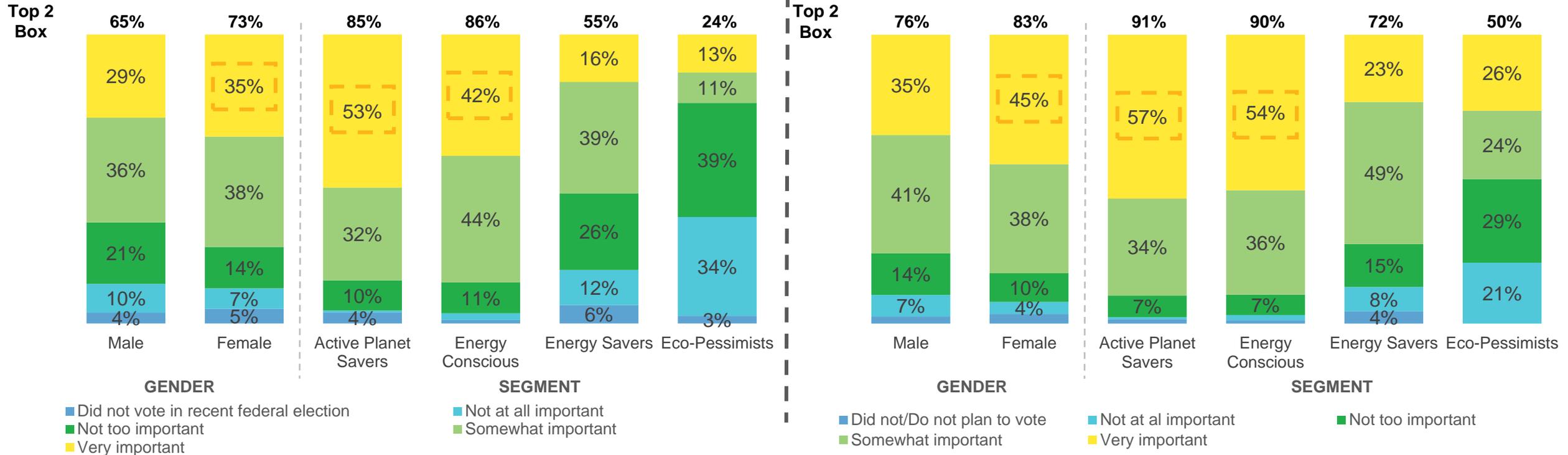
Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)  
Q17 How much do you agree or disagree with the following statement? “SoCalGas is a leader in renewable energy.”

# Energy's Impact on Political Attitudes

Active Planet Savers and Energy Conscious place a greater importance on energy issues when voting as compared to their counterparts. This is also true of women to a slightly lesser degree.

## Importance of Energy in Federal Elections

## Importance of Energy Alignment with Political Candidates



RES CIP October 2018 – [Renewable Natural Gas - Residential]

Base: Male (403), Female (453); Active Planet Savers (134), Energy Conscious (169), Energy Savers (189), Eco-Pessimists (38\*\* Caution, small base size)

Q18 When thinking about the recent federal election, how important was the issue of energy to your vote?

Q19 When thinking about all elections (local, state, and federal), how important is it to you that a candidate for political office share your opinion on energy issues?



# Demographics

# Demographics

## Age



18 to 24	<1%
25 to 34	6%
35 to 44	15%
45 to 54	21%
55 to 64	25%
65 to 74	25%
75 to 79	6%
80 years and older	2%

## Gender



47%



53%



My Account

82%



Paperless Billing

38%



CARE

37%

## Education



Some high school or less	1%
High School or GED	4%
Associate's Degree	7%
Vocational / Technical Degree	3%
Some College	19%
Bachelor's Degree	32%
Master's Degree	23%
PhD or Doctorate	8%
Prefer not to answer	3%

## Ethnicity



Caucasian	64%
Hispanic or Latino	13%
African-American	3%
Asian or Pacific Islander	9%
Native American	1%
Other	3%
Prefer not to answer	8%

## Household Type

Single Family – Detached House	70%
Condominium / Townhouse / Duplex	16%
Apartment	12%
Mobile Home	1%
Other	1%

## Household Ownership



Own 75%

Rent 25%

## Children in Household



Households with children 27%

Households without children 73%

## Household Income



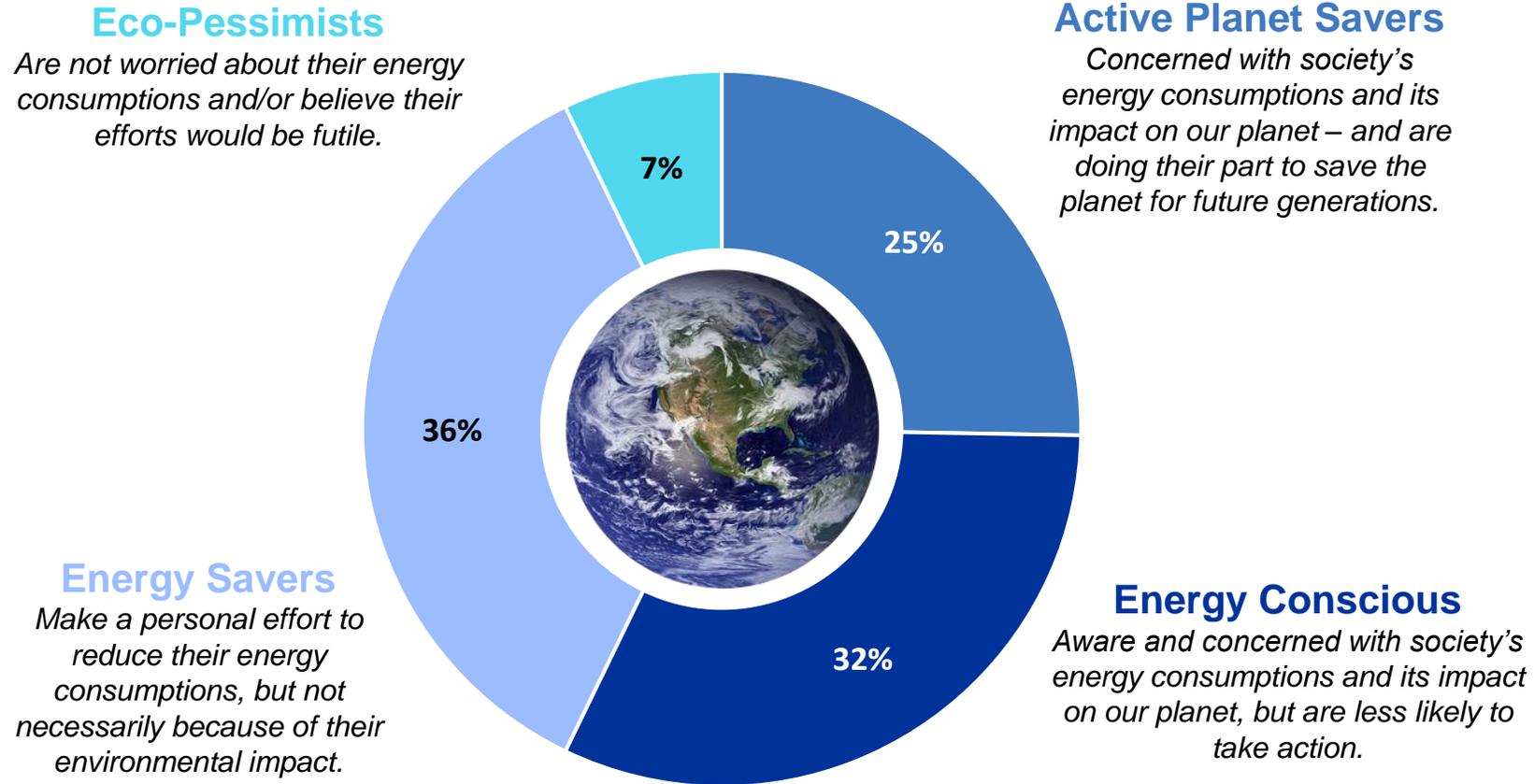
Less than \$55,000	22%
\$55,000 - \$99,999	24%
\$100,000 - \$149,999	16%
\$150,000 - \$199,999	8%
\$200,000 or more	7%
Prefer not to answer	23%

## DIY Comfort



Yes	92%
No	8%

# Energy Segmentation



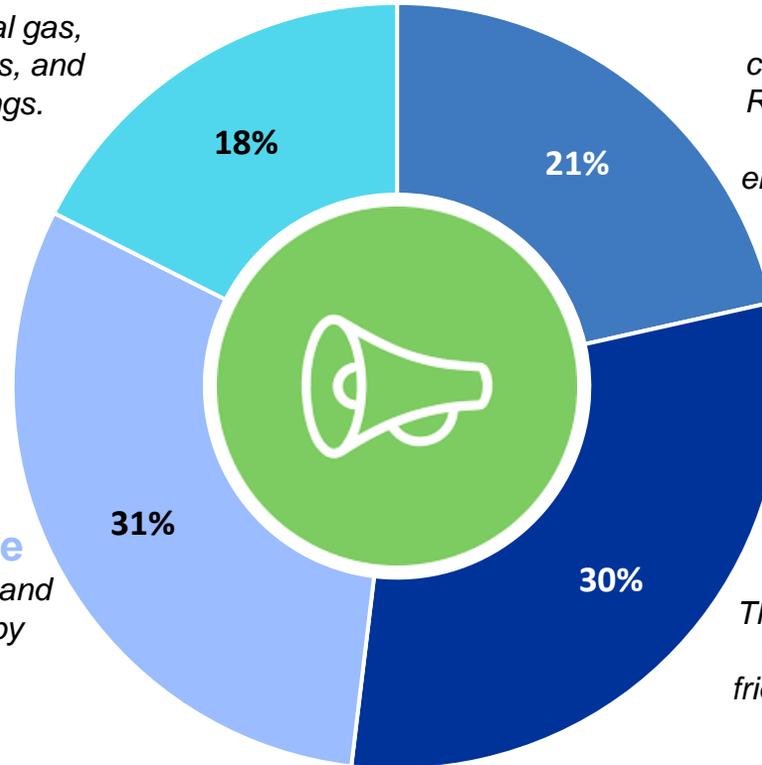
# Advocacy Segmentation

## Potential Ambassador

*Highest preference for natural gas, has access to elected officials, and attends community meetings.*

## World Changer

*Active in all politics. Access and contact elected officials often. These Residential Insiders lean more to the left, are more concerned with the environment, and try to advocate and engage as much as possible.*



## Silent and Passive

*Least interested in politics and are the least influenced by others.*

## Socially Involved

*They aren't afraid to share their views about causes they care about with friends, family, and colleagues, but are hesitant to take further action.*



# Appendix

# Methodology

An online survey was administered to the Residential Insider community, with the following details:

Field Start:	10/04/2018
Field End:	10/19/2018
Initial Send:	3455
Completions:	858
Completion Rate:	25%
Length of Survey:	7m, 17s



**SoCalGas**

A  Sempra Energy utility<sup>®</sup>

*Glad to be of service.<sup>®</sup>*

Renewable Natural Gas Study Results  
January 4<sup>th</sup>, 2019

SoCalGas Insiders Business Community

**FOR INTERNAL USE ONLY**

 The SoCalGas Insiders business community is a group of business customers who have agreed to participate in 3-4 brief online activities (i.e. surveys, discussions, quick polls) per month for a period of one year.

 As incentive, for every activity a panelist completes, they earn an entry into a monthly sweepstakes for an Amazon gift card.

 This marks the 10<sup>th</sup> year SoCalGas has conducted a customer insight panel.

 This year we invited 66,541 new customers and 640 existing panelists to be a part of the Business Insiders community – a join rate of 0.8%.

566  
Business  
Members



## SoCalGas Insiders Business Community Background

# Background & Methodology: *Renewable Natural Gas (RNG)*

## Background

The main objective of the *Renewable Natural Gas (RNG)* study is to measure the opinion of and interest in the RNG Program by:

- Better understanding environmental beliefs
- Gauging customer understanding of renewable energy and natural gas
- Evaluate the willingness to support RNG programs that directly purchase RNG versus those that support the development of projects that produce RNG
- Presenting a solution and analyzing customer feedback

# Executive Summary: *Renewable Natural Gas (RNG)*

## Environmental Beliefs

Most Business Insiders believe in global climate change “a great deal.”

- 93% of Business Insiders try to live in ways that help the environment and 65% are willing to pay more for clean energy.
- 35% are unwilling to pay more because expenses and overhead are already too high for small businesses. Further, they don't believe they should bear the out-of-pocket cost for these initiatives.
- While importance of energy in federal elections is high, it is much more important that they share their candidate's views on clean energy.
- A little over half (55%) believe that SoCalGas is a leader in renewable energy.

## Renewable Energy and Natural Gas Knowledge

A slight understanding of Renewable Energy is almost universal within the Business Insider community.

- Men are more likely than women to believe they understand renewable energy well and feel they are able to explain to others.
- Roughly 2 in 3 believe that natural gas is very clean and environmentally friendly.
- Business Insiders believe natural gas is being under-sourced from renewables such as landfills and wastewater.
  - The majority think 0%-25% is being sourced from renewables while most believe it should be 51%-75%.

## Renewable Gas Program Adoption

There is healthy interest in participating in a renewable gas program, with 59% seeing benefits in doing so.

- The most mentioned benefit is helping the environment for future generations by reducing the amount of produced greenhouse gasses.
- Over one-third of Business Insiders would opt-in to both the direct purchase program and development program.
- Interest in learning more is strong at 64% - their preferred method of contact would be through email (75%).
- Many Business Insiders believe their business is likely to invest in solar panels, but stray away from CHP as it is not yet an understood technology.

# Conclusions & Recommendations: *Renewable Natural Gas (RNG)*

## CONCLUSIONS:

Business Insiders believe in global climate change and try to do their part to protect the environment. They see further RNG adoption as a strong component to advancing these beliefs, but are hesitant to further adoption as they expect it to ultimately hurt their bottom line – they do not believe their customers would be influenced to spend more with them even if they were to promote their business’s positive environmental policies.

## RECOMMENDATION:

1. Explain and showcase the long-term benefits that help reduce the negative environment impact on our planet as Business Insiders – and how this could ultimately trickle back down to financial savings for their business.
2. Focusing on short-term financial benefits of RNG program adoption will directly speak to Business customers who are most opposed to the additional costs that affect their bottom line.

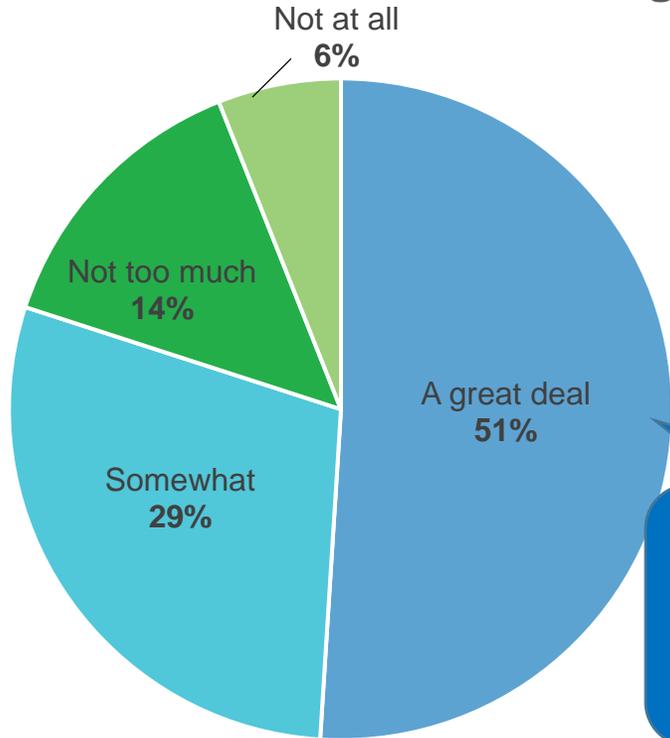


# Environmental Beliefs & Renewable Energy Knowledge

# Environmental Beliefs

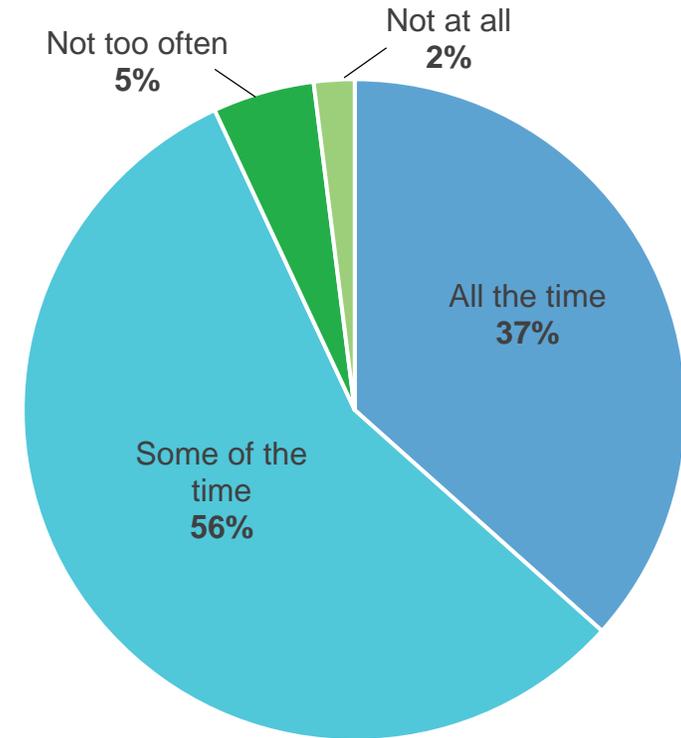
Half of Business Insiders believe in the issue of global warming “a great deal,” and 93% live in ways to help protect the environment at least some of the time.

## Belief in Global Climate Change



Larger businesses are slightly more likely to believe in global climate change “a great deal “ (57% large businesses vs. 48% small business).

## How regularly do you try to live in ways that help protect the environment?

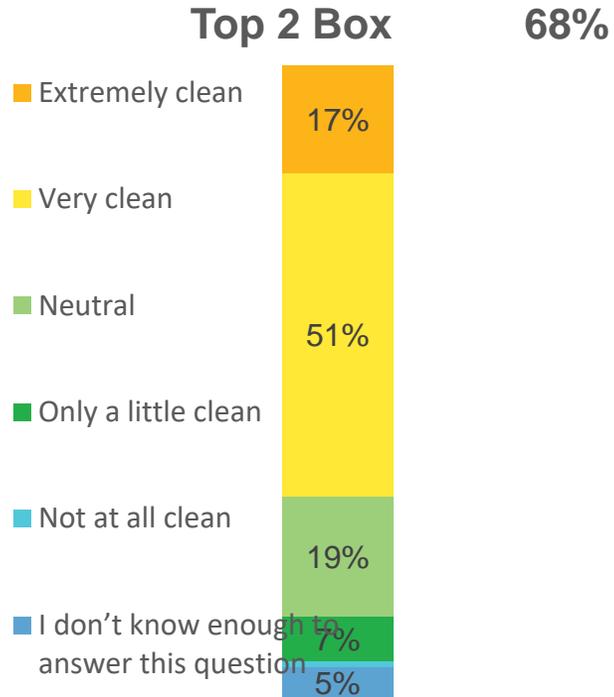


BIZ CIP October 2018 – [Renewable Natural Gas - Business]  
 Base: Total Respondents (175), 10+ employees (70), <10 employees (103)  
 Q1. To what degree do you believe in the issue of global climate change?  
 Q2. How regularly do you try to live in ways that help protect the environment?

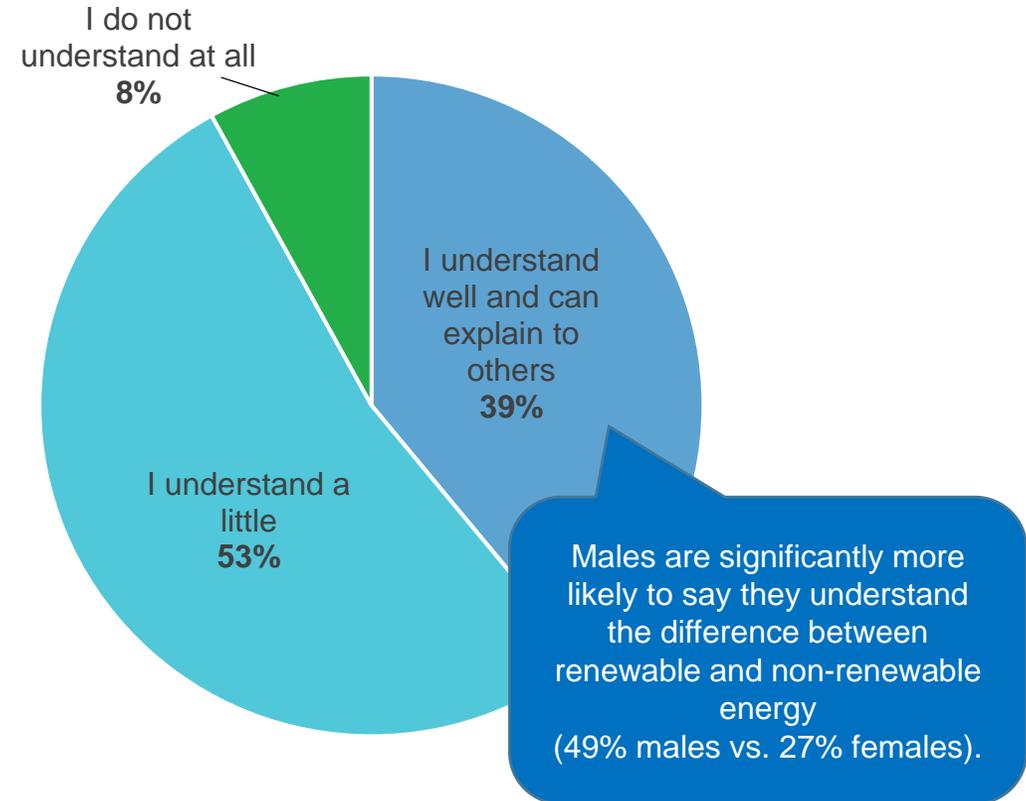
# Renewable Energy Knowledge and Perceived Natural Gas Cleanliness

The majority of Business Insiders (68%) believe that natural gas is at least “very clean” and the majority understand “only a little” regarding the difference between renewable and non-renewable energy.

