

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking on the Commission's  
Own Motion to Conduct a Comprehensive  
Examination of Investor Owned Electric Utilities'  
Residential Rate Structures, the Transition to Time  
Varying and Dynamic Rates, and Other Statutory  
Obligations.

Rulemaking 12-06-013  
(Filed June 21, 2012)

**ERRATA TO PHASE 1 ADDITIONAL SUPPLEMENTARY TESTIMONY OF SAN  
DIEGO GAS & ELECTRIC COMPANY (U902E) PURSUANT TO ALJ RULING**

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Dated: August 19, 2014

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking on the Commission's Own Motion to Conduct a Comprehensive Examination of Investor Owned Electric Utilities' Residential Rate Structures, the Transition to Time Varying and Dynamic Rates, and Other Statutory Obligations.

Rulemaking 12-06-013  
(Filed June 21, 2012)

**ERRATA TO PHASE 1 ADDITIONAL SUPPLEMENTARY TESTIMONY OF SAN DIEGO GAS & ELECTRIC COMPANY (U902E) PURSUANT TO ALJ RULING**

San Diego Gas & Electric Company ("SDG&E") hereby submits an Errata to the Additional Supplementary Testimony it served on July 23, 2014 pursuant to the Ruling of ALJ McKinney (issued July 11, 2014) and then re-served with re-formatted tables on July 30, 2014. The attached Errata revises SDG&E's response the following question:

- (5) Energy Efficiency, Demand Response and Distributed Generation Programs:
  - d. Estimate total load reduction and peak period reduction or load shifting using the "Conservation Tab" of the PG&E RROIR Bill Impact Calculator or an equivalent tool. Use an appropriate elasticity assumption and justify and explain your choice of elasticity assumption.

Through the attached Errata, SDG&E corrects an error resulting from an incorrect calculation in the "Estimated New kWh Quantity" field in the "non Care" tables in four tabs within the spreadsheet ("Conservation Tab (-.1)", "Conservation Tab (-.2)", "Conservations Tab (-.1) NEM adj", and the "TOU Conservation Tab"). (Please note that the same field in the CARE tables set forth in the Additional Testimony served on July 30 is correct.) The error that is being corrected through this Errata does not affect the results presented in the summary tab or the percent changed numbers in SDG&E's July 23 Additional Testimony. Even though the error

does not result in a material change to any of the results presented in the spreadsheet, SDG&E is serving this Errata to ensure that that all formulas in the cells are correct.

SDG&E's Errata to the Additional Testimony it served on July 23, 2014 in response to the ALJ's Order is attached hereto as Appendix "A." SDG&E appreciates the opportunity to submit this Errata.

Dated: August 19, 2014

San Diego Gas & Electric Company

*/s/ Thomas R. Brill*

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## **APPENDIX A**

Note: SDG&E is using its authorized sales from D.14-01-002. SDG&E did not apply its sales forecast to this response.

**Elasticity Assumption of -.1**

	2015-2017 kWh Change	2015-2017 kWh Total	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	37,510,285	5,566,762,291	0.67%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(8,436,478)	1,419,814,967	-0.59%
	<u>29,073,807</u>	<u>6,986,577,259</u>	<u>0.42%</u>
Total non-CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	43,282,684	5,566,762,291	0.78%
Total CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	(6,623,727)	1,419,814,967	-0.47%
	<u>36,658,958</u>	<u>6,986,577,259</u>	<u>0.52%</u>

**Elasticity Assumption of -.2**

	2015-2017 kWh Change	2015-2017 kWh Total	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	75,020,571	5,566,762,291	1.35%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(16,872,956)	1,419,814,967	-1.19%
	<u>58,147,615</u>	<u>6,986,577,259</u>	<u>0.83%</u>
Total non-CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	86,565,369	5,566,762,291	1.56%
Total CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	(13,247,454)	1,419,814,967	-0.93%
	<u>73,317,915</u>	<u>6,986,577,259</u>	<u>1.05%</u>

**Elasticity Assumption of -.1 with NEM Cap reached**

Assumption that NEM Cap is reached , effect is that total consumption is reduced by 7% -- no conservation

	kWh total	kWh Change	New Annual kWh	Change in total consumption
Bottom Tiers (1 & 2)	4,660,836,287	139,313,503	4,521,522,785	-3%
Upper Tiers (3 & 4)	2,325,740,971	325,064,839	2,000,676,132	-14%
Total	6,986,577,259	464,378,342	6,522,198,917	-7%

	2015-2017 kWh Change	2015-2017 kWh Total	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	29,989,510	5,195,259,618	0.58%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(8,743,676)	1,326,939,299	-0.66%
	<u>21,245,834</u>	<u>6,522,198,917</u>	<u>0.33%</u>
Total non-CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	35,433,263	5,195,259,618	0.68%
Total CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	(7,037,441)	1,326,939,299	-0.53%
	<u>28,395,822</u>	<u>6,522,198,917</u>	<u>0.44%</u>

