

Decision _____



FILED
8-08-16
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BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking to Enhance the Role of Demand Response in Meeting the State's Resource Planning Needs and Operational Requirements.	Rulemaking 13-09-011 (Filed September 19, 2013)
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**INTERVENOR COMPENSATION CLAIM OF
THE UTILITY REFORM NETWORK
AND DECISION ON INTERVENOR COMPENSATION CLAIM OF
THE UTILITY REFORM NETWORK**

Claimant: The Utility Reform Network	For contributions to: D.15-11-042, D.16-06-029, Resolution E-4728 and Various Rulings		
Claimed (\$): 136,122.38	Awarded (\$):		
Assigned Commissioner: Michel P. Florio	Assigned ALJ: Kelly A. Hymes		
I hereby certify that the information I have set forth in Parts I, II, and III of this Claim is true to my best knowledge, information and belief. I further certify that, in conformance with the Rules of Practice and Procedure, this Claim has been served this day upon all required persons (as set forth in the Certificate of Service attached as Attachment 1).			
Signature:		/s/	
Date:	August 8, 2016	Printed Name:	Marcel Hawiger

PART I: PROCEDURAL ISSUES (to be completed by Claimant except where indicated)

A. Brief Description of Decision:	<p>In Resolution E-4728 the Commission approved the Demand Response Auction Mechanism (“DRAM”) pilot for utility procurement of supply resource demand response capacity through an auction mechanism for delivery in the summer of 2016.</p> <p>D.15-11-042 resolved the question of how to value the benefits of load modifying demand response by holding that only supply resource demand response has capacity value. The Decision rejected the “hard trigger” proposal of</p>
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	<p>the CAISO and rejected the proposal of the utilities and demand response providers to conduct additional studies. The Decision also adopted limited changes to the cost-effectiveness protocols for demand response.</p> <p>D.16-06-029 authorized utility budgets and limited program modifications for demand response activities in the bridge year 2017.</p>
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B. Claimant must satisfy intervenor compensation requirements set forth in Public Utilities Code §§ 1801-1812:

	Claimant	CPUC Verified
Timely filing of notice of intent to claim compensation (NOI) (§ 1804(a)):		
1. Date of Prehearing Conference:	October 24, 2013	
2. Other Specified Date for NOI:		
3. Date NOI Filed:	November 25, 2013	
4. Was the NOI timely filed?		
Showing of customer or customer-related status (§ 1802(b)):		
5. Based on ALJ ruling issued in proceeding number:		
6. Date of ALJ ruling:		
7. Based on another CPUC determination (specify):	D.15-10-010 (see note)	
8. Has the Claimant demonstrated customer or customer-related status?		
Showing of “significant financial hardship” (§ 1802(g)):		
9. Based on ALJ ruling issued in proceeding number:	A.12-11-009	
10. Date of ALJ ruling:	9/6/2013	
11. Based on another CPUC determination (specify):		
12. Has the Claimant demonstrated significant financial hardship?		
Timely request for compensation (§ 1804(c)):		
13. Identify Final Decision:	D.16-06-029	
14. Date of Issuance of Final Order or Decision:	June 16, 2016	
15. File date of compensation request:	August 8, 2016	
16. Was the request for compensation timely?		

C. Additional Comments on Part I (use line reference # as appropriate):

#	Claimant	CPUC	Comment
			<p>The Commission previously awarded TURN compensation for work leading up to D. 15-02-007 in D.15-10-010. The Commission found that TURN demonstrated customer-related status in that decision.</p> <p>This compensation request covers work that was not requested in the first compensation request.</p>

PART II: SUBSTANTIAL CONTRIBUTION (to be completed by Claimant except where indicated)

- A. In the fields below, describe in a concise manner Claimant's contribution to the final decision (*see* § 1802(i), § 1803(a) & D.98-04-059). (For each contribution, support with specific reference to the record.)

Contributions to D.15-11-042	Specific References to Claimant's Presentations and to Decision	
<p>1. Valuation Working Group: Generation Capacity Value</p> <p>TURN argued that the CAISO hard trigger proposal had unintended consequences that would result in over-use of demand response during non-peak shoulder months. TURN recommended that the Commission adopt a modified version of the CAISO hard trigger proposal.</p> <p>The Commission rejected both the CAISO proposal for the reasons enunciated by TURN, and also rejected the IOU/DRP proposal and found that load modifying DR has no RA value. While the Commission did not adopt TURN's exact proposal, TURN suggests that our position was closer to the final outcome than that of other parties.</p>	<p>TURN Opening Comments, July 31, 2015, p. 4-11.</p> <p>See, also, D.15-11-042, p. 11-12 (including fn. 12, 13, 15 and 18) and p. 21.</p> <p>D.15-11-042, p. 15, 20-21.</p>	
<p>2. Cost Effectiveness Protocols: D Factor (T&D Capacity Value)</p> <p>Though technically part of the cost effectiveness protocols analysis, the T&D Subgroup of the TOU Valuation Working Group analyzed methods of calculating the locational benefits of demand response due to avoided T&D costs.</p>		

<p>TURN supported more locationally discrete valuation, such as being pursued in the DRP OIR 14-08-013, and recommended that the calculation of the D factor should be based on methodologies being developed in the DRP proceeding.</p> <p>The Commission rejected proposals to use the NEM or Present Worth valuation methods and agreed with PG&E to defer the issue to the DRP OIR so as to use the locational net benefits methodology being developed in that proceeding.</p>	<p>TURN Opening Comments, July 31, 2015, p. 12.</p> <p>D.15-11-042, p. 26, 39.</p>	
<p>Contributions to Rulings and Scoping Memos in R.13-09-011</p>	<p>Specific References to Claimant's Presentations and to Decision</p>	
<p>1. Use of BUGs</p> <p>TURN supported banning all use of back-up generators during a demand response event.</p> <p>TURN supported elimination of the requirement for attestation by residential customers.</p> <p>TURN recommended that BUGs be prohibited for demand response programs in 2017; though TURN cautioned that concerns about emissions may not apply to demand response dispatched purely for reliability purposes.</p> <p>The Commission ordered a workshop on this issue and delayed resolution until later.</p>	<p>Joint Opening Comments of NRDC, EDF and TURN, October 15, 2015, p. 1-4.</p> <p>TURN Reply Comments, October 19, 2015, p. 1-2.</p> <p>TURN Comments on 2017 Guidance, August 26, 2015, p. 1-2.</p> <p>ALJ Ruling, December 4, 2015, p. 3-5.</p>	
<p>2. Guidance for 2017 Programs</p> <p>TURN recommended that the Commission require the utilities to analyze the results of TA/TA/AutoDR activities and propose any necessary changes for 2017.</p> <p>The Commission ordered the utilities to include program changes to improve these programs.</p>	<p>TURN Comments on 2017 Guidance, August 26, 2015, p. 2-4.</p> <p>Joint Ruling, September 15, 2015, p. 10.</p>	
<p>Contributions to Res. E-4728 (2016 DRAM Pilot) and Staff Disposition</p>		

<p>1. Use of BUGs</p> <p>TURN supported the Alternative Draft Resolution which prohibited the use of BUGs in DRAM.</p> <p>The Commission adopted the Alternate Draft proposal to ban BUGs from DRAM.</p> <p>2. Residential Set Aside</p> <p>TURN supported staff proposal for a 20% residential set aside, with an aggregation made up almost entirely of residential customers.</p> <p>The Commission adopted the 20% set aside, and required a minimum of 90% residential customers in an aggregation.</p> <p>3. Issues for 2017 DRAM</p> <p>TURN recommended that procurement of RDRR capacity in the DRAM should be added in the list of issues for the 2017 DRAM.</p> <p>The Commission adopted this proposal.</p> <p>4. Disposition of 2016 DRAM Contracts</p> <p>TURN recommended that SDG&E not be allowed to use a proprietary benchmark.</p> <p>ED Staff agreed and ordered SDG&E not to use a benchmark for the 2017 DRAM.</p>	<p>TURN Comments Draft and Alternate Resolution 4728, July 13, 2015, p. 1-2.</p> <p>Resolution E-4728, p. 14-15.</p> <p>TURN Comments Draft and Alternate Resolution 4728, July 13, 2015, p. 1-2.</p> <p>Resolution E-4728, p. 18-20, 29-30.</p> <p>TURN Comments Draft and Alternate Resolution 4728, p. 2.</p> <p>Resolution E-4728, p. 32.</p> <p>TURN Protest to AL 2843-E.</p> <p>Staff Disposition Letter, March 10, 2016.</p>	
<p>Contributions to D.16-06-029</p>	<p>Specific References to Claimant's Presentations and to Decision</p>	

<p>1. Automated Demand Response Program Design</p> <p>TURN supported PG&E's proposal to reduce the incentive level to pay the entire incentive up front, but reduce the incentive level to \$150/kW and cap total incentives at 50% of project costs.</p> <p>The Commission adopted a compromise position by authorizing 1) an incentive of \$200/kW, 2) a cap of 75% of costs, and 3) maintaining the 60/40 split in incentive payments.</p>	<p>TURN Comments on Proposals for 2017 Bridge Funding, March 2, 2016, p. 4-6.</p> <p>D.16-06-029, p. 46-50.</p>	
<p>2. Automated Demand Response Program – Eligibility</p> <p>TURN argued that BIP customers should not be eligible for AutoDR subsidies due to the infrequent program dispatch.</p> <p>The Commission accepted TURN's recommendation.</p>	<p>TURN Comments on Proposals for 2017 Bridge Funding, March 2, 2016, p. 5.</p> <p>D.16-06-029, p. 50.</p>	
<p>3. SDG&E BIP</p> <p>TURN recommended that a BIP customer seeking to change their firm service level be required to re-test.</p> <p>The Commission adopted this recommendation.</p>	<p>TURN Comments on Proposals for 2017 Bridge Funding, March 2, 2016, p. 7.</p> <p>D.16-06-029, p. 65.</p>	
<p>4. SDG&E's Summer Saver Pilot</p> <p>TURN argued that this pilot was duplicative and should not be funded.</p> <p>The Commission disagreed with TURN.</p>	<p>TURN Comments on Proposals for 2017 Bridge Funding, March 2, 2016, p. 8.</p> <p>D.16-06-029, p. 66.</p>	