## Natural Gas Cleanliness Beliefs



## Renewable Energy Knowledge



BIZ CIP October 2018 – [Renewable Natural Gas - Business]  
 Base: Total Respondents (175), Males (67), Females (92)  
 Q3: How clean do you believe natural gas to be as an energy source?  
 Q4: How well do you understand the difference between renewable and non-renewable energy?

# Renewable Energy Description Exposure

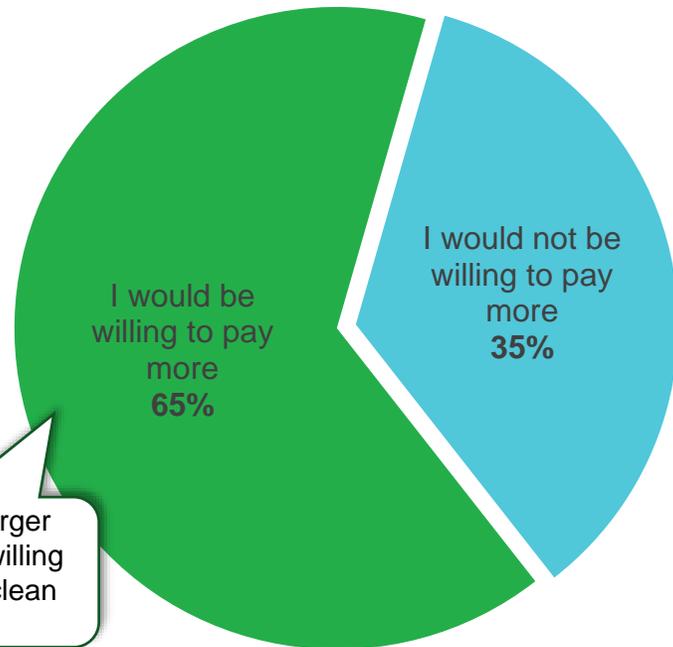
Business Insiders were exposed to the renewable natural gas program description below before answering the following questions:

*“Renewable energy is energy generated from natural resources—such as sunlight, wind, rain, tides, human and agricultural waste and geothermal heat—which are renewable (naturally replenished). Renewable energy technologies range from solar power, wind power, hydroelectricity, and biofuels.”*

# Willingness to Pay More for Clean Energy

Nearly 2 in 3 Business Insiders are willing to pay more for clean energy. However, there are specific reasons as to why 35% are not willing, including costs already being too high for small businesses.

## Willingness to Pay More for Clean Energy



Females and Larger Businesses are willing to pay more for clean energy.

BIZ CIP October 2018 – [Renewable Natural Gas - Business]

Base: Total Respondents (175)

Q5. If accelerating the growth of clean energy meant that consumers would have to pay a little bit more for energy, but in the long term would have a more stable and cleaner energy supply, which would you choose?

Base: Unwilling to pay more for clean energy (62)

Q5a. Why would you be unwilling to pay a little bit more for renewable energy, even if it meant a more stable and cleaner energy supply in the long term?

## Reasons for Unwilling to Pay More for Clean Energy

### Costs are too high:

- “Already pay for renewable with PPA solar. Technology needs to be designed where it is break-even or reduced cost to incentivize everyone. For our organization, power is already a very painful cost to bear.”
- “As a small church (non-profit), costs are always of concern. We try to steward our resource of \$ well.”
- “Most small businesses like mine are constantly being hit with cost increases from all sides; including rents, fees, permits, insurances, licenses, etc. can’t afford another increase.”
- “We already are burdened by the cost of everything; we can barely pay our current bills and keep our staff satisfied with their salaries. Every dollar hits our bottom line; we have no big corporate financial ‘cushion’ as a small business.”

### Don’t believe they should be responsible for increased costs:

- “Because if it is less in capturing the wind rain and sun than we shouldn't pay more. At the end the utility company would save money because they would be using less of their created energy and save stop passing on to consumers. Look at our bills they are way to high. It is gouging.”
- “We run on donations and, if we would be using natural energy, why would we need to pay more for the wind, sun, etc.?”

# Renewable Gas Exposure and Perceived Environmental-Friendliness

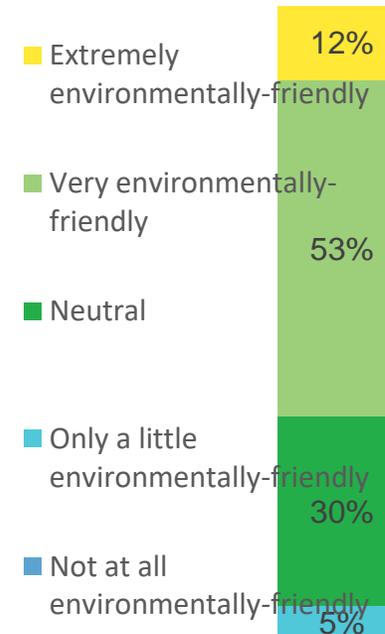
Roughly 2 in 3 (65%) believe renewable gas is environmentally-friendly.

Respondents were exposed to the following renewable gas description before answering this question.

*“Renewable gas, also referred to as renewable natural gas or biomethane, is natural gas produced from existing waste and a variety of renewable and sustainable sources, including animal waste, landfills, crop waste water and food waste.”*

## Environmental-Friendliness of Renewable Gas

Top 2 Box 65%

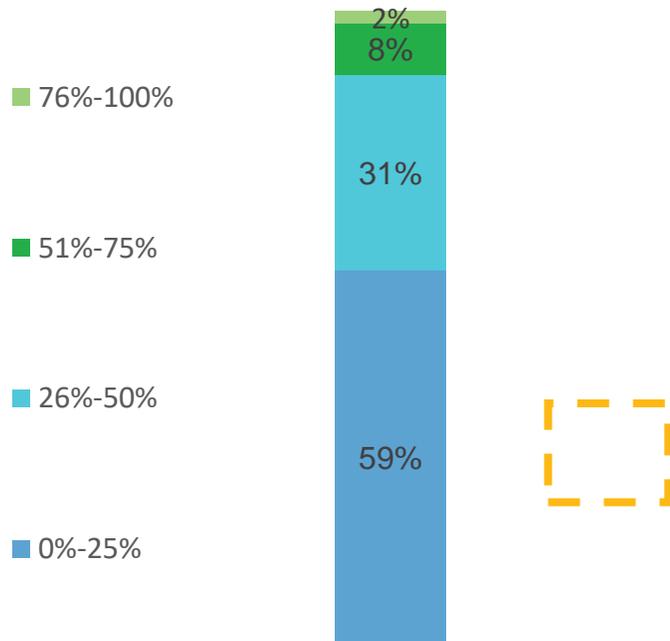


BIZ CIP October 2018 – [Renewable Natural Gas - Business]  
Base: Total Respondents (175)  
Q6. How environmentally-friendly do you believe renewable gas to be as an energy source?

# Natural Gas Supply Knowledge and Beliefs

Most Business Insiders believe that the right amount of gas that should be generated from renewable sources like landfills and dairies is at least 50%. However, insiders believe the current amount is between 0% - 25%.

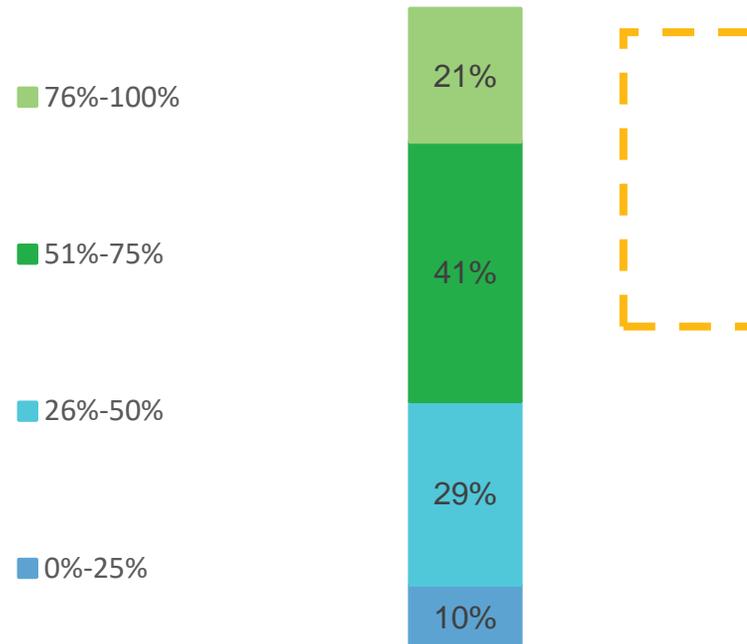
## Renewable Gas as % of CA Natural Gas Supply



## The Right Amount of Renewable Gas as % of Natural Gas Supply

Top 2 Box

62%



BIZ CIP October 2018 – [Renewable Natural Gas - Business]

Base: Total Respondents (175)

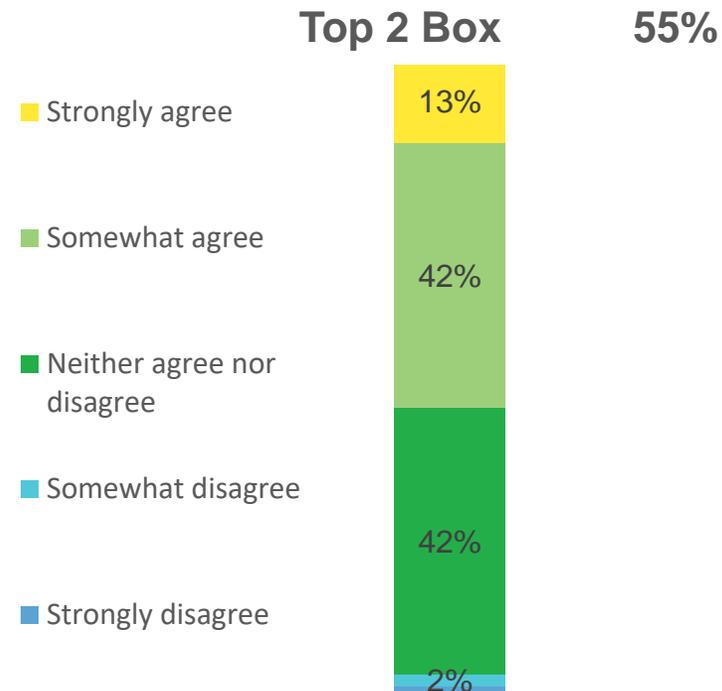
Q15. What percentage of California's natural gas supply do you believe currently comes from renewable sources like landfills, wastewater treatment, dairies, and farms?

Q16. What percentage of all natural gas used in California do you think is the right amount to generate from renewable sources like landfills, wastewater treatment, dairies, and farms?

# SoCalGas as a Renewable Energy Leader

Just over half of Business Insiders strongly/somewhat agree that SoCalGas is a leader in renewable energy, while a large portion are simply indifferent.

## Agreement with: “SoCalGas is a leader in renewable energy.”



BIZ CIP October 2018 – [Renewable Natural Gas - Business]

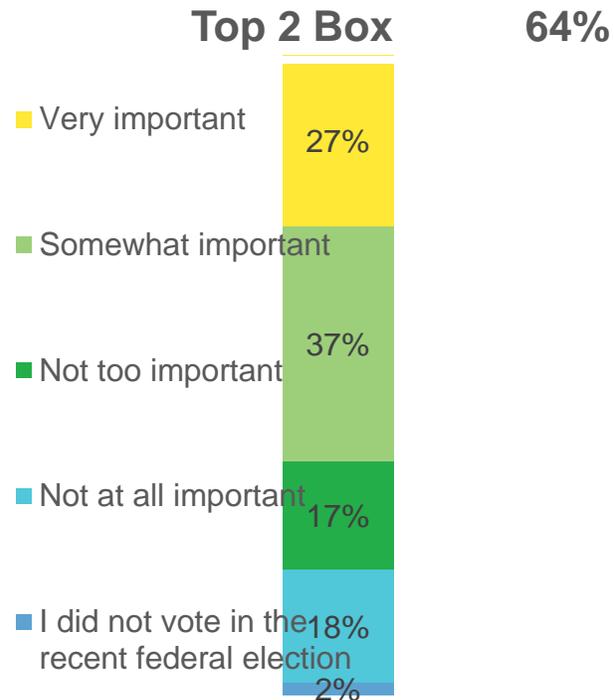
Base: Total Respondents (175)

Q17. How much do you agree or disagree with the following statement? “SoCalGas is a leader in renewable energy.”

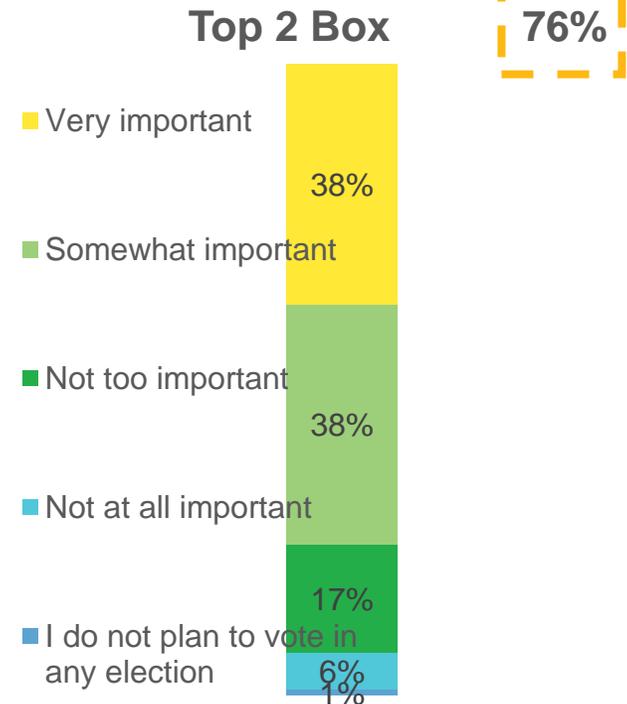
# Energy's Impact on Political Attitudes

While importance of energy in federal elections is high (64%), it is much more important that the candidate's stance on energy reflects their own (76%).

## Importance of Energy in Federal Elections



## Importance of Energy Alignment with Political Candidates



BIZ CIP October 2018 – [Renewable Natural Gas - Business]

Base: Total Respondents (175)

Q18. When thinking about the recent federal election, how important was the issue of energy to your vote?

Q19. When thinking about all elections (local, state, and federal), how important is it to you that a candidate for political office share your opinion on energy issues?



## Program Introduction and Analysis



# Renewable Gas Program Exposure

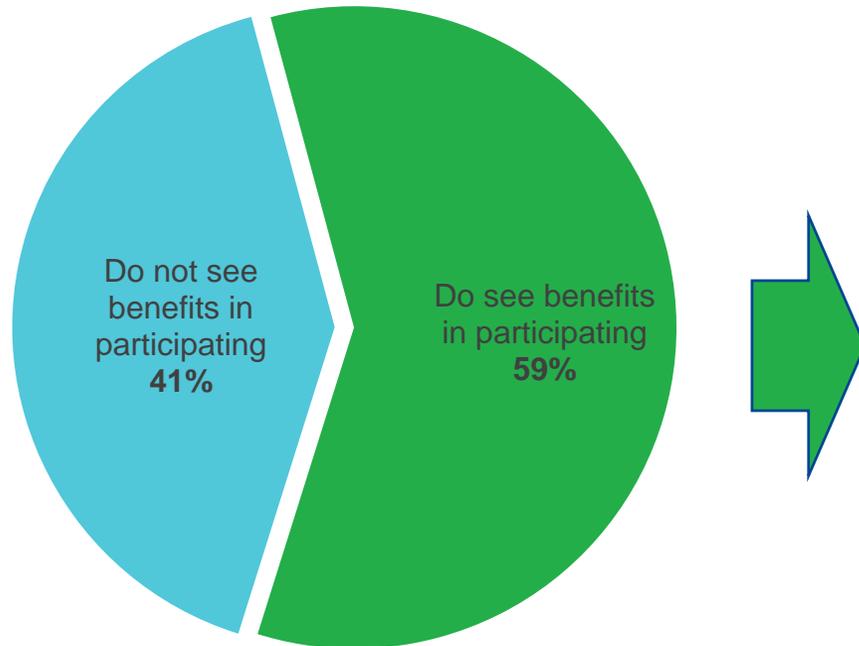
Residential Insiders were exposed to the following renewable natural gas program description before answering the following questions:

*“Today, renewable gas costs more to produce than traditional pipeline gas. SoCalGas is looking to develop an innovative program where customers can support the purchase of renewable gas at a premium cost and/or support the development of renewable gas projects. This will be a voluntary program and you could opt out at any time.”*

# Renewable Gas Knowledge & Program Benefits

The majority of Business Insiders that see there are benefits, see “helping the environment for future generations to come” as the main benefit.

*Do you see any benefits of participating in a renewable gas program like this?*



## Benefits for Participating in a Renewable Gas Program

### Helping the environment for future generations:

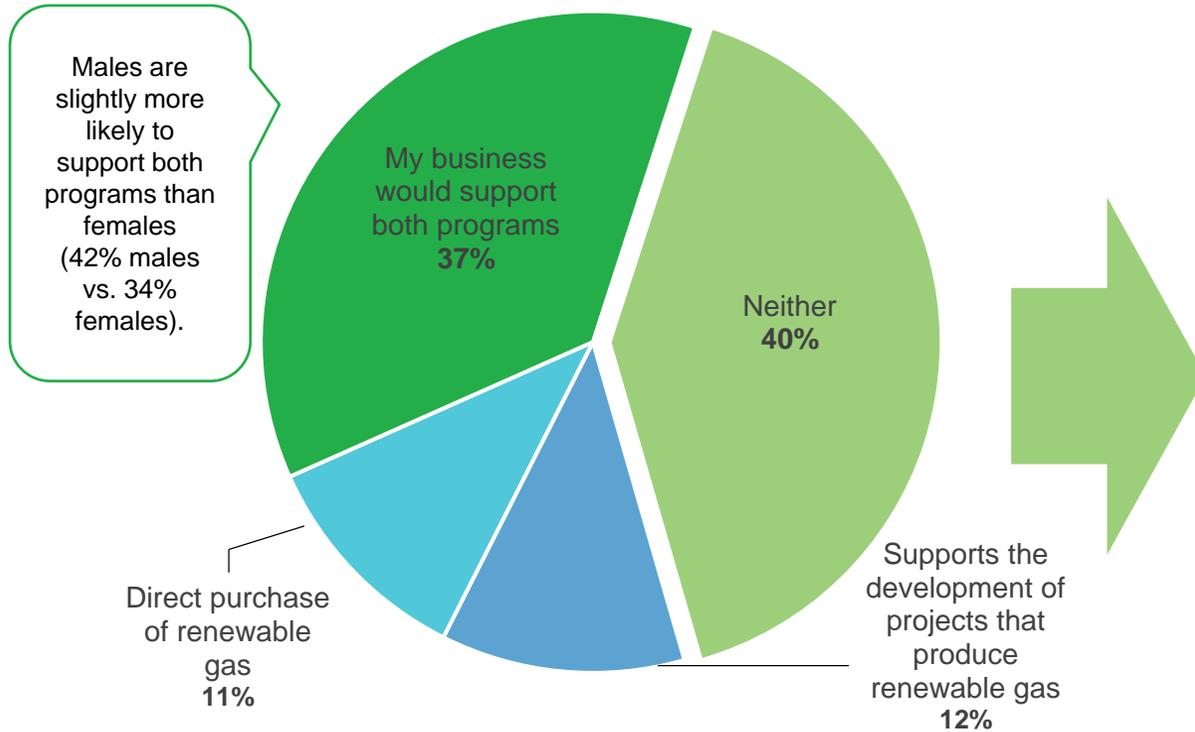
- “Cleaner for the environment; sustainable; aligns with my goal to leave as little of an impact on the earth as possible.”
- “Environmental and economic benefits of using renewable energy include: generating energy that produces no greenhouse gas emissions from fossil fuels and reduces some types of air pollution.”
- “I think a renewable source of gas would be a more reliable source in the future. Certain areas of the country could benefit that might not ordinarily have access to natural gas. Additionally, the containment and processing of methane gas from animal waste would improve air quality.”
- “The benefit would be that i would be helping to advance renewable sources of energy. I would not deplete the non-renewable sources.”
- “Yes, this would be a good program because there would be direct results in utilizing renewable natural gas that would otherwise have gone to waste or be vented to the atmosphere.”
- “Yes. Saving the earth. Keeping things green for generations to come. I highly support this initiative.”

BIZ CIP    October 2018 – [Renewable Natural Gas - Business]  
Base:        Total Respondents (175)  
Q7.         Do you see any benefits of participating in a renewable gas program like this?

# Renewable Gas Program Interest & Barriers

Increased costs are the biggest barrier of program adoption among Business Insiders. In other words, businesses are trying to avoid hurting their bottom line.