**TOU Elasticity Assumption of -.2**

	2015-2017 kWh Change	2015-2017 kWh Total	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	46,235,601	5,566,762,291	0.83%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(40,351,397)	1,419,814,967	-2.84%
	<u>5,884,203</u>	<u>6,986,577,259</u>	<u>0.08%</u>

## Conservation Tab (-.1)

	2015-2017 kWh		
	2015-2017 kWh Change Total	2015-2017 kWh	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	37,510,285	5,566,762,291	0.67%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(8,436,478)	1,419,814,967	-0.59%
	29,073,807	6,986,577,259	0.42%
Total non-CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	43,282,684	5,566,762,291	0.78%
Total CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	(6,623,727)	1,419,814,967	-0.47%
	36,658,958	6,986,577,259	0.52%

Note: SDG&E is using its authorized sales from D.14-01-002. SDG&E did not apply its sales forecast to this response.

### SDG&E 2015-2017 Price Elasticity of Energy - non CARE

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	1,445,135,097	0.15396	0.18375	19%	(0.10)	-1.93%	(27,962,181)	1,417,172,916
Tier 2	293,387,123	0.17778	0.18375	3%	(0.10)	-0.34%	(985,218)	292,401,904
Tier 3	457,471,011	0.33323	0.23888	-28%	(0.10)	2.83%	12,952,732	470,423,743
Tier 4	677,029,294	0.35323	0.23888	-32%	(0.10)	3.24%	21,917,249	698,946,544
<b>Total</b>							<b>37,510,285</b>	<b>0.67%</b>
<b>Winter</b>								
Tier 1	1,562,553,827	0.15396	0.15469	0%	(0.10)	-0.05%	(740,884)	1,561,812,943
Tier 2	282,330,795	0.17778	0.15469	-13%	(0.10)	1.30%	3,666,902	285,997,696
Tier 3	405,933,950	0.29351	0.20110	-31%	(0.10)	3.15%	12,780,606	418,714,556
Tier 4	442,921,195	0.31351	0.20110	-36%	(0.10)	3.59%	15,881,079	458,802,274
<b>Total</b>							<b>5,566,762,291</b>	<b>0.67%</b>

Note: Using SDG&E's Current Baseline

### SDG&E 2015-2017 Price Elasticity of Energy CARE

Energy (Tiers)	CARE (Schedule DRU) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	433,534,801	0.10051	0.12480	24%	(0.10)	-2.42%	(10,477,393)	423,057,408
Tier 2	73,848,096	0.11762	0.12480	6%	(0.10)	-0.61%	(450,727)	73,397,369
Tier 3	98,315,652	0.17344	0.16501	-5%	(0.10)	0.49%	477,944	98,793,597
Tier 4	94,883,848	0.17344	0.16501	-5%	(0.10)	0.49%	461,261	95,345,109
<b>Total</b>							<b>1,419,814,967</b>	<b>-0.59%</b>
<b>Winter</b>								
Tier 1	500,461,047	0.10051	0.10361	3%	(0.10)	-0.31%	(1,540,672)	498,920,375
Tier 2	69,585,502	0.11762	0.10361	-12%	(0.10)	1.19%	829,279	70,414,781
Tier 3	85,636,691	0.16204	0.13745	-15%	(0.10)	1.52%	1,299,497	86,936,188
Tier 4	63,549,330	0.16204	0.13745	-15%	(0.10)	1.52%	964,332	64,513,662
<b>Total</b>							<b>6,986,577,259</b>	<b>0.59%</b>

Note: Using SDG&E's Current Baseline

6,986,577,259    6,986,577,259    7,056,443,031

### SDG&E 2015-2017 Price Elasticity of Energy - non CARE

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	1,445,135,097	0.15396	0.18187	18%	(0.10)	-1.81%	(26,197,532)	1,418,937,565
Tier 2	293,387,123	0.17778	0.18187	2%	(0.10)	-0.23%	(674,965)	292,712,157
Tier 3	457,471,011	0.33323	0.23643	-29%	(0.10)	2.90%	13,289,078	470,760,089
Tier 4	677,029,294	0.35323	0.23643	-33%	(0.10)	3.31%	22,386,836	699,416,130
<b>Total</b>							<b>43,282,684</b>	<b>0.78%</b>
<b>Winter</b>								
Tier 1	1,562,553,827	0.15396	0.15281	-1%	(0.10)	0.07%	1,167,145	1,563,720,972
Tier 2	282,330,795	0.17778	0.15281	-14%	(0.10)	1.40%	3,965,463	286,296,258
Tier 3	405,933,950	0.29351	0.19865	-32%	(0.10)	3.23%	13,119,449	419,053,399
Tier 4	442,921,195	0.31351	0.19865	-37%	(0.10)	3.66%	16,227,211	459,148,406
<b>Total</b>							<b>5,566,762,291</b>	<b>0.78%</b>