B. Duplication of Effort (§§ 1801.3(f) & 1802.5):

	Claimant	CPUC Verified
<p>a. Was the Division of Ratepayer Advocates (DRA) a party to the proceeding?</p>	Yes	
<p>b. Were there other parties to the proceeding with positions similar to yours?</p>	On some issues	

<p>c. If so, provide name of other parties:</p> <p>In addition to the electric utilities and the California ISO, a large number of parties, representing demand response providers and environmental groups, participated in working groups on demand response valuation and DRAM design.</p> <p>TURN was the only party arguing for a modified hard trigger proposal with respect to the valuation of the generation capacity value for demand response.</p> <p>TURN's position concerning the valuation of T&D benefits of demand response was somewhat aligned with the positions of the utilities.</p> <p>In general, TURN's positions provided a middle ground between utility and demand response provider proposals.</p>	
<p>d. Describe how you coordinated with DRA and other parties to avoid duplication or how your participation supplemented, complemented, or contributed to that of another party:</p> <p>In this proceeding TURN engaged in several communications with ORA, as well as with other parties to the proceeding, in order to better identify issues that require TURN's input. In the Working Group process, TURN focused on certain issues related to generation capacity (hard trigger) and T&D capacity valuation.</p> <p>TURN's compensation in this proceeding should not be reduced for duplication of the showings of other parties. In a proceeding involving multiple participants, it is virtually impossible for TURN to completely avoid some duplication of the work of other parties. In this case, TURN took all reasonable steps to keep such duplication to a minimum, and to ensure that when it did happen, our work served to complement and assist the showings of the other parties.</p> <p>Any incidental duplication that may have occurred here was more than offset by TURN's unique contribution to the proceeding. Under these circumstances, no reduction to our compensation due to duplication is warranted given the standard adopted by the Commission in D.03-03-031.</p>	

C. Additional Comments on Part II (use line reference # or letter as appropriate):

#	Intervenor's Comment	CPUC Discussion
	<p><u>Partial Contribution</u></p> <p>The Commission has interpreted the Section 1802 definition, in conjunction with Section 1801.3, so as to effectuate the legislature's intent to encourage effective and efficient intervenor participation. The statutory provision of "in whole or in part," as interpreted by multiple Commission decisions on intervenor compensation requests, has established as a</p>	

general proposition that when a party makes a substantial contribution in a multi-issue proceeding, it is entitled to compensation for time and expenses even if it does not prevail on some of the issues. See, for example, D.98-04-028 (awarding TURN full compensation in CTC proceeding, even though TURN did not prevail on all issues); D.98-08-016, pp. 6, 12 (awarding TURN full compensation in SoCalGas PBR proceeding); D.00-02-008, pp. 4-7, 10 (awarding TURN full compensation even though we unsuccessfully opposed settlement).

The standard for an award of intervenor compensation is whether TURN made a substantial contribution to the Commission's decision, not whether TURN prevailed on a particular issue, or on every issue. For example, the Commission recognized that it "may benefit from an intervenor's participation even where the Commission did not adopt any of the intervenor's positions or recommendations." D.08-04-004, p. 5-6 (in the review of SCE's contract with Long Beach Generation, A.06-11-007). The Commission reached a similar conclusion in D.09-04-027, awarding intervenor compensation for TURN's efforts in the SCE AMI proceeding (A.07-07-026) even on issues where TURN did not prevail, as TURN's efforts "contributed to the inclusion of these issues in the Commission's deliberation" and caused the Commission to "add more discussion on the issue, in part to address TURN's comments." D.09-04-027, p. 4. See, also, D.10-06-046, p. 5.

In this phase of OIR 13-09-011, the Commission adopted an outcome on the primary issue of generation capacity valuation that was closer to TURN's position than to the position of the other parties in this proceeding. The Commission also adopted a consensus DRAM process, and adopted several of TURN's specific recommendations concerning program design and budgets for 2017. TURN suggests that the scope of TURN substantial contributions warrants compensation for all of TURN's time and expenses in this proceeding. However, if the Commission determines that some disallowance is needed, TURN has attempted to

	itemize our work consistent with the primary issues we addressed.	

PART III: REASONABLENESS OF REQUESTED COMPENSATION (to be completed by Claimant except where indicated)

A. General Claim of Reasonableness (§§ 1801 & 1806):

<p>a. Concise explanation as to how the cost of Claimant’s participation bears a reasonable relationship with benefits realized through participation (include references to record, where appropriate)</p> <p>In this phase of the rulemaking proceeding, TURN primarily addressed policy and market design issues concerning: 1) the valuation of load modifying demand response; and 2) procurement using the demand response auction mechanism. TURN also addressed certain program design issues related to 2017 demand response programs.</p> <p>It is impossible to quantify the direct financial benefits of TURN’s participation. However, TURN advanced positions that will result in 1) more appropriate valuation of load modifying demand response products; and 2) more competitive procurement of supply-side demand response products through the demand response auction mechanism. Thus, TURN’s advocacy and contributions to the Commission decisions should result in the procurement of both more effective and lower cost demand response products and services.</p> <p>These results will reduce ratepayer costs in the long run, because they will both reduce the costs of demand response products, and they will improve the ability of demand response to defer the need for conventional generation capacity.</p> <p>Additionally, TURN’s recommendations concerning AutoADR and the BIP program reduce potential expenditures in 2017, though TURN is unable to quantify this impact.</p>	<p>CPUC Verified</p>
<p>b. Reasonableness of Hours Claimed.</p> <p>TURN requests compensation for 416 hours of professional time, including 182.5 hours of attorney time and 233.5 hours of expert witness time. This significant amount of time reflects the fact that this phase of the rulemaking spanned two years, addressed multiple issues concerning the valuation of load modifying demand response, the demand response auction mechanism, and programs and budgets for 2017. It resulted in</p>	

contributions to two decisions, one resolution and several ALJ Rulings and staff advice letter dispositions.

TURN devoted the services of its Staff Attorney Marcel Hawiger, its in-house energy analyst Eric Borden, and its consultant Kevin Woodruff. The role of each of these individuals and the reasonableness of the time spent on this case is discussed below.

This compensation request does not include any time spent in the proceeding addressing issues related to the Potential Study or Demand Response for 2018 and beyond, which have not yet been addressed by a Commission Decision or Resolution.

Attorney Hours:

Almost all of the attorney hours in this proceeding were due to the work of TURN's lead attorney, Marcel Hawiger. Mr. Hawiger has been a staff attorney with TURN since 1998. Mr. Hawiger has been the lead attorney on several proceedings related to demand response and DSM issues, including prior rulemakings addressing the cost effectiveness of demand response and prior applications for demand response programs and cost recovery.

In this proceeding, Mr. Hawiger participated in some of the valuation working group meetings, especially in the meetings of the T&D valuation working group. He was responsible for drafting and/or editing most of TURN's comments and pleadings, including the following documents in this phase of the rulemaking:

- TURN Comments Concerning Cost Effectiveness Protocols and the Valuation Working Group, July 31, 2015
- TURN Reply Comments Concerning Cost Effectiveness Protocols and the Valuation Working Group, August 14, 2015
- TURN Comments on Proposed Guidance for 2017 Programs, August 26, 2015
- TURN Reply Comments on the Use of Fossil-Fueled Back-Up Generation, October 19, 2015
- TURN Protest to SDG&E AL 2843, February 22, 2016
- TURN Comments on Utility Proposals for 2017, March 2, 2016
- TURN Comments on Proposed Decision Adopting Funding for 2017, May 23, 2016

As shown in the issue allocation table below, approximately 60% of Mr. Hawiger's hours were devoted to participation in the valuation working group and the DRAM working group. These working groups met

repeatedly starting in the fall of 2014. Due to considerable difference in opinion between some of the major parties, the valuation working group process was similar to a major settlement negotiation.

Approximately 15% of Mr. Hawiger's time involved a review and evaluation of utility proposals for budgets and programs in 2017, and approximately 10% involved an evaluation of utility procurement results from the 2016 DRAM solicitation.

TURN suggests that the Commission should find that the number of issues addressed in this phase of the rulemaking, and the time necessary for participating in working groups and workshops, preparing various pleadings, and reviewing program applications and advice letter filings by all three electric utilities, warrant finding that the hours spent by Mr. Hawiger were reasonable.

Expert Witness Hours:

Kevin Woodruff

TURN retained Mr. Kevin Woodruff as an expert witness in this proceeding. Mr. Woodruff has been an expert witness for TURN for over a decade, working on conventional procurement, resource adequacy and wholesale market issues. His resume was included as Attachment 5 to TURN's prior compensation request in this proceeding, and TURN does not include it again.

Mr. Woodruff represented TURN on the Generation Capacity subgroup of the Valuation Working Group. His expertise in the valuation of conventional generation capacity and the operations of the wholesale market were invaluable in analyzing the proposals for how to value load modifying demand response that does not bid into the wholesale markets.

Additionally, Mr. Woodruff provided all the technical support for the analysis provided in TURN's Response to the ALJ Questions concerning the hard trigger proposal, submitted on July 31, 2015.

Mr. Woodruff devoted approximately 211 hours of time to work in this phase of the proceeding. The relatively large number of hours primarily reflects the extensive number of multi-party Valuation Working Group meetings necessary to address the valuation issues concerning LMDR and to address the significant disputes among the parties.

Eric Borden

TURN's in-house analyst, Mr. Eric Borden, provided subject matter expertise in the valuation of the potential benefits of demand response in

avoiding or deferring utility investments in transmission and distribution (T&D) assets, by participating in the T&D subgroup of the Valuation Working Group. Mr. Borden spent only a limited amount of time (22 hours) attending Working Group meetings, since many of the issues regarding T&D valuation were deferred to the distribution resource plan proceeding (R.14-08-013).

