Proceeding No.:	<u>A.10-07-</u>
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Exhibit No.: Witness:

Robert W. Hansen

Application of San Diego Gas & Electric Company (U 902 E) for Approval of its Proposals for Dynamic Pricing and Recovery of Incremental Expenditures Required for Implementation.

# PREPARED DIRECT TESTIMONY OF ROBERT W. HANSEN CHAPTER 4 SAN DIEGO GAS & ELECTRIC COMPANY

**BEFORE THE PUBLIC UTILITIES COMMISSION** 

OF THE STATE OF CALIFORNIA July 06, 2010



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1		PREPARED DIRECT TESTIMONY
2		OF
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4		CHAPTER 4
5	I. OVERV	IEW AND PURPOSE
6	The purp	pose of my testimony is to sponsor San Diego Gas & Electric Company's
7	(SDG&E) rate d	lesign methodology for each of the various rate proposals in this proceeding.
8	Overarching pol	licies that were followed in developing the rate designs are described in the
9	testimonies of S	DG&E witnesses Joseph S. Velasquez (Chapter 1), Glen C. Breed (Chapter 2)
10	and William G.	Saxe (Chapter 3). My testimony presents rate design proposals related to the
11	following:	
12	(1)	PeakShift at Work (PSW) Rate Design for small non-residential customers
13		with demands less than 20kW, identified as SDG&E's proposed Schedule
14		PSW;
15	(2)	TimeOfDay (TOD) commodity rates for nonresidential customers with
16		demands less than 20kW, identified as Schedules EECC-AS-TOD and EECC-
17		PA-TOD;
18	(3)	Optional PeakShift at Home (PSH) rates for residential customers, identified
19		as SDG&E's proposed Schedule PSH;
20	(4)	Optional TOD commodity rates for residential customers, identified as
21		Schedule EECC-DR-TOD-C;
22	(5)	New TOD Utility Distribution Company (UDC) schedule that applies to
23		customers opting into PSH or EECC-DR-TOD-C commodity rates, identified
24		as Schedule DR-TOD-C.
25	(6)	New UDC rate schedules for non-residential customers currently served under
26		Schedules A, AD, A-TOU, and PA identified as Schedules AS-TOD, AD-
27		TOD, A-TOD and PA-TOD.
		RWH-1

- (7) Propose that TOD commodity rates be applied to medium/large (M/L)
   customers on Schedules AD, A-TOU and PA, that opt-out of SDG&E's
   current Critical Peak Pricing Default service (CPP-D);
- 4 (8) Typical bill and class-average rate impacts associated with the proposed
  5 annual revenue requirement increases.

My testimony will describe the rate structure variations and map SDG&E's commodity
rate options, including proposed PSW and PSH rates, to the various rates schedules. I also
present an analysis of residential and small commercial customer bill impacts.

9 In this proceeding, SDG&E's primary rate design proposal is related to changes to the 10 category of commodity. To facilitate implementation of the optional residential commodity rate 11 options, SDG&E also proposes a different method of passing through Total Rate Adjustment 12 Component (TRAC) charges and credits that are associated with Assembly Bill (AB) 1X rate 13 caps. No changes are proposed for transmission or reliability service (RS) rates that are subject to FERC jurisdiction. Also, no changes are proposed to the categories of Distribution, Public 14 15 Purpose Program (PPP), nuclear decommissioning (ND), or Competition Transition Charges (CTC). 16

SDG&E proposes no rate structure changes that would require new metering prior to
Advanced Meter Infrastructure (AMI or Smart Meter) implementation. Furthermore, SDG&E
proposes no change to its existing allocation for distribution and commodity revenue
requirements, marginal costs or the 2009 test year sales forecast as approved by the Commission
in its adoption of the settlement agreement in SDG&E's Rate Design Window (RDW)
proceeding (Decision 09-09-036).

Pending changes in electric rates, such as those adopted in future rate-related proceedings
will cause variations in present bill amounts and therefore rate impacts and customer bill impacts
will differ somewhat from those presented in this proceeding. Unless otherwise described, rates
and tariff changes approved in this proceeding are proposed to be implemented in 2013. The

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1	first-year rate change resulting from SDG&E's proposed revenue requirement request should be
2	implemented concurrent with other rate changes that may occur in 2011.
3 4	<ul><li>The structure of my testimony is as follows:</li><li>Section II: describes SDG&amp;E's rate proposal for PSW for nonresidential</li></ul>
5	customers with demands less than 20kW;
6	• Section III: describes SDG&E's proposal for opt-out EECC-AS-TOD and EECC-
7	PA-TOD Commodity rates for nonresidential customers with demands less than
8	20kW;
9	• Section IV: describes SDG&E's rate proposal for optional PSH and EECC-DR-
10	TOD-C commodity rates for residential customers, and SDG&E's proposal for
11	modifying the way TRAC charges and credits are passed through to residential
12	customers opting for service under PSH and EECC-DR-TOD-C commodity rates;
13	• Section V: describes SDG&E's proposal to not "default" non-residential CARE
14	customers to PSW but allow them to opt-in to the dynamic rate;
15	• Section VI: provides a summary of the applicability of SDG&E's proposals by
16	rate schedule;
17	• Section VII: describes estimated customer bill impacts of the PSW and EECC-
18	AS-TOD rate proposals;
19	• Section VIII: describes estimated first-year customer bill impacts and annual
20	class-average rate impacts associated with the proposed revenue requirement
21	change;
22	• Section IX: provides a summary of recommendations.

1 2 A.

# Overview of Critical Peak Pricing – Default (CPP-D) Rate Design Methodology

SDG&E's currently effective non-residential rate design methodology for CPP-D was
approved in SDG&E's GRC Phase 2 proceeding in Application 07-01-047. Rate design methods
and implementation details for CPP-D were established by an All-Party/All-Issue Settlement on
November 1, 2007, which was approved by the Commission in Decision 08-02-034. In this
proceeding, SDG&E proposes differing approaches to dynamic pricing for small non-residential
and residential customers compared to the CPP-D approach currently approved for medium and
large (M/L) non-residential customers.

SDG&E's design of CPP-D rates is intended to be revenue-neutral with non-CPP 10 11 commodity rates that are applied to the M/L non-residential customer class. Schedule CPP-D rates are applicable to non-residential customers with demands equal to or greater than 20 kW. 12 13 In designing revenue-neutral commodity rates, SDG&E includes all customers served under 14 Schedules AL-TOU, AY-TOU, A6-TOU and PA-T-1 rate schedules, as well as customers that 15 would qualify for Schedule AL-TOU but are currently served on Schedules A-TOU, AD or PA. 16 The characteristics of the current CPP-D rate structure include: a Capacity Reservation 17 Charge (CRC), a CPP energy rate applicable to load in excess of the CRC demand level, and

18 TOD energy charges applicable to on-peak, semi-peak and off-peak periods. Each of these19 components is discussed in more detail below.

In developing CPP-D rates, SDG&E uses an estimate of summer on-peak energy usage
(11 a.m. - 6 p.m.) for the nine (9) highest system demand days, scaled to the currently adopted
2009 test year sales forecast period. Summer on-peak energy billing determinants are reduced to
account for the CPP event period sales and CRC assumptions.

Load information for 2005 was used to estimate the average hourly demand level during
the top nine (9) summer days for the greater than or equal to 20 kW customer class. This

average peak demand level is then multiplied by a marginal generation capacity cost to
determine marginal cost revenue associated with generation capacity. This marginal cost
revenue is then divided by CPP-D forecast sales, and added to an estimate of summer on-peak
marginal energy cost, to determine a total CPP rate per kWh. The CPP-D energy rate is based on
a marginal generation capacity cost assumption of \$67 per kW per year consistent with
SDG&E's GRC Phase 2 Settlement on November 1, 2007 in D.08-02-034.

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#### Capacity Reservation Charge

8 Consistent with SDG&E's GRC Phase 2 Settlement, an optional Capacity Reservation 9 Charge (CRC) is offered with CPP-D rates. The CRC component allows customers to manage 10 their bill fluctuation by paying for load that cannot be reduced during CPP events by means of a 11 predictable monthly demand charge throughout the year. When a CPP event is called, customers 12 pay the CPP-D Peak Period energy rate for only usage in excess of their reserved demand levels. The otherwise applicable on-peak energy rate will apply to usage associated with the customer's 13 14 demand that is less than or equal to the CRC level. The CRC is also calculated based on a 15 marginal generation capacity cost of \$67 per kW per year, divided by 12 months per year. In 16 estimating the amount of revenue recovered by the CRC rate component the current 17 methodology SDG&E currently assumes a default value of fifty (50) percent of the customer's 18 applicable maximum demand.

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#### C. Energy Rates

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#### 1. CPP-D Energy Rate

As previously described, the CPP-D Peak Period energy rate is calculated to ensure recovery of the CPP marginal capacity cost revenues during CPP event hours, in addition to on-peak marginal energy costs. The CPP energy rate equals the CPP marginal capacity cost revenues, divided by forecasted billed CPP usage, plus the

summer on-peak marginal energy rate. The CPP-D Peak Period energy rate is reduced to reflect the share of generation capacity revenues associated with the CRC.

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#### 2. On-peak, semi-peak and off-peak rates

The CPP-D on-peak, semi-peak and off-peak rates are based on the opt-out commodity rates, adjusted by an equal-cent-per-kWh to maintain revenue neutrality. This methodology, also determined by the Settlement in SDG&E's GRC Phase 2 proceeding, applies the same adjustment to each energy rate to maintain the TOD rate differentials.

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#### 3. Ratemaking treatment of CPP-D over/undercollections

11 The rates for CPP-D are currently based on an assumption that nine (9) CPP 12 Event Days would be called during the year and the assumption that customers would specify a Capacity Reservation level of fifty (50) percent of their maximum on-peak 13 summer demand. To the extent the actual number of events and CRC elections differ 14 15 from the rate design assumptions, these factors will contribute to higher than forecast or lower than forecast commodity revenues from the CPP-D rate. This over- or under-16 collection in commodity revenues is reflected in the Energy Resource Recovery Account 17 18 (ERRA). Pursuant to Decision 08-02-034, which adopted SDG&E's 2008 GRC Phase 2 19 Settlement, SDG&E calculates the revenue imbalance attributable to CPP-D annually, 20 and directly assigns this over- or under-collection to the M/L Commercial & Industrial 21 (C&I) customer class. The GRC Phase 2 Settlement Agreement (Section II, Critical Peak 22 Pricing) states:

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"CPP imbalances shall be contained within the Commercial and Industrial (C&I) Customer class. Resulting over or under collections shall be allocated to only the following C&I rate components on an equal percentage basis:

1	a. For non-CPP C&I tariffs the allocation will be limited to
2	summer on-peak and semi-peak energy rates and summer and
3	winter on-peak demand charges.
4	b. For Default CPP tariffs the allocation will be limited to the CPP
5	period, summer on-peak and semi-peak energy rates and capacity
6	reservation charges."
7	In 2009, only eight (8) CPP Event Days were called, and customers designated CRC
8	levels that were significantly lower than the rate design assumption of fifty (50) percent of
9	maximum summer on-peak demand. The combination of these two factors resulted in lower
10	than forecast commodity revenues from the CPP-D rate. Commodity rate adjustments for CPP-
11	D undercollections were filed by SDG&E in Advice Letter 2135-E on December 29, 2009, and
12	became effective January 1, 2010. The change in the amortization amounts in 2008 versus 2009
13	resulted in a net decrease of \$11.4 million to electric commodity rates for the C&I class of
14	customers. Future CPP-D over- or under-collections will be reflected in commodity rate changes
15	effective January 1 of each year.