Note: Using SDG&E's RDW Baseline

### SDG&E 2015-2017 Price Elasticity of Energy CARE

Energy (Tiers)	CARE (Schedule DRU) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	433,534,801	0.10051	0.12342	23%	(0.10)	-2.28%	(9,882,768)	423,652,033
Tier 2	73,848,096	0.11762	0.12342	6%	(0.10)	-0.49%	(364,174)	73,483,922
Tier 3	98,315,652	0.17344	0.16322	-5%	(0.10)	0.59%	579,246	98,894,898
Tier 4	94,883,848	0.17344	0.16322	-6%	(0.10)	0.59%	559,027	95,442,875
<b>Total</b>							<b>1,419,814,967</b>	<b>-0.47%</b>
<b>Winter</b>								
Tier 1	500,461,047	0.10051	0.10223	2%	(0.10)	-0.17%	(854,253)	499,606,795
Tier 2	69,585,502	0.11762	0.10223	-13%	(0.10)	1.31%	910,836	70,496,337
Tier 3	85,636,691	0.16204	0.13566	-16%	(0.10)	1.63%	1,393,942	87,030,633
Tier 4	63,549,330	0.16204	0.13566	-16%	(0.10)	1.63%	1,034,418	64,583,748
<b>Total</b>							<b>6,986,577,259</b>	<b>-0.47%</b>

Note: Using SDG&E's RDW Baseline

	2015-2017 kWh		
	2015-2017 kWh Change	Total	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	75,020,571	5,566,762,291	1.35%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(16,872,956)	1,419,814,967	-1.19%
	58,147,615	6,986,577,259	0.83%
Total non-CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	86,565,369	5,566,762,291	1.56%
Total CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	(13,247,454)	1,419,814,967	-0.93%
	73,317,915	6,986,577,259	1.05%

Note: SDG&E is using its authorized sales from D.14-01-002. SDG&E did not apply its sales forecast to this response.

### SDG&E 2015-2017 Price Elasticity of Energy - non CARE

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity	
<b>Summer</b>									
Tier 1	1,445,135,097	0.15396	0.18375	19%	(0.20)	-3.87%	(55,924,363)	1,389,210,734	
Tier 2	293,387,123	0.17778	0.18375	3%	(0.20)	-0.67%	(1,970,437)	291,416,686	
Tier 3	457,471,011	0.33323	0.23888	-28%	(0.20)	5.66%	25,905,465	483,376,475	
Tier 4	677,029,294	0.35323	0.23888	-32%	(0.20)	6.47%	43,834,499	720,863,793	
							<b>Total</b>	<b>75,020,571</b>	<b>1.35%</b>
<b>Winter</b>									
Tier 1	1,562,553,827	0.15396	0.15469	0%	(0.20)	-0.09%	(1,481,767)	1,561,072,060	
Tier 2	282,330,795	0.17778	0.15469	-13%	(0.20)	2.60%	7,333,804	289,664,598	
Tier 3	405,933,950	0.29351	0.20110	-31%	(0.20)	6.30%	25,561,212	431,495,162	
Tier 4	442,921,195	0.31351	0.20110	-36%	(0.20)	7.17%	31,762,158	474,683,353	
							<b>Total</b>	<b>5,566,762,291</b>	<b>1.35%</b>

Note: Using SDG&E's Current Baseline

### SDG&E 2015-2017 Price Elasticity of Energy CARE

Energy (Tiers)	CARE (Schedule DRLI) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity	
<b>Summer</b>									
Tier 1	433,534,801	0.10051	0.12480	24%	(0.20)	-4.83%	(20,954,786)	412,580,015	
Tier 2	73,848,096	0.11762	0.12480	6%	(0.20)	-1.22%	(901,454)	72,946,643	
Tier 3	98,315,652	0.17344	0.16501	-5%	(0.20)	0.97%	955,889	99,271,541	
Tier 4	94,883,848	0.17344	0.16501	-5%	(0.20)	0.97%	922,523	95,806,371	
							<b>Total</b>	<b>(16,872,956)</b>	<b>-1.19%</b>
<b>Winter</b>									
Tier 1	500,461,047	0.10051	0.10361	3%	(0.20)	-0.62%	(3,081,344)	497,379,703	
Tier 2	69,585,502	0.11762	0.10361	-12%	(0.20)	2.38%	1,658,558	71,244,060	
Tier 3	85,636,691	0.16204	0.13745	-15%	(0.20)	3.03%	2,598,995	88,235,686	
Tier 4	63,549,330	0.16204	0.13745	-15%	(0.20)	3.03%	1,928,664	65,477,994	
							<b>Total</b>	<b>1,419,814,967</b>	<b>-1.19%</b>