Mr. Borden had approximately seven years of professional experience in the energy field prior to joining TURN in February of 2015, and his academic research addressed electric vehicles and public charging infrastructure. Since joining TURN, Mr. Borden has focused on issues related to distribution capacity planning and investments and electric vehicle infrastructure investments. Mr. Borden has analyzed and/or submitted testimonies in the electric vehicle proceedings, the distribution resource plan proceedings, the storage procurement proceeding, and the electric distribution capacity investments component of PG&E's most recent general rate case.

Participation in Working Groups:

The majority of the expert and consultant time in this proceeding was devoted to participation in the working groups established pursuant to the Settlement Agreement adopted in D.14-12-024 and Commission directives. D.14-12-024 authorized two working groups: the Load Modifying Resource Demand Response Valuation Working Group ("Valuation Working Group") and the Demand Response Auction Mechanism ("DRAM") design working group. (See, D.14-12-024, Ordering Paragraphs 4.f and 6; See, also, D.15-11-042, pp. 5-7.).

The Commission has historically encouraged the use of working groups to resolve complex issues among multiple stakeholders, and has held that compensation for working group activities is appropriate, especially when the working groups are created pursuant to Commission direction. See, for example, D.15-07-019 (Granting compensation to TURN for activities in two working groups); D.97-02-047, mimeo. p. 2; D.96-08-040, 67 CPUC 2d 562, 568.

In this proceeding, Mr. Woodruff was TURN's primary subject matter expert on the capacity valuation subgroup, and Mr. Borden was the primary subject matter expert on the T&D valuation working group. Mr. Hawiger represented TURN as the attorney on both groups. Mr. Hawiger worked with the subject matter experts to advance TURN's positions in the working groups, and to present TURN's positions in relevant pleadings.

The working groups created in the Settlement Agreement started work by September of 2014, even prior to the issuance of D.14-12-024. TURN has actively participated in the working group process. TURN did not request

any hours for participation in the working groups in our first compensation request in this proceeding.

c. Allocation of Hours by Issue

This phase of the rulemaking addressed several policy issues related to the implementation of the Commission’s bifurcation policy for demand response. The primary issue, at least in terms of time spent in this proceeding, concerned the valuation of load modifying demand response resources, based on negotiations conducted through the Valuation Working Group. The Valuation Working Group consisted of several subgroups. TURN participated primarily in the Capacity Valuation subgroup and the T&D Valuation subgroup.

The other large policy issue concerned the design of the “demand response auction mechanism” procurement auction and the details of the standard DRAM contract for the first 2016 auction. TURN participated very actively in the DRAM Working Group addressing these issues.

Attorney and consultant time was allocated both by issue as well as activities. Certain work activities, such as participation in settlement negotiations (including settlement meetings, reviewing settlement documents, drafting settlement documents) cannot be allocated by issue due to confidentiality restrictions, and are thus codes as “settlement.” Some of the daily work in this proceeding spanned multiple issues and could not be separately coded by issue. TURN generally used the activity code “#” to denote work that covers multiple issues and cannot be easily allocated to specific issues. Some work is fundamental to active participation in a Commission proceeding, and may not be allocable by issue and/or the amount of time required may not vary by the number of issues. Examples of these tasks include reviewing other parties’ testimony and filings, reviewing the proposed and any alternate decision; attending prehearing conferences and ex parte meetings; and preparing compensation filings. TURN uses the activity code “GP” to represent such general participation time that is not allocable by issue.

TURN uses a combination of activity and issue codes when itemizing the hourly work performed by attorneys and consultants. The main activity codes used for time accounting in this proceeding include the following:

Code	Description of Issue	Consultant Hours	Attorney Hours
VWG	Participation in the Load Modifying Demand Response Working Group re. valuation of load modifying demand response for providing RA capacity value	111.00	49.00

TDWG	Valuation working group - subgroup addressing T&D deferral value of demand response	9.75	16.00	
DRAM	DRAM Working Group - Design of 2016 DRAM RFO	77.75	35.75	
GP	General work necessary for participation which does not necessarily vary with the number of issues	2.25	15.25	
#	Work covering multiple issues that cannot be easily segregated	0.50	8.25	
CE	Cost effectiveness methodology for DR	2.25	5.75	
BUG	Address various pleadings and provide comments concerning legal and policy issues on use of BUGs in DRAM and DR	0.50	2.00	
2017	Address guidance and program design issues for 2017 bridge year funding	0.00	21.75	
DRAM 2016	Analysis of IOU selection of bids; IOU advice letters for contract approvals	0.00	17.50	
Coord	Coordinate with other parties to discuss issues and minimize duplication	0.00	1.00	
TOTAL*		204.54	172.25	
<ul style="list-style-type: none"> Totals do not sum to complete hours due to limited number of hours spent on other issues/activities. 				
<p>Based on the detailed coding of attorney and consultant time, as well as a review of pleadings and the personal recollection of TURN's attorney, TURN provides the following approximate allocation of TURN's attorney and consultant time by issue area:</p>				

ISSUE	% of Attn. Time	% of Consultant Time
	Capacity Valuation	30%
T&D Valuation	10%	5%
DRAM Process and Contract	20%	40%
BUG Policy	3%	1%
2017 Programs and Budgets	15%	0%
DRAM 2016 Evaluation	10%	0%
Cost Effectiveness	7%	3%
Methodology		
Other	5%	1%

As TURN described in the opening section of this compensation request, our substantial contribution to the Commission's decision was of such magnitude and so wide ranging that it warrants an award of full compensation. However, should the Commission determine that a reduction is called for on any particular issue, it should determine the appropriate reduction to the hours that fall into that category and, if necessary, apply an appropriate percentage reduction to the hours designated "#."

B. Specific Claim:

CLAIMED						CPUC AWARD		
ATTORNEY, EXPERT, AND ADVOCATE FEES								
Item	Year	Hours	Rate	Basis for Rate*	Total \$	Hours	Rate	Total \$
Marcel Hawiger	2014	20.75	\$410	Res. ALJ-303 (2.56% COLA)	\$8,507.50			
Marcel Hawiger	2015	121.00	\$410	Res. ALJ-308 (0% COLA)	\$49,610.00			
Marcel Hawiger	2016	39.50	\$415	Res. ALJ-329 (1.28% COLA)	\$16,392.50			
Thomas Long	2014	0.25	\$570	D.15-06-021, p. 28.	\$142.50			
Thomas Long	2015	1.00	\$570	Res. ALJ-308 (0% COLA)	\$570.00			
Kevin Woodruff	2014	5.50	\$250	D.15-05-026, p. 8.	\$1,375.00			
Kevin Woodruff	2015	206.00	\$250	Res. ALJ-308 (0% COLA)	\$51,500.00			

Eric Borden	2015	22.00	\$180	D.16-05-015, Appendix.	\$3,960.00			
Subtotal:					\$132,057.50	Subtotal:		
OTHER FEES								
Describe here what OTHER HOURLY FEES you are Claiming (paralegal, travel **, etc.):								
Item	Year	Hours	Rate	Basis for Rate*	Total \$	Hours	Rate	Total \$
[Person 1]			\$					
[Person 2]								
Subtotal:						Subtotal:		
INTERVENOR COMPENSATION CLAIM PREPARATION **								
Item	Year	Hours	Rate	Basis for Rate*	Total \$	Hours	Rate	Total \$
Marcel Hawiger	2015	14.5	205	One-half of 2015 authorized rate; Res. ALJ-308 (0% COLA)	\$2,972.50			
Subtotal:					\$2,972.50	Subtotal:		
COSTS								
#	Item	Detail			Amount	Amount		
	Copying	Copying of testimony and pleadings for ALJ and Commissioner offices			\$7.60			
	FedEx/Postage	Postage and FedEx for testimonies and pleadings to CPUC			\$7.38			
	Travel	Airplane, hotel, car rental and other travel expenses related to consultant travel for working group meetings			\$1,064.27			
	Phone	Phone bills for long-distance call re. R13-09-011			\$13.13			
Subtotal:					\$1,092.38	Subtotal:		
TOTAL REQUEST \$:					\$136,122.38	TOTAL AWARD \$:		
<p>When entering items, type over bracketed text; add additional rows as necessary.</p> <p>*If hourly rate based on CPUC decision, provide decision number; otherwise, attach rationale.</p> <p>**Travel and Reasonable Claim preparation time typically compensated at ½ of preparer's normal hourly rate.</p>								

Attorney	Date Admitted to CA BAR ¹	Member Number	Actions Affecting Eligibility (Yes/No?) If "Yes", attach explanation
Marcel Hawiger	1/23/1998	194244	N
Thomas Long	12/11/1986	124776	N

C. Attachments Documenting Specific Claim and Comments on Part III (Claimant completes; attachments not attached to final Decision):

Attachment or Comment #	Description/Comment
Attach 1	Certificate of Service
Attach 2	Time Keeping: A daily listing of the specific tasks performed by all TURN attorneys, experts and consultants in connection with this phase of the proceeding is set forth in Attachment 2. TURN's attorneys maintained detailed contemporaneous time records indicating the number of hours devoted to work on this case. In preparing this appendix, Mr. Hawiger reviewed all of the recorded hours devoted to this proceeding and included only those that were reasonable for the underlying task.
Attach 3	A complete listing of direct expenses claimed in this proceeding is provided in Attachment 3.
Attach 4	Issue Allocation: A complete table of issue allocation for attorneys and consultants is provided in Attachment 4.
Comment 1	Hourly Rates: All hourly rates have either been previously authorized, or have been escalated by the appropriate COLA adjustment pursuant to adopted Commission resolutions.
Comment 2	Travel Time: TURN attorney Hawiger and TURN consultant Woodruff billed a total of 8 hours of travel time for travel related to working group meetings. This amount is discounted by more than 50% of the actual travel time. Mr. Woodruff billed only one hour per trip for each of his six trips from Sacramento to San Francisco. The actual round trip travel time was over three hours for each trip.

¹ This information may be obtained at: <http://www.calbar.ca.gov/>.