# 16 II. PROPOSED DEFAULT DYNAMIC PRICING DESIGN FOR LESS THAN 20KW 17 NON-RESIDENTIAL CUSTOMERS

SDG&E proposes that dynamic pricing applicable to customers with demands less than
20kW be tempered by the assumption that this customer segment will have less ability to
respond to demand response price signals. The basis for the policy directives that have impacted
SDG&E's PSW rate design proposals are more thoroughly discussed in the testimony of
Velasquez (Ch. 1) and Breed (Ch. 2). Illustrative PSW commodity rates applicable to customers
with demands less than 20kW are shown in Attachment RWH-1, Column F.

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A.

#### Rate design variations of PSW versus CPP-D

SDG&E's proposed rate design for PSW is substantially different than the methodology
currently used for CPP-D. PSW rates are designed for non-residential customers with demands
less than 20kW. Since this customer segment is assumed to have a reduced ability to respond to
price signals, the PSW rate structure has been adjusted as follows:

6 First, SDG&E proposes that PSW PeakShift Period charges be applied as a rate "adder" 7 to the otherwise applicable TOD energy rates. In other words, on an event day a PeakShift 8 Period adder would be applicable to all energy use occurring from 11 a.m. to 6 p.m. The charges 9 associated with the PeakShift Period adder would therefore be in addition to monthly charges 10 based on the applicable TOD energy rates. This methodology differs from CPP-D in which the 11 CPP-D rates substitute for the applicable on-peak, off-peak, or semi-peak TOD energy rates on 12 event days. SDG&E believes that the PeakShift Period adder approach will be easier for 13 customers to understand and remember. Once a customer is familiar with the underlying PSW, 14 opt-out EECC-AS-TOD or opt-out EECC-PA-TOD energy rate structure, a customer would 15 simply need to be cognizant that energy charges will be higher on a ReduceYourUse Day, from 16 11 a.m. to 6 p.m., by the PeakShift Period adder.

17 Second, SDG&E has designed the PeakShift Period adder to be analogous to the On-Peak 18 Demand Charge (which is termed "SeasonalDemand Charge" in this application and for 19 customer communication purposes) under the opt-out EECC-AS-TOD and EECC-PA-TOD 20 rates. In other words, using forecast sales determinants the annual revenue collection from the 21 SeasonalDemand Charge would be equal to the amount of revenue collected by the PeakShift 22 Period adder. Since the PeakShift Period adder is designed to be equivalent to the 23 SeasonalDemand Charge, the TOD energy rates can also be set exactly the same for PSW, 24 EECC-AS-TOD and EECC-PA-TOD. This rate comparability should also simplify customer 25 understanding and communication of the PSW, opt-out EECC-AS-TOD and opt-out EECC-PA-26 TOD rate structures.

Third, since the existing Schedules A and PA commodity rates are flat rates without any
TOD differential, SDG&E proposes that TOD rates for PSW and the opt-out EECC-AS-TOD
and EECC-PA-TOD commodity rates for nonresidential customers also have a relatively flat
TOD rate structure. Reduced TOD price differentials will allow initial implementation of PSW
and the opt-out EECC-AS-TOD and EECC-PA-TOD rates with relatively minor customer bill
impacts. The opt-out EECC-AS-TOD and EECC-PA-TOD commodity rates are discussed in
greater detail below in Section III.

Fourth, the rate structure and underlying generation marginal costs are the same as for
Schedule CPP-D. However, for customers with demands of less than 20 kW, since SDG&E has
incorporated a reduced SeasonalDemand Charge in the opt-out EECC-AS-TOD and EECC-PATOD rate structures, the resulting revenue shortfall is collected in TOD energy rates that are
scaled to be overall revenue-neutral. As previously described, the opt-out EECC-AS-TOD and
EECC-PA-TOD energy rates and PSW TOD rates (not including the PeakShift Period adder) are
equivalent.

15 Fifth, the development of the PeakShift Period adder differs from the method used to 16 develop Schedule CPP-D Period rates. Schedule PSW is designed to recover generation capacity 17 costs and marginal energy costs associated with Schedule A customers, which typically have a 18 different load profile than that of customers with demands greater than 20 kW. A cost-based 19 PeakShift Period adder would result in total PSW PeakShift Period rates that would be 20 substantially higher than that of CPP-D. In the proposed PSW rate design methodology the 21 SeasonalDemand Charge and PeakShift Period adder are set at approximately 15% of a cost-22 based level. Setting the PeakShift Period adder at a reduced level is intended to mitigate 23 potential customer bill impacts and to maintain customer participation in the PSW program. As 24 described previously, to maintain consistency in the designs of PSW and the opt-out EECC-AS-25 TOD and EECC-PA-TOD rates, the PeakShift Period adder is designed to recover an equivalent

1 amount of revenue as the opt-out SeasonalDemand Charge revenue, based on forecast

2 determinants.

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3 Sixth, as further described in the testimony of Breed (Ch. 2) SDG&E proposes a 2-period 4 TOD structure in both the summer and winter periods, and SDG&E has incorporated October in 5 the summer rating period. The proposed simplified 2-period structure would apply to PSW and opt-out TOD rates for commercial customers with demands less than 20 kW. Underlying costs 6 7 of providing service would continue to be estimated based on SDG&E's currently-adopted 3period TOD definition applicable to commercial & industrial customers. For rate simplicity 8 9 reasons a 2-period TOD rates structure would be applicable to small commercial tariffs and 10 customer bills. In the summer rating period, the semi-peak and off-peak costing periods 11 (including holidays) would be combined and designated as an off-peak rating period, with all 12 other summer hours designated as on-peak. In the winter rating period, the weekday on-peak 13 and semi-peak costing periods would be combined and designated as an on-peak rating period, with all other hours (including weekends and holidays) designated as off-peak.<sup>1</sup> 14

Seventh, SDG&E does not propose a CRC option for PSW.

Eighth, as previously described, total PSW rates during PeakShift Periods are not
proposed to be set at the full cost-based development. Consistent with SDG&E's intent of
mitigating customer bill impacts, the TOD price differentials are set at reduced levels compared
to cost-based estimates.

<sup>&</sup>lt;sup>1</sup> In SDG&E's last GRC Phase 2 (D.08-02-034), SDG&E proposed to eliminate the winter onpeak period for nonresidential customers once their summer period is changed to include the month of October. In this application SDG&E has incorporated both the seasonal change and 2period TOD definition in its proposal for PSW and opt-out TOD rates applicable to small commercial customers. SDG&E plans to assess its proposed and existing TOD periods applicable to other customer classes as part of the next GRC Phase 2 or future rate design proceeding.

1 Ninth, modifying the seasonal rating period also has a minor impact on seasonal UDC 2 rates. Therefore, in developing small commercial customer bill impact comparisons SDG&E has 3 redesigned the distribution rates of Schedule A to reflect updated seasonal billing determinants.

4 Finally, to preserve the proposed price relationships within PSW rates, SDG&E proposes 5 that subsequent commodity revenue requirement changes be applied by means of equal percentage adjustments to all components, including the PeakShift Period adder. 6

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### **Implementation of PSW**

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#### 1. **Other Rate Design Elements of PSW**

9 SDG&E's basis for rate development of PSW is Schedules A and PA, which are 10 SDG&E's standard rate schedules applicable to customers in the Small Commercial and 11 Agricultural classes. To preserve the authorized class allocation for commodity 12 revenues, upon implementation, SDG&E proposes that PSW and the opt-out EECC-AS-13 TOD and EECC-PA-TOD commodity rates maintain revenue neutrality with the current design of Schedules A commodity rates. 14

PSW rates are proposed to be identical for all applicable rate schedules for 16 nonresidential customers with demands less than 20 kW. For example, the same PSW rates apply to Schedules A, PA and to AL-TOU for customers with demands less than 20 kW.

19 Although current commodity allocation factors differ slightly among the major 20 customer classes to reflect variations in class-average load shapes, SDG&E does not 21 currently have the TOD and CPP billing determinants that would be necessary for class-22 specific rate designs for customers with demands less than 20kW. SDG&E expects that 23 PSW and EECC-AS-TOD rate differentiation by major customer class will be possible 24 with SDG&E's AMI Smart Meter implementation and future sales forecasts, and 25 SDG&E may therefore propose PSW and EECC-AS-TOD rate differentiation by major 26 customer class in a future rate proceeding.

Variations in PSW revenue collection will occur due to sales variations, differences in the number of event days, as well as from various rate design assumption differences. SDG&E proposes that PSW over- and under-collections be calculated and collected from the PSW eligible group of customers annually by means of a single factor adjustment to commodity rates. SDG&E proposes that a simplified factor adjustment be applied rather than the more-complex method applicable to CPP-D over- and undercollections.