## Program Adoption



## Reasons for Unwillingness to Opt-in to Either Program

### Can't Afford Increased Costs:

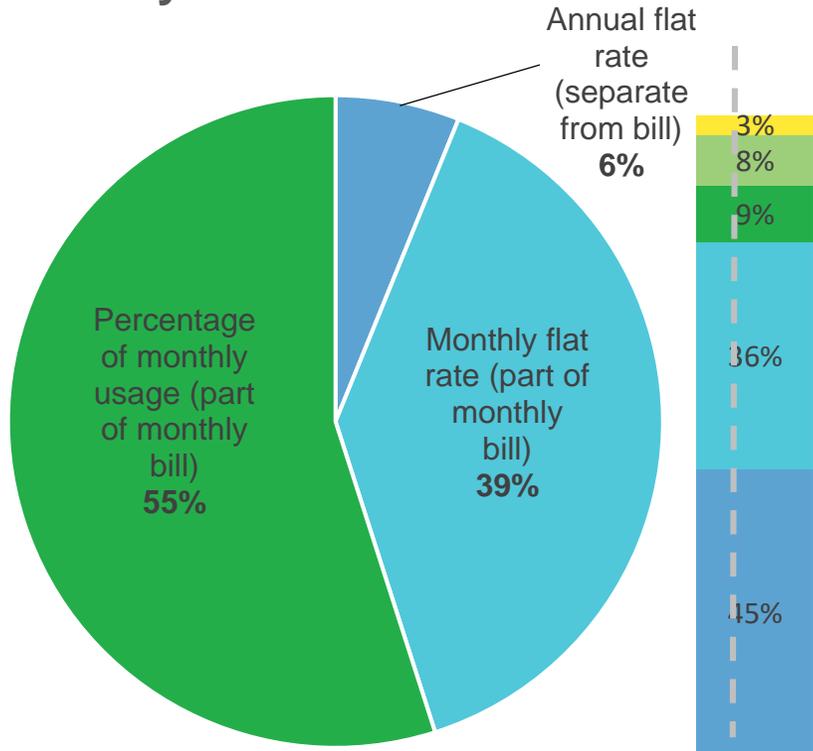
- “Again, every dollar added to a utility bill is a dollar we can't spend on salaries, equipment or building maintenance. We have to choose which battles to fight to survive and this wouldn't be one of them.”
- “Cannot afford additional costs at this time.”
- “Costs are already high enough for electricity and gas. we are not for profit with fixed annual income.”
- “The owner of the company is very cost conscious and even though it would be better for the planet in the long run, he would not opt in unless the cost was equal or less.”

BIZ CIP October 2018 – [Renewable Natural Gas - Business]  
 Base: Total Respondents (175), Males (67), Females (92)  
 Q8. Which type of program would you most likely opt-in to support?  
 Base: Unlikely to opt-in to either program (71)  
 Q8a. Why are you unlikely to opt-in to a renewable gas program?

# Renewable Gas Program Payment Preferences

Among those willing to participate, monthly billing is the preferred method with most looking to pay \$10 or less. Over half of Business Insiders would be more likely to participate if their personal environmental impact was quantified in easy to understand terms.

## Payment Preference



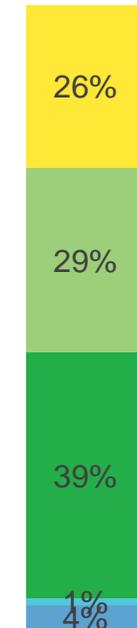
## Payment Amount



## Willingness to Participate if Personal Environmental Impact Known

Top 2 Box

55%



- Much more likely
- Slightly more likely
- My likelihood to participate would not change
- Slightly less likely
- Much less likely

BIZ CIP October 2018 – [Renewable Natural Gas - Business]

Base: Those willing to support at least one renewable gas program (104)

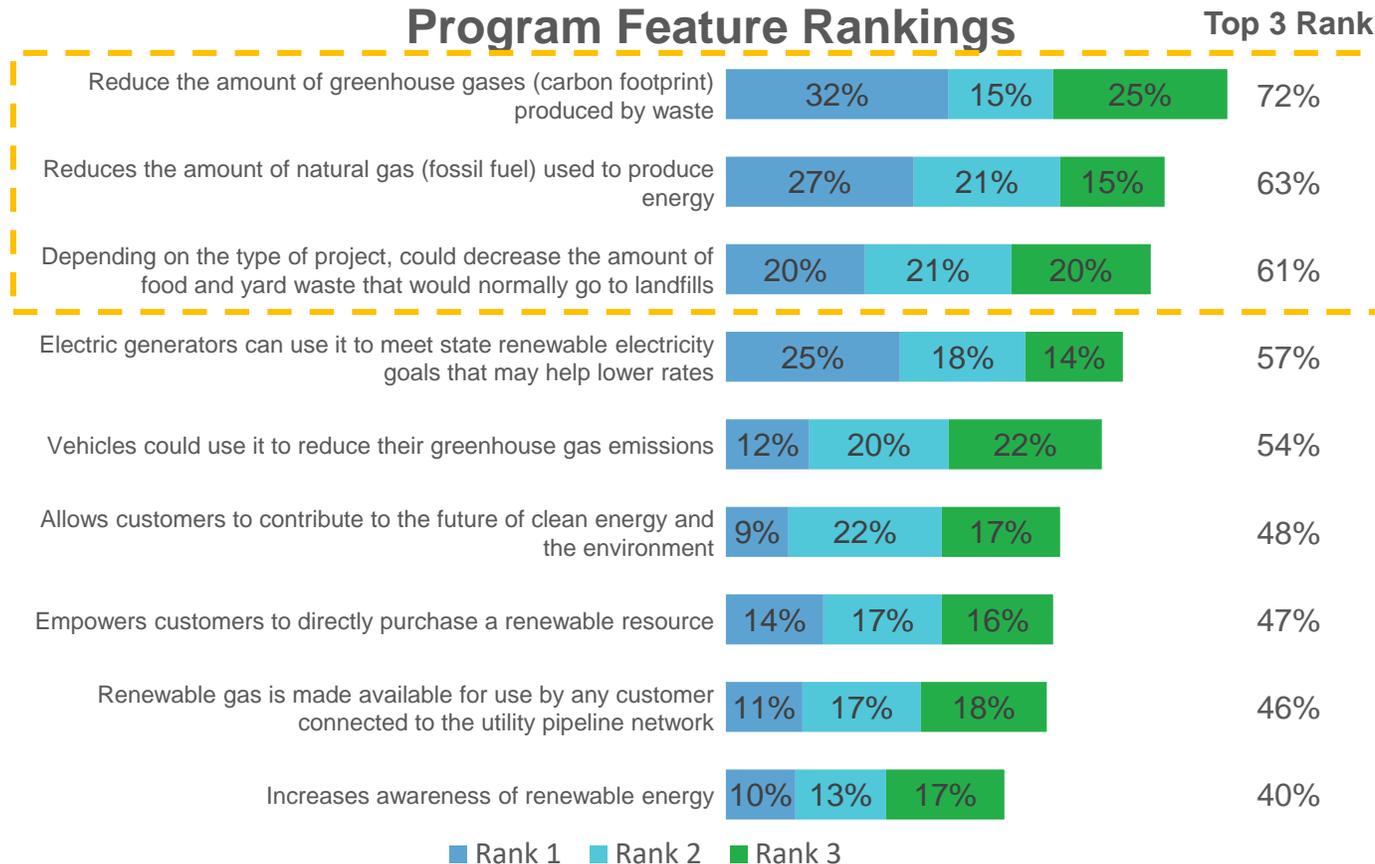
Q9. Imagine your business were to opt-in to a renewable gas program that supports the development of renewable gas. How would you prefer to pay this additional cost?

Q10. Now, imagine that your business is going to opt-in to pay a monthly flat rate for renewable gas as part of your monthly bill. How much more are you willing to pay per month for cleaner, renewable gas for your business?

Q11. If SoCalGas informed you of how your renewable energy contribution impacted the environment, how would that change your willingness to participate in a renewable energy program? For example: A \$10 contribution is the equivalent to removing 2 vehicles off the road!

# Renewable Gas Program Feature Rankings

Business Insiders prefer RNG benefits that are tied to reducing our negative impact on the planet as opposed to accessibility or education.



BIZ CIP    October 2018 – [Renewable Natural Gas - Business]

Base:        Total Respondents (175)

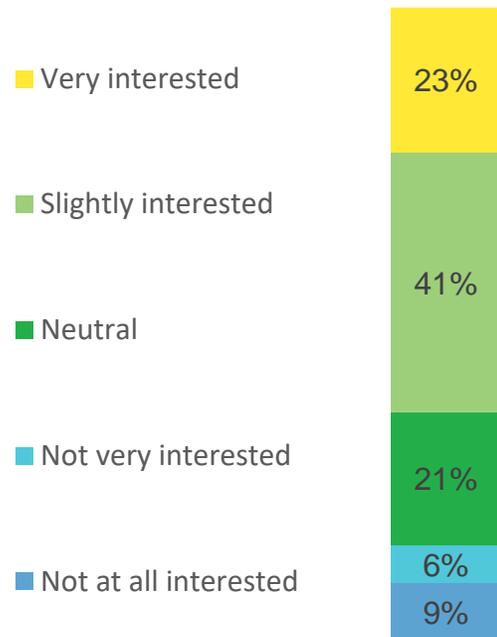
Q12.        Below is a list of benefits of participating in a Renewable Gas Program. Please rank the 5 benefits that are most important to you.

# Interest in Learning More & Preferred Contact Methods

64% of Business Insiders are interested in learning more about renewable energy projects with their preferred method of contact being email.

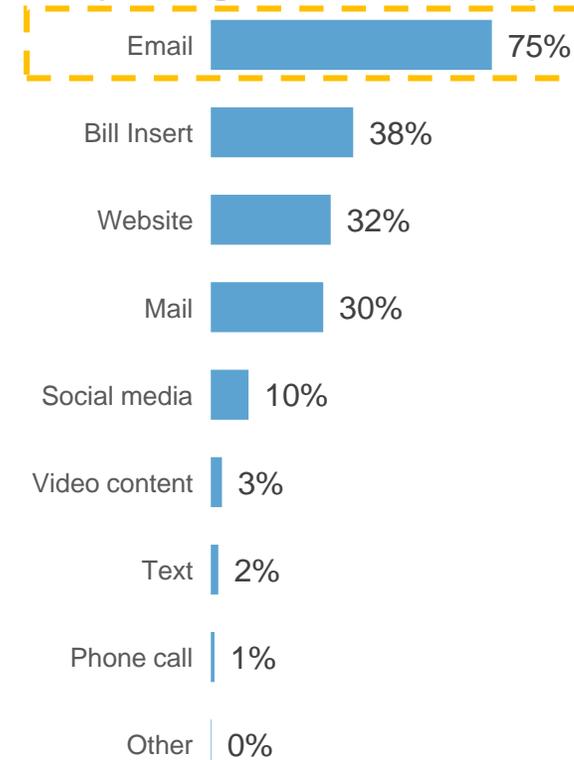
## Interest in Learning More about Renewable Energy Projects

Top 2 Box 64%



Renters are much more interested in learning more about these programs than those who own (70% renters vs. 59% owners).

## Preferred Method of Contact (Among those interested)



BIZ CIP October 2018 – [Renewable Natural Gas - Business]

Base: Total Respondents (175)

Q13. How interested would you be in receiving more information about renewable energy projects and offerings such as the ones described in today's survey?

Base: Those interested in receiving more information (112)

Q14. How would you like to receive information about renewable energy projects and offerings?



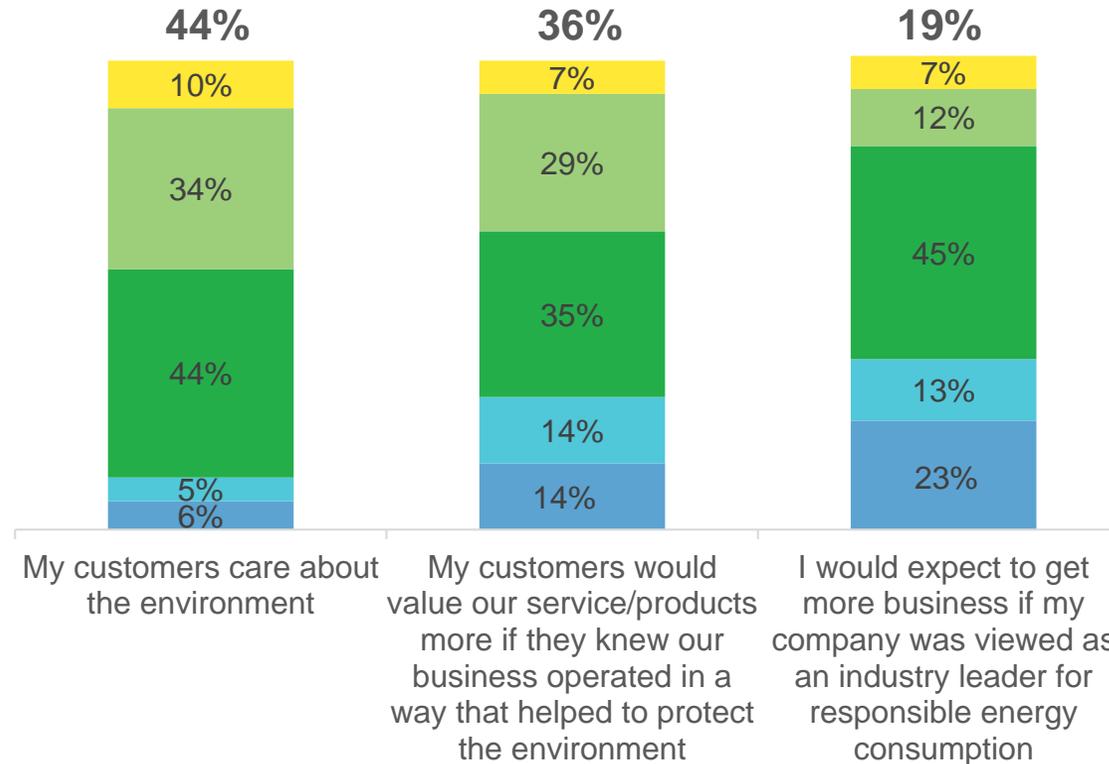
Investment Likelihood and Further Renewable Energy Background

# Customer Agreement Scales

While many Business Insiders believe that their customers care about the environment, few of them expect to bring in more business if they are seen as an industry leader for responsible energy consumption.

## Top 2 Box

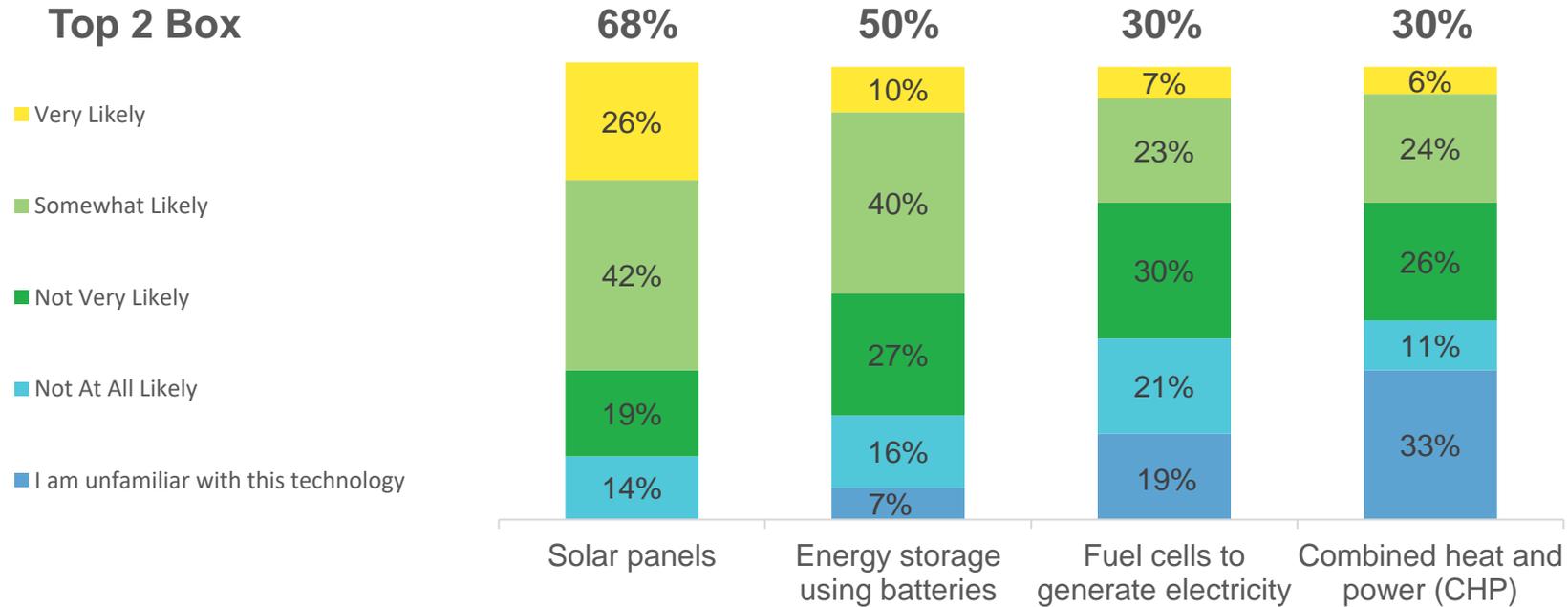
- Strongly Agree
- Slightly Agree
- Neither Agree nor Disagree
- Somewhat Disagree
- Strongly Disagree



BIZ CIP    October 2018 – [Renewable Natural Gas - Business]  
 Base:      Total Respondents (175)  
 Q13.      How much do you agree or disagree with the following statements?

# Likelihood of Energy Technology Investment

Business Insiders are most likely to invest in solar panels for their business. Fuel cells and CHP are not as widely understood and thus, may be less attractive for investment.



BIZ CIP October 2018 – [Renewable Natural Gas - Business]  
 Base: Total Respondents (175)  
 Q14. How likely would your business be to invest in the following technologies?

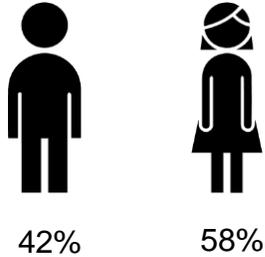


# Demographics



# Demographics and Survey Details

## Gender



## Education



Some high school or less	1%
High School or GED	6%
Associate's Degree	7%
Vocational / Technical Degree	2%
Some College	23%
Bachelor's Degree	38%
Master's Degree	16%
PhD or Doctorate	6%
Prefer not to answer	1%

## Ethnicity



Caucasian	64%
Hispanic or Latino	8%
African-American	3%
Asian or Pacific Islander	9%
Native American	1%
Other	3%
Prefer not to answer	13%

## Age



18 to 24	1%
25 to 34	4%
35 to 44	14%
45 to 54	30%
55 to 64	36%
65 to 74	15%
75 to 79	1%
80 years and older	1%

# Firmographics



## Type of Business

Agriculture / Mining	1%
Amusement	1%
Construction	6%
Education	2%
Government	0%
Healthcare	10%
Hotels/Lodging	0%
Laundry/Dry Cleaning	1%
Manufacturing	11%
Office	7%
Rental Property / Landlord	7%
Restaurant	8%
Retail or Grocery / Convenience Store	3%
Services	23%
Other	20%



## Business Size

Less than 1,000 sq. ft.	7%
1,000 to 4,999 sq. ft.	40%
5,000 to 9,999 sq. ft.	14%
10,000 to 14,999 sq. ft.	13%
15,000 to 24,999 sq. ft.	6%
25,000 to 49,999 sq. ft.	4%
50,000 to 99,999 sq. ft.	2%
100,000 to 499,999 sq. ft.	3%
500,000 to 1 million sq. ft.	1%
Over 1 million sq. ft.	2%
Not sure / Don't know	9%



My Account  
78%



## Number of Employees

4 or fewer	38%
5 to 9	22%
10 to 19	17%
20 to 49	13%
50 to 99	5%
100 to 199	2%
200 to 299	1%
300 to 399	1%
400 to 499	1%
500 or more	2%



Paperless Billing  
48%



## Rent or Own

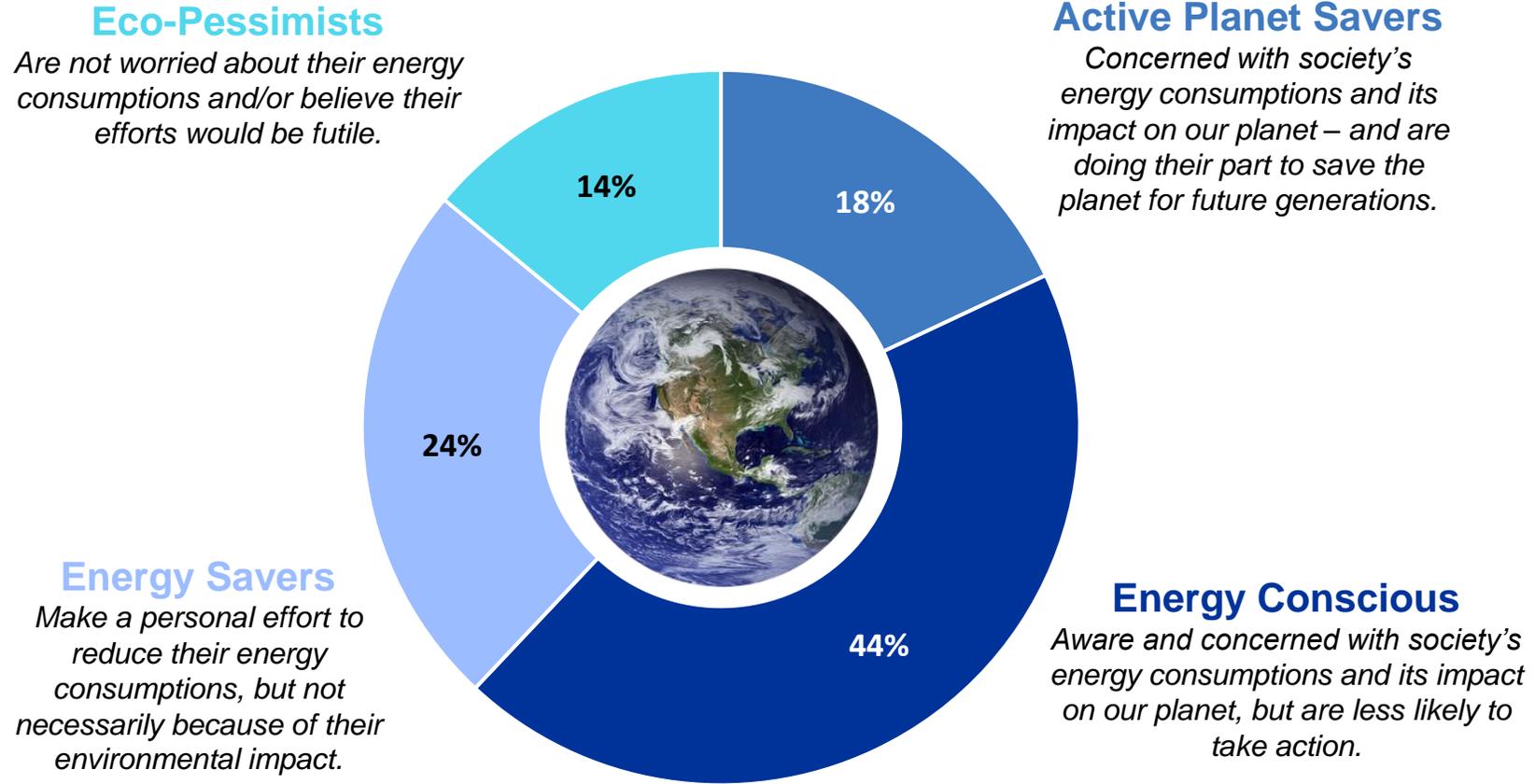
Own	53%
Lease	47%



## Job Title

Owner	37%
Upper Management	17%
Manager or Director	27%
Professional	3%
Administrative	14%
Other	1%
Prefer not to answer	1%