	Mr. Hawiger billed one-half of the one-way travel time from Oakland to Rosemead, reflecting approximately one-quarter of the total travel time.
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D. CPUC Disallowances, Adjustments, and Comments (CPUC completes):

#	Reason

PART IV: OPPOSITIONS AND COMMENTS

Within 30 days after service of this Claim, Commission Staff or any other party may file a response to the Claim (see § 1804(c))

(CPUC completes the remainder of this form)

A. Opposition: Did any party oppose the Claim?	
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If so:

Party	Reason for Opposition	CPUC Disposition

B. Comment Period: Was the 30-day comment period waived (see Rule 14.6(2)(6))?	
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If not:

Party	Comment	CPUC Disposition

FINDINGS OF FACT

1. Claimant [has/has not] made a substantial contribution to Decision (D.) _____.
2. The requested hourly rates for Claimant’s representatives [,as adjusted herein,] are comparable to market rates paid to experts and advocates having comparable training and experience and offering similar services.
3. The claimed costs and expenses [,as adjusted herein,] are reasonable and commensurate with the work performed.
4. The total of reasonable contribution is \$_____.

CONCLUSION OF LAW

1. The Claim, with any adjustment set forth above, [satisfies/fails to satisfy] all requirements of Public Utilities Code §§ 1801-1812.

ORDER

1. Claimant is awarded \$_____.

2. Within 30 days of the effective date of this decision, _____ shall pay Claimant the total award. [for multiple utilities: “Within 30 days of the effective date of this decision, ^, ^, and ^ shall pay Claimant their respective shares of the award, based on their California-jurisdictional [industry type, for example, electric] revenues for the ^ calendar year, to reflect the year in which the proceeding was primarily litigated.”] Payment of the award shall include interest at the rate earned on prime, three-month commercial paper as reported in Federal Reserve Statistical Release H.15, beginning _____, 200__, the 75th day after the filing of Claimant’s request, and continuing until full payment is made.
3. The comment period for today’s decision [is/is not] waived.
4. This decision is effective today.

Dated _____, at San Francisco, California.

Attachment 1

Certificate of Service

(Filed electronically as a separate document pursuant to Rule 1.13(b)(iii))

(Served electronically as a separate document pursuant to Rule 1.10(c))

Attachment 2

Attorney Time Sheet Detail

Date	Atty	Case	Task	Description	Time Spent
<u>Consultant: Eric Borden</u>					
2/3/15	EB	R13-09-011	TDWG	Read background reports E3 ""white paper on locational avoided cost""	1.75
2/3/15	EB	R13-09-011	TDWG	Read Nextant Report ""Integration of Load Management into Distribution Operations and Planning Needs Assessment""	1.50
2/6/15	EB	R13-09-011	VWG	Working group meeting, discuss and participate in short and long-term goals, principles of DR R.13-09-011	4.00
2/10/15	EB	R13-09-011	VWG	Read latest VWG language and proposal, CPUC DRP Document sent via email to group R.13-09-011	2.25
2/18/15	EB	R13-09-011	TDWG	In person attendance of all LM DR groups, attended T&D portion R.13-09-011	1.25
3/17/15	EB	R13-09-011	TDWG	Full group DR workshop, attended TD portion and ""orphans"" presentation at PGE Pacific Energy Center	2.00
3/27/15	EB	R13-09-011	TDWG	Meeting with Marcel (TURN) and Kevin (TURN) on the phone related to draft document	0.75
4/1/15	EB	R13-09-011	TDWG	Demand response T&D comments	1.25
4/7/15	EB	R13-09-011	GP	Ex-parte with Matthew Tisdale at CPUC with Marcel (TURN) and Kevin W. (TURN)	2.00
4/8/15	EB	R13-09-011	TDWG	Workshop meeting at PG&E	1.00
7/14/15	EB	R13-09-011	TDWG	Meet with Marcel H (TURN) re DR valuation working group report	0.25
7/14/15	EB	R13-09-011	CE	Review and analyze cost effectiveness protocols	1.00
9/28/15	EB	R13-09-011	PS	T-C technical advisory group (TAG) call, overview of LNBL DR Potential Study	2.00
12/3/15	EB	R13-09-011	SCE	Call with Mark Martinez (SCE) et al. and Marcel H (TURN) re changes to SCE's Summer Discount Program	1.00

Total: EB

Consultant: Kevin Woodruff

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 2
9/5/14	K Woodruff	R13-09-011	VWG	Listened to portion of Load Modifying Resource Valuation Working Group call; discussed with client	0.50
10/1/14	K Woodruff	R13-09-011	VWG	Monitored initial meeting of working group of Load Modifying Resources DR working group.	0.75
11/20/14	K Woodruff	R13-09-011	VWG	Listened and participated in portion of Load Modifying DR Working Group conference call.	3.50
12/1/14	K Woodruff	R13-09-011	VWG	Reviewed draft report for Generation Capacity subgroup of VWG Working Group; provided comments to PG&E (L.Tougas).	0.50
12/3/14	K Woodruff	R13-09-011	GP	Reviewed amendments to Proposed and Alternative Proposed Decisions.	0.25
1/8/15	K Woodruff	R13-09-011	VWG	Reviewed agenda and materials for Load Modifying DR Working Group meeting; discussed with client.	0.25
1/16/15	K Woodruff	R13-09-011	DRAM	Listened to portion of DRAM working group call; discussed DR working group tasks with client.	1.00
1/21/15	K Woodruff	R13-09-011	DRAM	Prepared for and participated in DRAM working group organizing call; reported to client.	1.50
1/22/15	K Woodruff	R13-09-011	DRAM	Reviewed materials from DRAM Working Group; discussed with client.	0.50
1/22/15	K Woodruff	R13-09-011	IWG	Reviewed materials regarding ""baselines"" and ""Default Load Adjustment"" from Integration Working Group; discussed with client.	1.00
1/22/15	K Woodruff	R13-09-011	VWG	Reviewed materials for Load Modifying WG, Generation Capacity Subgroup meeting.	0.50
1/23/15	K Woodruff	R13-09-011	VWG	Prepared for and attended LMR DR Generation Capacity subgroup meeting.	6.75
1/26/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group subgroup 1 call.	1.50
1/27/15	K Woodruff	R13-09-011	DRAM	Reviewed settlement and Commission decision regarding DRAM.	1.00
1/28/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group call.	2.25
2/2/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group subgroup 1&2 conference call; reported to client.	1.50

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 3
2/2/15	K Woodruff	R13-09-011	VWG	Participated in VWG Generation subgroup; reported to client.	5.00
2/4/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	1.50
2/5/15	K Woodruff	R13-09-011	DRAM	Discussed DRAM issues with client; began preparing data request regarding IOU bidding into CAISO energy market.	2.00
2/6/15	K Woodruff	R13-09-011	IWG	Reviewed information related to Integration Working Group (baselines & DLA); discussed differences in current DR products with CLECA (B.Barkovich); discussed case with client	3.50
2/9/15	K Woodruff	R13-09-011	IWG	Reviewed information related to Integration Working Group (Telemetry).	0.75
2/10/15	K Woodruff	R13-09-011	IWG	Prepared for and participated in Integration Working group.	7.25
2/10/15	K Woodruff	R13-09-011	Travel	Traveled to S.F. to participate in Integration Working Group meeting	1.00
2/11/15	K Woodruff	R13-09-011	DRAM	Prepared for and participated in DRAM working group conference call.	3.00
2/12/15	K Woodruff	R13-09-011	VWG	Discussed issues in case with client; participated in Load Modifying - Generation capacity subgroup call.	2.75
2/13/15	K Woodruff	R13-09-011	VWG	Reviewed documents regarding VWG working group issues; discussed issues with client.	1.75
2/17/15	K Woodruff	R13-09-011	DRAM	Prepared for and participated in working group conference regarding Demand Response Auction Mechanism.	8.25
2/18/15	K Woodruff	R13-09-011	VWG	Prepared for and participated in portions of working group conference on VWG resources.	6.00
2/18/15	K Woodruff	R13-09-011	Travel	Traveled to S.F. to participate in DRAM and VWG working group meetings	1.00
2/19/15	K Woodruff	R13-09-011	DRAM	Brief client regarding status of set-aside issue discussions in DRAM working group.	0.25
2/19/15	K Woodruff	R13-09-011	VWG	Reviewed additional comments on VWG generation capacity issues.	0.25
2/20/15	K Woodruff	R13-09-011	DRAM	Reviewed Energy Division direction on DRAM set-aside issues.	0.50
2/23/15	K Woodruff	R13-09-011	DRAM	Discussed DRAM set-aside issues with client.	0.75

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 4
2/24/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	2.00
2/25/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	2.00
2/26/15	K Woodruff	R13-09-011	DRAM	Discussed DRAM working group issues with client.	0.50
3/4/15	K Woodruff	R13-09-011	DRAM	Discussed working group issues with client; reviewed results of March 2 and 3 meetings of DRAM working group.	1.00
3/5/15	K Woodruff	R13-09-011	VWG	Reviewed materials to be reviewed at VWG Generation working group.	0.75
3/6/15	K Woodruff	R13-09-011	travel	Round trip to San Francisco for VWG working group meeting.	1.00
3/6/15	K Woodruff	R13-09-011	VWG	Reviewed additional materials to be reviewed at VWG Generation working group; participated in working group meeting; reported to client.	7.50
3/11/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	1.50
3/12/15	K Woodruff	R13-09-011	DRAM	Reviewed materials related to DRAM working group issues.	2.00
3/13/15	K Woodruff	R13-09-011	VWG	Reviewed materials related to VWG working group issues.	2.50
3/16/15	K Woodruff	R13-09-011	DRAM	Prepared for and participated in DRAM working group meeting.	5.50
3/16/15	K Woodruff	R13-09-011	VWG	Reviewed materials for VWG working group meeting.	0.50
3/17/15	K Woodruff	R13-09-011	travel	Round trip to San Francisco for VWG working group meeting.	1.00
3/17/15	K Woodruff	R13-09-011	VWG	Prepared for and participated in VWG working group meeting.	7.00
3/18/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	1.50
3/20/15	K Woodruff	R13-09-011	DRAM	Discussed DR working group meetings with client.	0.25
3/23/15	K Woodruff	R13-09-011	Travel	Round trip to San Francisco for DRAM working group meeting.	1.00
3/23/15	K Woodruff	R13-09-011	DRAM	Prepared for and attended DRAM working group meeting.	5.75
3/24/15	K Woodruff	R13-09-011	VWG	Discussed working group issues with client.	0.75