Note: Using SDG&E's Current Baseline

6,986,577,259 69865772.59 7,056,443,031

### SDG&E 2015-2017 Price Elasticity of Energy - non CARE

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity	
<b>Summer</b>									
Tier 1	1,445,135,097	0.15396	0.18187	18%	(0.20)	-3.63%	(52,395,064)	1,392,740,033	
Tier 2	293,387,123	0.17778	0.18187	2%	(0.20)	-0.46%	(1,349,931)	292,037,192	
Tier 3	457,471,011	0.33323	0.23643	-29%	(0.20)	5.81%	26,578,156	484,049,166	
Tier 4	677,029,294	0.35323	0.23643	-33%	(0.20)	6.61%	44,773,672	721,802,967	
							<b>Total</b>	<b>86,565,369</b>	<b>1.56%</b>
<b>Winter</b>									
Tier 1	1,562,553,827	0.15396	0.15281	-1%	(0.20)	0.15%	2,334,291	1,564,888,118	
Tier 2	282,330,795	0.17778	0.15281	-14%	(0.20)	2.81%	7,930,926	290,261,720	
Tier 3	405,933,950	0.29351	0.19865	-32%	(0.20)	6.46%	26,238,898	432,172,848	
Tier 4	442,921,195	0.31351	0.19865	-37%	(0.20)	7.33%	32,454,422	475,375,616	
							<b>Total</b>	<b>5,566,762,291</b>	<b>1.56%</b>

Note: Using SDG&E's RDW Baseline

### SDG&E 2015-2017 Price Elasticity of Energy CARE

Energy (Tiers)	CARE (Schedule DRLI) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity	
<b>Summer</b>									
Tier 1	433,534,801	0.10051	0.12342	23%	(0.20)	-4.56%	(19,765,536)	413,769,265	
Tier 2	73,848,096	0.11762	0.12342	5%	(0.20)	-0.99%	(728,348)	73,119,748	
Tier 3	98,315,652	0.17344	0.16322	-6%	(0.20)	1.18%	1,158,491	99,474,144	
Tier 4	94,883,848	0.17344	0.16322	-6%	(0.20)	1.18%	1,118,053	96,001,901	
							<b>Total</b>	<b>(13,247,454)</b>	<b>-0.93%</b>
<b>Winter</b>									
Tier 1	500,461,047	0.10051	0.10223	2%	(0.20)	-0.34%	(1,708,505)	498,752,542	
Tier 2	69,585,502	0.11762	0.10223	-13%	(0.20)	2.62%	1,821,671	71,407,173	
Tier 3	85,636,691	0.16204	0.13566	-16%	(0.20)	3.26%	2,787,885	88,424,576	
Tier 4	63,549,330	0.16204	0.13566	-16%	(0.20)	3.26%	2,068,835	65,618,165	
							<b>Total</b>	<b>1,419,814,967</b>	<b>-0.93%</b>

Note: Using SDG&E's RDW Baseline

	2015-2017 kWh		
	2015-2017 kWh Change Total	2015-2017 kWh	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	29,989,510	5,195,259,618	0.58%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(8,743,676)	1,326,939,299	-0.66%
	21,245,834	6,522,198,917	0.33%
Total non-CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	35,433,263	5,195,259,618	0.68%
Total CARE annual kWh change over the three year period with SDG&E's proposed RDW Baseline:	(7,037,441)	1,326,939,299	-0.53%
	28,395,822	6,522,198,917	0.44%

Note: SDG&E is using its authorized sales from D.14-01-002. SDG&E did not apply its sales forecast to this response.

### SDG&E 2017 Price Elasticity of Energy - non CARE

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	1,400,188,633	0.15396	0.18375	19%	(0.30)	-1.93%	(27,092,504)	1,373,096,129
Tier 2	284,262,222	0.17778	0.18375	3%	(0.30)	-0.34%	(954,676)	283,307,646
Tier 3	397,488,726	0.33323	0.23888	-28%	(0.30)	2.83%	11,254,407	408,743,133
Tier 4	588,259,157	0.35323	0.23888	-32%	(0.30)	3.24%	19,043,523	607,302,680
<b>Winter</b>								
Tier 1	1,513,955,416	0.15396	0.15469	0%	(0.30)	-0.05%	(717,841)	1,513,237,576
Tier 2	273,549,767	0.17778	0.15469	-13%	(0.30)	1.30%	3,552,854	277,102,621
Tier 3	352,709,056	0.29351	0.20110	-31%	(0.30)	3.15%	11,104,850	363,813,906
Tier 4	384,846,640	0.31351	0.20110	-36%	(0.30)	3.59%	13,798,798	398,645,437
	5,195,259,618					Total	29,989,510	0.58%