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#### 2. Exclusion of Traffic Control Devices from PSW

SDG&E proposes that customers served under Schedule A-TC (Traffic Control
Service) not be defaulted to PSW. Schedule A-TC customers would continue to be
subject to a non-TOD, seasonally differentiated, cent per kWh commodity rate structure.
For Schedule A-TC customers that may benefit under either the PSW or Opt-Out TOD
commodity rate structures (or CPP-D rate structure for that matter), customers would
need to switch from Schedule A-TC to Schedule AS-TOD (or Schedule AL-TOU).
III. OPT-OUT TOD COMMODITY RATES FOR NONRESIDENTIAL CUSTOMERS

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# . OPT-OUT TOD COMMODITY RATES FOR NONRESIDENTIAL CUSTOMERS WITH DEMANDS LESS THAN 20 KW

SDG&E's proposed rate design for opt-out EECC-AS-TOD and EECC-PA-TOD commodity
rates for nonresidential customers with demand less than 20 kW is substantially different than the
methodology for existing EECC rates applicable to Schedule AL-TOU. Small non-residential
opt-out commodity rates (EECC-AS-TOU for small commercial and EECC-PA-TOD for
agricultural) incorporate the following adjustments:

- (1) The rate design addresses reduced ability of less than 20 kW nonresidential
  customers to respond to price signals, as discussed in the testimony of SDG&E
  Velasquez (Ch. 1) and Breed (Ch. 2):
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a. TOD differentials are reduced from cost-based price differentials;

1	b. The SeasonalDemand Charge is also set at a level that is lower than the
2	cost-based level, with the proposed rate being substantially lower than for
3	customers with demands equal to or greater than 20 kW; and
4	(2) The SeasonalDemand Charge is designed to recover the same revenue as the
5	PSW PeakShift Period adder:
6	a. The PeakShift Period adder is set at a fraction of the cost-based level, and
7	the SeasonalDemand Charge will recover an equivalent amount of revenue
8	using forecast billing determinants.
9	b. TOD energy charges are set to the same rates as PSW, such that revenue
10	shortfalls resulting from setting the SeasonalDemand Charge at a reduced
11	level are recovered through adjustments to summer energy charges.
12	c. As with PSW, remaining capacity costs would be recovered in summer
13	on-peak energy charge calculations in a cost-based version, but TOD price
14	differentials are reduced to mitigate customer bill impacts.
15	Consistent with the design of PSW rates, SDG&E's proposed opt-out EECC-AS-TOD
16	and EECC-PA-TOD commodity rates are initially designed to be revenue-neutral with SDG&E's
17	standard Small Commercial rate schedule, Schedule A which is the utility's standard tariff for
18	non-residential customers with demands less than 20 kW. The current commodity rate for
19	Schedule A customers is a flat seasonal rate with the summer season defined as the five-month
20	season of May through September. The proposed TOD periods and seasons are as follows:
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Summer On-Peak Off-Peak	<b>May through October</b> 11 am – 6 pm All Other Hours	Weekdays Excluding Holidays
Winter On-Peak Off-Peak	October through April 6 am – 10 pm All Other Hours	Weekdays Excluding Holidays
PeakShift Period	11 am – 6 pm	Any Day of the Year, on ReduceYourUse Days

Illustrative opt-out EECC-AS-TOD and EECC-PA-TOD commodity rates applicable to customers with demands less than 20 kW are shown in Attachment RWH-1, Column G.

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3 Attachment RWH-2 illustrates unbundled rate components of: (1) currently effective 4 Schedule A with its currently effective seasonal commodity rates, (2) Schedule A rates when 5 combined with PSW commodity rates, and (3) Schedule A rates when combined with EECC-AS-6 TOD commodity rates. Each of these rate options are designed to be revenue-neutral using 7 current Schedule A billing determinants and estimated Schedule A usage by TOD period. 8 Consistent with SDG&E's proposal for a new Schedule AS-TOD, SDG&E also proposes new 9 rate schedules be implemented for customers served under closed Schedules AD (with demands 10 20 kW up to 500 kW) and A-TOU (with demands less than 40 kW), and for agricultural 11 customers served under Schedule PA (with demands up to 500 kW). The proposed service 12 offerings would be named Schedules AD-TOD, A-TOD and PA-TOD, respectively. These new 13 UDC rate schedules would be structured to accommodate TOD pricing but would have no impact on total UDC rate levels as compared to current Schedules AD, A-TOU and PA. The 14 15 new schedules would enable TOD UDC rate structures to be combined with TOD commodity rates that would be identified as EECC-AD-TOD, EECC-A-TOD and EECC-PA-TOD. 16

# 17 IV. OPTIONAL PEAKSHIFT AT HOME AND OPTIONAL TOD COMMODITY 18 RATES FOR RESIDENTIAL CUSTOMERS (PSH AND EECC-DR-TOD-C)

The vast majority of SDG&E's residential customers are currently served under Schedule
DR which is comprised of a four-tier structure for Utility Distribution Company (UDC) charges,
and a flat, but seasonal, rate structure for commodity charges. As described in the testimony of
Saxe (Ch. 3), SDG&E proposes implementation of an optional PSH commodity rate and an
optional EECC-DR-TOD-C commodity rate.

To promote rate simplicity and to ease customer understanding of TOD and dynamic
pricing structures, SDG&E proposes that 4-tier UDC rates be changed to a non-tiered UDC
structure, with line-item credits for baseline usage and up to 130 percent of baseline usage. The

end result, when line-item credits are included, would be a 3-tier rate structure. To provide
 customers with similar AB1X and SB 695 rate capping benefits, the line-item bill credits would
 be designed to produce the exact same total UDC rates for baseline usage and for usage up to
 130 percent of baseline allowances as their otherwise applicable tiered rate schedule.

Incorporating line-item credits instead of the current multi-tiered UDC rate structure will
allow UDC rates to be presented the same within each TOD period. The line-item credits would
substitute for the current negative Total Rate Adjustment Component (TRAC) rates for up to 130
percent of baseline usage that are currently included on customers' bills as part of the PPP lineitem.

Moving the AB1X related capping benefits to line-item credits will allow TRAC charges
(that recover the AB1X rate subsidies) to be flat across each TOD period. SDG&E proposes that
a non-seasonal TRAC charge per kWh, with no variation by TOD period, be incorporated in the
UDC rates for recovery of AB1X rate subsidies.

14 For residential customers opting for PSH or optional EECC-DR-TOD-C rates, total rate 15 levels will be allowed to differ due to TOD commodity pricing, but SDG&E's TRAC credit methodology will ensure that the customers' benefit from AB1X rate capping up to 130 percent 16 17 of baseline usage is the same dollar amount as under current Schedule DR tiered rates. For 18 customers with total usage less than 130 percent of baseline allowances, SDG&E's proposed 19 TRAC and credit methodology will ensure no change to total UDC rate levels or UDC bill 20 amounts (versus Schedule DR or DR-LI) for customers with usage up to 130 percent of baseline 21 allowances. Total bill amounts for all levels of monthly usage will differ due to application of 22 TOD commodity rates.

For customers with monthly usage in excess of 130 percent of baseline allowances, total bill amounts will also differ slightly due to SDG&E's proposal to consolidate Tier 3 and Tier 4 UDC rates. Upper tier total UDC rates levels will differ under SDG&E's proposed methodology since SDG&E is proposing non-seasonal TRAC rates. In prior rate proceedings (in the 2008

GRC Phase 2, and in SDG&E's most recent RDW), tiered TRAC rates differed by season to
mitigate impacts of seasonal commodity rates. In this proceeding, SDG&E proposes that
seasonal commodity rate differences not be mitigated for PSH or EECC-DR-TOD-C with TRAC
rates by season. SDG&E therefore proposes to eliminate the seasonality of TRAC charges in
UDC rates. With non-seasonal TRAC charges the resulting total UDC rates will be slightly
higher in the summer season and slightly lower in the winter season (versus Schedule DR), for
usage in excess of 130 percent of baseline allowances.

8 For commodity rate design, SDG&E's approach for designing residential PSH and 9 EECC-DR-TOD-C rates is consistent with the approach for designing PSW and Opt-Out rates as 10 described in Section II, but with a few exceptions. Since the proposed residential commodity 11 rates would be optional rather than default like proposed PSW, the cost-basis of PSH and EECC-12 DR-TOD-C rates are more closely maintained than for proposed PSW. PSH Period rate levels 13 and Optional TOD price differentials are set relatively close to their cost-based levels. Since the new commodity rates are optional, SDG&E does not propose to temper the TOD price 14 15 differentials or PeakShift Period rate level to mitigate potential adverse customer bill impacts to 16 the same extent as proposed for default service under PSW.

The procedure for designing PSH and EECC-DR-TOD-C rates is as follows:

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First, the EECC-DR-TOD-C rates are designed to be revenue-neutral with currently
effective non-TOD seasonal commodity rates applicable to Schedule DR. Schedule EECC-DRTOD-C prices are set based on marginal capacity costs and marginal energy costs by TOD
period, using results from SDG&E's most-recently filed marginal cost study submitted in its
2008 GRC Phase 2 proceeding. The marginal cost-based rates are scaled to collect an equivalent
amount of revenue as SDG&E's currently-effective non-TOD commodity rates for Schedule DR.
The residential TOD periods and seasons are designated as follows:<sup>2</sup>

<sup>&</sup>lt;sup>2</sup> SDG&E plans to assess its proposed and existing TOD periods as part of the next GRC Phase 2 or future rate design proceeding.

1

Summer	May through October	
On-Peak	11 am – 6 pm	Weekdays Excluding Holidays
Semi-Peak	6 am – 11 am, and 6 pm – 10 pm	Weekdays Excluding Holidays
Off-Peak	All Other Hours	
Winter	November through April	
Semi-Peak	6 am – 10 pm	Weekdays Excluding Holidays
Off-Peak	All Other Hours	
	11 am – 6 pm	Any Day of the Year, on
PeakShift Period		ReduceYourUse Days

Second, marginal generation capacity costs, including the associated revenue scaling
factor, are removed from the TOD rates. This produces the non-PeakShift Period TOD rate
levels.

Third, a cost-based PeakShift Period adder is calculated by dividing the revenue shortfall
resulting from removing the marginal generation capacity costs by a forecast of PeakShift Period
kWh determinants. The resulting combination of cost-based TOD rates and the PeakShift Period
adder is again set to be revenue-neutral with non-TOD commodity rates.

9 Attachment RWH-3 shows a comparison of currently-effective non-TOD commodity rates applicable to Schedule DR (in Column B), proposed PSH commodity rates (in Column C), 10 11 and EECC-DR-TOD-C residential commodity rates (in Column D). Attachment RWH-4 presents the unbundled rate components for Schedule DR non-CARE customers when combined 12 13 with: current seasonal commodity rates, proposed PSH commodity rates, and proposed EECC-DR-TOD-C commodity rates. Attachment RWH-4 also shows TRAC charges and Baseline 14 15 Allowance Credits for customers on proposed PSH and EECC-DR-TOD-C rate structures which 16 will provide residential customers with similar AB1X rate capping benefits and subsidy costs. 17 Unbundled rates applicable to residential CARE customers, are shown in Attachment RWH-5. The CARE rates shown for Schedule DR-LI, proposed PSH, and proposed EECC-DR-18 19 TOD-C are prior to applying the 20 percent CARE discount and exemption from the CARE 20 surcharge which are provided by means of a line-item credit on CARE customers' bills.

An illustration of a non-CARE customer bill format under SDG&E's proposed PSH and
 credit structure is included as Attachment RWH-6. As shown on Attachment RWH-6, during
 months with PeakShift Period events, the customer's bill will include a line-item calculation
 based on the PeakShift Period adder multiplied by the customer's PeakShift Period usage.

# 5

V.