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 5
3/25/15	K Woodruff	R13-09-011	DRAM	Reviewed PG&E non-disclosure agreement; signed certificate.	0.25
3/26/15	K Woodruff	R13-09-011	VWG	Began reviewing draft VWG report.	1.25
3/27/15	K Woodruff	R13-09-011	DRAM	Began reviewing materials for DRAM conference call of 3/30.	0.50
3/27/15	K Woodruff	R13-09-011	VWG	Prepared comments on draft VWG report; sent to client for review.	2.75
3/30/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	1.50
3/30/15	K Woodruff	R13-09-011	VWG	Edited client's memo regarding VWG working group issues.	3.00
3/31/15	K Woodruff	R13-09-011	VWG	Completed and distributed memo to VWG working group regarding draft report.	0.50
4/1/15	K Woodruff	R13-09-011	DRAM / VWG	Participated in DRAM working group conference call; reviewed parties' comments on VWG working group draft report; communicated with client regarding responses to TURN comments on VWG working group issue.	2.50
4/2/15	K Woodruff	R13-09-011	DRAM / VWG	Discussed VWG comments with client; reviewed other parties' comments on VWG working group report; reviewed draft DRAM Advice Letter regarding set-aside and success metrics issues.	1.25
4/6/15	K Woodruff	R13-09-011	DRAM / VWG	Reviewed materials for 4/7 DRAM meeting and 4/8 VWG meeting; discussed with client.	0.25
4/7/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call; reported to client.	5.75
4/7/15	K Woodruff	R13-09-011	VWG	Discussed VWG working group comments with PG&E (L.Tougas).	1.00
4/8/15	K Woodruff	R13-09-011	VWG	Prepared for and participated in VWG working group meeting; discussed working group and DR issues with client.	7.25
4/8/15	K Woodruff	R13-09-011	Travel	Round trip to San Francisco for DRAM working group meeting.	1.00
4/13/15	K Woodruff	R13-09-011	DRAM	Prepared for and participated in DRAM working group call.	4.50
4/14/15	K Woodruff	R13-09-011	DRAM / VWG	Reviewed draft DRAM Advice Letter; commented to author (G.Sakota @ SCE); began reviewing VWG working group report.	1.75

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 6
4/15/15	K Woodruff	R13-09-011	DRAM	Continued reviewing DRAM advice letter; discussed possible comments with client.	2.00
4/16/15	K Woodruff	R13-09-011	VWG	Edited client's comments on VWG working group report; wrote additional comments on such report; discussed with client.	2.50
4/20/15	K Woodruff	R13-09-011	VWG	Participated in VWG working group meeting; prepared comments on text of ""Other"" working group text.	5.25
4/21/15	K Woodruff	R13-09-011	VWG	Participated in VWG working subgroup (Other) call; proposed TURN positions on key recommendations in Report.	2.00
4/22/15	K Woodruff	R13-09-011	DRAM / VWG	Participated in DRAM working group call; discussed TURN positions on VWG working group issues with client; sent matrix to VWG working group editors.	2.25
4/23/15	K Woodruff	R13-09-011	VWG	Reviewed parties' comments on VWG report.	0.25
4/27/15	K Woodruff	R13-09-011	DRAM	Participated in portion of DRAM working group call.	1.00
4/28/15	K Woodruff	R13-09-011	VWG	Reviewed final VWG working group report; provided edits regarding TURN's positions based on additional changes to report.	1.50
4/29/15	K Woodruff	R13-09-011	VWG	Reviewed PG&E's additional edits to final VWG report.	0.50
5/1/15	K Woodruff	R13-09-011	VWG	Reviewed final letter from VWG Working Group.	1.25
5/6/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group call.	1.50
5/12/15	K Woodruff	R13-09-011	VWG	Attended portion of VWG working group presentation.	1.50
5/13/15	K Woodruff	R13-09-011	#	Discussed DRAM and VWG working groups with client.	0.50
5/18/15	K Woodruff	R13-09-011	DRAM	Participated in portion of DRAM working group call; reported to client.	1.00
5/22/15	K Woodruff	R13-09-011	VWG	Participated in conference call regarding CEC data on hard triggers for VWG working group; reported to client.	1.75
5/25/15	K Woodruff	R13-09-011	VWG	Reviewed additional CEC-compiled data regarding hard triggers; discussed with CEC contractor.	0.50
5/26/15	K Woodruff	R13-09-011	VWG	Reviewed additional CEC-compiled data regarding hard triggers.	0.25

Date	1/26/2016 9:36 AM	Atty	Case	Task	Description Hours	Time Spent Page 7
5/27/15	K Woodruff	R13-09-011	VWG	Discussed CEC-compiled hard trigger data with clients.	0.75	
5/28/15	K Woodruff	R13-09-011	VWG	Commented on client note to VWG working group regarding hard trigger data.	0.25	
5/29/15	K Woodruff	R13-09-011	VWG	Replied to comments on client note on hard trigger data.	0.25	
6/1/15	K Woodruff	R13-09-011	VWG	Reviewed CAISO responses to TURN questions regarding interaction between peak and flexible DR needs.	0.25	
6/3/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group call; reported to client.	0.75	
6/9/15	K Woodruff	R13-09-011	VWG	Participated in conference call regarding analysis of data regarding ""hard triggers"".	1.50	
6/10/15	K Woodruff	R13-09-011	DRAM	Participated in conference call regarding DRAM; reported to client.	0.25	
6/12/15	K Woodruff	R13-09-011	VWG	Participated in conference call regarding analysis of data regarding ""hard triggers"".	0.25	
6/22/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group call.	1.75	
7/8/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	0.75	
7/9/15	K Woodruff	R13-09-011	CE	Began reviewing ALJ Ruling and Cost-Effectiveness Protocol.	0.25	
7/10/15	K Woodruff	R13-09-011	CE	Continued review ALJ Ruling and CEP; discussed potential comments with client.	1.00	
7/13/15	K Woodruff	R13-09-011	VWG	Began preparing comments on VWG working group report regarding hard triggers.	1.25	
7/14/15	K Woodruff	R13-09-011	VWG	Completed draft comments on VWG working group report; sent to client.	1.75	
7/15/15	K Woodruff	R13-09-011	VWG	Reviewed additional data regarding hard triggers; discussed with CEC (P.McAulliffe); provided to client.	2.50	
7/17/15	K Woodruff	R13-09-011	VWG	Reviewed client's comments on hard triggers; provided comments.	1.25	
7/20/15	K Woodruff	R13-09-011	VWG	Discussed hard triggers with client.	0.25	
8/5/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM working group conference call.	1.50	

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 8
8/6/15	K Woodruff	R13-09-011	VWG	Began reviewing parties' comments on VWG working group report; provided data regarding TURN comments to PG&E (N.Oreizy).	0.50
8/10/15	K Woodruff	R13-09-011	VWG	Communicated with CAISO (J.Goodin) and CEC (M.Cerruti) regarding hard trigger data.	1.75
8/13/15	K Woodruff	R13-09-011	VWG	Reviewed data from CEC (M.Cerruti) regarding hard trigger probabilities.	1.00
8/14/15	K Woodruff	R13-09-011	VWG	Continued reviewing data from CEC (M.Cerruti) regarding hard trigger data; prepared reply comments.	2.50
8/17/15	K Woodruff	R13-09-011	VWG	Revised parties' reply comments on hard trigger issues.	0.50
8/19/15	K Woodruff	R13-09-011	DRAM	Reviewed materials from DRAM working group call; communicated with working group chair (G.Sakota/SCE) regarding next in-person meeting agenda.	0.50
9/9/15	K Woodruff	R13-09-011	DRAM	Reviewed product definitions for flexible and local RA for DRAM working group; communicated with client.	0.75
9/10/15	K Woodruff	R13-09-011	DRAM	Commented on product definitions for flexible and local RA to DRAM working group.	0.25
9/11/15	K Woodruff	R13-09-011	VWG	Discussed VWG working group issues with client; reviewed and commented on SCE's reply comments.	0.50
9/17/15	K Woodruff	R13-09-011	DRAM	Reviewed product definitions and new contract language for DRAM II auction; communicated with client.	0.25
9/21/15	K Woodruff	R13-09-011	DRAM	Reviewed DRP mark-up of utility DR contract for DRAM II.	0.25
9/29/15	K Woodruff	R13-09-011	DRAM	Reviewed revised contract and related bid materials regarding DRAM II.	0.75
9/30/15	K Woodruff	R13-09-011	DRAM	Reviewed materials related to DRAM working group call.	1.00
10/2/15	K Woodruff	R13-09-011	DRAM	Reviewed materials from DRAM working group.	0.25
10/6/15	K Woodruff	R13-09-011	DRAM	Participated in DRAM RFO bidders' conference/webinar; reported to client.	2.25
10/7/15	K Woodruff	R13-09-011	DRAM	Reviewed materials from DRAM working group.	0.50

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 9
10/12/15	K Woodruff	R13-09-011	BUG	Reviewed supporting documentation to ED report on BUG.	0.25
10/15/15	K Woodruff	R13-09-011	BUG	Reviewed client's draft joint comments on BUG issues.	0.25
10/19/15	K Woodruff	R13-09-011	VWG	Began reviewing Proposed Decision and Alternate PD; reported to client.	1.50
11/6/15	K Woodruff	R13-09-011	VWG	Reviewed and outlined parties' comments on Proposed Decision and Alternate PD.	3.00
11/7/15	K Woodruff	R13-09-011	VWG	Continued reviewing and outlining parties' comments on PD and APD.	0.50
11/9/15	K Woodruff	R13-09-011	VWG	Continued reviewing and outlining parties' comments on PD and APD; reviewed potential reply comments with client.	2.00
11/13/15	K Woodruff	R13-09-011	DRAM	Discussed DRAM auction with client.	0.50
11/18/15	K Woodruff	R13-09-011	VWG	Reviewed revisions to Proposed Decision and Alternate PD.	0.25