Note: Using SDG&E's Current Baseline

### SDG&E 2017 Price Elasticity of Energy CARE

Energy (Tiers)	CARE (Schedule DRLI) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	422,323,440	0.10051	0.12480	24%	(0.30)	-2.42%	(10,206,444)	412,116,996
Tier 2	71,938,359	0.11762	0.12480	6%	(0.30)	-0.61%	(439,071)	71,499,288
Tier 3	79,647,245	0.17344	0.16501	-5%	(0.30)	0.49%	387,191	80,034,436
Tier 4	76,867,080	0.17344	0.16501	-5%	(0.30)	0.49%	373,676	77,240,756
<b>Winter</b>								
Tier 1	487,518,950	0.10051	0.10361	3%	(0.30)	-0.31%	(1,500,830)	486,018,121
Tier 2	67,785,997	0.11762	0.10361	-12%	(0.30)	1.19%	807,833	68,593,830
Tier 3	69,375,795	0.16204	0.13745	-15%	(0.30)	1.52%	1,052,746	70,428,540
Tier 4	51,482,434	0.16204	0.13745	-15%	(0.30)	1.52%	781,222	52,263,656
	1,326,939,299					Total	(8,743,676)	-0.66%

Note: Using SDG&E's Current Baseline

### SDG&E 2017 Price Elasticity of Energy - non CARE

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	1,400,188,633	0.15396	0.18187	18%	(0.30)	-1.81%	(25,382,739)	1,374,805,894
Tier 2	284,262,222	0.17778	0.18187	2%	(0.30)	-0.23%	(653,973)	283,608,250
Tier 3	397,488,726	0.33323	0.23643	-29%	(0.30)	2.90%	11,546,652	409,035,378
Tier 4	588,259,157	0.35323	0.23643	-33%	(0.30)	3.31%	19,451,539	607,710,696
<b>Winter</b>								
Tier 1	1,513,955,416	0.15396	0.15281	-1%	(0.30)	0.07%	1,130,845	1,515,086,261
Tier 2	273,549,767	0.17778	0.15281	-14%	(0.30)	1.40%	3,842,129	277,391,897
Tier 3	352,709,056	0.29351	0.19865	-32%	(0.30)	3.23%	11,399,264	364,108,321
Tier 4	384,846,640	0.31351	0.19865	-37%	(0.30)	3.66%	14,099,545	398,946,185
	5,195,259,618					Total	35,433,263	0.68%

Note: Using RDW proposed Baseline

### SDG&E 2017 Price Elasticity of Energy CARE

Energy (Tiers)	CARE (Schedule DRLI) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity
<b>Summer</b>								
Tier 1	422,323,440	0.10051	0.12342	23%	(0.30)	-2.28%	(9,627,196)	412,696,244
Tier 2	71,938,359	0.11762	0.12342	5%	(0.30)	-0.49%	(354,756)	71,583,602
Tier 3	79,647,245	0.17344	0.16322	-6%	(0.30)	0.59%	469,257	80,116,502
Tier 4	76,867,080	0.17344	0.16322	-6%	(0.30)	0.59%	452,877	77,319,957
	650,776,124							
<b>Winter</b>								
Tier 1	487,518,950	0.10051	0.10223	2%	(0.30)	-0.17%	(832,161)	486,686,789
Tier 2	67,785,997	0.11762	0.10223	-13%	(0.30)	1.31%	887,281	68,673,278
Tier 3	69,375,795	0.16204	0.13566	-16%	(0.30)	1.63%	1,129,257	70,505,052
Tier 4	51,482,434	0.16204	0.13566	-16%	(0.30)	1.63%	838,000	52,320,434
	1,326,939,299					Total	(7,037,441)	-0.36%

Note: Using RDW proposed Baseline



	2015-2017 kWh		
	2015-2017 kWh Change	Total	Total Percent Change
Total non-CARE annual kWh change over the three year period with SDG&E's current Baseline:	46,235,601	5,566,762,291	0.83%
Total CARE annual kWh change over the three year period with SDG&E's current Baseline:	(40,351,397)	1,419,814,967	-2.84%
	5,884,203	6,986,577,259	0.08%

Note: SDG&E is using its authorized sales from D.14-01-002. SDG&E did not apply its sales forecast to this response.