# PROPOSAL FOR EXPANDED LOW-INCOME (SCHEDULE E-LI)

6 Currently, the discount for nonresidential CARE customers served under Schedule E-LI is 7 applied as a flat discounted commodity rate that is included in Schedule EECC, in addition to a 8 20 percent CARE discount. Since the proposed dynamic pricing options would entail either 9 TOD commodity rates or an energy/demand rate structure, the customer bill impact of switching 10 to a dynamic rate structure would be associated with a more severe bill impact than for other 11 nonresidential non-CARE customers. Therefore, instead of defaulting expanded CARE customers to the dynamic pricing structures, SDG&E proposes that PSW and TOD commodity 12 13 rates be optional for this group of nonresidential low-income customers.

#### 14

#### VI. APPLICABILITY OF PROPOSALS BY RATE SCHEDULE

15 SDG&E has prepared a table to more easily compare rate schedule applicability and rate 16 structure proposal differences. The summary table is provided as Attachment RWH-7. The table 17 maps SDG&E's proposed dynamic pricing and EECC rates to its applicable rate schedules, and 18 the table notes the rate design elements for each rate schedule. The table is categorized by Rate 19 Schedule and allows a comparison of SDG&E's Current Rate Structure for UDC and commodity 20 rates, as well as a comparison of proposed rate structures for dynamic pricing and opt-out 21 commodity rates. PSW and opt-out commodity rate options by rate schedule are shown in 22 Attachment RWH-8.

23

### VII. CUSTOMER BILL IMPACT ANALYSES

Estimated annual bill impacts of SDG&E's PSW and opt-out commodity rate proposals
are summarized on Attachment RWH-9. As shown by the sum of annual small commercial
customer bill impacts, the CPP and EECC-AS-TOD rate designs are essentially revenue-neutral,

with some overall bill variations due to the use of forecast sales determinants in the rate design
 process. Individual customer bill impacts will vary from 6.9 percent savings per year to 7.2
 percent increases in charges per year.

4 A frequency distribution analysis of residential customers under the optional PSH and 5 EECC-DR-TOD-C rates is included as Attachment RWH-10. As shown by the sum of annual 6 customer bill impacts, the optional residential rates are essentially revenue-neutral, with some 7 overall bill variations due to: (1) the use of forecast sales determinants in the rate design process, 8 and (2) the proposed consolidation of Tier 3 and Tier 4 UDC rates, which will slightly benefit 9 residential customers with monthly usage in excess of 200 percent of baseline allowances. 10 Individual customer bill impacts will vary from 21.5 percent savings per year to 18.2 percent 11 increases charges per year.

# 12 13

# VIII. CUSTOMER BILL AND AVERAGE RATE IMPACTS OF PROPOSED REVENUE REQUIREMENT INCREASE

As described in the testimony SDG&E witness Frederick W. Myers (Chapter 6), the firstyear revenue requirement decrease (due to tax credits) associated with PSW and PSH
implementation is -\$7.1 million, including adjustments for Franchise Fees and Uncollectibles
(FF&U). Average rate and bill impacts associated with the proposed revenue requirement
changes have been prepared based on SDG&E's currently adopted distribution revenue
allocation methodology (adopted in D.08-02-034) and 2009 forecast sales.

SDG&E proposes to recover the costs of implementing the PSW and PSH through
distribution rates and therefore proposes cost recovery from both bundled service and Direct
Access customers. Cost recovery of the PSW and PSH revenue requirements are proposed to be
through distribution base margin consistent with SDG&E's currently adopted methodologies
used for recovery of AMI and CPP-D implementation costs.<sup>3</sup> Attachment RWH-11 shows the

<sup>&</sup>lt;sup>3</sup> Specific cost recovery accounts and proposed mechanism is described in the direct testimony of SDG&E witness Yvonne M. Le Mieux (Chapter 7).

system-average and class-average rate impacts associated with SDG&E's proposed annual
 distribution revenue requirement changes.

3 First-year customer bill impacts for residential customers corresponding to the proposed 4 2011 revenue requirement decrease are provided as Attachment RWH-12. For a typical 5 residential customer using 500 kWh per month in the Inland climate zone the summer season bill 6 impact will be -10 cents per month, and -20 cents per month for a customer in the Coastal 7 climate zone. On a percentage basis this equates to a decrease of -0.1 percent for a typical 8 residential customer in the Inland climate zone and -0.2 percent for a typical residential customer 9 in the Coastal climate zone. These residential typical customer bill impact estimates are 10 associated with the proposed first-year 2011 revenue requirement change only and therefore do 11 not incorporate impacts of proposed PSH or EECC-DR-TOD-C rates.

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IX.

#### SUMMARY AND RECOMENDATIONS

This testimony summarizes: SDG&E's PSW, EECC-AS-TOD and EECC-PA-TOD
commodity rate design proposals for non-residential customers with demands less than 20 kW,
SDG&E's optional PSH and EECC-DR-TOD-C commodity rate design proposals for residential
customers. This testimony also describes various new UDC rate schedules that should be
implemented to facilitate TOD pricing.

Recommendations are as follows:

19 1. Default PSW should be offered with rates set to mitigate customer bill impacts.

- 20
  2. PSW should incorporate a PeakShift Period adder approach, in which the
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- 3. The PeakShift Period adder for PSW should be set at a comparable cost-based
  rate level as the proposed SeasonalDemand Charge.
- 4. Non-residential customers enrolled in SDG&E's expanded CARE program, with
  commodity rate service under Schedule E-LI (within Schedule EECC), should be

1		
1		allowed to opt-in to dynamic pricing options. Participation in dynamic pricing
2		rates should not be the default service option for these customers.
3	5.	Residential PSH and EECC-DR-TOD-C rates should be more closely set at
4		marginal costs since both of the residential rates are optional.
5	6.	PSH should also incorporate a PeakShift Period adder approach.
6	7.	The PeakShift Period adder for PSH should be set to recover generation capacity
7		costs.
8	8.	AB1X rate capping benefits should be passed through to residential customers
9		served under optional PSH and optional EECC-DR-TOD-C by means of credits
10		for usage up to 130 percent of baseline allowances.
11	9.	New TOD rate schedules should be implemented for customers served under
12		closed Schedules AD and A-TOU, and for agricultural customers served under
13		Schedule PA. The proposed service offerings would be named Schedules AD-
14		TOD, A-TOD and PA-TOD, respectively. These new UDC rate schedules would
15		be structured to accommodate TOD pricing, but with no impact on total UDC rate
16		levels as compared to current Schedules AD, A-TOU and PA.
17	10.	Proposed revenue requirement increases should be recovered through distribution
18		rate components, and allocated and reflected in rates consistently with currently
19		adopted methodologies used for demand response program costs.
20	This c	oncludes my direct testimony.

#### X. 1

# **STATEMENT OF QUALIFICATIONS**

2 My name is Robert W. Hansen. My business address is 8330 Century Park Court, San 3 Diego, California, 92123. I am Gas/Electric Analysis Manager in the Rates and Revenues 4 Department for San Diego Gas & Electric Company (SDG&E). My primary responsibilities 5 include the development of cost-of-service studies, determination of revenue allocation and electric rate design methods, analysis of ratemaking theories, and preparation of various 6 7 regulatory filings.

8 I received a Bachelor of Science degree in Mining Engineering from South Dakota 9 School of Mines & Technology in 1981. I received a Master of Science degree in Policy 10 Economics from the University of Illinois in 1987, where my areas of specialization were natural 11 resource and environmental economics. I am a Registered Professional Engineer in the State of Indiana. 12

13 From 1991 to 1998, I was employed by SDG&E as a Pricing Design Analyst and Senior Pricing Analyst. From 1998 to July 2000, I was employed by Sempra Energy as a Regulatory 14 15 Policy Analyst in the Regulatory Affairs Division. From July 2000 to December 2001, I was employed by Enron Energy Services as Director - Utility Risk Management, and Director -16 17 Product Management. I have been employed in my current position since April 2002. I have testified before the FERC and the CPUC in other proceedings.

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# San Diego Gas & Electric Company Application 10-\_\_-

# Non-Residential PeakShift at Work and Opt-Out TOD Commodity Rate Summary

				Propose	ed Rates	
					OD Differential, ate, and Reduced nand Charge	
		Units	Schedule A Commodity Rate Adjusted for Season Change	PSW	EECC-AS-TOD EECC-PA-TOD	
Line No.	(A)	(B)	(C)	(D)	(E)	Line No.
1	SeasonalDemand Charge					1
2 3	Summer	\$/kW			1.08	2 3
4 5	PeakShift Period Adder	\$/kWh		0.20000		4 5
6	Summer	\$/kWh	0.09815			6
7	On-Peak	\$/kWh		0.12791	0.12791	7
8	Off-Peak	\$/kWh		0.07788	0.07788	8
9	Winter	\$/kWh	0.06959			9
10	On-Peak	\$/kWh		0.07623	0.07623	10
11	Off-Peak	\$/kWh		0.06131	0.06131	11

Summer (May 1 – Oct	t 31)
On-Peak	11 a.m. to 6 p.m. Weekdays
Off-Peak	All Other Hours, Including Weekends and Holidays
Winter (Nov 1 - Apr 3	0)
On-Peak	6 a.m. to 10 p.m. Weekdays
Off-Peak	All Other Hours, Including Weekends and Holidays
PeakShift Period	11 a.m. to 6 p.m.any day of the year, on ReduceYourUse Days

#### San Diego Gas & Electric Company Application 10-\_\_-

#### SMALL COMMERCIAL (LESS THAN 20 kW) -- UNBUNDLED UNIT CHARGES BASED ON 05/01/2010 RATES

		TRANSMISSION	DISTRIBUTION	PPP	DECOMMISSION	CTC	RS	TOTAL UDC	EECC	DWR BOND	TOTAL
DESCRIPTION	UNITS	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE
(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(K)	(M)	(N)	(O)
CURRENT SCHEDULE A											
Basic Service Fee	\$/Month		\$9.56					\$9.56			\$9.5
Energy Charge											
Summer	\$/kWh	0.01548	0.05990	0.00866	0.00046	0.00281	0.00083	0.08814	0.10072	0.00515	0.1940
(May - September)											
Winter	\$/kWh	0.01548	0.05438	0.00866	0.00046	0.00273	0.00083	0.08254	0.07184	0.00515	0.1595
(October - April)											
SCHEDULE AS-TOD - WITH PEAKSH	IFT AT WORK	COMMODITY									
Basic Service Fee	\$/Month		\$9.56					\$9.56			\$9.5
Basic Service Fee	\$/IVIONUN		\$9.00			-		\$9.56	 PSW Rates		\$9.t
ON	\$/kWh	0.01548	0.05899	0.00866	0.00046	0.00280	0.00083	0.08721	0.12791	0.00515	0.2202
OFF	\$/kWh	0.01548	0.05899	0.00866	0.00048	0.00280	0.00083	0.08721	0.07788	0.00515	0.2202
Vinter	\$/KVVII	0.01546	0.05699	0.00000	0.00046	0.00280	0.00063	0.06721	0.07788	0.00515	0.1702
ON	\$/kWh	0.01548	0.05438	0.00866	0.00046	0.00273	0.00083	0.08254	0.07623	0.00515	0.1639
OFF	\$/kWh	0.01548	0.05438	0.00866	0.00040	0.00273	0.00083	0.08254	0.06131	0.00515	0.1490
	φ/κνντι	0.01340	0.03430	0.00000	0.00040	0.00275	0.00000	0.00234	0.00131	0.00313	0.1430
PeakShift Period Adder, 11am-6pm	\$/kWh								0.20000		
	•										
SCHEDULE AS-TOD - WITH EECC-AS	S-TOD OPT-O	UT COMMODI	ΤY								
Basic Service Fee	\$/Month		\$9.56					\$9.56			\$9.5
Summer								EE	CC-AS-TOD Ra	ites	
ON	\$/kWh	0.01548	0.05899	0.00866	0.00046	0.00280	0.00083	0.08721	0.12791	0.00515	0.2202
OFF	\$/kWh	0.01548	0.05899	0.00866	0.00046	0.00280	0.00083	0.08721	0.07788	0.00515	0.1702
Winter											
ON	\$/kWh	0.01548	0.05438	0.00866	0.00046	0.00273	0.00083	0.08254	0.07623	0.00515	0.1639
OFF	\$/kWh	0.01548	0.05438	0.00866	0.00046	0.00273	0.00083	0.08254	0.06131	0.00515	0.1490
SeasonalDemand Charge:											
	\$/kW								1.08		1.0
Summer	\$/KVV										