# Energy Segmentation



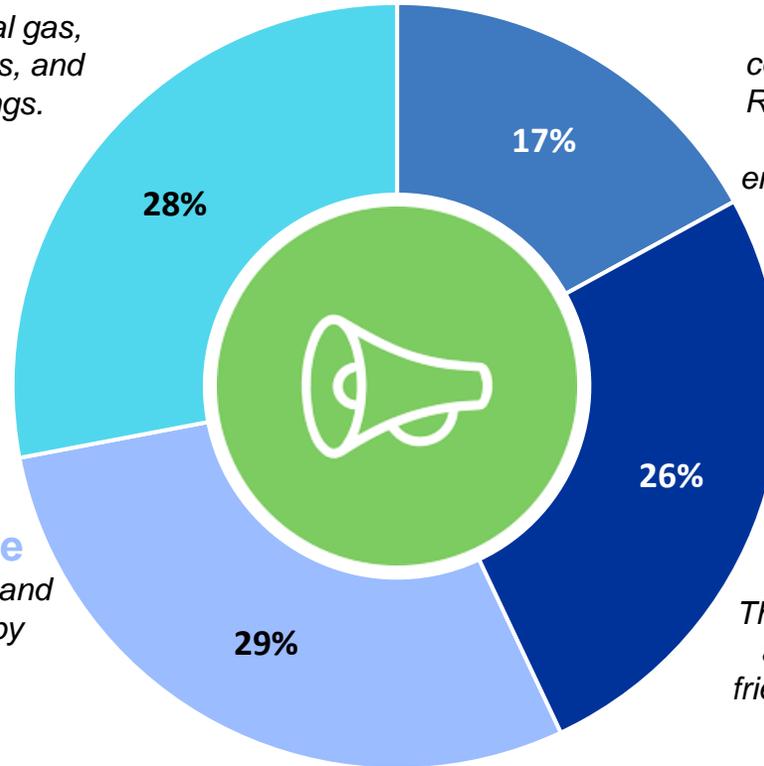
# Advocacy Segmentation

## Potential Ambassador

*Highest preference for natural gas, has access to elected officials, and attends community meetings.*

## World Changer

*Active in all politics. Access and contact elected officials often. These Residential Insiders lean more to the left, are more concerned with the environment, and try to advocate and engage as much as possible.*



## Silent and Passive

*Least interested in politics and are the least influenced by others.*

## Socially Involved

*They aren't afraid to share their views about causes they care about with friends, family, and colleagues, but are hesitant to take further action.*



# Appendix

# Methodology

An online survey was administered to the Residential Insider community, with the following details:

Field Start:	10/09/2018
Field End:	10/23/2018
Initial Send:	551
Completions:	175
Completion Rate:	32%
Length of Survey:	7m, 26s



A  Sempra Energy utility®

## Renewable Natural Gas Research Results – November 2019

SoCalGas Insiders Residential Community

FOR INTERNAL USE ONLY

## Methodology and Objectives

The main objective of the *Renewable Natural Gas (RNG)* study is to measure opinion and interest in an RNG program by:

- Understanding customer environmental beliefs
- Gauging customer understanding of renewable energy and natural gas
- Evaluating customer willingness to support RNG programs that purchase RNG versus those that support the development of projects that produce RNG
- Determining how these opinions have changed since last year



# 2019 Renewable Natural Gas Research Takeaways

## 1 Insiders are more knowledgeable about energy and are less likely to consider natural gas to be a clean energy source:

UNDERSTAND RENEWABLE ENERGY



NATURAL GAS CLEANLINESS BELIEF



## 3 This provides opportunity for SoCalGas, as Insiders increasingly see a benefit to participating in a renewable energy program:

SEE A BENEFIT TO A RENEWABLE GAS PROGRAM

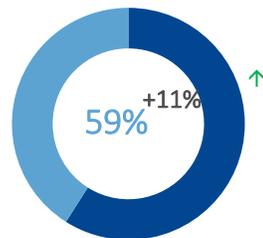


## 2 And will increasingly vote for political candidates that follow their beliefs:

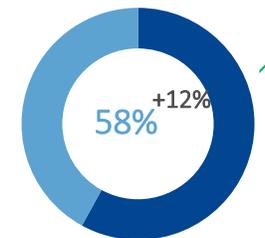
IMPORTANT FOR CANDIDATES TO SHARE ENERGY BELIEFS



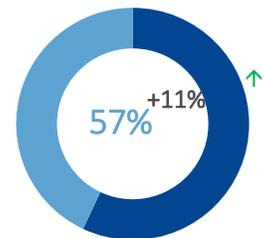
## 4 And Insiders recognize the specific benefits of participating in a renewable gas program significantly more than last year:



INCREASES AWARENESS OF RENEWABLE ENERGY



ALLOWS CUSTOMERS TO CONTRIBUTE TO THE FUTURE OF CLEAN ENERGY AND THE ENVIRONMENT



RENEWABLE GAS IS MADE AVAILABLE FOR USE BY ANY CUSTOMER CONNECTED TO THE UTILITY NETWORK

Change from 2018 indicated  
 ↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Findings and Implications

## Insiders have become more conscious of the impact of nonrenewable resources on the environment and are more critical of non-renewable energy than they were last year

- Global climate change sentiment has remained consistent with 2018 as nearly two-thirds feel it is a real issue and nearly all live in ways to try to protect the environment at least some of the time
- Perceptions of natural gas cleanliness has declined significantly, with just over half considering it extremely/somewhat clean, compared to almost two-thirds last year
- Most are willing to pay more for renewable energy; those opposed are not able to take on additional costs and feel those costs should instead be absorbed by the utility company
- The majority of Insiders are not aware that natural gas can be renewable, even when prompted directly. While most still feel that renewable natural gas is extremely/very environmentally-friendly once briefed on the subject, this has decreased from last year
- Most feel it is very/somewhat important to vote for a candidate that aligns with their energy beliefs

## With their increased knowledge about renewable energy, Insiders recognize the benefits of a renewable gas program more so than last year

- More see the benefit of participating in a renewable gas program than last year, primarily driven by cost savings over time and helping the environment and future generations
- Interest in the program is comparable to 2018, with roughly three-fourths supporting at least one type of program
- Monthly billing is still the preferred method of payment with most wanting to pay \$10 or less
- A program that reduces the carbon footprint and brings other environmental benefits drives the most interest
- Similar to last year, two-in-five feel that SoCalGas is a leader in renewable energy

## Key Findings

- Concern over global climate change has remained high over the past year, **and Insiders are more knowledgeable about renewable energy**
- Insiders see the benefit of a renewable gas program and **most would be willing to participate**
- Insiders are increasingly looking to vote for **political candidates that align with their energy beliefs**

## Principal Implication

- **Develop an aggressive marketing campaign to help raise awareness** of renewable natural gas
- **Educate customers on the benefits of renewable natural gas**, emphasizing cost savings over time and the long-term environmental benefits

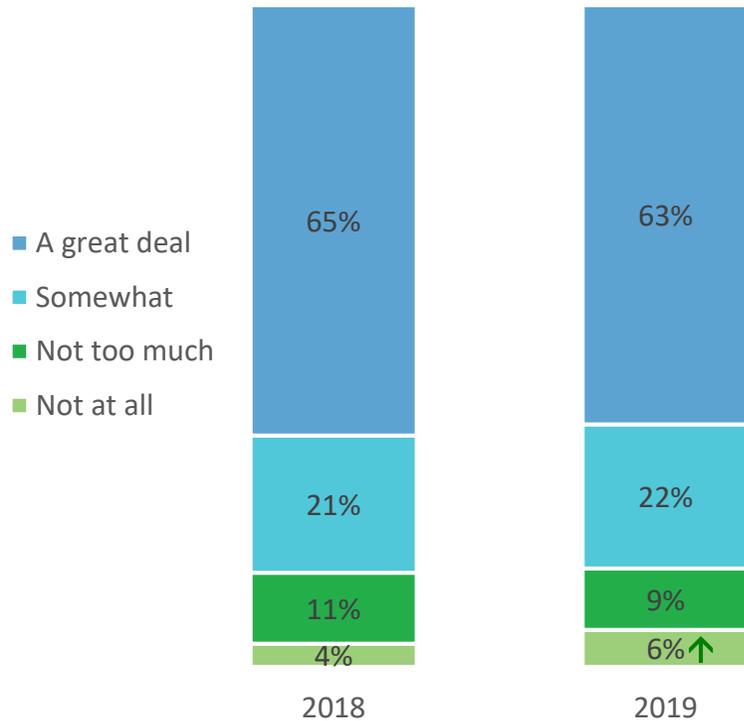


## Environmental Beliefs & Renewable Energy Knowledge

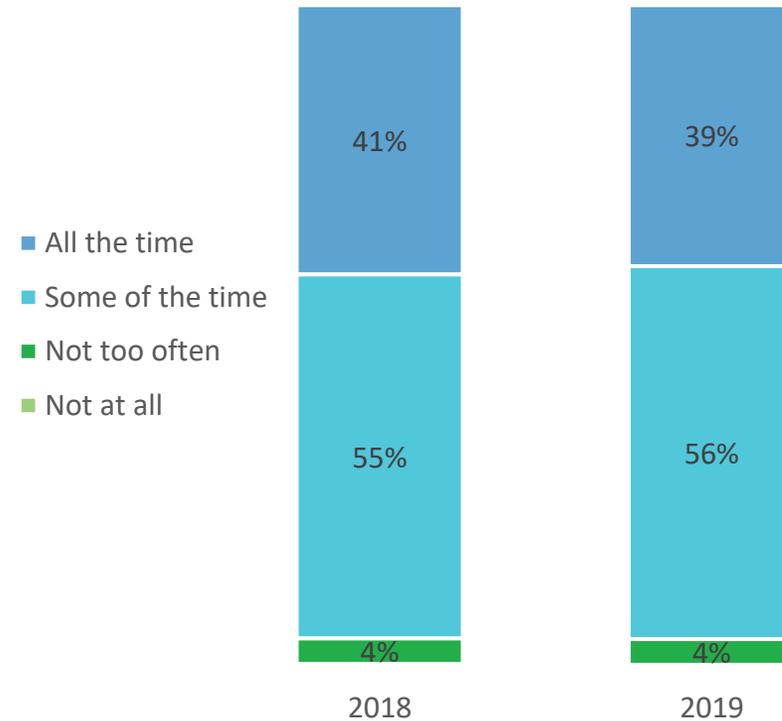
# Environmental Beliefs

Consistent with 2018, nearly two-thirds of Insiders believe global climate change is a real issue. Nearly all Insiders try to live in ways that protect the environment at least some of the time

### Belief in Global Climate Change



### Live in ways that help the environment



RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents - 2018 (858), 2019 (928)

Q1: To what degree do you believe in the issue of global climate change?

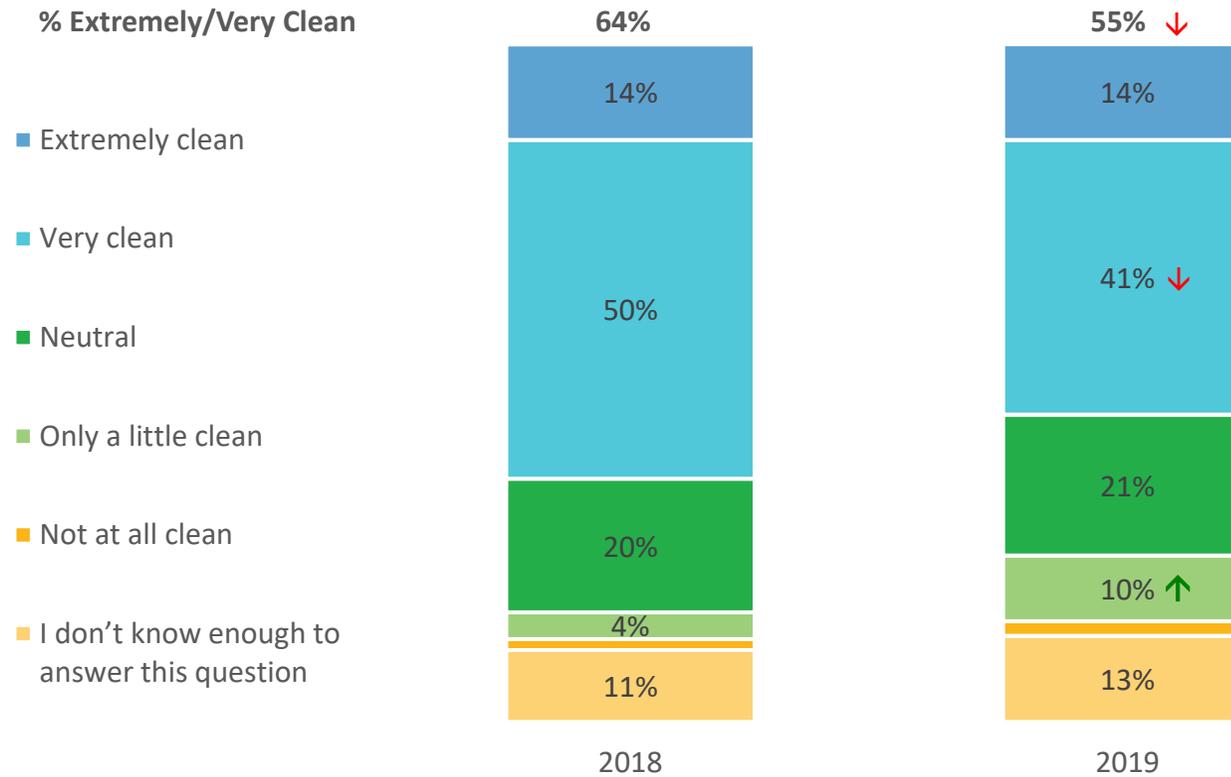
Q2: How regularly do you try to live in ways that help protect the environment?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Perceived Natural Gas Cleanliness

Compared to last year, fewer Insiders feel that natural gas is a clean energy source

## Natural Gas Cleanliness Beliefs



RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents - 2018 (858), 2019 (928)

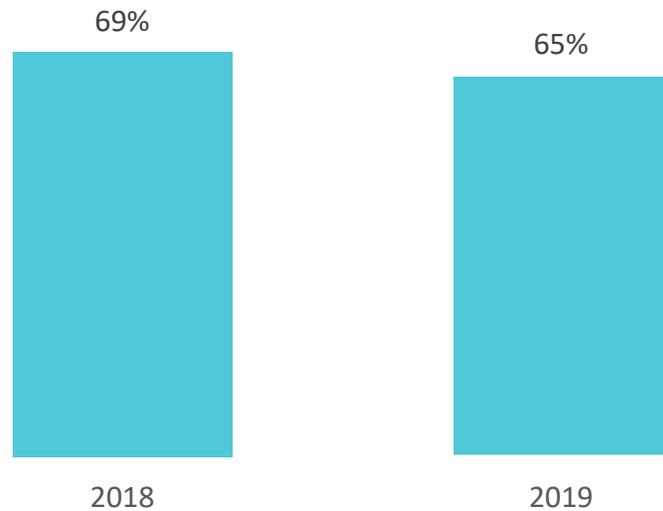
Q3: How clean do you believe natural gas to be as an energy source?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Willingness to Pay More for Clean Energy

The overall willingness of Insiders to pay more for clean energy is strong. Those who are unwilling to pay more believe the costs should be absorbed by the utility company

## Willingness to Pay More for Clean Energy



## Reasons Unwilling to Pay More for Clean Energy - 2019

### Cost should not be passed on to the consumer:

- *“Because the power companies already make BILLIONS and should be willing to “share” and take less profits off the people.”*
- *“Because the utility company should be paying for the infrastructure. Because once the infrastructure is completed, the energy sources are typically free (wind, solar, geo-thermal, etc..). Why should the consumer have to foot the bill for everything. Once the infrastructure is completed or paid for, do they get to make a very large profit on a free or inexpensive source as the consumer continues paying an increased rate?”*
- *“Company should naturally consider renewable resources to plan for future operations and cut future costs (i.e. assuming non-renewable resource will get more and more expensive over time, while renewable will cost less and less as technologies become mature) to remain viable. This should be considered business expenses, and customer should not have to pay for it.”*

### Costs of living is already difficult to keep up with:

- *“I’m unemployed and on a tight budget.”*
- *“I’m disabled and its hard to make my budget now.”*
- *“It’s already expensive enough as it is and I’m in a fixed income.”*
- *“I live with a very limited income and tight on overhead.”*
- *“As a senior on a very limited budget - any increase to anything that is needed to live would hurt”*

RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents - 2018 (858), 2019 (928)

Q5: If accelerating the growth of clean energy meant that consumers would have to pay a little bit more for energy, but in the long term would have a more stable and cleaner energy supply, which would you choose?

Base: Unwilling to pay more for clean energy – 2018 (268), 2019 (326)

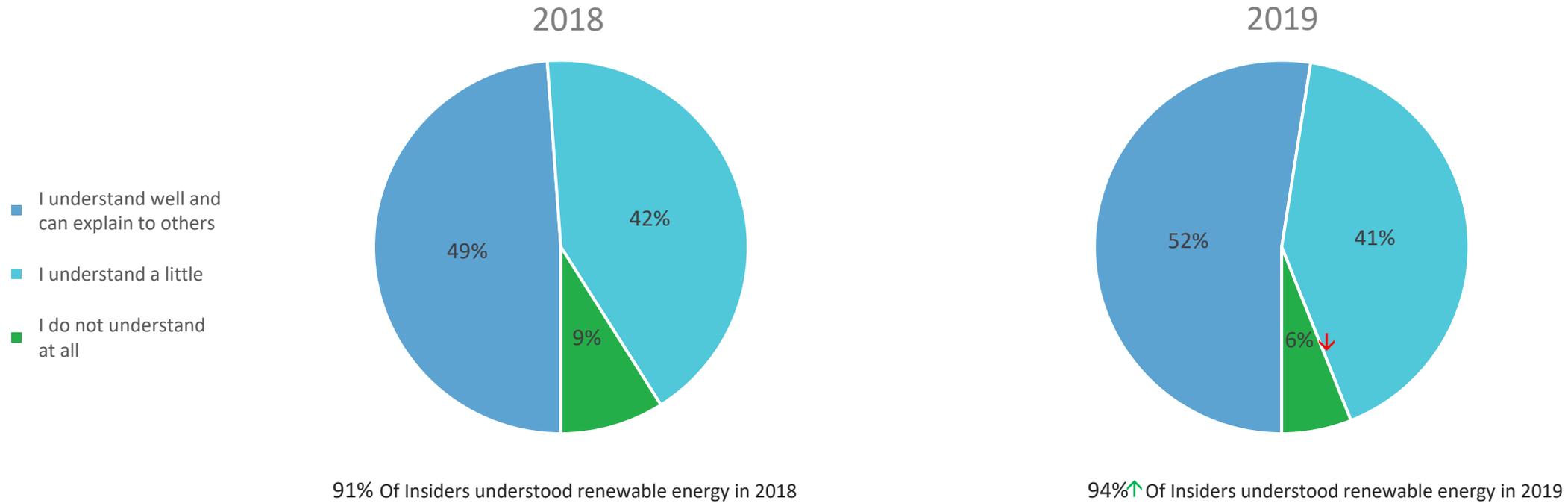
Q5a: Why would you be unwilling to pay a little bit more for renewable energy, even if it meant a more stable and cleaner energy supply in the long term?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Renewable Energy Knowledge

Insider knowledge of renewable energy has increased from 2018, with only 6% not knowledgeable on the topic

## Renewable Energy Knowledge



RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents - 2018 (858), 2019 (928)