### SDG&E 2015-2017 Price Elasticity of Energy - non CARE (TOU example)

Energy (Tiers)	Non-CARE (Schedule DR) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity	
<b>Summer</b>									
On-peak	637,811,000	0.23190	0.27279	18%	(0.20)	-3.53%	(22,495,334)	615,315,666	
Semi-peak	821,684,442	0.23190	0.22758	-2%	(0.20)	0.37%	3,058,375	824,742,817	
Off-peak	1,413,527,082	0.23190	0.19682	-15%	(0.20)	3.03%	42,760,962	1,456,288,044	
<b>Winter</b>									
On-peak	317,861,292	0.20372	0.21351	5%	(0.20)	-0.96%	(3,054,943)	314,806,350	
Semi-peak	985,908,755	0.20372	0.20196	-1%	(0.20)	0.17%	1,703,795	987,612,549	
Off-peak	1,389,969,720	0.20372	0.18594	-9%	(0.20)	1.75%	24,262,746	1,414,232,465	
							<b>Total</b>	<b>46,235,601</b>	<b>0.83%</b>

Note: Using SDG&E's Current Baseline

### SDG&E 2015-2017 Price Elasticity of Energy CARE (TOU example)

Energy (Tiers)	CARE (Schedule DRLI) Determinants (kWh)	Current Rate (\$/kWh)	Proposed Rate (\$/kWh)	Change in Price %	Price Elasticity of Demand (E <sub>d</sub> ) (dQ/Q) / (dP/P)	Estimated Change in quantity %	Estimated Change in annual kWh (dP/P) x E <sub>d</sub> x Q	Estimated New kWh Quantity	
<b>Summer</b>									
On-peak	164,704,259	0.12243	0.19914	63%	(0.10)	-6.27%	(10,319,933)	154,384,326	
Semi-peak	201,385,120	0.12243	0.16613	36%	(0.10)	-3.57%	(7,189,417)	194,195,702	
Off-peak	353,143,192	0.12243	0.14368	17%	(0.10)	-1.74%	(6,130,030)	347,013,162	
<b>Winter</b>									
On-peak	79,866,393	0.11493	0.15586	36%	(0.10)	-3.56%	(2,844,444)	77,021,949	
Semi-peak	258,514,905	0.11493	0.14743	28%	(0.10)	-2.83%	(7,310,498)	251,204,407	
Off-peak	362,201,099	0.11493	0.13574	18%	(0.10)	-1.81%	(6,557,075)	355,644,024	
							<b>Total</b>	<b>(40,351,397)</b>	<b>-2.84%</b>

Total Rates - Schedule DR and DR-LI - with SDG&E Proposal* - Current Baseline					
Non-CARE	GRC P2	No Revenues <sup>1</sup>			
		2015	2016	2017	2018
Monthly Service Fee (\$/Month)	0.00	5.00	7.50	10.00	10.21
Summer Energy Rates (cents/kWh)					
Tier 1	15.4	17.8	18.20	18.4	19.0
Tier 2	17.8	17.8	18.2	18.4	19.0
Tier 3	33.3	27.6	25.5	23.9	22.8
Tier 4	35.3	27.6	25.5	23.9	22.8
Winter Energy Rates (cents/kWh)					
Tier 1	15.4	15.3	15.5	15.5	15.8
Tier 2	17.8	15.3	15.5	15.5	15.8
Tier 3	29.4	23.8	21.7	20.1	19.0
Tier 4	31.4	23.8	21.7	20.1	19.0
Minimum Bill (\$/Day)	0.170	0.0	0.0	0.0	0.0
CARE					
Monthly Service Fee (\$/Month)	0.00	2.50	3.75	5.00	5.11
Summer Energy Rates (cents/kWh)					
Tier 1	10.1	11.0	11.8	12.5	12.9
Tier 2	11.8	11.0	11.8	12.5	12.9
Tier 3	17.3	17.6	16.9	16.5	15.7
Tier 4	17.3	17.6	16.9	16.5	15.7
Winter Energy Rates (cents/kWh)					
Tier 1	10.1	9.4	9.9	10.4	10.6
Tier 2	11.8	9.4	9.9	10.4	10.6
Tier 3	16.2	15.1	14.3	13.7	12.9
Tier 4	16.2	15.1	14.3	13.7	12.9
Minimum Bill (\$/Day)	0.136	0.0	0.0	0.0	0.0
CARE Effective Discount	39%	38%	36%	34%	34%

\*SDG&E's proposal is reflected beginning "No Revenues -2015"

Class Average Rates (cents/kWh)					
	GRC P2 <sup>1</sup>	No Revenues			
		2015	2016	2017	2018
Residential Class Average Rate	19.7	19.7	19.7	19.7	19.7
System Average Rate	18.2	18.2	18.2	18.2	18.2

<sup>1</sup> GRC P2 Implementation Rates with 2015 sales. This is the reference for 2015-2018  
<sup>2</sup> Rates reflect current baseline allowances

Note: Schedule DR and DR-LI are SDG&E's standard rate schedules for residential non-CARE and CARE service.