Proposed Summer (	Proposed Summer (May 1 – Oct 31)									
On-Peak	11 a.m. to 6 p.m. Weekdays									
Off-Peak	All Other Hours, Including Weekends and Holidays									
Proposed Winter (Nov 1 - Apr 30)										
On-Peak	6 a.m. to 10 p.m. Weekdays									
Off-Peak All Other Hours, Including Weekends and Holidays										
PeakShift Period	11 a.m. to 6 p.m.any day of the year, on ReduceYourUse Days									

# San Diego Gas & Electric Company Application 10-\_\_-

# Residential Optional PeakShift at Home and TOD Commodity Rate Summary

#### \$ per kWh

		Current Schedule DR Commodity Rate	Optional PSH	Optional EECC-DR-TOD-C	
Line No.	(A)	(B)	(C)	(D)	Line No.
1	PeakShift Period Adder		0.91000		1
2					2
3	Summer	0.08978			3
4	On-Peak		0.08500	0.16464	4
5	Semi-Peak		0.07146	0.07806	5
6	Off-Peak		0.05570	0.06126	6
7	Winter	0.06655			7
8	Semi-Peak		0.06899	0.07632	8
9	Off-Peak		0.06421	0.05718	9

Summer (May 1 - Oct 31	1)
On-Peak	11 a.m. to 6 p.m. Weekdays
Semi-Peak	6 a.m. to 11 a.m. Weekdays
	6 p.m. to 10 p.m. Weekdays
Off-Peak	10 p.m. to 6 a.m. Weekdays
	Plus Weekends & Holidays
Winter (Nov 1 - Apr 30)	
Semi-Peak	6 a.m. to 10 p.m. Weekdays
Off-Peak	10 p.m. to 6 a.m. Weekdays
	Plus Weekends & Holidays
PeakShift Period	11 a.m. to 6 p.m.any day of the year, on ReduceYourUse Days

#### San Diego Gas & Electric Company Application 10-\_\_-

#### RESIDENTIAL -- UNBUNDLED UNIT CHARGES - NON-CARE BASED ON RATES EFFECTIVE 05/01/2010

						NUCLEAR							
			TRANSMISSION		PPP	DECOMMISSION	CTC	RS	TRAC	TOTAL UDC	EECC	DWR BOND	TOTAL
IE ).	DESCRIPTION	UNITS	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE
-	(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(K)	(M)	(N)	(0)
	SCHEDULE DR - CURRENT												
	Summer												
	Baseline Energy	\$/kWh	0.01318	0.07317	0.00644	0.00046	0.00203	0.00066	(0.05675)	0.03919	0.08978	0.00515	0.13412
	101% to 130% of Baseline	\$/kWh	0.01318	0.08245	0.00644	0.00046	0.00203	0.00066	(0.04526)	0.05996	0.08978	0.00515	0.15489
	131% to 200% of Baseline	\$/kWh	0.01318	0.08245	0.00644	0.00046	0.00203	0.00066	0.07178	0.17700	0.08978	0.00515	0.27193
	Above 200% of Baseline	\$/kWh	0.01318	0.08245	0.00644	0.00046	0.00203	0.00066	0.09178	0.19700	0.08978	0.00515	0.29193
	Winter												
	Baseline Energy	\$/kWh	0.01318	0.07317	0.00644	0.00046	0.00203	0.00066	(0.03352)	0.06242	0.06655	0.00515	0.13412
	101% to 130% of Baseline	\$/kWh	0.01318	0.08245	0.00644	0.00046	0.00203	0.00066	(0.02203)	0.08319	0.06655	0.00515	0.15489
	131% to 200% of Baseline	\$/kWh	0.01318	0.08245	0.00644	0.00046	0.00203	0.00066	0.07862	0.18384	0.06655	0.00515	0.25554
	Above 200% of Baseline	\$/kWh	0.01318	0.08245	0.00644	0.00046	0.00203	0.00066	0.09862	0.20384	0.06655	0.00515	0.27554
	SCHEDULE DR-TOD-C FOR RESIDENTIALCUST	FOMERS ·	WITH BL CRE	DIT STRUCTUR	RE AND PE	AKSHIFT AT HO	ме соммо	DITY					
	Summer										PSH Rates		
	ON	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.08500	0.00515	0.27670
	SEMI	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.07146	0.00515	0.26317
	OFF	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.05570	0.00515	0.24740
	Winter												
	SEMI	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.06899	0.00515	0.26070
	OFF	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.06421	0.00515	0.25591
	PeakShift Period Adder, 11am-6pm	\$/kWh									0.91000		
	Summer Baseline Allowance Credit	\$/kWh							(0.14736)		0.51000		
	Summer 101% to 130% of BL Allowance Credit	\$/kWh							(0.12659)				
	Winter Baseline Allowance Credit	\$/kWh							(0.12033)				
	Winter Dasenne Allowance Credit Winter 101% to 130% of BL Allowance Credit	\$/kWh							(0.12413)				
	Winter 101% to 130% of BL Allowance Credit	\$/KVVN							(0.10336)				
	SCHEDULE DR-TOD-C FOR RESIDENTIAL CUS	TOMEDO		DIT STRUCT				,					
	Summer	TOWERS	- WITH BE CRE	.bii Sikocio	RE AND LE	00-01-100-01				FEC	C-DR-TOD-C	Datas	
	ON	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.16464	0.00515	0.35634
	SEMI OFF	\$/kWh	0.01318	0.07734 0.07734	0.00644	0.00046 0.00046	0.00203	0.00066	0.08645 0.08645	0.18655	0.07806	0.00515 0.00515	0.26976
	OFF	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.06126	0.00515	0.25296
	Winter		0.0404-	0.0770	0 000 / ·							0.00545	
	SEMI	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.07632	0.00515	0.26803
	OFF	\$/kWh	0.01318	0.07734	0.00644	0.00046	0.00203	0.00066	0.08645	0.18655	0.05718	0.00515	0.24888
	Summer Baseline Allowance Credit	\$/kWh							(0.14736)				
	Summer 101% to 130% of BL Allowance Credit	\$/kWh							(0.12659)				
	Winter Baseline Allowance Credit	\$/kWh							(0.12413)				
		\$/kWh							(0.10336)				

#### San Diego Gas & Electric Company Application 10-\_\_-

#### RESIDENTIAL -- UNBUNDLED UNIT CHARGES - CARE (PRIOR TO 20% LINE-ITEM CREDIT) BASED ON RATES EFFECTIVE 05/01/2010

						NUCLEAR							
			TRANSMISSION		PPP	DECOMMISSION	CTC	RS	TRAC	TOTAL UDC	EECC	DWR BOND	TOTAL
NE	DESCRIPTION	UNITS	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE	RATE
). 	(A)	(B)	(C)	(D)	(E)	(F)	(H)	(I)	(J)	(K)	(M)	(N)	(0)
	SCHEDULE DR-LI - CURRENT												
	Summer												
	Baseline Energy	\$/kWh	0.01318	0.07158	0.00644	0.00046	0.00203	0.00066	(0.05675)	0.03760	0.08978	0.00000	0.12738
	101% to 130% of Baseline	\$/kWh	0.01318	0.08086	0.00644	0.00046	0.00203	0.00066	(0.04526)	0.05837	0.08978	0.00000	0.14815
	131% to 200% of Baseline	\$/kWh	0.01318	0.08086	0.00644	0.00046	0.00203	0.00066	0.02895	0.13258	0.08978	0.00000	0.22236
	Above 200% of Baseline	\$/kWh	0.01318	0.08086	0.00644	0.00046	0.00203	0.00066	0.02895	0.13258	0.08978	0.00000	0.22236
	Winter												
	Baseline Energy	\$/kWh	0.01318	0.07158	0.00644	0.00046	0.00203	0.00066	(0.03352)	0.06083	0.06655	0.00000	0.12738
	101% to 130% of Baseline	\$/kWh	0.01318	0.08086	0.00644	0.00046	0.00203	0.00066	(0.02203)	0.08160	0.06655	0.00000	0.14815
	131% to 200% of Baseline	\$/kWh	0.01318	0.08086	0.00644	0.00046	0.00203	0.00066	0.03793	0.14156	0.06655	0.00000	0.20811
	Above 200% of Baseline	\$/kWh	0.01318	0.08086	0.00644	0.00046	0.00203	0.00066	0.03793	0.14156	0.06655	0.00000	0.20811
	SCHEDULE DR-TOD-C FOR CARE CUSTOMERS	S - WITH E	BL CREDIT STR	RUCTURE AND	PEAKSHIF	FAT HOME CO	MMODITY						
	Summer										PSH Rates		
	ON	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.08500	0.00000	0.21678
	SEMI	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.07146	0.00000	0.20325
	OFF	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.05570	0.00000	0.18748
	Winter												
	SEMI	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.06899	0.00000	0.20078
	OFF	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.06421	0.00000	0.19599
	PeakShift Period Adder, 11am-6pm	\$/kWh									0.91000		
	Summer Baseline Allowance Credit	\$/kWh							(0.09418)				
	Summer 101% to 130% of BL Allowance Credit	\$/kWh							(0.07341)				
	Winter Baseline Allowance Credit	\$/kWh							(0.07095)				
	Winter 101% to 130% of BL Allowance Credit	\$/kWh							(0.05018)				
	SCHEDULE DR-TOD-C FOR CARE CUSTOMERS	S - WITH B	BL CREDIT STR	RUCTURE AND	EECC-DR-1	ОД-С СОММО	DITY						
	Summer									EEC	C-DR-TOD-C	Rates	
	ON	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.16464	0.00000	0.29642
	SEMI	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.07806	0.00000	0.20984
	OFF	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.06126	0.00000	0.19304
	Winter												
	SEMI	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.07632	0.00000	0.20810
	OFF	\$/kWh	0.01318	0.07575	0.00644	0.00046	0.00203	0.00066	0.03326	0.13178	0.05718	0.00000	0.18896
	Summer Baseline Allowance Credit	\$/kWh							(0.09418)				
		+							(0.07341)				
		\$/kWh											
	Summer 101% to 130% of BL Allowance Credit Winter Baseline Allowance Credit	\$/kWh \$/kWh							(0.07095)				