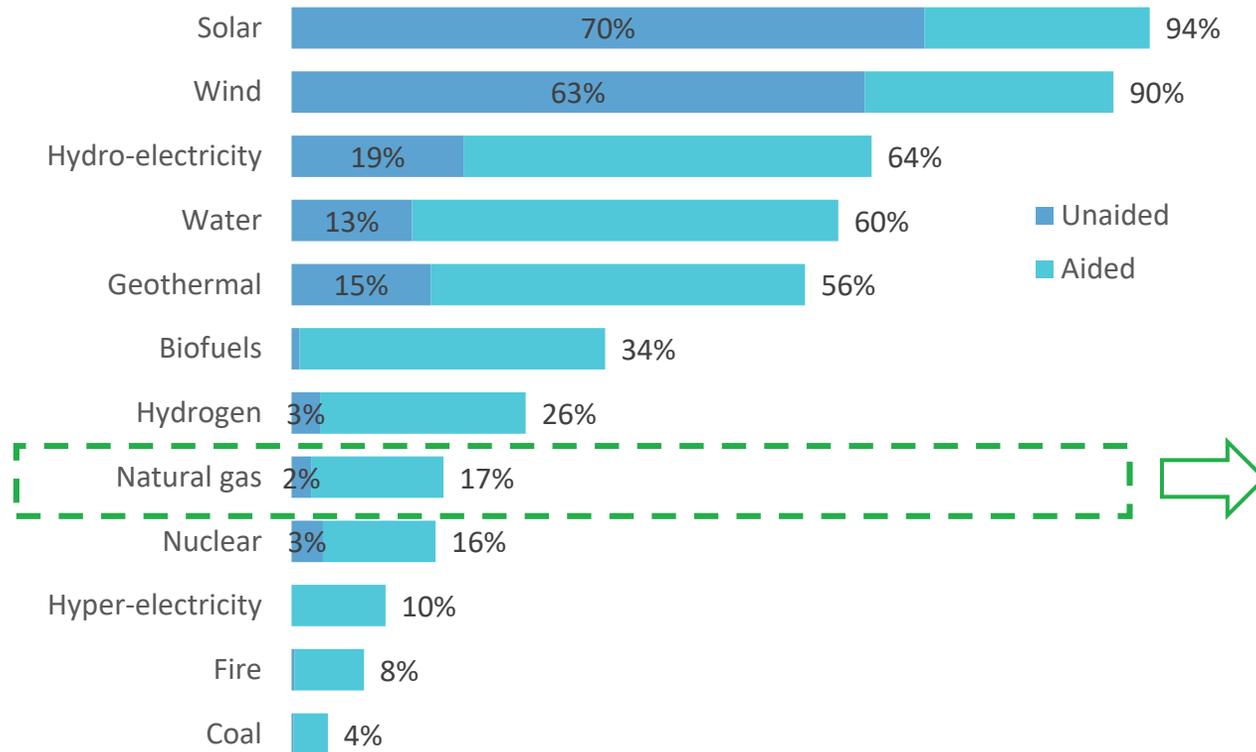
Q4: How well do you understand the difference between renewable and non-renewable energy?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

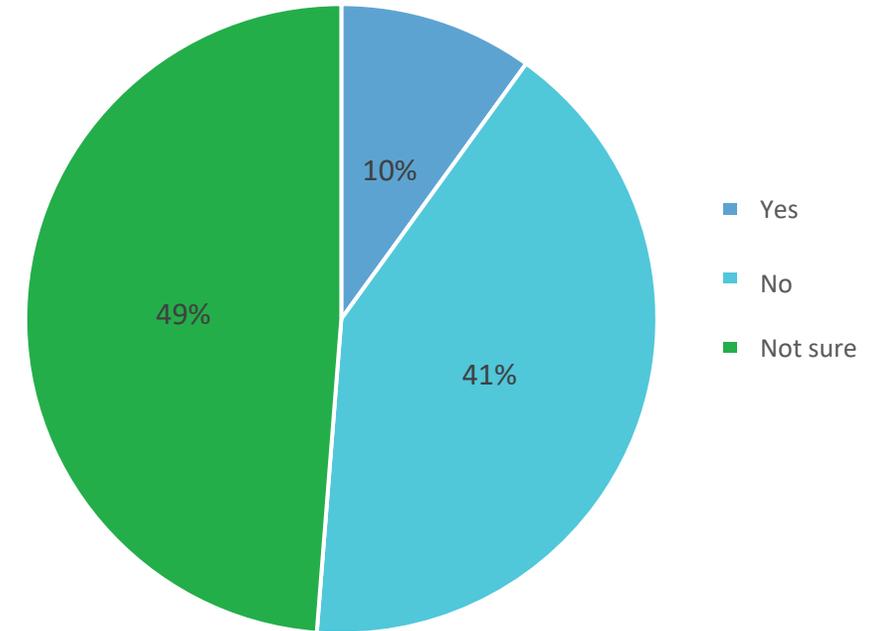
# Renewable Energy Source Awareness

Solar and wind are the most commonly known sources of renewable energy. Most Insiders are not aware that natural gas is renewable, even when prompted

### Renewable Energy Awareness



### Can Natural Gas Be Renewable?



RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents - 2019 (928)

Q4a (New in 2019) What sources of renewable energy can you think of? Please list all that come to mind.

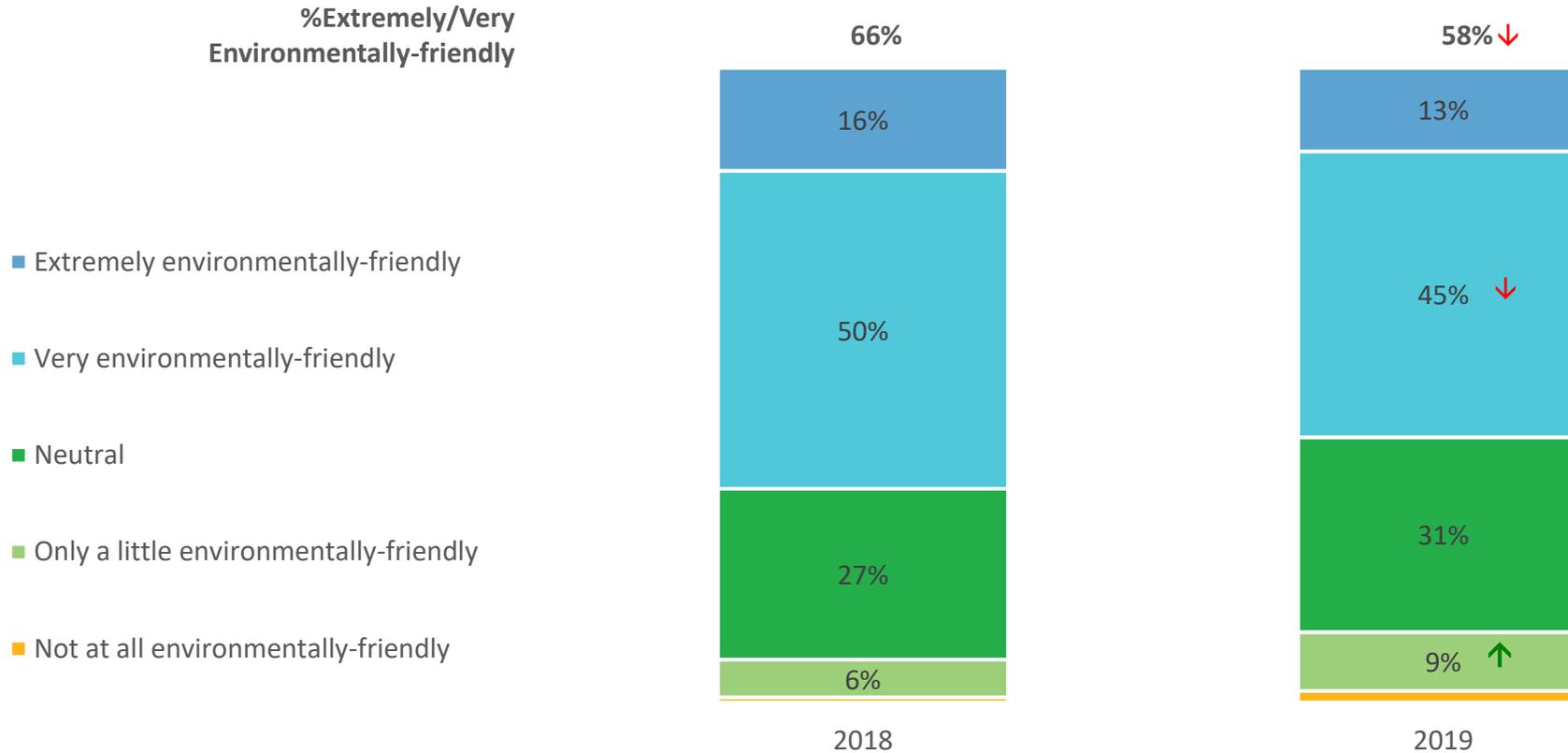
Q4b (New in 2019) Which of the following are renewable energy sources?

Q4c (New in 2019) Can natural gas be renewable?

# Renewable Gas Perceived Environmental-friendliness

Renewable Gas is seen as less environmentally-friendly in 2019 than it was in 2018

## Environmental-friendliness of Renewable Gas

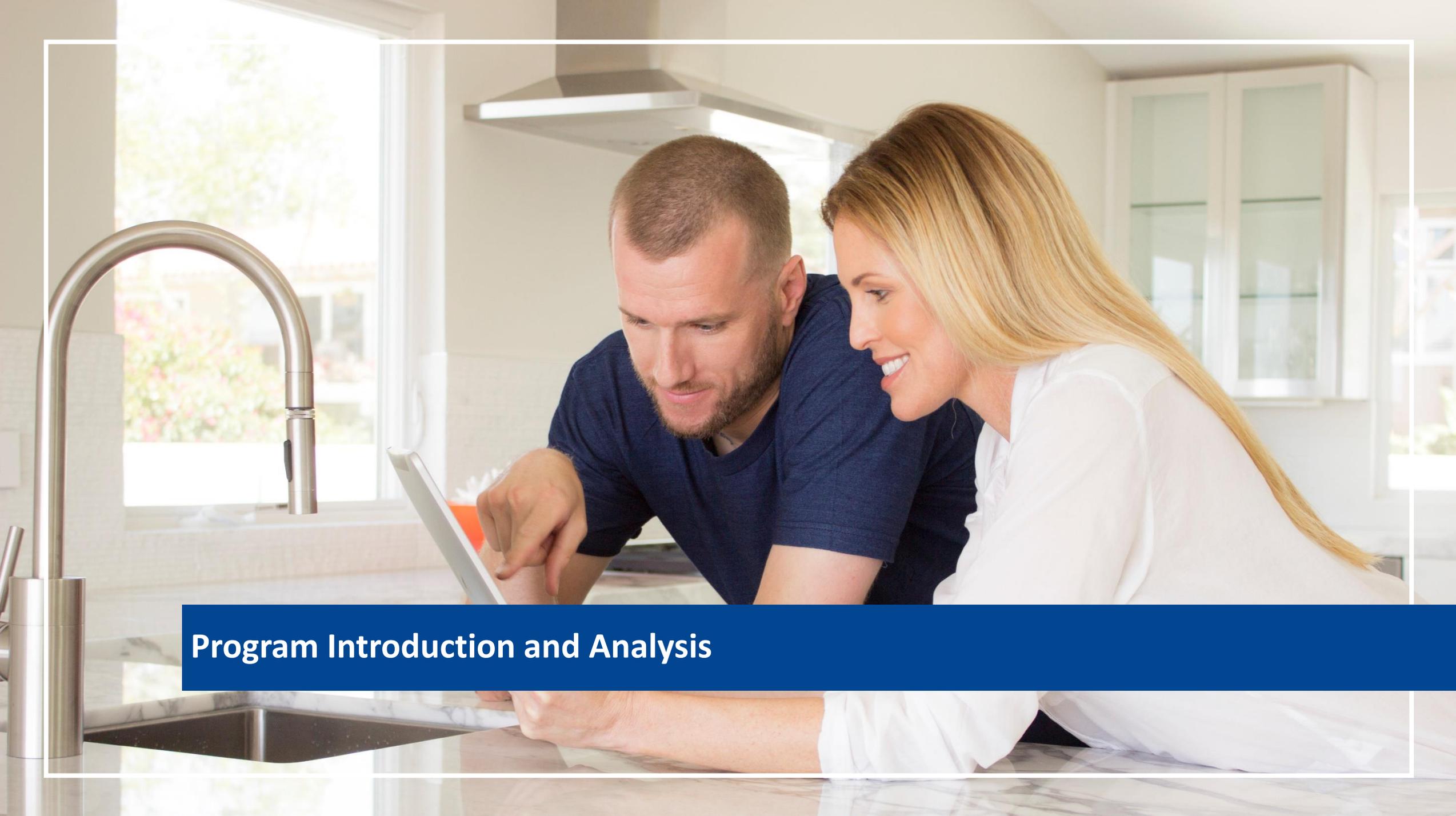


RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents – 2018 (858), 2019 (928)

Q6: How environmentally-friendly do you believe renewable gas to be as an energy source?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence



**Program Introduction and Analysis**

# Renewable Natural Gas Program Description

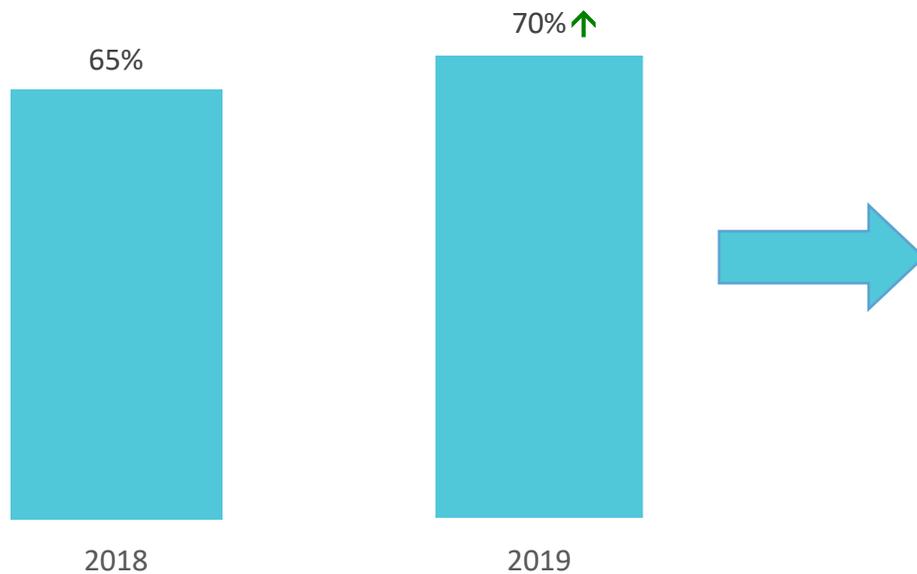
Insiders were prompted with the following description of a new renewable gas program:

*“Today, renewable gas costs more to produce than traditional pipeline gas. SoCalGas is looking to develop an innovative program where customers can support the purchase of renewable gas at a premium cost and/or support the development of renewable gas projects. This will be a voluntary program and you could opt out at any time.”*

# Renewable Gas Knowledge & Program Benefits

Insiders show more affinity towards a renewable gas program in 2019 than they did in 2018. The main reasons are cost savings over time and helping the environment/future generations

Those who see a benefit to participating in a renewable gas program



Benefits for Participating – 2019

### Expectation of cost savings over time:

- “We have to start somewhere, and the hope would be that as the process matures and more people adopt it, it will become more efficient and cost less.”
- “As we make more eco friendly fuels more accessible the cost will go down (look at the history of solar)”
- “Making this technology commonplace will eventually lower the cost.”

### Helping the environment/Better world for future generations:

- “Assist in what will and must happen in the future. improve and preserve air quality.”
- “Avoid use of planet warming energy sources while promoting growth of non planet warming sources.”
- “Better for our environment. maybe it could help to slow the destruction of our environment and possible stop it.”
- “Better for the planet and its inhabitants in the short and long-term, decreased dependence on nonrenewable resources, setting a new standard in how consumers and utility companies can be held accountable for environmental impacts.”

RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents – 2018 (858), 2019 (928)

Q7: Do you see any benefits of participating in a renewable gas program like this? If so, please list the benefits below?

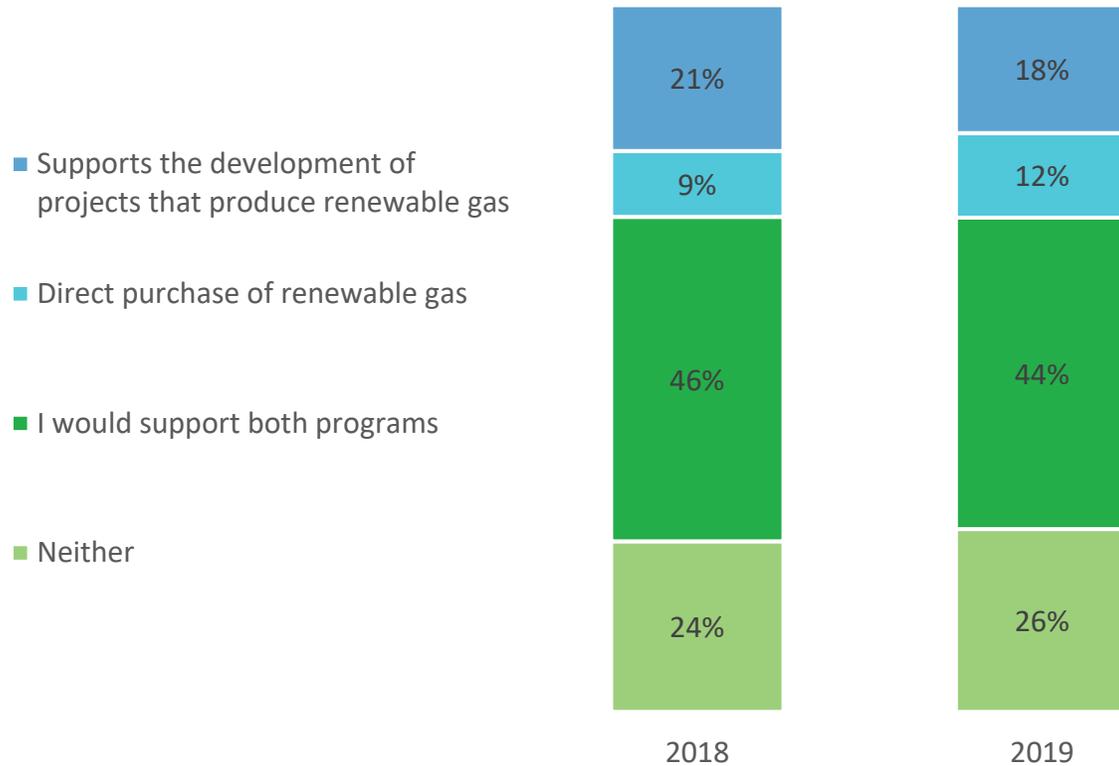
Base: Those seeing a benefit to participating in a renewable gas program – 2019 (654)

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Renewable Gas Program Interest & Barriers

Similar to 2018, three-fourths of Insiders would support at least one type of renewable gas program. The main barriers to adoption are the increased cost and lack of program longevity with proven results

### Program Adoption



### Reasons for Not Adopting

#### Increased costs are not an option for many:

- “Again, don't have any disposable income.”
- “I'm disabled and any additional cost in my energy bills hurts me.”
- “Anything that would require a rate increase is not ok with me.”
- “As stated, I pay a fortune in healthcare costs 2300 a month for Kaiser. My electricity bills are quite in the summer. I've had it.”
- “I am on a fixed income. I conserve as much as possible. Thermostat at 63 degrees but I can not afford additional costs.”
- “I am on a fixed income. Money is tight, otherwise I would love to support the program.”
- “I am urgently and diligently reducing my expenses. I cannot increase them.”

#### Others want the program to be established before joining:

- “I don't want to be in a pilot program or a beta program. I want something established that works, researched and a lower costs.”
- I would support the use of a tested and proven program but not the development program which should be supported by the industry until proven.”

RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents – 2018 (858), 2019 (928)

Q8: Which type of program would you most likely opt-in to support?

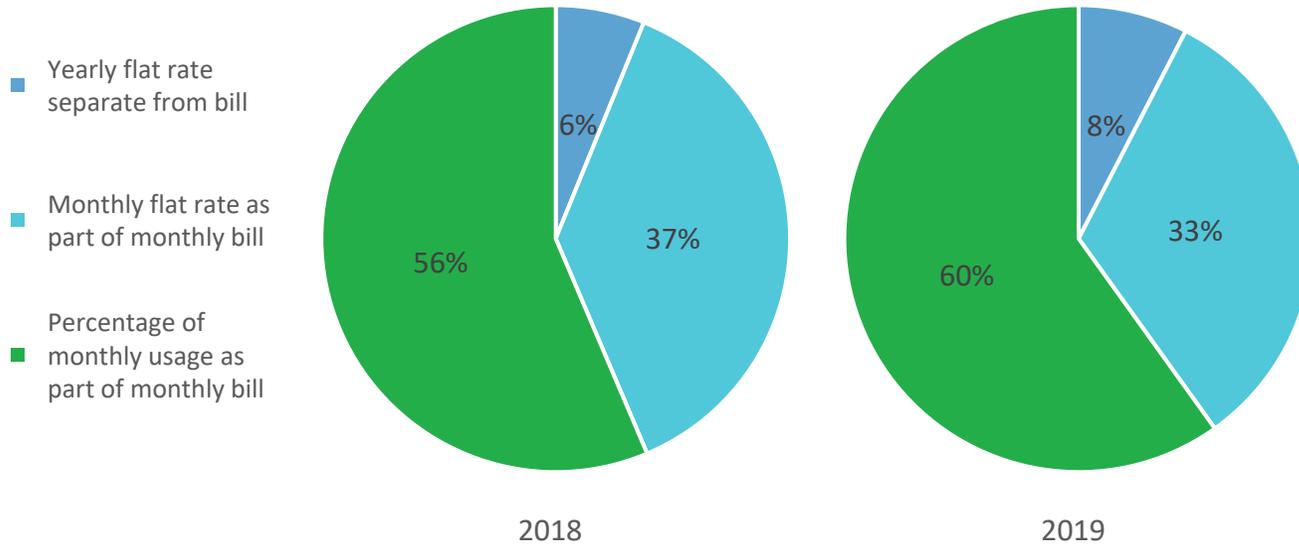
Q8a: Why are you unlikely to opt-in to a renewable gas program?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

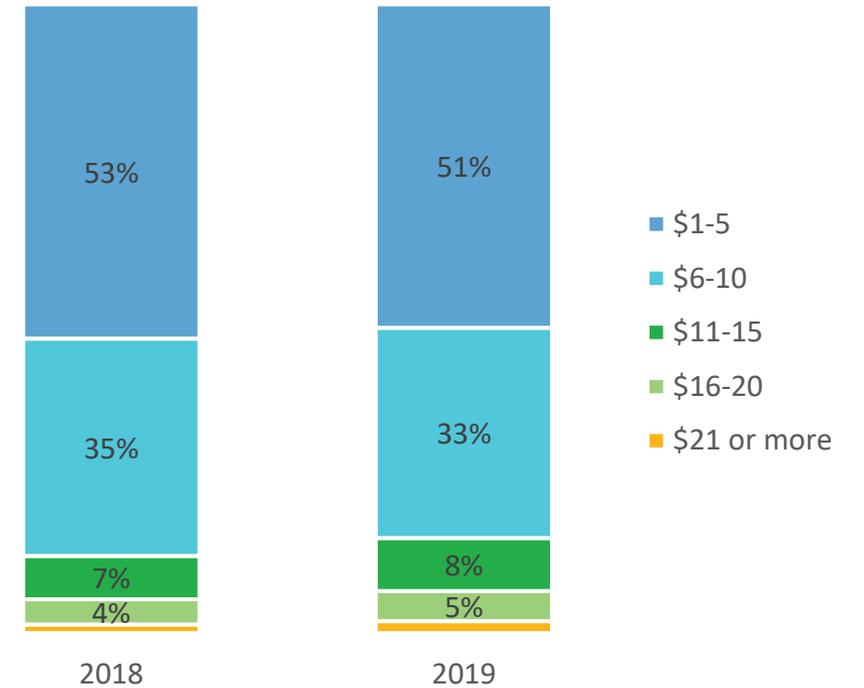
# Renewable Gas Program Payment Preferences