Total: K Woodruff

Attorney: Marcel Hawiger

9/5/14	MH	R13-09-011	VWG	I/P Mtg of VWG valuation group	4.50
9/22/14	MH	R13-09-011	TDWG	TC mtg of LMR Valuation T&D subgroup - attend first half of mtg re issues and workplan	1.00
9/24/14	MH	R13-09-011	VWG	Participate via t/c in LMR Valuation - Other Values subgroup meeting	2.00
9/26/14	MH	R13-09-011	TDWG	Send email to LMR Valuation-T&D working group re coord with R.14-08-013	0.25
10/6/14	MH	R13-09-011	TDWG	TC mtg of LMR T&D Subgroup re workplan and proposed questionnaire for IOU distribution engineers	1.50
10/15/14	MH	R13-09-011	TDWG	Provide detailed comments on draft T&D valuation survey	0.75
10/16/14	MH	R13-09-011	TDWG	Read emails re T&D Valuation group; emails re 'other value' group	0.25
10/29/14	MH	R13-09-011	IWG	Attend i/p mtg of SR Integration Working Group	3.00
10/30/14	MH	R13-09-011	VWG	Read proposed work plan for LMR Capacity working group	0.25

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 10
11/4/14	MH	R13-09-011	VWG	Read various emails re VWG Valuation working groups (T&D, Other values) schedules and processes	0.25
11/4/14	MH	R13-09-011	TDWG	Read emails re LMR T&D Valuation work plan	0.25
11/20/14	MH	R13-09-011	VWG	Participate by phone on valuation WG mtg (bill only 1/4 time due to other tasks)	1.00
12/1/14	MH	R13-09-011	GP	Read CLECA's notes re mtg w/ Tisdale	0.25
12/1/14	MH	R13-09-011	VWG	Read Kevin's notes re GC Subgroup Task 1 draft report	0.25
12/3/14	MH	R13-09-011	GP	Skim revised PD and revised APD	0.50
12/10/14	MH	R13-09-011	GP	Read ordering paragraphs of D.14-12-024	0.25
12/15/14	MH	R13-09-011	GP	Read portion of D.14-12-024	0.75
12/15/14	MH	R13-09-011	TDWG	TC mtg of LMR Valuation - T&D Subgroup - to discuss process (internal v. consultants) for producing work product	1.75
12/16/14	MH	R13-09-011	GP	Continue reading D.14-12-024 section 4 re issue areas	0.50
12/18/14	MH	R13-09-011	Coord	TC meeting with settling parties re compliance letter response	1.00
12/19/14	MH	R13-09-011	GP	Close read of OP of D.14-12-024	0.50
1/5/15	MH	R13-09-011	tdWG	Emails re T&D LMR Valuation subgroup mtg	0.25
1/6/15	MH	R13-09-011	vWG	Attend I/P mtg of T&D Valuation working group in Rosemead	5.00
1/6/15	MH	R13-09-011	travel	Travel time Berkeley to Rosemead (bill 1/2 time)	2.00
1/7/15	MH	R13-09-011	gp	Review emails re PHC; outline from mtg of settling parties	0.25
1/8/15	MH	R13-09-011	VWG	Read agenda for Valuation mtg on 1/9; read notes from prior meetings; read ALJ Ruling in RA re. DR RA valuation	0.50
1/14/15	MH	R13-09-011	VWG	Read various emails re valuation group mtg of 1/9; PHC meeting; next steps for working groups	0.25
1/15/15	MH	R13-09-011	tdWG	Read emails re T&D valuation responses concerning dispatchability requirements	0.25
1/16/15	MH	R13-09-011	DRAM	Review DRAM materials in settlement and D.14-12-024	0.25
1/16/15	MH	R13-09-011	DRAM	TC mtg of DRAM working group - first mtg to outline issues and process	1.00

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 11
1/16/15	MH	R13-09-011	vwg	TC mtg w/ Kevin to discuss next steps for working groups	0.25
1/20/15	MH	R13-09-011	GP	Read portion of final D.14-12-024	0.50
1/20/15	MH	R13-09-011	vwg	CAISO integration WG - read emails re baseline proposal	0.25
1/21/15	MH	R13-09-011	GP	Finish reading final D.14-12-024	1.50
1/21/15	MH	R13-09-011	IWG	Read integration WG proposal re. SLAP eiligibility	0.50
1/22/15	MH	R13-09-011	#	TC w/ Kevin to discuss issues re integration and DLA; baseline; DRAM;; Read emails re DRAM working group	0.50
1/23/15	MH	R13-09-011	TDWG	Read proposal re LM T&D Valuation; review materials from R.14-08-013; write response to T&D Valuation group	1.25
1/26/15	MH	R13-09-011	DRAM	TC mtg of DRAM WG re product definition	1.00
1/26/15	MH	R13-09-011	DRAM	Read various emails discussing WG schedules and meetings; DRAM WG structure; respond to scheduling coord questions	0.25
1/26/15	MH	R13-09-011	TDWG	TC mtg of LMR Valuation T&D working group re proposal for methods; relationship to DRP; value inputs	2.00
1/30/15	MH	R13-09-011	TDWG	Read revised draft proposal for T&D Valuation; review consultant (E3) report	0.50
2/2/15	MH	R13-09-011	TDWG	Meeting w/ Eric Borden to discuss issues re T&D valuation	0.50
2/2/15	MH	R13-09-011	TDWG	Read Nexant report re distribution value of DER and PG&E grid operations	0.50
2/3/15	MH	R13-09-011	TDWG	Mtg w/ Eric B. to discuss T&D valuation subgroup	0.50
2/4/15	MH	R13-09-011	DRAM	Read emails re DRAM set-aside proposal; DRAM working groups	0.25
2/5/15	MH	R13-09-011	TDWG	Finish reading Nexant report on use of DR for distribution DSM	0.50
2/5/15	MH	R13-09-011	TDWG	Mtg w/ Eric to discuss T&D valuation	0.25
2/5/15	MH	R13-09-011	#	Mtg w/ Kevin and Eric to discuss prior VWG valuation meetings (both gen capacity and DRAM); proposals for DRAM set-aside	0.75
2/6/15	MH	R13-09-011	TDWG	Attend i/p VWG Valuation T&D working group (attend only morning of full day mtg)	2.00

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 12
2/6/15	MH	R13-09-011	VWG	Emails with Kevin re strategy for WG mtg	0.25
2/9/15	MH	R13-09-011	TDWG	Read WG emails re T&D revised proposal	0.25
2/10/15	MH	R13-09-011	VWG	Review DR re bidding into CAISO in 2014	0.25
2/11/15	MH	R13-09-011	DRAM	Read emails re DRAM WG mtg.	0.25
2/12/15	MH	R13-09-011	#	T/C mtg w/ Kevin re Working groups (DRAM; GC valuation)	1.25
2/13/15	MH	R13-09-011	DRAM	Read IOU set-aside proposals	0.50
2/13/15	MH	R13-09-011	VWG	Read various emails concerning VWG GC valuation working groups; write detailed response to CAISO re VWG Gen Capacity valuation; emails w/ Goodin	1.25
2/13/15	MH	R13-09-011	#	TC mtg w/ Kevin to discuss issues for next week DRAM WG mtg; valuation WG mtg	1.00
2/17/15	MH	R13-09-011	DRAM	Participate via TC to full DRAM WG mtg	1.00
2/18/15	MH	R13-09-011	#	TC mtg w/ Kevin re DRAM and VWG GenC valuation	0.50
2/20/15	MH	R13-09-011	DRAM	Read emails re set-aside proposals	0.25
2/23/15	MH	R13-09-011	DRAM	TC mtg w/ Kevin; write email to parties in response to Rachel M (ED) email re set- aside proposal	0.75
2/26/15	MH	R13-09-011	DRAM	TC mtg w/ EnergyHub to discuss res participation in DRAM	0.25
2/26/15	MH	R13-09-011	DRAM	TC w/ Kevin to discuss DRAM WG meetings	0.25
2/26/15	MH	R13-09-011	DRAM	Email exchange re IOU providing SC services for DRAM	0.25
2/26/15	MH	R13-09-011	VWG	TC mtg of ""other"" valuation group - discuss Eric's covariance analysis; secondary benefits	1.00
2/26/15	MH	R13-09-011	TDWG	Attend webinar re NTAs, including presentation by ConEd re. their DSM alternatives to distribution (charge only this portion)	0.75
2/27/15	MH	R13-09-011	GP	Read ORA protest to SCE AL 3037-E-A	0.50
2/27/15	MH	R13-09-011	VWG	Read email chain between SCE and CAISO re reconstituting DR load and bifurcation v. trifurcation for purposes of GenC value	0.25
2/27/15	MH	R13-09-011	TDWG	Read Eric W paper re option value analysis (WG 'other')	0.25
3/2/15	MH	R13-09-011	DRAM	Attend i/p public DRAM mtg	4.50