San Diego Gas & Electric Company Application A.10- -\_\_\_ Illustration of Residential Bill Under Schedule DR-TOD-C and PeakShift at Home

Electric Servic Rate: DR-TOD-C, PSI Billing Period: 8/2/12 Meter Number: 99999 Meter Constant: 1.000 Circuit: 0295 Block: Metered Usage Summer	H Residential - 9/1/12 999	etail of Current Ch Baseline Allow Total Days: Next scheduled Meter Voltage I ag outage status	ance: d read d	336 30		kWh					
Billing Period: 8/2/12 Meter Number: 99999 Meter Constant: 1.000 Circuit: 0295 Block: Metered Usage Summer	- 9/1/12 999 0 051A <b>Rotatir</b>	Total Days: Next scheduled Meter Voltage	d read d	30		kWh					
Meter Number: 99999 Meter Constant: 1.000 Circuit: 0295 Block: Metered Usage Summer	999 0 051A <b>Rotatir</b>	Next scheduled Meter Voltage							Breakdown of Electric	Charges	
Meter Number: 99999 Meter Constant: 1.000 Circuit: 0295 Block: Metered Usage Summer	999 0 051A <b>Rotatir</b>	Next scheduled Meter Voltage		ata Oct 2, 20					The total electric charge section include the follow		
Meter Constant: 1.000 Circuit: 0295 Block: Metered Usage Summer	0 051A <b>Rotatir</b>	Meter Voltage			12			Cycle: 2	these terms are shown of		
Circuit: 0295 Block: Metered Usage Summer	051A <b>Rotatir</b>	-		Secondar				0,0.0. 2			
Summer					-	hout notice.			Electricity Generation		45.3
Summer	Curront								DWR Bond Charge		2.
Summer		Previous		D://		Meter		T	Transmission		6.
	Reading	- Reading	=	Difference	Х	Constant	=	Total kWh	Distribution	_	38.
Summer On-Peak	812	698		114		1.000	)	114	Public Purpose Program Nuclear Decommissioni		(11.) 0.:
Summer Semi-Peak	3870	3723		147		1.000		147	Competition Transition (	-	1.0
Summer Off-Peak	5106	4867		239		1.000		239	Reliability Services	<u> </u>	0.3
									Total Electric Costs		\$83
PeakShift Day Use	715	702		13		1.000	)	13			
ELECTRIC CHAR	RGES							Amounts(\$)	Time of Day - Electricity		
Electricity Delivery (L	Details below)	500	kWh						Summer On-Peak	kWh May 114 11am-6pm	1 - Sep 30 weekdays
Summer Usage	On-Peak	Semi-Peak		Off-Peak			_		Semi-Peak		n, and 6pm-10pm
kWh Used	114	147		239					Off-Peak		, plus Sat/Sun/Holidays
Rates/kWh Charge	\$0.18655 \$21.27	\$0.18655 \$27.42		\$0.18655 \$44.59			_	93.28	Total	500	
Jilaige	φ21.2 <i>1</i>	φ27.42		φ <del>44</del> .59			-	95.20	PeakShift Period Use ReduceYourUse Days:	13 11am-6pm Aug 7, Aug	on ReduceYourUse Da
DWR Bond Charge			500	kWh	)	\$0.00515	5	2.58			
Electricity Generatior	n (Details below	w) 500	kWh								
Summer Usage	On-Peak	Semi-Peak		Off-Peak		PeakShift Pe	eriod	Adder			
kWh Used	114	147		239	:	13					
Rates/kWh	\$0.08500	\$0.07146		\$0.05570		\$0.91000					
Charge	\$9.69	\$10.51		\$13.31		\$11.83	=	45.34			
	lite (Detaile De	()									
Baseline Usage Creo Baseline	ins (Details Be	1010)	336	kWh	,	-\$0.14736	. =	(49.51)			
1-30% over Baseline			63	kWh	-	-\$0.12659		(43.01)			
				Total	Elec	tric Charges	;	\$83.67			
TAXES & FEES ( Franchise Fees on Ele				33.33		x 1.10%		Amount (\$) 0.37			
State Surcharge Tax	cure Energy Sup	phied by Others			kW			0.37			
Franchise Fees on Ele	ctric Energy Su	oplied by Others			kW			0.12			
			tal Tax	es & Fees d	on F	lectric Charg	ies	0.60			
		10				Electric Serv		\$84.27			
								, <b>.</b> .			

## San Diego Gas & Electric Company Application 10-\_\_-Dynamic Pricing Rate Proposal Summary - Applicability by Rate Schedule and Demand Level

Schedule for Utility Distribution Company (UDC) Charges	Demand Level - Applicable to UDC Schedule	Demand Level Applicable to Dynamic Pricing	Dynamic Pricing Schedule							
	Customer	Class: Residential								
DR, DM, DS, DT, DT-RV (includes CARE)	N/A	all	Optional PSH							
	Customer Clas	ss: Small Commercial								
А	Less than 20 kW	all	PSW, Optional CPP-D							
A-TC	Less than 20 kW	all	NA							
	Less then 40 kW/	Less than 20 kW	PSW, Optional CPP-D							
A-TOU	Less than 40 kW	Greater than or equal to 20 kW	CPP-D							
Customer Class: M/L C&I										
AD	20 kW to 500 kW	all	CPP-D							
AL-TOU	all	Less than 20 kW	PSW, Optional CPP-D							
AL-TOU	ali	Greater than or equal to 20 kW	CPP-D							
DG-R	Less than or equal to 2 MW	all	Optional CPP-D							
AY-TOU	Less than 500 kW	Less than 20 kW	PSW, Optional CPP-D							
AY-100	Less than 500 kW	Greater than or equal to 20 kW	CPP-D							
A6-TOU	Greater than or equal to 500 kW	all	CPP-D							
PA-T-1	Less than 500 kW	Less than 20 kW	PSW, Optional CPP-D							
PA-1-1		Greater than or equal to 20 kW	CPP-D							
	Customer	Class: Agriculture								
		Less than 20 kW	PSW, Optional CPP-D							
PA	Less than or equal to 500 kW	Greater than or equal to 20 kW	CPP-D							

#### San Diego Gas & Electric Company Application 10-\_\_-Dynamic Pricing and TOD Rate Options by Schedule

Current Schedule for Utility Distribution Company (UDC) Charges	Current UDC Rate Structure	Current Commodity Rate Structure	CPP Rates	TOU Rates
		Customer Class: Reside	ntial	
R, DM, DS, DT, DT-RV (includes CARE)	4-tier, seasonal energy charges	Seasonal energy charges	Optional PSH	Optional EECC-DR-TOD-C energy charges
	l	Customer Class: Small Con	nmercial	
A	Seasonal energy charges	Seasonal energy charges	PSW, or Optional CPP-D	Optional EECC-AS-TOD energy charges
A-TC	Seasonal energy charges	Seasonal energy charges	Optional CPP-D	Optional TOU energy charges and demand charges
A-TOU	TOU energy charges and	Seasonal TOU energy	PSW or Optional CPP-D (for Less than 20 kW)	Optional EECC-AS-TOD energ and demand charges (for Less than 20 kW)
	demand charges	charges and demand charges	CPP-D (for Greater than or equal to 20 kW)	Optional TOU energy and demand charges (for Greater than or equal to 20 kW)
		Customer Class: Medium and	Large C&I	
AD	TOU energy charges and demand charges	TOU energy charges and demand charges	CPP-D	Optional TOU energy and demand charges
AL-TOU	TOU energy charges and demand charges	Seasonal TOU energy charges and demand charges	PSW or Optional CPP-D (for Less than 20 kW)	Optional EECC-AS-TOD energ and demand charges (for Les than 20 kW)
	demand charges		CPP-D (for Greater than or equal to 20 kW)	Optional TOU energy and demand charges (for Greater than or equal to 20 kW)
DG-R	TOU energy charges and	TOU energy charges	PSW or Optional CPP-D (for Less than 20 kW)	Optional EECC-AS-TOD energ and demand charges (for less than 20 kW)
bolk	demand charges		CPP-D (for greater than or equal to 20 kW)	Optional TOU energy and demand charges (for greater th or equal to 20 kW)
	TOU energy charges and	Seasonal TOU energy	PSW or Optional CPP-D (for Less than 20 kW)	Optional EECC-AS-TOD energy and demand charges (for Les than 20 kW)
AY-TOU	demand charges	charges and demand charges	CPP-D (for Greater than or equal to 20 kW)	Optional TOU energy and demand charges (for Greater than or equal to 20 kW)
A6-TOU	TOU energy charges and demand charges	Seasonal TOU energy charges and demand charges	CPP-D	Optional TOU energy and demand charges
	TOU energy charges and	Seasonal TOU energy	PSW or Optional CPP-D (for Less than 20 kW)	Optional EECC-AS-TOD energy and demand charges (for Les than 20 kW)
PA-T-1	demand charges	charges and demand charges	CPP-D (for Greater than or equal to 20 kW)	Optional TOU energy and demand charges (for Greater than or equal to 20 kW)
		Customer Class: Agricu	Iture	
PA	Socoopel anarrowstar	Socoonstances	PSW or Optional CPP-D (for Less than 20 kW)	Optional EECC-AS-TOD energy and demand charges (for Les than 20 kW)
FA	Seasonal energy charges	Seasonal energy charges	CPP-D (for Greater than or equal to 20 kW)	Optional TOU energy and demand charges (for Greate than or equal to 20 kW)