<https://www.sdge.com/sites/default/files/regulatory/index%20of%20Commission%20Questions%20and%20Responses%20with%20Reference%20to%20Supporting%20%20%20%20.pdf>

	Page 7		Page 8		
	2018 Default TOU	Optional TOU			
Monthly Service Fee					
0-3 kW	\$10.21	\$27.78			
3-6 kW	\$10.21	\$48.42			
6+ kW	\$10.21	\$79.53			
Summer Energy			Summer on-peak to off-peak rat	Summer Energy CARE discount	
On-Peak	0.27279	0.19631	1.99	On-Peak 0.1991367	
Semi-Peak	0.22758	0.15110		Semi-Peak 0.1661334	
Off-Peak	0.19682	0.12034		Off-Peak 0.1436786	
Winter Energy				Winter Energy	
On-Peak	0.21351	0.12444		On-Peak 0.1558623	
Semi-Peak	0.20196	0.11289		Semi-Peak 0.1474308	
Off-Peak	0.18594	0.09687		Off-Peak 0.1357362	
Summer 130% BL Credit	(0.03793)	0.00000			
Winter 130% BL Credit	(0.03163)	0.00000			

	Schedule DR - percentages based on determinants used in Jan 2014 RDW filing			ON kWh			SEMI kWh			OFF kWh		
	ON pct	SEMI pct	OFF pct									
Summer	2,873,022,595	22.20%	28.60%	49.20%	637,811,000	821,684,442	1,413,527,082					
Winter	2,693,739,767	11.80%	36.60%	51.60%	317,861,292	985,908,755	1,389,969,720					
Schedule DR annual kWh	5,566,762,291											

	Schedule DR-LI - percentages based on determinants used in Jan 2014 RDW filing			ON kWh			SEMI kWh			OFF kWh		
	ON pct	SEMI pct	OFF pct									
Summer	700,582,397	22.90%	28.00%	49.10%	164,704,259	201,385,120	353,143,192					
Winter	719,232,570	11.40%	36.90%	51.70%	79,866,393	258,514,905	362,201,099					
Schedule DR-LI Annual kWh	1,419,814,967											

Total Rates - Schedule DR and DR-LI - with SDG&E Proposal* - 2015 RDW Proposed					
Non-CARE	GRC P2	No Revenues <sup>1</sup>			
		2015	2016	2017	2018
Monthly Service Fee (\$/Month)	0.00	5.00	7.50	10.00	10.21
Summer Energy Rates (cents/kWh)					
Tier 1	15.4	17.8	18.0	18.2	18.8
Tier 2	17.8	17.8	18.0	18.2	18.8
Tier 3	33.3	26.8	25.2	23.6	22.6
Tier 4	35.3	26.8	25.2	23.6	22.6
Winter Energy Rates (cents/kWh)					
Tier 1	15.4	15.3	15.3	15.3	15.7
Tier 2	17.8	15.3	15.3	15.3	15.7
Tier 3	29.4	23.0	21.4	19.9	18.8
Tier 4	31.4	23.0	21.4	19.9	18.8
Minimum Bill (\$/Day)	0.170	0.0	0.0	0.0	0.0
CARE					
Monthly Service Fee (\$/Month)	0.00	2.50	3.75	5.00	5.11
Summer Energy Rates (cents/kWh)					
Tier 1	10.1	11.0	11.7	12.3	12.8
Tier 2	11.8	11.0	11.7	12.3	12.8
Tier 3	17.3	17.1	16.7	16.3	15.6
Tier 4	17.3	17.1	16.7	16.3	15.6
Winter Energy Rates (cents/kWh)					
Tier 1	10.1	9.4	9.8	10.2	10.5
Tier 2	11.8	9.4	9.8	10.2	10.5
Tier 3	16.2	14.6	14.1	13.6	12.8
Tier 4	16.2	14.6	14.1	13.6	12.8
Minimum Bill (\$/Day)	0.136	0.0	0.0	0.0	0.0
CARE Effective Discount	39%	38%	36%	34%	34%

\*SDG&E's proposal is reflected beginning "No Revenues -2015"

Class Average Rates (cents/kWh)					
	GRC P2 <sup>1</sup>	No Revenues			
		2015	2016	2017	2018
Residential Class Average Rate	19.7	19.7	19.7	19.7	19.7
System Average Rate	18.2	18.2	18.2	18.2	18.2

<sup>1</sup> GRC P2 Implementation Rates with 2015 sales. This is the reference for 2015-2018  
<sup>2</sup> Rates reflect 2015 RDW proposed baseline allowances

Note: Schedule DR and DR-LI are SDG&E's standard rate schedules for residential non-CARE and CARE service.