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 13
3/2/15	MH	R13-09-011	TDWG	Mtg w/ Eric W to discuss options valuation	0.25
3/2/15	MH	R13-09-011	VWG	Mtg w/ J. Goodin (CAISO) to discuss VWG GC valuation	0.50
3/3/15	MH	R13-09-011	DRAM	Mtg w/ Eric W and Erica Diamond to discuss res customer participation in DRAM (bill only 1/2 of lunch hour mtg)	0.50
3/3/15	MH	R13-09-011	DRAM	Attend i/p DRAM WG mtg re contracts; oversight; etc.	5.00
3/9/15	MH	R13-09-011	BUG	Review protests of AL 4582 by SC and by JDRP	0.50
3/9/15	MH	R13-09-011	DRAM	TC mtg of DRAM WG - finalize comments on open items re testing; BUG; SC selection; success metrics	2.00
3/9/15	MH	R13-09-011	VWG	Read emails re VWG Gen C working group and local capacity	0.25
3/11/15	MH	R13-09-011	DRAM	TC mtg of DRAM WG	1.50
3/12/15	MH	R13-09-011	DRAM	TC mtg w/ Kevin to discuss DRAM WG issues	0.50
3/17/15	MH	R13-09-011	VWG	Participate by TC in full LM Valuation WG mtg (bill only portion of time)	1.00
3/17/15	MH	R13-09-011	TDWG	Mtg w/ Eric re T&D valuation WG issues	0.25
3/17/15	MH	R13-09-011	#	Mtg w/ Kevin re DRAM and LM GC Val working group issues	0.50
3/20/15	MH	R13-09-011	VWG	Mtg w/ Kevin to discuss state of VWG GC valuation WG	0.25
3/20/15	MH	R13-09-011	VWG	Review emails from ken and John re proposals for VWG GC valuation	0.25
3/24/15	MH	R13-09-011	#	TC mtg w/ Kevin W to discuss DRAM and VWG GC valuation WG issues	0.75
3/25/15	MH	R13-09-011	VWG	Skim PG&E response to DR re bids of DR into CAISO market	0.25
3/25/15	MH	R13-09-011	DRAM	Review DRAM set-aside proposals; TC w/ Dave Barker re SDG&E proposal	0.50
3/26/15	MH	R13-09-011	VWG	Skim VWG Valuation Report	0.50
3/27/15	MH	R13-09-011	GP	Read D. 15-02-007	0.25
3/27/15	MH	R13-09-011	VWG	Write email to Kevin with suggestion re VWG GC valuation	0.25
3/27/15	MH	R13-09-011	#	Mtg w/ Eric and Kevin to discuss VWG Valuation report; edit Eric and Kevin's comments on valuation report	1.25
4/6/15	MH	R13-09-011	DRAM	Review draft DRAM AL; Review emails from Kevin re DRAM	1.00

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 14
4/6/15	MH	R13-09-011	VWG	Review emails re valuation (gen T&D)	0.25
4/6/15	MH	R13-09-011	#	Review emails re. DRAM and VWG	0.25
4/7/15	MH	R13-09-011	GP	Ex parte with Tisdale re OIR and demand response	2.00
4/7/15	MH	R13-09-011	GP	Prep for ex parte with Tisdale	0.50
4/8/15	MH	R13-09-011	VWG	In person mtg of VWG valuation WG to discuss draft final report; review portions of the VWG Valuation Report	4.50
4/15/15	MH	R13-09-011	VWG	Write TURN comments re GC valuation recommendations re hard trigger	1.25
4/15/15	MH	R13-09-011	VWG	Close read of draft LMR DR Valuation report	3.00
4/15/15	MH	R13-09-011	VWG	TC mtg w/ Kevin to discuss GC valuation section of LMR DR Report	1.00
4/16/15	MH	R13-09-011	VWG	Write comments on LMR DR Draft valuation report; emails with Kevin re recommendations on GC hard triggers	2.50
4/20/15	MH	R13-09-011	VWG	T/c participate in portion of LMR DR Valuation WG mtg (re. GC capacity)	0.75
4/22/15	MH	R13-09-011	VWG	Review kevin's input into position matrix; TC w/ Kevin to finalize TURN positions in position matrix	0.75
5/6/15	MH	R13-09-011	DRAM	TC mtg re DRAM (attend portion of mtg)	1.00
5/11/15	MH	R13-09-011	VWG	Listen to portion of DRMEC mtg re LI reports (charge only 1/3 of time)	1.00
5/12/15	MH	R13-09-011	VWG	All-party workshop on VWG Valuation Report (participate by t/c)	2.50
5/13/15	MH	R13-09-011	DRAM	Skim protests of Sierra Club; SQMD; CLECA; Close read of protest of Jt Parties	0.75
5/13/15	MH	R13-09-011	PS	TC listen to potential study workshop (bill only 1/2 time)	2.00
5/15/15	MH	R13-09-011	DRAM	Close read of ORA protest to DRAM AL	0.50
5/18/15	MH	R13-09-011	DRAM	Participate t/c for portion of DRAM WG mtg (all-day mtg) re set-asides and program switching	0.75
5/18/15	MH	R13-09-011	DRAM	Read DRAM AL of April 20, 2015	0.75
5/20/15	MH	R13-09-011	VWG	Review CAISO tariffs re MOO for PDR	0.25
5/21/15	MH	R13-09-011	DRAM	Read IOU response to DRAM protests	0.50
5/22/15	MH	R13-09-011	VWG	Participate by t/c for portion of hard trigger WG call	0.75
5/26/15	MH	R13-09-011	DRAM	Read IOU reply to AL protests	0.75

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 15
5/27/15	MH	R13-09-011	VWG	Mtg w/ Kevin to discuss hard trigger study and results of CEC spreadsheet analysis	0.75
6/3/15	MH	R13-09-011	IWG	Review presentation from integration working group workshop; read emails re draft integration working group report	0.50
6/9/15	MH	R13-09-011	VWG	Participate t/c hard trigger WG; discussion of TURN issue re load v. net load trigger	1.50
6/9/15	MH	R13-09-011	VWG	Review data from McAuliffe (CEC) and Goodin (CAISO) re impacts of load v net load triggers	0.50
6/15/15	MH	R13-09-011	VWG	TC w/ ED (Dorris chow) re hard trigger study and proposals	0.25
6/19/15	MH	R13-09-011	DRAM	Review portion of DRAM draft resolution	0.50
6/23/15	MH	R13-09-011	DRAM	TC w/ kevin to discuss yesterday's in-person DRAM mtg	0.25
6/23/15	MH	R13-09-011	GP	Read ALJ Ruling of 6/19 re CE and valuation WG report	0.50
6/24/15	MH	R13-09-011	DRAM	Read portion of draft Res. E-4728 re DRAM	0.50
7/7/15	MH	R13-09-011	DRAM	Read party emails re DRAM	0.25
7/8/15	MH	R13-09-011	CE	Read ED email re CE questions	0.25
7/10/15	MH	R13-09-011	VWG	TC mtg w/ Kevin re comments on hard trigger proposal	0.50
7/13/15	MH	R13-09-011	DRAM	Write comments on Draft Res. E-4728 re DRAM 2016 pilot (Read resolution; read IOU response to protests; read ORA protest; write comments)	2.50
7/14/15	MH	R13-09-011	CE	Mtg w/ Eric to discuss comments on CE protocols	0.75
7/15/15	MH	R13-09-011	VWG	Review Kevin's write up on hard triggers; review Kevin's data and analysis re HT; write comments on HT proposal with recommendations for new HT	2.50
7/17/15	MH	R13-09-011	VWG	Write TURN comments on HT proposal; develop new TURN proposal	0.75
7/20/15	MH	R13-09-011	VWG	TC w/ Kevin re Hard trigger analysis (.25); continue writing comments on HT	0.75
7/21/15	MH	R13-09-011	#	Complete comments on CE and HT	0.75
7/21/15	MH	R13-09-011	DRAM	Read revisions to DRAM Draft Res. E-4728	0.25

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 16
8/24/15	MH	R13-09-011	#	Read portions of reply comments on CE protocols and HT of SDG&E, PG&E, ORA, SCE	0.75
8/24/15	MH	R13-09-011	DRAM	Read emails re next in-person DRAM mtg agenda; tc w/ Kevin to discuss TURN participation	0.50
8/24/15	MH	R13-09-011	VWG	Read emails re. TURN's HT analysis numbers and calculations and re. reply comments on HT analysis	1.25
8/25/15	MH	R13-09-011	2017	Research on TA/TI for comments on 2017 bridge program	1.50
8/25/15	MH	R13-09-011	DRAM	Listen by t/c to DRAM mtg w/ DRAM 2; product definitions	1.00
8/26/15	MH	R13-09-011	2017	Write comments in response to Ruling re 2017 bridge funding and programs	2.50
9/1/15	MH	R13-09-011	DRAM	Read multiple emails re DRAM meetings from Aug (was gone on vacation) (bill only 25% of time)	0.25
9/9/15	MH	R13-09-011	DRAM	Write internal email to Kevin re. product defn and valuation	0.25
9/9/15	MH	R13-09-011	DRAM	P/C mtg of DRAM working group to discuss product defn and terms for DRAM 2017	1.25
9/11/15	MH	R13-09-011	DRAM	Mtg w/ Kevin to discuss DRAM issues from WG for DRAM 2	0.50
9/23/15	MH	R13-09-011	PS	Write internal email re participation in Poential Study TAG	0.25
9/28/15	MH	R13-09-011	PS	TC participate in demand response TAG mtg w/ LBNL and stakeholders	1.75
10/2/15	MH	R13-09-011	BUG	Read ALJ Ruling of 9/29/15 re BUG; read portion of staff proposal	0.50
10/15/15	MH	R13-09-011	BUG	Read and edit draft comments from NRDC	0.50
10/15/15	MH	R13-09-011	BUG	Read portion of opening comments of JDRP, Nest	0.50
10/21/15	MH	R13-09-011	DRAM	Mtg w/ Eric and OhmConnect to discuss third party participation (Rule 24 issues; DRAM issues)	1.00
11/6/15	MH	R13-09-011	GP	Read portions of APD re valuation and CE	0.75
11/6/15	MH	R13-09-011	GP	Read comments on PD/APD of CLECA, CAISO, EDF	0.75
11/9/15	MH	R13-09-011	GP	Review Kevin's edits to PD reply comments; evaluate LTPP spreadsheet	0.25