						Differer	nce	
Line No.	% Change	Accounts	Annual kWh	Rate A *	PSW	\$/Year	%	Line No.
1	-7.0% to -6.0%	363	27,763,724	\$4,630,230	\$4,310,109	(\$320,120)	-6.9%	1
2	-6.0% to -5.0%	3,483	51,500,205	\$8,861,412	\$8,382,569	(\$478,843)	-5.4%	2
3	-5.0% to -4.0%	719	21,573,881	\$3,637,080	\$3,472,275	(\$164,805)	-4.5%	3
4	-4.0% to -3.0%	8,355	155,223,670	\$26,654,547	\$25,756,902	(\$897,645)	-3.4%	4
5	-3.0% to -2.0%	10,585	282,321,675	\$49,130,070	\$48,010,834	(\$1,119,235)	-2.3%	5
6	-2.0% to -1.0%	17,907	328,275,385	\$56,603,354	\$55,781,849	(\$821,505)	-1.5%	6
7	-1.0% to 0.0%	12,024	313,788,671	\$53,426,615	\$53,187,297	(\$239,318)	-0.4%	7
8	0.0% to 1.0%	17,907	295,450,464	\$51,514,888	\$51,726,092	\$211,204	0.4%	8
9	1.0% to 2.0%	13,640	224,748,159	\$38,974,147	\$39,554,480	\$580,333	1.5%	9
10	2.0% to 3.0%	10,207	140,873,569	\$24,749,919	\$25,374,320	\$624,401	2.5%	10
11	3.0% to 4.0%	9,067	95,492,640	\$17,079,957	\$17,704,345	\$624,389	3.7%	11
12	4.0% to 5.0%	2,821	54,075,644	\$9,376,542	\$9,794,166	\$417,623	4.5%	12
13	6.0% to 7.0%	1,382	10,407,998	\$1,890,213	\$2,013,367	\$123,154	6.5%	13
14	7.0% to 8.0%	719	12,677,695	\$2,356,809	\$2,525,637	\$168,828	7.2%	14
15	Total	109,177	2,014,173,380	\$348,885,781	\$347,594,241	(\$1,291,540)	-0.4%	15

#### San Diego Gas & Electric Company Application A.10- -\_\_\_ Small Commerical Customer Estimated Annual Bill Impacts

\* Note: Based on Schedule A rates effective 5/1/10, adjusted to reflect season definition change

#### San Diego Gas & Electric Company Application A.10- -\_\_\_ Residential Customer Estimated Annual Bill Impacts

						Differen	ce	l
Line No.	% Change	Accounts	Annual kWh	Rate DR *	PSH	\$/Year	%	Line No.
1	Under -30.0%	0	0	\$0	\$0	\$0		1
2	-30.0% to -25.0%	0	0	\$0	\$0	\$0		2
3	-25.0% to -20.0%	0	0	\$0	\$0	\$0		3
4	-20.0% to -15.0%	0	0	\$0	\$0	\$0		4
5	-15.0% to -10.0%	3,519	7,330,264	\$995,915	\$893,754	(\$102,162)	-10.3%	5
6	-10.0% to -8.0%	11,137	34,291,858	\$4,811,415	\$4,387,908	(\$423,507)	-8.8%	6
7	-8.0% to -5.0%	82,573	612,962,563	\$130,469,077	\$122,687,220	(\$7,781,857)	-6.0%	7
8	-5.0% to -4.0%	80,727	621,984,699	\$127,701,156	\$121,879,840	(\$5,821,317)	-4.6%	8
9	-4.0% to -3.0%	153,514	1,028,196,933	\$194,270,563	\$187,521,397	(\$6,749,166)	-3.5%	9
10	-3.0% to -2.0%	173,813	1,116,573,115	\$204,683,604	\$199,494,632	(\$5,188,973)	-2.5%	10
11	-2.0% to -1.0%	174,015	1,131,379,336	\$212,493,390	\$209,227,034	(\$3,266,356)	-1.5%	11
12	-1.0% to 0.0%	103,644	782,546,965	\$153,480,041	\$152,610,467	(\$869,574)	-0.6%	12
13	SubTotal	782,942	5,335,265,733	\$1,028,905,163	\$998,702,252	(\$30,202,911)	-2.9%	13
14	0.0% to 1.0%	61,545	517,143,307	\$101,804,967	\$102,315,364	\$510,397	0.5%	14
15	1.0% to 2.0%	56,669	416,686,287	\$80,991,301	\$82,234,526	\$1,243,225	1.5%	15
16	2.0% to 3.0%	52,878	375,625,845	\$70,884,969	\$72,613,036	\$1,728,067	2.4%	16
17	3.0% to 4.0%	41,648	302,989,869	\$55,245,464	\$57,147,616	\$1,902,152	3.4%	17
18	4.0% to 5.0%	32,259	232,791,538	\$43,286,383	\$45,252,842	\$1,966,459	4.5%	18
19	5.0% to 8.0%	92,288	642,419,433	\$116,330,795	\$123,437,063	\$7,106,269	6.1%	19
20	8.0% to 10.0%	37,751	208,594,922	\$32,597,788	\$35,556,968	\$2,959,180	9.1%	20
21	10.0% to 15.0%	36,727	185,054,735	\$29,853,092	\$33,365,083	\$3,511,991	11.8%	21
22	15.0% to 20.0%	15,641	59,526,205	\$8,891,645	\$10,522,112	\$1,630,468	18.3%	22
23	20.0% to 25.0%	1,593	9,910,677	\$1,672,651	\$2,017,795	\$345,144	20.6%	23
24	25.0% to 30.0%	4,033	17,100,835	\$2,474,204	\$3,178,791	\$704,587	28.5%	24
25	Over 30.0%	2,016	3,932,229	\$527,391	\$723,093	\$195,703	37.1%	25
26	SubTotal	435,048	2,971,775,883	\$544,560,649	\$568,364,289	\$23,803,640	4.4%	26
27	Totals	1,217,990	8,307,041,616	\$1,573,465,811	\$1,567,066,541	(\$6,399,270)	-0.4%	27
	<u>-</u>			· · · · ·				i.

\* Note: Based on rates effective 5-1-10.

#### San Diego Gas & Electric Company Application A.10- -\_\_\_ System-Average and Class-Average Rate Impacts - 2011 through 2015

	Based	on Rates Effective (AL 2066-E)	9 5/1/10		Proposed 2011			
	Current Total UDC Rate (¢/KWhr)	Current Avg. Commodity (¢/KWhr)	Current Total Rate (¢/KWhr)	Proposed Total UDC Rate (¢/KWhr)	Proposed Avg. Commodity (¢/KWhr)	Proposed Total Rate (¢/KWhr)	Total Rate Change (¢/KWhr)	Total Rate Change (%)
Residential	9.861	7.828	17.689	9.811	7.828	17.639	(0.050)	-0.28%
Small Commercial	9.230	8.435	17.665	9.191	8.435	17.626	(0.039)	-0.22%
Med. & Large C&I	5.850	8.373	14.223	5.830	8.373	14.203	(0.020)	-0.14%
Agriculture	9.115	8.059	17.174	9.077	8.059	17.136	(0.038)	-0.22%
Lighting	9.730	5.799	15.529	9.704	5.799	15.503	(0.026)	-0.17%
System Total	7.729	8.123	15.852	7.696	8.123	15.819	(0.033)	-0.21%

Proposed Total UDC Rate (¢/KWhr) 9.930

9.283

5.879 9.168

9.767

7.776

#### Based on Rates Effective 5/1/10 (AL 2066-E)

	()			
	Current Total UDC Rate (¢/KWhr)	Current Avg. Commodity (¢/KWhr)	Current Total Rate (¢/KWhr)	
Residential	9.861	7.828	17.689	
Small Commercial	9.230	8.435	17.665	
Med. & Large C&I	5.850	8.373	14.223	
Agriculture	9.115	8.059	17.174	
Lighting	9.730	5.799	15.529	
System Total	7.729	8.123	15.852	

#### Proposed 2012

Proposed	Proposed	Total	Total
Avg. Commodity (¢/KWhr)	Total Rate (¢/KWhr)	Rate Change (¢/KWhr)	Rate Change (%)
7.828	17.758	0.069	0.39%
8.435	17.718	0.053	0.30%
8.373	14.252	0.029	0.20%
8.059	17.227	0.053	0.31%
5.799	15.566	0.037	0.24%
8.123	15.899	0.047	0.30%

#### Based on Rates Effective 5/1/10 (AL 2066-E)

	(AL 2000-L)				
	Current Total UDC Rate (¢/KWhr)	Current Avg. Commodity (¢/KWhr)	Current Total Rate (¢/KWhr)		
Residential	9.861	7.828	17.689		
Small Commercial	9.230	8.435	17.665		
Med. & Large C&I	5.850	8.373	14.223		
Agriculture	9.115	8.059	17.174		
Lighting	9.730	5.799	15.529		
System Total	7.729	8.123	15.852		

#### Proposed 2013

		2013			
rrent Il Rate (Whr)	Proposed Total UDC Rate (¢/KWhr)	Proposed Avg. Commodity (¢/KWhr)	Proposed Total Rate (¢/KWhr)	Total Rate Change (¢/KWhr)	Total Rate Change (%)
689	10.109	7.828	17.937	0.248	1.40%
665	9.420	8.435	17.855	0.190	1.08%
223	5.951	8.373	14.324	0.101	0.71%
174	9.304	8.059	17.363	0.189	1.10%
529	9.860	5.799	15.659	0.130	0.84%
852	7.895	8.123	16.018	0.166	1.05%

#### Based on Rates Effective 5/1/10 (AL 2066-E)

	Current Total UDC Rate (¢/KWhr)	Current Avg. Commodity (¢/KWhr)	Current Total Rate (¢/KWhr)
Residential	9.861	7.828	17.689
Small Commercial	9.230	8.435	17.665
Med. & Large C&I	5.850	8.373	14.223
Agriculture	9.115	8.059	17.174
Lighting	9.730	5.799	15.529
System Total	7.729	8.123	15.852

#### Proposed 2014

t te r)	Proposed Total UDC Rate (¢/KWhr)	Proposed Avg. Commodity (¢/KWhr)	Proposed Total Rate (¢/KWhr)	Total Rate Change (¢/KWhr)	Total Rate Change (%)
	10.128	7.828	17.956	0.267	1.51%
	9.435	8.435	17.870	0.205	1.16%
	5.960	8.373	14.333	0.110	0.77%
	9.319	8.059	17.378	0.204	1.19%
	9.870	5.799	15.669	0.140	0.90%
	7.909	8.123	16.032	0.180	1.14%

#### Proposed Based on Rates Effective 5/1/10 (AL 2066-E) 2015 Current Total UDC Rate Current Proposed Total UDC Rate Proposed Proposed Total Rate Total Current Total Avg. Commodity (¢/KWhr) Avg. Commodity Total Rate Rate Change Rate Change (¢/KWhr) (¢/KWhr) (%) (¢/KWhr) (¢/KWhr) (¢/KWhr) (¢/KWhr) 1.33% 9.861 7.828 17.689 10.097 7.828 17.925 0.236 Residential Small Commercial 9.230 8.435 17.665 9.411 8.435 17.846 0.181 1.02% 0.68% 5.850 8.373 14.223 5.947 8.373 14.320 0.097 Med. & Large C&I Agriculture 9.115 8.059 17.174 9.295 8.059 17.354 0.180 1.05% 9.730 5.799 9.854 15.653 0.124 0.80% Lighting 15.529 5.799 System Total 7.729 8.123 15.852 7.888 8.123 16.011 0.159 1.00%