Monthly billing has remained the preferred method of payment, with most Insiders looking to pay \$10 or less

## Payment Preference



## Payment Amount



RES CIP October 2019 – [Renewable Natural Gas]

Base: Those willing to support at least one renewable gas program – 2018 (651), 2019 (688)

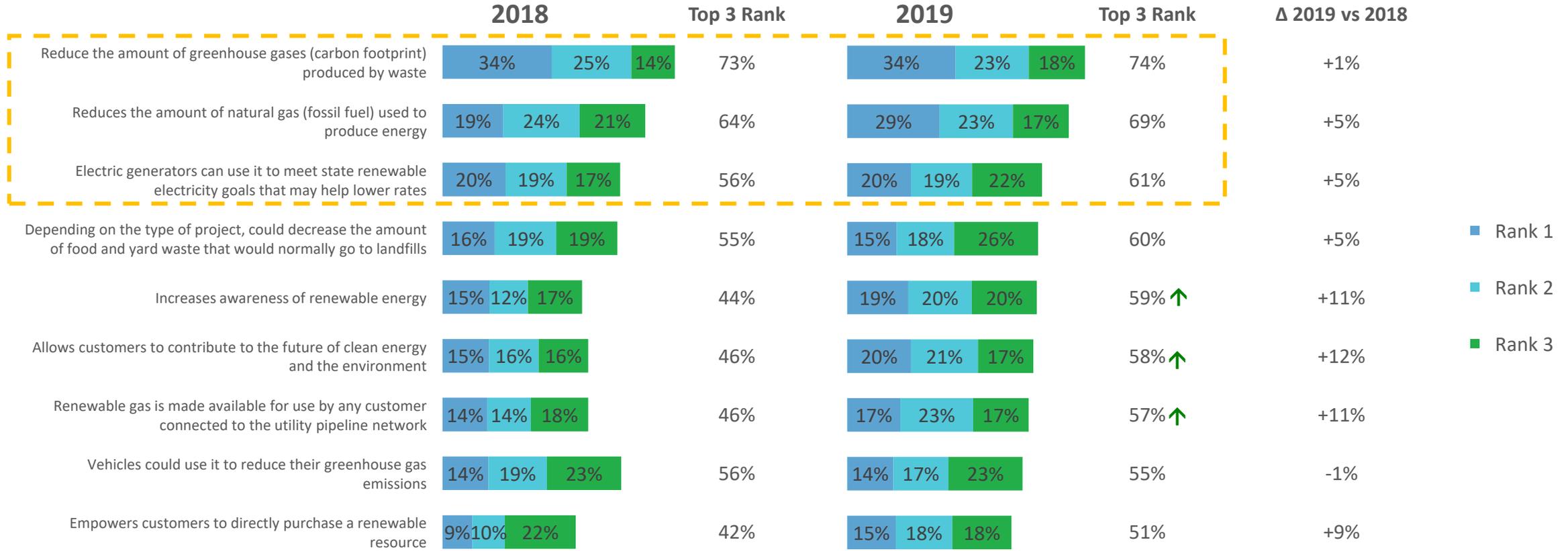
Q9: Imagine you were to opt-in to a renewable gas program that supports the development of renewable gas. How would you prefer to pay this additional cost?

Q10: Now, imagine that you are going to opt-in to pay a monthly flat rate for renewable gas as part of your monthly bill. How much more are you willing to pay per month for cleaner, renewable gas for your home?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Renewable Gas Program Feature Rankings

As with last year, reducing greenhouse gas production and natural gas usage as well as helping meet electricity goals are the most important benefits of participating in a Renewable Gas Program. However, increasing awareness of renewable energy, allowing customers to contribute to a clean future, and having renewable gas available to customers are increasingly important benefits to Insiders



- Rank 1
- Rank 2
- Rank 3

RES CIP October 2019 – [Renewable Natural Gas]  
 Base: Total Respondents – 2018 (858), 2019 (928)  
 Q12: Below is a list of benefits of participating in a Renewable Gas Program. Please rank the 5 benefits that are most important to you.  
 ↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

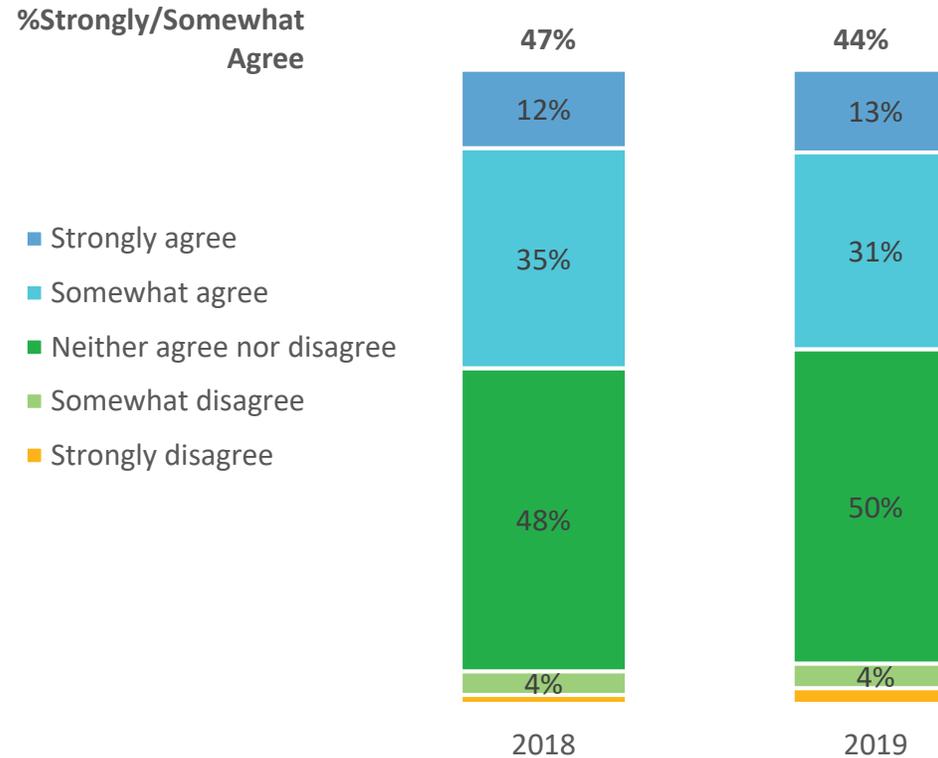


## Further Renewable Energy Background

# SoCalGas as a Renewable Energy Leader

Consistent with last year, just under one-half of Residential Insiders agree that SoCalGas is a leader in renewable energy. Just as many do not have strong opinions either way

*“SoCalGas is a leader in renewable energy”*



RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents – 2018 (858), 2019 (928)

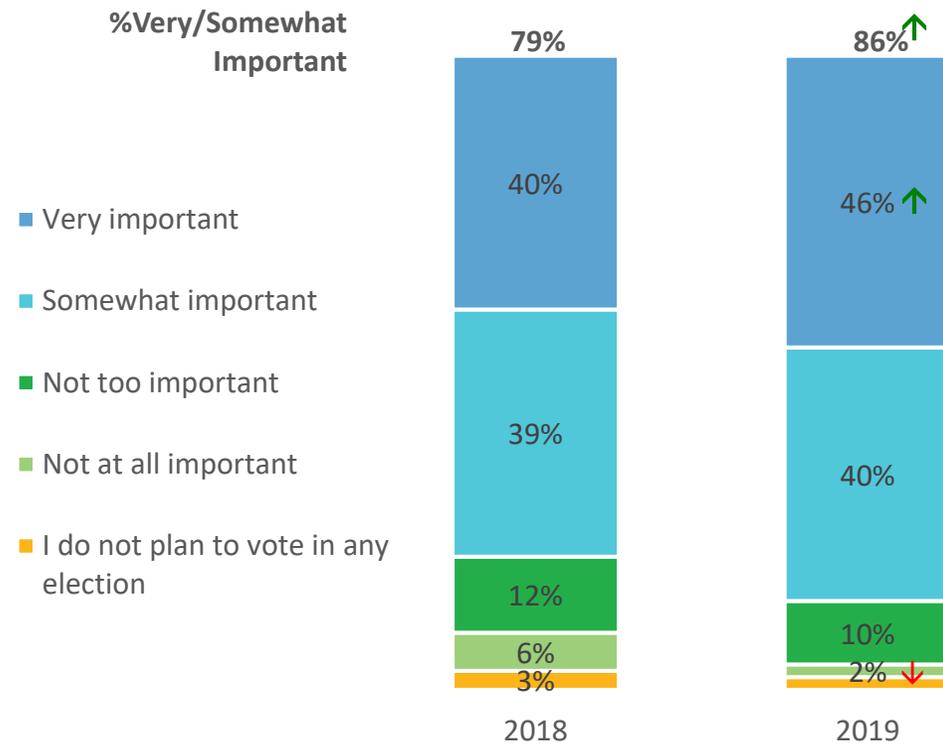
Q17: How much do you agree or disagree with the following statement? “SoCalGas is a leader in renewable energy.”

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence

# Energy's Impact on Political Attitudes

Energy plays an even more critical role in federal elections this year than last year. Nearly 9-in-10 Insiders feel it is important that their candidate shares their opinion on energy issues

## Importance of Energy Alignment with Political Candidates



RES CIP October 2019 – [Renewable Natural Gas]

Base: Total Respondents – 2018 (858), 2019 (928)

Q19: When thinking about all elections (local, state, and federal), how important is it to you that a candidate for political office share your opinion on energy issues?

↑/↓ Indicates significantly higher/lower than previous year at a 95% level of confidence



## Demographics



The SoCalGas Insiders community is a group of residential customers who have agreed to participate in 3-4 brief online activities (i.e. surveys, discussions, quick polls) per month for a period of one year.



As incentive, for every activity a panelist completes, they earn an entry into a monthly sweepstakes for *one of five* Amazon gift cards as well as earning 100 points. After earning 1,000 points throughout the year, members can redeem this for a \$5 gift card.



This marks the 11<sup>th</sup> year SoCalGas has conducted a customer panel.



This year we invited 279,268 new customers and 2,214 existing panelists to be a part of the Residential Insiders community, with 3,201 new members joining (a join rate of 1.1%), and 812 existing members recommitting (36.5%)

**4,013**  
Residential  
Members



## SoCalGas Insiders Community Background

# Demographics

## Age



18 to 24	1%
25 to 34	7%
35 to 44	14%
45 to 54	19%
55 to 64	27%
65 to 74	23%
75 to 79	4%
80 years and older	7%

## Gender



## Education



Some high school or less	1%
High School or GED	6%
Associate's Degree	8%
Vocational / Technical Degree	5%
Some College	16%
Bachelor's Degree	33%
Master's Degree	22%
PhD or Doctorate	7%
Prefer not to answer	2%

## Ethnicity



Caucasian	67%
Hispanic or Latino	12%
African-American	3%
Asian or Pacific Islander	12%
Native American	<1%
Other	2%
Prefer not to answer	7%

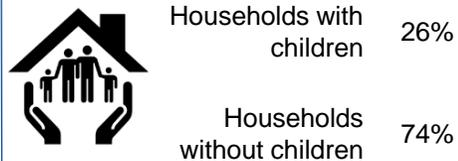
## Household Type

Single Family – Detached House	68%
Condominium / Townhouse / Duplex	18%
Apartment	12%
Mobile Home	2%
Other	0%

## Household Ownership



## Children in Household



## Household Income



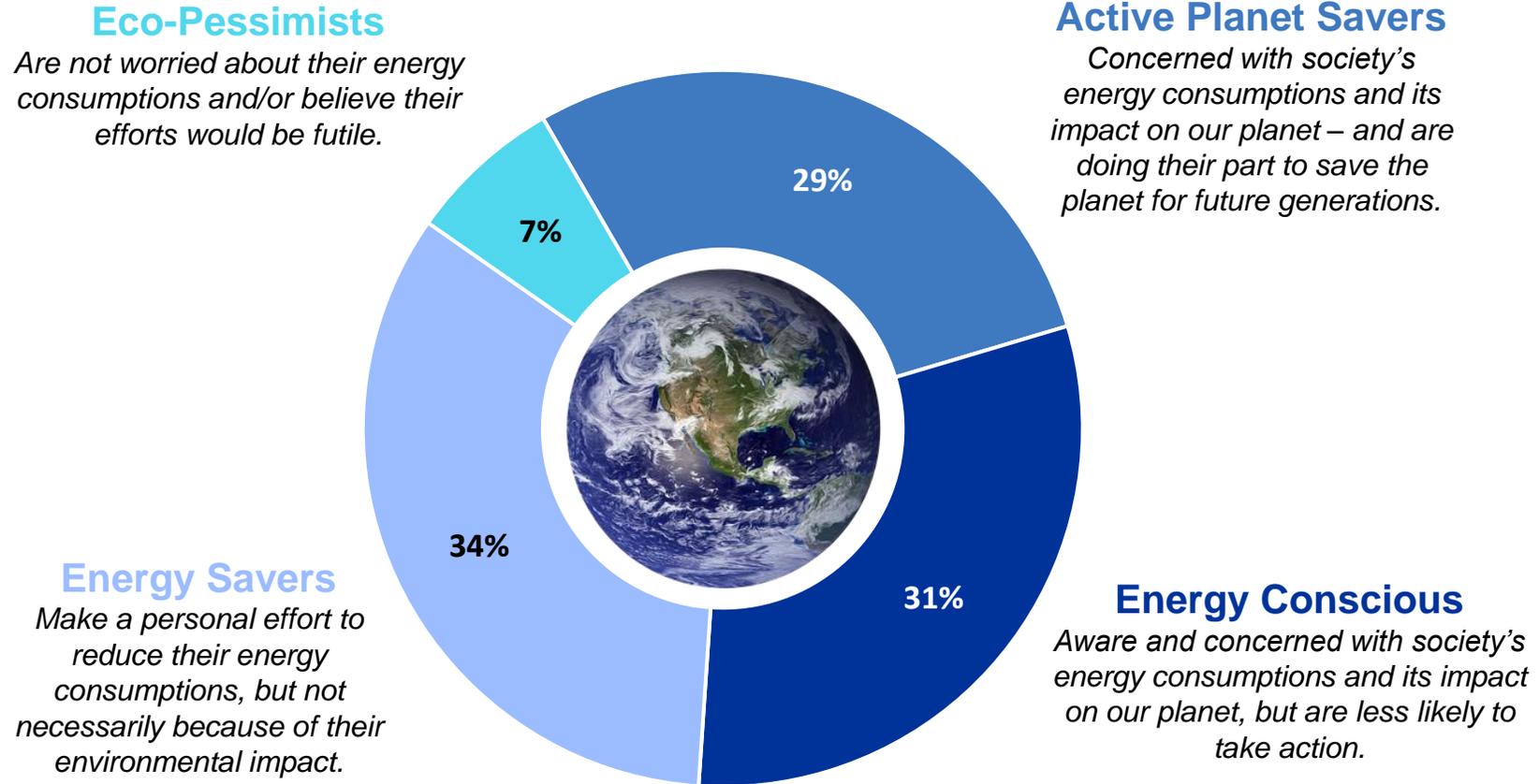
Less than \$25,000	9%
\$25,000 - \$50,000	13%
\$50,000 - \$75,000	13%
\$75,000 - \$100,000	12%
\$100,000 - \$150,000	16%
\$150,000 - \$200,000	9%
\$200,000 or more	9%
Prefer not to answer	19%

## DIY Comfort



Yes	92%
No	8%

# Energy Segmentation



RES CIP October 2019 – [Renewable Natural Gas]  
Base: Total Respondents (928)

# Background & Methodology

## Background

- **The main objective of the Renewable Natural Gas (RNG) study is to measure opinion of and interest in an RNG program by:**
  - Better understanding customer environmental beliefs
  - Gauging customer understanding of renewable energy and natural gas
  - Evaluating customer willingness to support RNG programs that directly purchase RNG versus those that support the development of projects that produce RNG
  - Presenting a solution and analyzing customer feedback
  - Determining how customer opinions have changed since last year

## Methodology

- **A survey was administered to the Residential Insider community, with the following details:**
  - Field start: 11/07/2019
  - Field end: 11/11/2019
  - Initial Send: 3,956
  - Completions: 928
  - Completion Rate: 23%
  - Length of Survey: 6 minutes

# ATTACHMENT C



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INNOVATION | RNG

# GREEN TARIFF PROPOSAL

## DELIVERING CLEAN, RENEWABLE GAS TO CUSTOMERS

SoCalGas® is submitting a proposal to state regulators at the California Public Utilities Commission (CPUC) that will empower customers with the option of purchasing a portion of their natural gas from renewable sources. Our Green Tariff proposal will help customers reach their own sustainability goals and reduce their carbon footprint by displacing traditional fossil fuel with clean, renewable natural gas (RNG). It will also help the state achieve its climate change goals by reducing methane and carbon dioxide emissions.

## HOW THE GREEN TARIFF WORKS

If approved by the CPUC, the volunteer program will be open to all residential customers and to commercial and industrial customers for whom SoCalGas purchases natural gas. Residential customers who participate in the program will be able to choose how much of their natural gas will be supplied by renewable sources by selecting from set dollar amounts. Commercial and industrial customers for whom SoCalGas purchases natural gas will be able to select either from set dollar amounts or a percentage of their total natural gas load.

Residential customers will be required to participate for at least one year, and commercial and industrial customers will be required to participate for at least two years. The commitments are necessary to allow SoCalGas to enter into longer term renewable natural gas purchase contracts, which should help reduce overall program costs.

This tariff will allow SoCalGas to buy RNG from producers and reduce the amount of fossil natural gas that is brought into our system.

The CPUC will review the proposal, and SoCalGas is hopeful to begin offering the program soon, as early 2020, pending approval.<sup>1</sup>

## RENEWABLE NATURAL GAS: WASTE TO ENERGY

Nearly 80 percent of methane emissions in California come from organic waste streams decomposing and escaping into the atmosphere as greenhouse gas.<sup>2</sup> RNG is produced from renewable sources, including these existing municipal waste streams, like landfills and waste water treatment plants, as well as sustainable biomass sources, including animal waste, crop residue, and food waste.

By collecting this gas to create renewable fuel, SoCalGas is moving waste streams to recycled use to reduce greenhouse gas emissions and address climate change.

## FIND OUT MORE

For more information, please visit:

[socalgas.com/rng](https://socalgas.com/rng)

<sup>1</sup> Final details and requirements of the proposed program may vary depending on Commission decision and commencement of program.

<sup>2</sup> [www.arb.ca.gov/cc/inventory/background/ch4.htm](http://www.arb.ca.gov/cc/inventory/background/ch4.htm)

# RENEWABLE NATURAL GAS

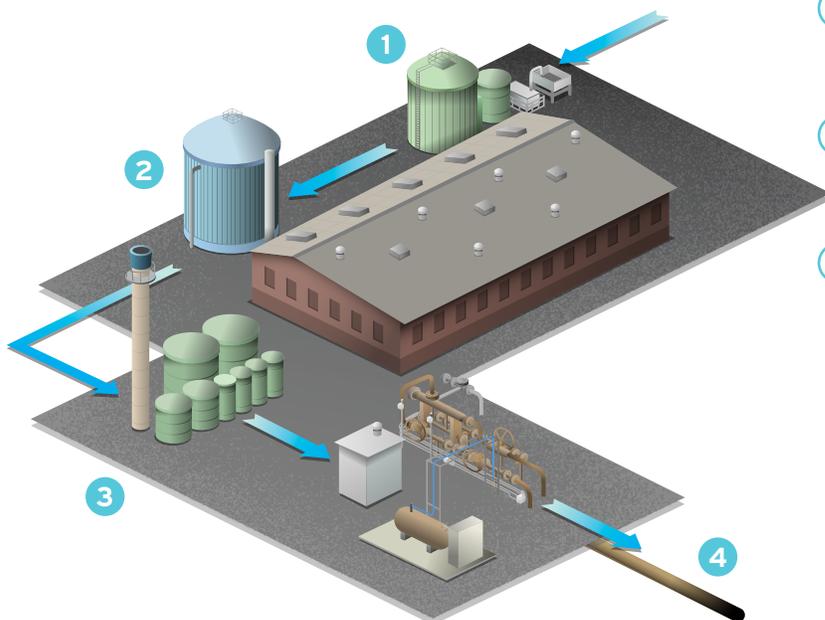
## PART OF CALIFORNIA'S RENEWABLE ENERGY FUTURE

### WHAT IS RENEWABLE NATURAL GAS?

Traditionally, pipeline natural gas comes from deep underground wells and is often associated with petroleum production. On the other hand, renewable natural gas (RNG) is natural gas derived from organic waste material found on the surface of the earth. In California, and throughout the United States, there are a variety of sources of this organic waste, which we see in daily life. These include food waste, garden and lawn clippings, animal and plant-based material as well as degradable carbon sources such as paper, cardboard and wood. The abundance of this material can allow for production of biogas in significant quantities.