Note: SDG&E is using its authorized sales from D.14-01-002. SDG&E did not apply its sales forecast to this response.

Schedule DR	kWh	rate	weighted average rates	
			Percent kWh	
Summer				
Tier 1	1,445,135,097	0.15396	50%	0.07744
Tier 2	293,387,123	0.17778	10%	0.01815
Tier 3	457,471,011	0.33323	16%	0.05306
Tier 4	677,029,294	0.35323	24%	0.08324
			100%	0.23190
Winter				
Tier 1	1,562,553,827	0.15396	58%	0.08931
Tier 2	282,330,795	0.17778	10%	0.01863
Tier 3	405,933,950	0.29351	15%	0.04423
Tier 4	442,921,195	0.31351	16%	0.05155
	5,566,762,291		100%	0.20372
Schedule DR-LI				
Summer				
Tier 1	433,534,801	0.10051	62%	0.06220
Tier 2	73,848,096	0.11762	11%	0.01240
Tier 3	98,315,652	0.17344	14%	0.02434
Tier 4	94,883,848	0.17344	14%	0.02349
			100%	0.12243
Winter				
Tier 1	500,461,047	0.10051	70%	0.06994
Tier 2	69,585,502	0.11762	10%	0.01138
Tier 3	85,636,691	0.16204	12%	0.01929
Tier 4	63,549,330	0.16204	9%	0.01432
	1,419,814,967		100%	0.11493

	Current NEM	2017 NEM	NEM Cap	NEM distribution	
Res MW	178	270	449	Res	80%
Non-Res MW	90	68	158	Non-Res	20%
<b>Total MW</b>	<b>269</b>	<b>338</b>	<b>607</b>		
<b>Capacity Factor:</b>	<b>19.6%</b>	<b>19.6%</b>			
<b>PV Tier Offset:</b>					
<b>Lower Tier %</b>	<b>30%</b>	<b>30%</b>			
<b>Upper Tier %</b>	<b>70%</b>	<b>70%</b>			
<b>Lower Tier kWh</b>	<b>91,902,362</b>	<b>139,313,503</b>	<b>231,215,864</b>		
<b>Upper Tier kWh</b>	<b>214,438,844</b>	<b>325,064,839</b>	<b>539,503,683</b>		

Schedule DR		111,450,802	assume 80% of lower Tier NEM is in Schedule DR		
		260,051,871	assume 80% of Upper Tier NEM is in Schedule DR		
			reduction from NEM	NEM adjusted sales	
<b>Summer</b>					Summer total
Tier 1	1,445,135,097		44,946,464	1,400,188,633.24	3% 2,873,022,525
Tier 2	293,387,123		9,124,900	284,262,222.31	3%
Tier 3	457,471,011		59,982,285	397,488,725.55	13%
Tier 4	677,029,294		88,770,137	588,259,157.24	13%
<b>Winter</b>					Winter Total
Tier 1	1,562,553,827		48,598,411	1,513,955,416.26	3% 2,693,739,767
Tier 2	282,330,795		8,781,027	273,549,767.29	3%
Tier 3	405,933,950		53,224,894	352,709,056.32	13%
Tier 4	442,921,195		58,074,555	384,846,639.73	13%
		<b>5,566,762,291</b>			
Schedule DRLI		27,862,701	assume 20% of lower Tier NEM is in Schedule DR		
		65,012,968	assume 20% of Upper Tier NEM is in Schedule DR		
<b>Summer</b>					Summer total
Tier 1	433,534,801		11,211,361	422,323,440.23	3% 700,582,397
Tier 2	73,848,096		1,909,737	71,938,358.60	3%
Tier 3	98,315,652		18,668,407	79,647,245.03	19%
Tier 4	94,883,848		18,016,768	76,867,079.85	19%
<b>Winter</b>					Winter Total
Tier 1	500,461,047		12,942,097	487,518,950.41	3% 719,232,570
Tier 2	69,585,502		1,799,505	67,785,996.54	3%
Tier 3	85,636,691		16,260,896	69,375,794.73	19%
Tier 4	63,549,330		12,066,896	51,482,433.67	19%
		<b>1,419,814,967</b>			

Assumption that NEM Cap is reached , effect is that total consumption is reduced by 7%				
Bottom Tiers	4,660,836,287	139,313,503	4,521,522,785	3%
Upper Tiers	2,325,740,971	325,064,839	2,000,676,132	14%
<b>Total</b>	<b>6,986,577,259</b>	<b>464,378,342</b>	<b>6,522,198,917</b>	<b>7%</b>