Notes:

DWR-BC is included in Current and Proposed Total UDC Rate

# San Diego Gas & Electric Company Application 10-\_\_-TYPICAL MONTHLY RESIDENTIAL ENERGY CHARGES AT PRESENT AND PROPOSED (INLAND CUSTOMERS) Schedule DR (Summer Billing Period)

		05/01/10 PRESENT	2011 PROPOSED			
	ENERGY	BILL	BILL	CHANGE	CHANGE	
LINE	(KWH)	(\$)	(\$)	(\$)	(%)	LINE
NO.	(A)	<u>(B)</u>	(¢) (C)	(t) (D)	(E)	NO.
1	25	5.12	5.12	\$0.00	0.0%	1
2	50	6.73	6.73	0.00	0.0%	2
3	75	10.10	10.10	0.00	0.0%	3
4	100	13.45	13.45	0.00	0.0%	4
5	150	20.19	20.19	0.00	0.0%	5
6	200	26.91	26.91	0.00	0.0%	6
7	250	33.65	33.65	0.00	0.0%	7
8	300	40.38	40.38	0.00	0.0%	8
9	350	47.39	47.39	0.00	0.0%	9
10	400	55.17	55.17	0.00	0.0%	10
11	450	64.45	64.43	(0.02)	0.0%	11
12	500	78.07	77.97	(0.10)	-0.1%	12
13 14	600 700	105.30 133.11	105.04 132.69	(0.26)	-0.2% -0.3%	13 14
14	800	162.35	161.77	(0.42) (0.58)	-0.3%	14
16	900	191.59	190.86	(0.58)	-0.4%	16
17	1000	220.82	219.93	(0.89)	-0.4%	10
18	1500	367.02	365.33	(1.69)	-0.5%	18
19	2000	513.21	510.73	(2.48)	-0.5%	19
20	3000	805.60	801.53	(4.07)	-0.5%	20
21	0000	000.00	001.00	(1.07)	0.070	21
22						22
		<b>.</b>				
23		Sched	ule DR(Winter Billina F	Period)		23
23 24		Sched	ule DR (Winter Billing F	Period)		23 24
23 24 25		Sched 05/01/10	ule DR (Winter Billing F 2011	Period)		23 24 25
24 25 26			· -	Period)		24
24 25	ENERGY	05/01/10	2011	<b>'eriod)</b> CHANGE	CHANGE	24 25
24 25 26 27 28	ENERGY (KWH)	05/01/10 PRESENT BILL (\$)	2011 PROPOSED BILL (\$)		(%)	24 25 26 27 28
24 25 26 27 28 29		05/01/10 PRESENT BILL	2011 PROPOSED BILL	CHANGE		24 25 26 27 28 29
24 25 26 27 28 29 30	(KWH) (A)	05/01/10 PRESENT BILL (\$) (B)	2011 PROPOSED BILL (\$) (C)	CHANGE (\$) (D)	(%) (E)	24 25 26 27 28 29 30
24 25 26 27 28 29 30 31	(KWH) (A) 25	05/01/10 PRESENT BILL (\$) (B) 5.12	2011 PROPOSED BILL (\$) 	CHANGE (\$) (D) 0.00	(%) (E) 0.0%	24 25 26 27 28 29 30 31
24 25 26 27 28 29 30 31 32	(KWH) (A) 25 50	05/01/10 PRESENT BILL (\$)  5.12 6.73	2011 PROPOSED BILL (\$) (C) 5.12 6.73	CHANGE (\$) (D) 0.00 0.00	(%) (E) 0.0% 0.0%	24 25 26 27 28 29 30 31 32
24 25 26 27 28 29 30 31 32 33	(KWH) (A) 25 50 75	05/01/10 PRESENT BILL (\$)  5.12 6.73 10.10	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10	CHANGE (\$) (D) 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33
24 25 26 27 28 29 30 31 32 33 34	(KWH) (A) 25 50 75 100	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 33 34
24 25 26 27 28 29 30 31 32 33 34 35	(KWH) (A) 25 50 75 100 150	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35
24 25 26 27 28 29 30 31 32 33 34 35 36	(KWH) (A) 25 50 75 100 150 200	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35 36
24 25 26 27 28 29 30 31 32 33 34 35 36 37	(KWH) (A) 25 50 75 100 150 200 250	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35 36 37
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	(KWH) (A) 25 50 75 100 150 200 250 300	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	(KWH) (A) 25 50 75 100 150 200 250 300 350	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	(KWH) (A) 25 50 75 100 150 200 250 300 350 400	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	(KWH) (A) 25 50 75 100 150 200 250 300 350 400 450	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	(KWH) (A) 25 50 75 100 150 200 250 300 350 400 450 500	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49 131.13	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21 130.69	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49 131.13 158.74	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21 130.69 158.14	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49 131.13	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21 130.69	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900 1000	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49 131.13 158.74 186.34 213.94	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21 130.69 158.14 185.59 213.02	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49 131.13 158.74 186.34	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21 130.69 158.14 185.59	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900 1000 1500	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.10 78.90 104.49 131.13 158.74 186.34 213.94 351.94	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 47.64 55.42 66.05 78.77 104.21 130.69 158.14 185.59 213.02 350.23	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

# San Diego Gas & Electric Company Application 10-\_\_-TYPICAL MONTHLY RESIDENTIAL ENERGY CHARGES AT PRESENT AND PROPOSED (COASTAL CUSTOMERS) Schedule DR (Summer Billing Period)

		05/01/10 PRESENT	2011 PROPOSED			
	ENERGY	BILL	BILL	CHANGE	CHANGE	
LINE	(KWH)	(\$)	(\$)	(\$)	(%)	LINE
<u>NO.</u>	<u>(A)</u>	<u>(B)</u>	<u>(C)</u>	<u>(D)</u>	<u>(E)</u>	<u>NO.</u>
1	25	5.12	5.12	\$0.00	0.0%	1
2	50	6.73	6.73	0.00	0.0%	2
3	75	10.10	10.10	0.00	0.0%	3
4	100	13.45	13.45	0.00	0.0%	4
5 6	150	20.19	20.19	0.00	0.0%	5
6	200	26.91	26.91	0.00	0.0%	6
7	250	33.65	33.65	0.00	0.0%	7
8	300	40.63	40.63	0.00	0.0%	8
9	350	48.39	48.39	0.00	0.0%	9
10	400	59.21	59.17	(0.04)	-0.1%	10
11	450	72.82	72.70	(0.12)	-0.2%	11
12	500	86.44 114.15	86.24	(0.20)	-0.2%	12
13 14	600 700	143.40	113.79 142.88	(0.36)	-0.3% -0.4%	13 14
14	800	172.64	142.00	(0.52) (0.68)	-0.4%	14
16	900	201.88	201.05	(0.83)	-0.4%	16
17	1000	231.12	230.12	(1.00)	-0.4%	17
18	1500	377.31	375.52	(1.79)	-0.5%	18
19	2000	523.51	520.92	(2.59)	-0.5%	19
20	3000	815.90	811.72	(4.18)	-0.5%	20
21	0000	010.00	011.72	(4.10)	0.070	21
22						22
		<b>.</b>				
23		Sched	ule DR(Winter Billina P	Period)		23
23 24		Sched	ule DR (Winter Billing F	Period)		23 24
24		Sched 05/01/10	· -	eriod)		24
			ule DR (Winter Billing F 2011 PROPOSED	?eriod)		
24 25	ENERGY	05/01/10	2011	<b>'eriod)</b> CHANGE	CHANGE	24 25
24 25 26 27 28	(KWH)	05/01/10 PRESENT	2011 PROPOSED		CHANGE (%)	24 25 26 27 28
24 25 26 27 28 29		05/01/10 PRESENT BILL	2011 PROPOSED BILL	CHANGE		24 25 26 27 28 29
24 25 26 27 28 29 30	(KWH) (A)	05/01/10 PRESENT BILL (\$) (B)	2011 PROPOSED BILL (\$) (C)	CHANGE (\$) (D)	(%) (E)	24 25 26 27 28 29 30
24 25 26 27 28 29 30 31	(KWH) (A) 25	05/01/10 PRESENT BILL (\$) (B) 5.12	2011 PROPOSED BILL (\$) 	CHANGE (\$) (D) 0.00	(%) (E) 0.0%	24 25 26 27 28 29 30 31
24 25 26 27 28 29 30 31 32	(KWH) (A) 25 50	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) 	CHANGE (\$) (D) 0.00 0.00	(%) (E) 0.0% 0.0%	24 25 26 27 28 29 30 31 32
24 25 26 27 28 29 30 31 32 33	(KWH) (A) 25 50 75	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10	CHANGE (\$) (D) 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33
24 25 26 27 28 29 30 31 32 33 34	(KWH) (A) 25 50 75 100	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34
24 25 26 27 28 29 30 31 32 33 34 35	(KWH) (A) 25 50 75 100 150	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35
24 25 26 27 28 29 30 31 32 33 34 35 36	(KWH) (A) 25 50 75 100 150 200	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35 36
24 25 26 27 28 29 30 31 32 33 34 35 36 37	(KWH) (A) 25 50 75 100 150 200 250	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35 36 37
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	(KWH) (A) 25 50 75 100 150 200 250 300	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	(KWH) (A) 25 50 75 100 150 200 250 300 350	05/01/10 PRESENT BILL (\$) 	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	(KWH) (A) 25 50 75 100 150 200 250 300 350 400	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	(KWH) (A) 25 50 75 100 150 200 250 300 350 400 450	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	(KWH) (A) 25 50 75 100 150 200 250 300 350 400 450 500	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	(KWH) (A) 25 50 75 100 150 200 250 300 350 400 450 500 600	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64 135.13	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32 134.65	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64 135.13 162.73	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32 134.65 162.09	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64 135.13 162.73 190.34	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32 134.65 162.09 189.54	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900 1000	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64 135.13 162.73 190.34 217.93	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32 134.65 162.09 189.54 216.97	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900 1000 1500	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64 135.13 162.73 190.34 217.93 355.93	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32 134.65 162.09 189.54 216.97 354.18	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	(KWH) (A) 25 50 75 100 150 200 250 300 250 300 350 400 450 500 600 700 800 900 1000	05/01/10 PRESENT BILL (\$) (B) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.46 69.25 82.05 107.64 135.13 162.73 190.34 217.93	2011 PROPOSED BILL (\$) (C) 5.12 6.73 10.10 13.45 20.19 26.91 33.65 40.38 48.08 56.45 69.17 81.88 107.32 134.65 162.09 189.54 216.97	CHANGE (\$) (D) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	(%) (E) 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47