The most common source of biogas is the naturally-occurring biological breakdown of organic waste at facilities such as wastewater treatment plants and landfills. Biogas typically consists of methane and carbon dioxide, with traces of other elements. Biogas is cleaned and conditioned to remove or reduce non-methane elements in order to produce RNG. The converted RNG is then put into the utility pipeline as a replacement for traditional natural gas. This process helps promote the safe and reliable operation of the natural gas pipeline distribution network as well as the natural gas equipment and appliances used by customers.

### HOW ORGANIC WASTE IS CONVERTED INTO RNG



- ① Waste products, such as sludge, food waste or manure are processed in a biodigester.
- ② The biodigester breaks down the organic material to create biogas – a mixture of methane and other elements.
- ③ The biogas can then be processed and conditioned leaving behind RNG, which can be used interchangeably with traditional natural gas.
- ④ This RNG can be used where it is produced for things like generating electricity or fueling vehicles, or it can be injected into a utility pipeline for transportation to other customers.

## GREENHOUSE GAS REDUCTIONS

RNG comes from organic sources that originally removed carbon dioxide from the atmosphere during photosynthesis, so it is considered a carbon-neutral fuel. Often, RNG can be produced from organic waste that would otherwise decay and create methane emissions. Capturing these methane emissions can actually make RNG a carbon-negative fuel by removing emissions from the atmosphere. Reducing carbon dioxide and other greenhouse gas levels is important to help reduce global warming.

## GREEN ENERGY AROUND THE CLOCK HELPS CALIFORNIA'S ECONOMY

Unlike certain other sources of renewable energy, such as solar and wind technologies, RNG is available 24 hours per day, seven days a week. It can be deployed when and where it is needed through the existing pipeline network. Converting waste products into RNG can help California meet its energy needs with local resources. Investing in RNG production in California can create jobs in all regions of the state while improving air quality by better managing our waste streams.

## UP TO 400 PERCENT CARBON DIOXIDE REDUCTIONS FOR TRANSPORTATION

A study conducted by the University of California at Davis estimates that more than 20 percent of California's current residential natural gas use can be provided by RNG derived from our state's existing organic waste alone<sup>1</sup>. This can help reduce the need for other fossil-based fuels, and increase our supplies with a local renewable fuel. According to the California Air Resources Board<sup>2</sup>, RNG sourced from landfill-diverted food and green waste can provide a 125 percent carbon dioxide reduction, and RNG from dairy manure can result in a 400 percent carbon dioxide reduction when replacing traditional vehicle fuels.

<sup>1</sup> "The Feasibility of Renewable Natural Gas as a Large-Scale, Low Carbon Substitute", Prepared for the California Air Resources Board and the California Environmental Protection Agency by Amy Jaffe, Principal Investigator. STEPS Program, Institute of Transportation Studies, UC Davis: <https://www.arb.ca.gov/research/apr/past/13-307.pdf>

<sup>2</sup> "Low Carbon Fuel Standard Pathway Certified Carbon Intensities": <https://www.arb.ca.gov/fuels/lcfs/fuelpathways/pathwaytable.htm>

The information contained herein is made available solely for informational purposes. Although SoCalGas has used reasonable efforts to assure the accuracy of the information at the time of its inclusion, no express or implied representation is made that it is free from error or suitable for any particular use or purpose. SoCalGas assumes no responsibility for any use thereof by you, and you should discuss decisions related to this subject with your own advisors and experts.



More than half of all natural gas dispensed in California for transportation utilize RNG, powering buses, refuse trucks and heavy-duty trucks.

## SOCALGAS® IS A SUPPORTER OF RNG

As part of our commitment to help the environment and support California in meeting its greenhouse gas reduction goals, SoCalGas® offers expertise and assistance to customers and project developers who want to convert organic waste material into biogas or RNG. Through our network of natural gas pipelines, SoCalGas offers the opportunity for RNG to be accepted into our transmission and distribution system and delivered to our customers.

### FIND OUT MORE

For more information visit:

**[socialgas.com/rq](https://socialgas.com/rq)**

Or contact our Market Development Team at:  
**[marketdevelopment@semprautilities.com](mailto:marketdevelopment@semprautilities.com)**



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## NEWS RELEASE

### **SoCalGas and Electrochaea Announce Commissioning of New Biomethanation Reactor System Pilot Project**

*Innovative project with U.S. Department of Energy's National Renewable Energy Laboratory converts renewable electricity into renewable methane for storage in existing natural gas pipelines*

LOS ANGELES, August 13, 2019 – [Southern California Gas Co.](#) (SoCalGas) and [Electrochaea](#) today announced the commissioning of the nation's first scalable biomethanation reactor system at the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) Energy System Integration Facility in Golden, Colo. The technology uses renewable electricity to convert hydrogen into pipeline quality methane for use in homes, businesses and in transportation. Over the next 24 months, the project will assess the commercial viability of this power-to-gas approach to energy storage and decarbonization and provide insights into potential mega-watt scale system designs. The announcement was made in conjunction with NREL's third annual Partner Forum.

Biomethane, or renewable natural gas, is created through this bioreactor system in a two-step process. First, renewable electricity, generated by the sun, passes through an electrolyzer where water molecules are split into hydrogen and oxygen, storing the renewable electricity as hydrogen gas. The newly-created "green" hydrogen is combined with carbon dioxide and piped into the reactor where [archaea microorganisms](#) produce renewable natural gas by consuming hydrogen and carbon dioxide and emitting methane. The system is capable of recycling carbon dioxide from a myriad of sources, such as ethanol plants and anaerobic digesters, preventing greenhouse gas emissions and displacing the consumption of fossil methane. The catalyst was originally developed at the University of Chicago and the basic methanation system was designed by Electrochaea and demonstrated in Europe.

The project in Colorado builds upon and advances research previously conducted by Electrochaea of Munich, Germany. The reactor system operates at a 50 to 60 percent efficiency. For every 10 kilowatts-hour of power received by the water electrolysis model, the equivalent of 5 to 6 kilowatts-hour of methane is created by the microbes.

"This is an exciting time in the development of clean energy," said Yuri Freedman, senior director of business development for SoCalGas. "In order to achieve our climate goals, we need to find solutions to the difficult problem faced with renewables like wind and solar – the issue of intermittency, and extensive mismatches between the periods of renewable energy generation and consumer demand. This project shows our existing natural gas pipeline infrastructure can store excess renewable energy for periods of time ranging from seconds to months."

“We are pleased to be a part of this partnership and to see biomethanation provide a versatile tool for the nation’s renewable energy portfolio”, commented Mich Hein, CEO of Electrochaea. “With SoCalGas and NREL demonstrating the scalability of this technology we can soon realize safe and reliable storage of renewable energy well beyond the capacity of batteries. A simultaneous benefit will be lowering the overall carbon intensity of the natural gas grid, as we have already accomplished with parts of the electrical power grid.”

The next phase of the project will focus on improving the process efficiency, automating plant operations, reducing capital costs and identifying locations in the western U.S., including California, where grid-scale energy storage would be most beneficial and cost-effective.

Studies show that without long-term storage solutions, by 2025 California is expected to waste enough renewable energy each year to power Los Angeles County, the most populous county in the United States, for more than a month.

Electrolytic hydrogen, renewable natural gas and nascent technologies like biomethanation and long-term energy storage through power and gas grid integration are part of [SoCalGas’ integrated plan](#) to help California achieve its ambitious climate goals.

###

## About SoCalGas

Headquartered in Los Angeles, [SoCalGas®](#) is the [largest natural gas distribution utility](#) in the United States. SoCalGas delivers affordable, reliable, clean and increasingly renewable natural gas service to 21.8 million customers across [24,000 square miles](#) of Central and Southern California, where more than 90 percent of residents use natural gas for heating, hot water, cooking, drying clothes or other uses. Natural gas delivered through the company's pipelines also plays a key role in providing electricity to Californians— about [45 percent of electric power generated](#) in the state comes from gas-fired power plants.

SoCalGas’ vision is to be the [cleanest natural gas utility in North America](#), delivering affordable and increasingly renewable energy to its customers. In support of that vision, SoCalGas is committed to replacing 20 percent of its traditional natural gas supply with renewable natural gas (RNG) by 2030. Renewable natural gas is made from waste created by dairy farms, landfills and wastewater treatment plants. SoCalGas is also committed to investing in its natural gas system infrastructure while keeping bills affordable for our customers. From 2014 through 2018, the company invested nearly \$6.5 billion to upgrade and modernize its natural gas system to enhance safety and reliability. SoCalGas is a subsidiary of [Sempra Energy](#) (NYSE: SRE), an energy services holding company based in San Diego. For more information visit [socalgas.com/newsroom](#) or connect with SoCalGas on [Twitter](#) (@SoCalGas), [Instagram](#) (@SoCalGas) and [Facebook](#).

## About Electrochaea

On the basis of biocatalysis, Electrochaea offers a power-to-gas key technology which has been patented internationally. It cost-effectively recycles CO2 and simultaneously produces storable and versatile usable

Renewable Natural Gas from renewable electrical energy. The first industrial scale plant operates successfully in Denmark.

Plants of more than one gigawatt of capacity are targeted by 2025. Managing directors are Mich Hein (CEO) and Doris Hafenbradl (CTO). As CBO & Director of Business Strategy, Francesco di Bari is responsible for business development activities. Gorm Teper completes the management team as Director of Project Execution.



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## **NEWS RELEASE**

### **Renewable Natural Gas Now Flowing into SoCalGas Pipelines from Calgren Dairy Digester Pipeline Cluster**

*Calgren Dairy Fuels dairy digester pipeline cluster--California's first--captures methane from cow manure to reduce greenhouse gas emissions and provide a carbon-negative fuel*

LOS ANGELES, February 14, 2019 – [Southern California Gas Co.](#) (SoCalGas) and biogas producer [Calgren Dairy Fuels](#) (Calgren) today announced that renewable natural gas produced at Calgren's dairy digester facility in Pixley, California is being injected into SoCalGas pipelines. The project marks the first time that carbon-negative renewable natural gas produced from cow manure has been injected directly into SoCalGas' natural gas system. In August 2018, SoCalGas began receiving renewable natural gas into its system from CR&R, Inc.'s anaerobic digestion facility in Perris, California. The renewable natural gas from that digestion facility is already being used to fuel about 400 waste hauling trucks. Renewable natural gas is a carbon-negative fuel produced from waste and agriculture that can be used in trucks and buses, to generate electricity, fuel heating systems in homes and businesses, and for cooking.

"Developing renewable natural gas is a smart and cost-effective solution to reducing greenhouse gas emissions from the transportation and building sectors," said Sharon Tomkins SoCalGas vice president for customer solutions and strategy. "Replacing just 16 to 20 percent of our traditional natural gas with renewable natural gas would reduce emissions equal to electrifying 100 percent of buildings in the state, but it would be two to three times more cost-effective. Moreover, the renewable natural gas solution does not require expensive appliance changeouts or costly new mandates."

"We are proud of what we have accomplished here," said Lyle Schlyer, Calgren's President. "The benefits of this partnership between dairy farmers, private industry and SoCalGas are numerous. We produce clean renewable natural gas for use as a carbon-negative fuel which benefits the local community through cleaner air and jobs."

"Renewable natural gas options have presented themselves as an incredibly viable way of achieving our environmental sustainability goals," said Assemblymember Devon J. Mathis. "Tulare County is the dairy capital of the world, and it's wonderful to see a logical blend of agriculture and technology in a way which benefits everyone. The potential for these technologies is outstanding and deserves to be further developed and funded."

"The biogas project brought to Tulare County by Calgren will be a welcomed economic benefit to Tulare County communities," said Pete Vander Poel, Vice Chair of the Tulare County Board of Supervisors.

"This new energy sector will not only reduce greenhouse gases and improve air quality, it will provide real job opportunities for County residents and economic growth."

Calgren's facility, known as a dairy digester pipeline cluster, will collect biogas from anaerobic digesters at 12 Tulare County dairies then clean it to produce pipeline-quality renewable natural gas. This is the first such dairy digester pipeline cluster in California and is expected to be the largest dairy biogas operation in the U.S. when Calgren adds 9 additional dairies later this year. The facility will capture the methane produced from the manure of more than 75,000 cows, preventing about 130,000 tons of greenhouse gas from entering the atmosphere each year, the equivalent of taking more than 25,000 passenger cars off the road for a year.

SoCalGas will be capable of adding up to 2.26 billion cubic feet of renewable natural gas each year to its pipeline system from the facility, enough to fuel more than 1,200 Class 8 heavy duty trucks.

Renewable natural gas can be produced from dairy manure, food waste, landfills, and wastewater treatment plants and other sources. Capturing this otherwise wasted gas and turning it into a renewable fuel significantly reduces greenhouse gas emissions from these waste sources.

Research shows that California can achieve the same greenhouse gas emissions reductions as electrifying 100 percent of the state's buildings by displacing 16 to 20 percent of traditional natural gas with renewable natural gas sourced from dairies, landfills and wastewater treatment plants. This scenario is two to three times more cost-effective than mandated electrification and does not require expensive appliance change outs or impose limitations on the forms of energy Californians can choose.

A renewable natural gas solution to reducing emissions from the transportation and building sectors is also consistent with the mandate under Senate Bill 1383 to reduce short-lived climate pollutants, 80 percent of which comes from waste streams, dairies and agriculture. Today, there are already 24 California dairy methane capture projects either operating or in development, and experts estimate there could be as many as 120 projects funded and operating in next five years. In addition, as the state seeks to divert organic waste from landfills and capture emissions from wastewater treatment plants, more and more renewable natural gas will become available.

The Calgren project and others like it are partly funded under California's Dairy Digester Research and Development Program, which aims to reduce greenhouse gas emissions from manure generated at state dairy farms. Calgren's preference is to provide renewable fuel for existing CNG refuelers in California via SoCalGas' pipeline system. However, the Calgren facility is also able to use the renewable gas to indirectly produce a high-octane gasoline additive or in a new biodiesel plant that will come online midyear.

### **Another source of renewable energy for California**

As California policymakers have sought to expand the production and use of renewable energy, SoCalGas has been working to increase the amount of renewable natural gas produced in California and delivered to its customers. Renewable natural gas can be produced from waste at landfills, wastewater treatment plants, food processing and dairies.

Consumer preference polls support the increased production and use of renewable natural gas. Research shows nine out of 10 California families use natural gas in their homes and prefer it by a margin of 4 to 1 over electricity. In addition, strong majorities of consumers—nearly 80 percent—prefer to use natural gas for cooking in their homes, and nearly two-thirds of consumers believe gas is their most affordable energy choice. According to the American Gas Association (AGA), households that use natural gas for water and space

heating, cooking and clothes drying save an average of \$874 per year compared to homes using electricity for those applications.

In addition, unlike solar and wind energy, renewable natural gas is available when needed—day or night—for use in homes or electric generation.

Renewable natural gas has already begun to clean the air and reduce greenhouse gas emissions in California's transportation sector, which accounts for more than 80 percent of smog forming emissions and about 40 percent of greenhouse gas emissions in the state. The latest generation of natural gas engines for heavy duty vehicles can reduce smog-forming emissions by more than 90 percent. When fueled with renewable natural gas, they can reduce greenhouse gas emissions by 80 percent or more. Already, more than 60 percent of natural gas trucks in California are fueled by renewable gas delivered by SoCalGas pipelines.

For more information on renewable natural gas, go to: [socialgas.com/smart-energy](https://socialgas.com/smart-energy)

###

### **About SoCalGas**

Headquartered in Los Angeles, [SoCalGas®](#) is the [largest natural gas distribution utility](#) in the United States. SoCalGas delivers affordable, reliable, clean and increasingly renewable natural gas service to 21.8 million customers across [24,000 square miles](#) of Central and Southern California, where more than 90 percent of residents use natural gas for heating, hot water, cooking, drying clothes or other uses. Natural gas delivered through the company's pipelines also plays a key role in providing electricity to Californians—about [60 percent of electric power generated](#) in the state comes from gas-fired power plants.

SoCalGas is committed to investing in its natural gas system infrastructure, while keeping bills affordable for our customers. From 2013 through 2017, the company spent nearly \$6 billion to upgrade and modernize its natural gas system to enhance safety and reliability. The company is also committed to being a leader in the region's clean energy future, and is working to accelerate the use of [renewable natural gas](#) from dairy farms, landfills and wastewater treatment plants and the development of renewable energy storage technologies. SoCalGas is a subsidiary of [Sempra Energy](#) (NYSE: SRE), an energy services holding company based in San Diego. For more information visit [socialgas.com/newsroom](https://socialgas.com/newsroom) or connect with SoCalGas on [Twitter](#) (@SoCalGas), [Instagram](#) (@SoCalGas) and [Facebook](#).

### **About Calgren Dairy Fuels, LLC**

With its affiliates, Calgren has been producing renewable fuels in California's Central Valley since 2008. The carbon intensity of its fuel ethanol is among the lowest available. As a result of its pipeline dairy digester project, Calgren will be able to add renewable compressed natural gas to its slate of products. The company is also constructing a facility to produce biodiesel from waste feed stocks without the use of chemical catalysts.

Yesterday, SoCalGas announced has filed a request with the California Public Utilities Commission seeking to offer [renewable natural gas](#) (RNG) to its 21 million customers in Central and Southern California. Renewable natural gas is produced from waste and agriculture and can be used just like traditional natural gas. The fuel assists in helping California reduce its greenhouse gas emissions because it is carbon-neutral or carbon-negative, meaning that it can take more GHG emissions out of the air than it emits as an energy source.

Under our proposed program, millions of Californians would have the option to purchase a portion of their natural gas from renewable sources, just as many people today can opt to purchase renewable electricity. The program is expected to create increased demand for renewable natural gas, which should encourage more production, and thus increase supply and lower cost of the fuel over time, similar to what has happened with renewable electricity created from wind and solar power.

Using renewable natural gas is a [sensible solution to making homes and commercial buildings carbon-neutral](#). Replacing just 16-20 percent of our state's traditional natural gas with renewable natural gas would [reduce emissions equal to switching to 100% all-electric homes and buildings, but at one-third the cost](#). Moreover, the renewable natural gas solution does not require the expense of switching out natural gas appliances for electric ones, and aligns with consumers' preference for natural gas appliances. Learn more about renewable natural gas and how it can help address California's clean air and climate change goals via [this link](#).

You can find the [filed RNG tariff](#) on SoCalGas website.

# ATTACHMENT D

## SoCalGas Consumption Calculations

<b>Assumptions</b>	<b>Residential</b>	<b>Small C&amp;I</b>	<b>Med C&amp;I</b>	<b>Lrg C&amp;I</b>	<b>Participants</b>
Total Available Market (SoCalGas)	5,688,267	200,000	50,000	6,519	<b>Therms</b>
Servicable Available Market	3,924,904	138,000	34,500	4,498	
Servicable Obtainable Market	1,609,211	51,060	12,765	1,664	
Annual Consumption	420	3,600	12,000	75,000	
Annual RNG Consumption (Therms)	36	192	4,500	37,500	
Percentage RNG	9%	5%	38%	50%	
Subscription	\$ 10.00	\$ 50.00	38%	50%	
Est RNG Tariff Price	\$3.00	\$3.00	\$3.00	\$3.00	
Annual RNG Cost	\$ 108.00	\$ 576.00	\$ 13,500.00	\$ 112,500.00	
<b>Projected Consumption at Year 1</b>					
LOW - Participating Customers	2,844	40	3	0	2,887
MED - Participating Customers	5,688	100	10	1	5,800
HIGH - Participating Customers	11,377	140	20	3	11,539
<b>LOW - Annual Consumption (Therms)</b>	<b>102,389</b>	<b>7,680</b>	<b>11,250</b>	<b>12,223</b>	<b>133,542</b>
<b>MED - Annual Consumption (Therms)</b>	<b>204,778</b>	<b>19,200</b>	<b>45,000</b>	<b>48,893</b>	<b>317,870</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>409,555</b>	<b>26,880</b>	<b>90,000</b>	<b>97,785</b>	<b>624,220</b>
<b>Projected Consumption at Year 2</b>					
LOW - Participating Customers	5,688	80	5	1	5,774
MED - Participating Customers	11,377	200	20	3	11,599
HIGH - Participating Customers	22,753	280	40	5	23,078
<b>LOW - Annual Consumption (Therms)</b>	<b>204,778</b>	<b>15,360</b>	<b>22,500</b>	<b>24,446</b>	<b>267,084</b>
<b>MED - Annual Consumption (Therms)</b>	<b>409,555</b>	<b>38,400</b>	<b>90,000</b>	<b>97,785</b>	<b>635,740</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>819,110</b>	<b>53,760</b>	<b>180,000</b>	<b>195,570</b>	<b>1,248,440</b>
<b>Projected Consumption at Year 3</b>					
LOW - Participating Customers	8,532	120	8	1	8,661
MED - Participating Customers	17,065	300	30	4	17,399
HIGH - Participating Customers	34,130	420	60	8	34,617
<b>LOW - Annual Consumption (Therms)</b>	<b>307,166</b>	<b>23,040</b>	<b>33,750</b>	<b>36,669</b>	<b>400,626</b>
<b>MED - Annual Consumption (Therms)</b>	<b>614,333</b>	<b>57,600</b>	<b>135,000</b>	<b>146,678</b>	<b>953,610</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>1,228,666</b>	<b>80,640</b>	<b>270,000</b>	<b>293,355</b>	<b>1,872,661</b>
<b>Projected Consumption at Year 4</b>					
LOW - Participating Customers	11,377	160	10	1	11,548
MED - Participating Customers	22,753	400	40	5	23,198
HIGH - Participating Customers	45,506	560	80	10	46,157
<b>LOW - Annual Consumption (Therms)</b>	<b>409,555</b>	<b>30,720</b>	<b>45,000</b>	<b>48,893</b>	<b>534,168</b>
<b>MED - Annual Consumption (Therms)</b>	<b>819,110</b>	<b>76,800</b>	<b>180,000</b>	<b>195,570</b>	<b>1,271,480</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>1,638,221</b>	<b>107,520</b>	<b>360,000</b>	<b>391,140</b>	<b>2,496,881</b>
<b>Projected Consumption at Year 5</b>					
LOW - Percent Participation per year	0.250%	0.100%	0.025%	0.025%	
MED - Percent Participation per year	0.500%	0.250%	0.100%	0.100%	
HIGH - Percent Participation per year	1.000%	0.350%	0.200%	0.200%	
LOW - Participating Customers	14,221	200	13	2	14,435
MED - Participating Customers	28,441	500	50	7	28,998
HIGH - Participating Customers	56,883	700	100	13	57,696
<b>LOW - Annual Consumption (Therms)</b>	<b>511,944</b>	<b>38,400</b>	<b>56,250</b>	<b>61,116</b>	<b>667,710</b>
<b>MED - Annual Consumption (Therms)</b>	<b>1,023,888</b>	<b>96,000</b>	<b>225,000</b>	<b>244,463</b>	<b>1,589,351</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>2,047,776</b>	<b>134,400</b>	<b>450,000</b>	<b>488,925</b>	<b>3,121,101</b>

## SoCalGas Consumption Calculations

### Variables/Assumptions

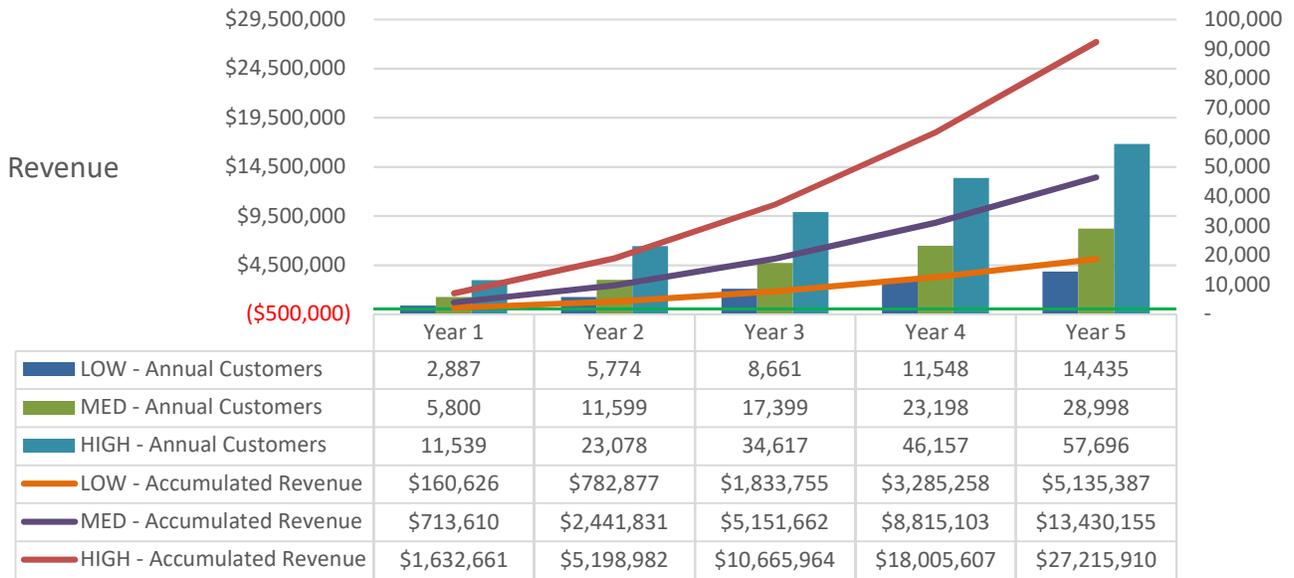
Program Charge	\$	0.230
Sml Core C&I Avg Mo Usage		300
Med Core C&I Avg Mo Usage		1000
Lrg Core C&I Avg Mo Usage		6250
Cost for Therm RNG		\$3.00
Residential % willing to pay more		0.69 2019 CIA residential survey
Business % willing to pay more		0.65 2018 CIA Business survey
Residential protect the environment all the time		0.41 2019 CIA residential survey
Business protect the environment all the time		0.37 2019 CIA Business survey

SoCalGas Revenue Calculations

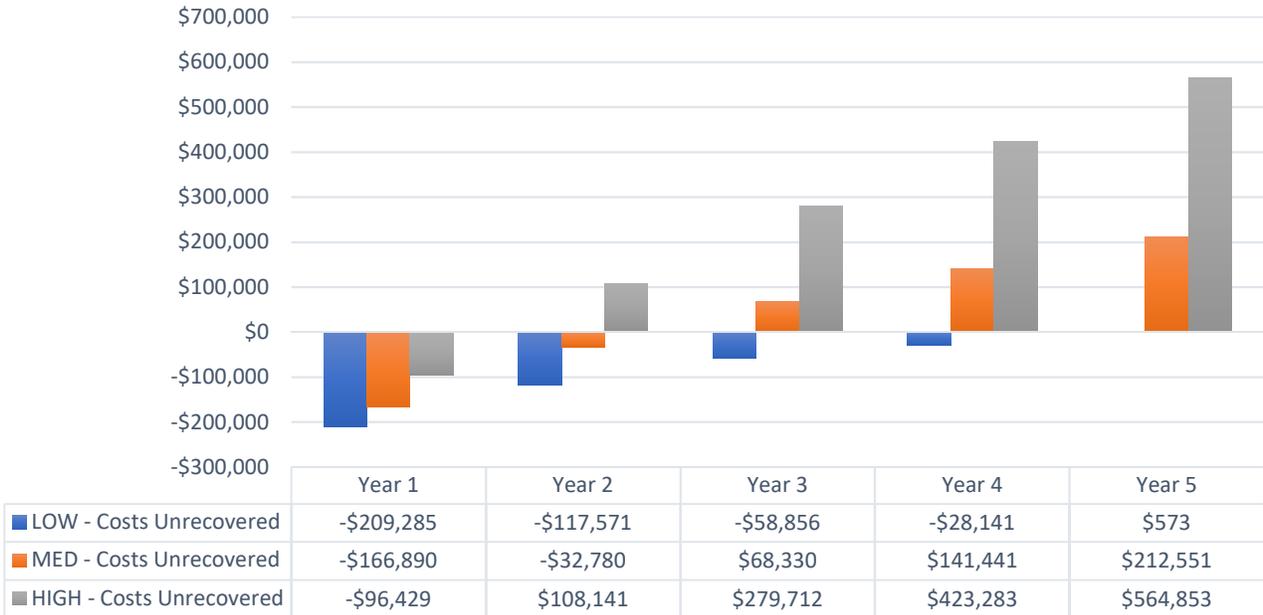
	Year 1	Year 2	Year 3	Year 4	Year 5	5 Year Total
<b>Participation</b>						
LOW - Annual Residential Customers	2,844	5,688	8,532	11,377	14,221	
MED - Annual Residential Customers	5,688	11,377	17,065	22,753	28,441	
HIGH - Annual Residential Customers	11,377	22,753	34,130	45,506	56,883	
LOW - Annual Commercial Customers	43	86	128	171	214	
MED - Annual Commercial Customers	111	223	334	445	557	
HIGH - Annual Commercial Customers	163	325	488	650	813	
LOW - Annual Customers	2,887	5,774	8,661	11,548	14,435	
MED - Annual Customers	5,800	11,599	17,399	23,198	28,998	
HIGH - Annual Customers	11,539	23,078	34,617	46,157	57,696	
<b>Revenue</b>						
LOW - Revenue from Program Fees	\$ 400,626	\$ 801,252	\$ 1,201,877	\$ 1,602,503	\$ 2,003,129	\$ 6,009,387
MED - Revenue from Program Fees	\$ 953,610	\$ 1,907,221	\$ 2,860,831	\$ 3,814,441	\$ 4,768,052	\$ 14,304,155
HIGH - Revenue from Program Fees	\$ 1,872,661	\$ 3,745,321	\$ 5,617,982	\$ 7,490,643	\$ 9,363,303	\$ 28,089,910
<b>Expenses SoCalGas</b>						
Program Management	\$ 74,000	\$ 76,000	\$ 47,000	\$ 49,000	\$ 50,000	\$ 296,000
Green-e Certification (or other vendor)	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000	\$ 135,000
Acquisition System Enhancements	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ 34,000
Acquisition Program Management	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 70,000
Micellaneous	\$ 3,000	\$ 3,000	\$ 3,000	\$ -	\$ -	\$ 9,000
Marketing	\$ 90,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 330,000
<i>Total Expenses</i>	\$ 240,000	\$ 179,000	\$ 151,000	\$ 151,000	\$ 153,000	\$ 874,000
	\$ 174,800					
<i>LOW - Net Revenue</i>	\$ 160,626	\$ 622,252	\$ 1,050,877	\$ 1,451,503	\$ 1,850,129	\$5,135,387
<i>MED - Net Revenue</i>	\$ 713,610	\$ 1,728,221	\$ 2,709,831	\$ 3,663,441	\$ 4,615,052	\$13,430,155
<i>HIGH - Net Revenue</i>	\$ 1,632,661	\$ 3,566,321	\$ 5,466,982	\$ 7,339,643	\$ 9,210,303	\$27,215,910
<i>LOW - Accumulated Revenue</i>	\$160,626	\$782,877	\$1,833,755	\$3,285,258	\$5,135,387	
<i>MED - Accumulated Revenue</i>	\$713,610	\$2,441,831	\$5,151,662	\$8,815,103	\$13,430,155	
<i>HIGH - Accumulated Revenue</i>	\$1,632,661	\$5,198,982	\$10,665,964	\$18,005,607	\$27,215,910	
<i>LOW - Therms</i>	133,542	267,084	400,626	534,168	667,710	1,515,086
<i>LOW - Costs Recovered</i>	\$30,715	\$61,429	\$92,144	\$122,859	\$153,573	
<i>LOW - Costs Unrecovered</i>	-\$209,285	-\$117,571	-\$58,856	-\$28,141	\$573	
<i>MED - Therms</i>	317,870	635,740	953,610	1,271,480	1,589,351	3,286,024
<i>MED - Costs Recovered</i>	\$73,110	\$146,220	\$219,330	\$292,441	\$365,551	
<i>MED - Costs Unrecovered</i>	-\$166,890	-\$32,780	\$68,330	\$141,441	\$212,551	
<i>HIGH - Therms</i>	624,220	1,248,440	1,872,661	2,496,881	3,121,101	6,508,688
<i>HIGH - Costs Recovered</i>	\$143,571	\$287,141	\$430,712	\$574,283	\$717,853	
<i>HIGH - Costs Unrecovered</i>	-\$96,429	\$108,141	\$279,712	\$423,283	\$564,853	

## SoCalGas Graphs

### SoCalGas Revenue and Customer for High, Medium & Low Participation



### Recovered Costs by Year at : \$0.23 per Therm



San Diego Gas and Electric Consumption Calculations

<b>Assumptions</b>	<b>Residential</b>	<b>Small C&amp;I</b>	<b>Med C&amp;I</b>	<b>Lrg C&amp;I</b>	<b>Participants</b>
Total Available Market (SDG&E)	863,017	20,000	700	136	<b>136</b>
Servicable Available Market	595,482	13,800	483	94	
Servicable Obtainable Market	244,148	5,106	179	35	
Annual Consumption	420	3,600	12,000	75,000	
Annual RNG Consumption (Therms)	36	192	4,500	37,500	
Percentage RNG	9%	5%	38%	50%	
Subscription	\$ 10.00	\$ 50.00	38%	50%	
Est RNG Tariff Price	\$3.00	\$3.00	\$3.00	\$3.00	
Annual RNG Cost	\$ 108.00	\$ 576.00	\$ 13,500.00	\$ 112,500.00	
<b>Projected Consumption at Year 1</b>					
LOW - Participating Customers	432	4	0	0	436
MED - Participating Customers	863	10	0	0	873
HIGH - Participating Customers	1,726	14	0	0	1,740
<b>LOW - Annual Consumption (Therms)</b>	<b>15,534</b>	<b>768</b>	<b>158</b>	<b>255</b>	<b>16,715</b>
<b>MED - Annual Consumption (Therms)</b>	<b>31,069</b>	<b>1,920</b>	<b>630</b>	<b>1,020</b>	<b>34,639</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>62,137</b>	<b>2,688</b>	<b>1,260</b>	<b>2,040</b>	<b>68,125</b>
<b>Projected Consumption at Year 2</b>					
LOW - Participating Customers	863	8	0	0	871
MED - Participating Customers	1,726	20	0	0	1,746
HIGH - Participating Customers	3,452	28	1	0	3,481
<b>LOW - Annual Consumption (Therms)</b>	<b>31,069</b>	<b>1,536</b>	<b>315</b>	<b>510</b>	<b>33,430</b>
<b>MED - Annual Consumption (Therms)</b>	<b>62,137</b>	<b>3,840</b>	<b>1,260</b>	<b>2,040</b>	<b>69,277</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>124,274</b>	<b>5,376</b>	<b>2,520</b>	<b>4,080</b>	<b>136,250</b>
<b>Projected Consumption at Year 3</b>					
LOW - Participating Customers	1,295	12	0	0	1,307
MED - Participating Customers	2,589	30	0	0	2,620
HIGH - Participating Customers	5,178	42	1	0	5,221
<b>LOW - Annual Consumption (Therms)</b>	<b>46,603</b>	<b>2,304</b>	<b>473</b>	<b>765</b>	<b>50,144</b>
<b>MED - Annual Consumption (Therms)</b>	<b>93,206</b>	<b>5,760</b>	<b>1,890</b>	<b>3,060</b>	<b>103,916</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>186,412</b>	<b>8,064</b>	<b>3,780</b>	<b>6,120</b>	<b>204,376</b>
<b>Projected Consumption at Year 4</b>					
LOW - Participating Customers	1,726	16	0	0	1,742
MED - Participating Customers	3,452	40	1	0	3,493
HIGH - Participating Customers	6,904	56	1	0	6,961
<b>LOW - Annual Consumption (Therms)</b>	<b>62,137</b>	<b>3,072</b>	<b>630</b>	<b>1,020</b>	<b>66,859</b>
<b>MED - Annual Consumption (Therms)</b>	<b>124,274</b>	<b>7,680</b>	<b>2,520</b>	<b>4,080</b>	<b>138,554</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>248,549</b>	<b>10,752</b>	<b>5,040</b>	<b>8,160</b>	<b>272,501</b>
<b>Projected Consumption at Year 5</b>					
LOW - Percent Participation per year	0.250%	0.100%	0.025%	0.025%	
MED - Percent Participation per year	0.500%	0.250%	0.100%	0.100%	
HIGH - Percent Participation per year	1.000%	0.350%	0.200%	0.200%	
LOW - Participating Customers	2,158	20	0	0	2,178
MED - Participating Customers	4,315	50	1	0	4,366
HIGH - Participating Customers	8,630	70	1	0	8,702
<b>LOW - Annual Consumption (Therms)</b>	<b>77,672</b>	<b>3,840</b>	<b>788</b>	<b>1,275</b>	<b>83,574</b>
<b>MED - Annual Consumption (Therms)</b>	<b>155,343</b>	<b>9,600</b>	<b>3,150</b>	<b>5,100</b>	<b>173,193</b>
<b>HIGH - Annual Consumption (Therms)</b>	<b>310,686</b>	<b>13,440</b>	<b>6,300</b>	<b>10,200</b>	<b>340,626</b>

## San Diego Gas and Electric Consumption Calculations

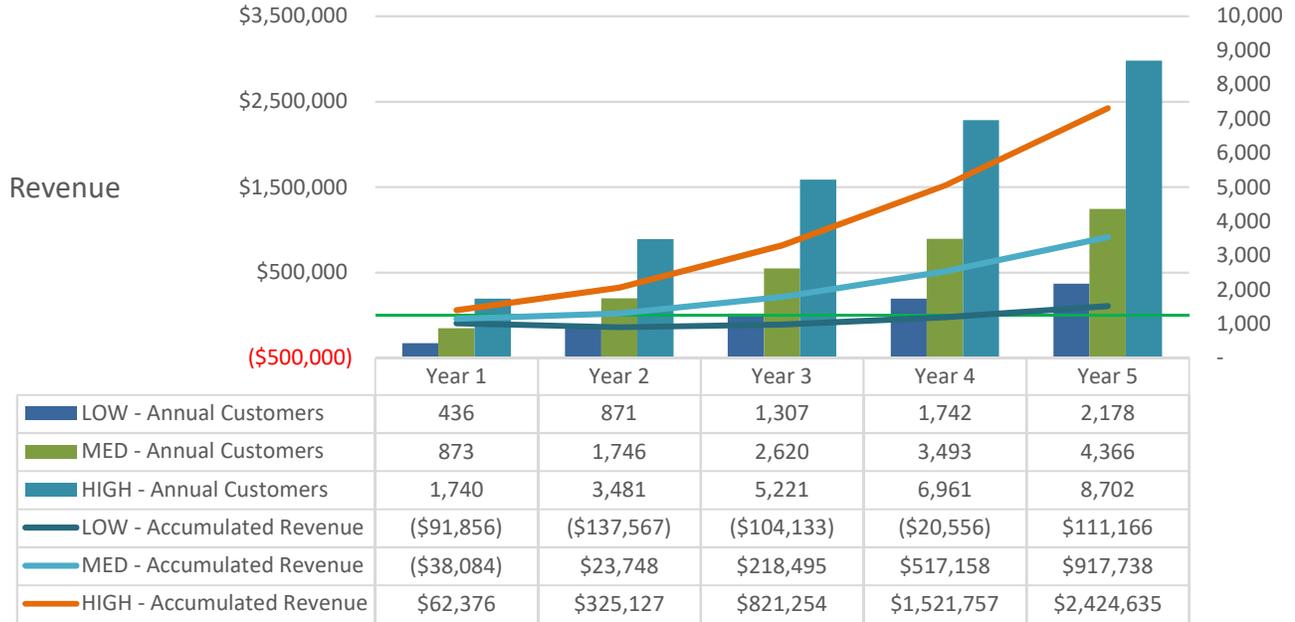
Variables/Assumptions	
Program Charge	\$ 1.42
Sml Core C&I Avg Mo Usage	300
Med Core C&I Avg Mo Usage	1000
Lrg Core C&I Avg Mo Usage	6250
Cost for Therm RNG	\$3.00
Residential % willing to pay more	0.69 2019 CIA residential survey
Business % willing to pay more	0.65 2018 CIA Business survey
Residential protect the environment all the time	0.41 2019 CIA residential survey
Business protect the environment all the time	0.37 2019 CIA Business survey

San Diego Gas and Electric Revenue Calculations

	Year 1	Year 2	Year 3	Year 4	Year 5	5 Year Total
<b>Participation</b>						
LOW - Annual Residential Customers	432	863	1,295	1,726	2,158	
MED - Annual Residential Customers	863	1,726	2,589	3,452	4,315	
HIGH - Annual Residential Customers	1,726	3,452	5,178	6,904	8,630	
LOW - Annual Commercial Customers	4	8	12	16	20	
MED - Annual Commercial Customers	10	20	31	41	51	
HIGH - Annual Commercial Customers	14	29	43	57	72	
LOW - Annual Customers	436	871	1,307	1,742	2,178	
MED - Annual Customers	873	1,746	2,620	3,493	4,366	
HIGH - Annual Customers	1,740	3,481	5,221	6,961	8,702	
<b>Revenue</b>						
LOW - Revenue from Program Fees	\$ 50,144	\$ 100,289	\$ 150,433	\$ 200,578	\$ 250,722	\$ 752,166
MED - Revenue from Program Fees	\$ 103,916	\$ 207,832	\$ 311,748	\$ 415,663	\$ 519,579	\$ 1,558,738
HIGH - Revenue from Program Fees	\$ 204,376	\$ 408,751	\$ 613,127	\$ 817,503	\$ 1,021,878	\$ 3,065,635
<b>Expenses SDG&amp;E</b>						
Program Management	\$ 74,000	\$ 77,000	\$ 47,000	\$ 49,000	\$ 50,000	\$ 297,000
Green-e Certification (or other vendor)	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000	\$ 135,000
Micellaneous	\$ 3,000	\$ 3,000	\$ 3,000	\$ -	\$ -	\$ 9,000
Marketing	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000
<i>Total Expenses</i>	\$ 142,000	\$ 146,000	\$ 117,000	\$ 117,000	\$ 119,000	\$ 641,000
<i>LOW - Net Revenue</i>	\$ (91,856)	\$ (45,711)	\$ 33,433	\$ 83,578	\$ 131,722	\$111,166
<i>MED - Net Revenue</i>	\$ (38,084)	\$ 61,832	\$ 194,748	\$ 298,663	\$ 400,579	\$917,738
<i>HIGH - Net Revenue</i>	\$ 62,376	\$ 262,751	\$ 496,127	\$ 700,503	\$ 902,878	\$2,424,635
<i>LOW - Accumulated Revenue</i>	(\$91,856)	(\$137,567)	(\$104,133)	(\$20,556)	\$111,166	
<i>MED - Accumulated Revenue</i>	(\$38,084)	\$23,748	\$218,495	\$517,158	\$917,738	
<i>HIGH - Accumulated Revenue</i>	\$62,376	\$325,127	\$821,254	\$1,521,757	\$2,424,635	
<i>LOW - Therms</i>	16,715	33,430	50,144	66,859	83,574	1,515,086
<i>LOW - Costs Recovered</i>	\$23,735	\$47,470	\$71,205	\$94,940	\$118,675	
<i>LOW - Costs Unrecovered</i>	-\$118,265	-\$98,530	-\$45,795	-\$22,060	-\$325	
<i>MED - Therms</i>	34,639	69,277	103,916	138,554	173,193	3,286,024
<i>MED - Costs Recovered</i>	\$49,187	\$98,374	\$147,560	\$196,747	\$245,934	
<i>MED - Costs Unrecovered</i>	-\$92,813	-\$47,626	\$30,560	\$79,747	\$126,934	
<i>HIGH - Therms</i>	68,125	136,250	204,376	272,501	340,626	6,508,688
<i>HIGH - Costs Recovered</i>	\$96,738	\$193,476	\$290,213	\$386,951	\$483,689	
<i>HIGH - Costs Unrecovered</i>	-\$45,262	\$47,476	\$173,213	\$269,951	\$364,689	

## San Diego Gas and Electric Graphs

### SDG&E Revenue and Customer for High, Medium & Low Participation



### Unrecovered Costs by Year at : \$1.42 per Therm