Date	1/26/2016 9:36 AM	Atty	Case	Task	Description Hours	Time Spent Page 17
12/1/15	MH		R13-09-011	GP	Listen to Florio webcast presentation re PD from Nov. 5 voting meeting	0.75
12/3/15	MH		R13-09-011	GP	TC mtg w/ SCE re proposed changes to SDP program (1); read slide deck re proposed changes (.25); read slide deck re proposed changes to PTR (.25)	1.50
12/7/15	MH		R13-09-011	GP	Read ALJ Ruling from 12/4 re Jan. workshops	0.25
12/9/15	MH		R13-09-011	DRAM 2016	Review all 3 IOU DRAM short lists for valuation; TC mtg w/ Kevin to discuss relative supply curves and selection criteria	1.50
12/11/15	MH		R13-09-011	GP	Read SCE AL re proposed changes to PTR	0.50
12/14/15	MH		R13-09-011	CE	Attend by T/c portion of f-factor working group meeting	0.75
1/12/16	MH		R13-09-011	2017	attend i/p workshop on 2015 program results and next steps for 2016-17 DR Programs	5.00
1/25/16	MH		R13-09-011	DRAM 2016	Read AL from all IOUs re DRAM 2016 contracts	1.00
1/26/16	MH		R13-09-011	DRAM 2016	Review all 3 DRAM advice letters from 1/8/16; analyze confidential bid supply curves; write response to advice letters	2.50
1/27/16	MH		R13-09-011	DRAM 2016	Finalize response to all 3 AL re DRAM-1; read IE reports in AL	2.50
1/28/16	MH		R13-09-011	DRAM 2016	Revise response to only PG&E and SCE advice letters; review confidential advice letters provided yesterday and today by PG&E and SDG&E	4.75
1/29/16	MH		R13-09-011	DRAM 2016	Read ORA response to PG&E AL	0.25
2/5/16	MH		R13-09-011	DRAM 2016	Read ORA protest to SDG&E AL	0.25
2/8/16	MH		R13-09-011	DRAM 2016	Write protest to SDG&E DRAM-1 AL (evaluate supply curves; reread Resolutions; write protest)	1.50
2/10/16	MH		R13-09-011	CE	Review emails re F factor and premium for flexible RA capacity	0.50
2/10/16	MH		R13-09-011	gp	Detailed Read D.15-11-042	1.75
2/10/16	MH		R13-09-011	CE	Read email discussion re F Factor analysis; write internal memo to Kevin; respond to ED	0.50
2/16/16	MH		R13-09-011	DRAM 2016	Continue writing protest to SDG&E DRAM-1 AL	0.75
2/19/16	MH		R13-09-011	CE	Attend i/p DR c/e workshop re A factor; F factor	3.00
2/19/16	MH		R13-09-011	DRAM 2016	finalize protest to SDG&E AL on DRAM -1	1.75
2/22/16	MH		R13-09-011	DRAM 2016	Incorporate Kevin's edits and finalize protest to SDG&E DRAM-1 AL	0.75

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent Page 18
2/25/16	MH	R13-09-011	2017	Review PG&E 2017 program application	0.75
2/29/16	MH	R13-09-011	2017	write comments on PG&E and SCE 2017 programs	1.50
3/1/16	MH	R13-09-011	2017	Research CALMAC reports re ACC (.5); read Proposals of all IOUs; write comments re BIP; AutoDR; External Programs; SCE SDP)	5.50
3/2/16	MH	R13-09-011	2017	Finalize comments on 2017 programs (BIP; AutoDR; SDG&E Summer Saver)	1.50
3/3/16	MH	R13-09-011	2017	Read comments of CLECA; ORA	0.50
3/16/16	MH	R13-09-011	2017	Read ALJ ruling requesting additional info on 2017 proposals	0.25
4/4/16	MH	R13-09-011	2017	Read responses to ALJ Ruling re Aliso Canyon of Sierra Club, ORA	0.25
4/12/16	MH	R13-09-011	2017	Read portions of reply comments re enhancements to address Aliso Canyon of CAISO, ORA, CESA, CLECA, Nest	0.50
10-May	MH	R13-09-011	2017	Read portions of PD re 2017 programs and budgets	0.5
5/23/16	MH	R13-09-011	2017	Read PD on 2017 programs	0.75
5/23/16	MH	R13-09-011	2017	Write comments on PD re SDG&E BIP tariff	0.75

Total: MH

Attorney: Thomas Long

12/19/14	TL	R13-09-011	Sett	Discuss w/MH procedural issues re settlement	0.25
8/10/15	TL	R13-09-011	VWG	Advise Haley re preparing and filing Amended comments w/omitted tables	0.25
8/13/15	TL	R13-09-011	VWG	Discuss w/KW updating data re hard triggers in reply cmts	0.25
8/14/15	TL	R13-09-011	VWG	Edit KW reply cmts re hard triggers	0.50

Total: TL

Grand Total

416.00

COMPENSATION RELATED

2/5/16	MH	R13-09-011	Comp	Start preparing comp claim 2. review hours. Review decisions. Start drafting cc.	2.00
2/11/16	MH	R13-09-011	Comp	Code attn and expert hours for CC-2	0.75
2/22/16	MH	R13-09-011	Comp	Continue comp request #2 (substantial contrib; other sections)	0.75

Date	1/26/2016 Atty 9:36 AM	Case	Task	Description Hours	Time Spent
7/21/16	MH	R13-09-011	Comp	Prepare comp request #2 for work leading up to D.16-06-029 (write sub contrib and other sections; prepare hour tables)	3.00
7/28/16	MH	R13-09-011	Comp	Write comp request #2 - substantial contribution	2.00
8/1/16	MH	R13-09-011	Comp	Write comp request #2 - substantial contribution	1.00
8/4/16	MH	R13-09-011	Comp	Write comp request #2 - hourly rates and reasonableness; other sections; hours and issue allocation	3.00
8/5/16	MH	R13-09-011	Comp	Finalize all sections of comp request (hours tables; justifications; notes; etc.)	2.00
					14.50

Attachment 3

Expense Detail

Activity: Travel Expenses

1/6/15	MH	R13-09-011	\$Atty Travel	Taxi Cab fare for January 6, 2015 trip to Rosemead for T&D Valuation WG	\$58.28
1/6/15	MH	R13-09-011	\$Atty Travel	Car Rental for January 6, 2015 trip to Rosemead for T&D Valuation WG	\$69.91
1/6/15	MH	R13-09-011	\$Atty Travel	Airplane Tickets for January 6, 2015 Trip to Rosemead for Meeting of T&D Valuation working group	\$346.20
2/9/15	K Woodruff	R13-09-011	\$Cons Travel	Round trip by train / shuttle to S.F. for VWG	\$39.00
2/9/15	K Woodruff	R13-09-011	\$Auto/Park/Toll	Parking at Sacramento Amtrak station	\$20.00
2/10/15	K Woodruff	R13-09-011	\$Lodging	Lodging in S.F. (inc. breakfast)	\$248.04
2/17/15	K Woodruff	R13-09-011	\$Cons Travel	Round trip by train / shuttle to S.F. for DRAM WG	\$39.00
2/17/15	K Woodruff	R13-09-011	\$Auto/Park/Toll	Parking at Sacramento Amtrak station	\$10.00
2/18/15	K Woodruff	R13-09-011	\$Lodging	Hotel in S.F.	\$184.84
3/23/15	K Woodruff	R13-09-011	\$Cons Travel	Round trip by train / shuttle to S.F. for DRAM WG	\$39.00
3/23/15	K Woodruff	R13-09-011	\$Auto/Park/Toll	Parking at Sacramento Amtrak station	\$10.00

Total: Travel

\$1,064.27

Activity: \$Copies

4/13/15	HDG	R13-09-011	\$Copies	Copy of NOI Communication To Send To ALJ	\$0.20
4/14/15	HDG	R13-09-011	\$Copies	Copy Of Intervenor Compensation Claim Of TURN To Mail To ALJ	\$4.30
4/21/15	**	R13-09-011	\$Copies	TURN Office Copies & Scans associated with R.13-09-011 for the period January 26, 2015 to April 21, 2015 (scans: 1)	\$0.10
7/31/15	HDG	R13-09-011	\$Copies	Copy of Comments of TURN Concerning Cost-Effectiveness Protocols and the Valuation Working Group Report to send to the ALJ - 13 pages at \$0.10 per page	\$1.30
8/14/15	HDG	R13-09-011	\$Copies	Copy Of Reply Comments Of TURN Concerning Cost Effectiveness Protocols and the Valuation Working Group Report to send to the ALJ - 6 pages at \$0.10 per page	\$0.60
8/26/15	HDG	R13-09-011	\$Copies	Copy of Opening Comments of The City and County of San Francisco On The Proposed Revisions To General Order 66-C to send to ALJ - 7 Pages at \$0.10 per page	\$0.70

Date	1/26/2016 Atty 9:35 AM	Case	Task Expenses.-	Description Select Activitiy	Amount
					Page 2
10/19/15	HDG	R13-09-011	\$Copies	Copy Of Reply Comments Of The Utility Reform Network On Staff Proposal Regarding The Use Of Fossil-Fueled Back-Up Generation In Demand Response To Mail To ALJ	\$0.40
Total: \$Copies					\$7.60
<u>Activity: \$Phone</u>					
3/31/15	**	R13-09-011	\$Phone	3/31/2015 Phone Bill	\$5.65
4/30/15	**	R13-09-011	\$Phone	4/30/2015 Phone Bill	\$3.80
5/31/15	**	R13-09-011	\$Phone	5/31/2015 Phone Bill	\$0.06
7/31/15	**	R13-09-011	\$Phone	7/31/2015 Phone Bill	\$1.40
8/31/15	**	R13-09-011	\$Phone	8/31/2015 Phone Bill	\$0.06
11/30/15	**	R13-09-011	\$Phone	11/30/2015 Phone Bill	\$2.16
Total: \$Phone					\$13.13
<u>Activity: \$Postage</u>					
4/14/15	HDG	R13-09-011	\$Postage	Postage To Mail Intervenor Compensation Claim Of TURN To Mail To ALJ	\$1.82
7/31/15	HDG	R13-09-011	\$Postage	Postage to mail Comments of TURN Concerning Cost-Effectiveness Protocols and the Valuation Working Group Report to send to the ALJ	\$1.20
8/14/15	HDG	R13-09-011	\$Postage	Postage to mail Reply Comments Of TURN Concerning Cost Effectiveness Protocols and the Valuation Working Group Report to the ALJ	\$1.20
8/26/15	HDG	R13-09-011	\$Postage	Postage to mail Opening Comments of The City and County of San Francisco On The Proposed Revisions To General Order 66-C to ALJ	\$1.20
9/30/15	HDG	R13-09-011	\$Postage	Postage To Mail	\$0.00
9/30/15	HDG	R13-09-011	\$Postage	Postage To Mail NOI Communication To ALJ	\$0.98
10/19/15	HDG	R13-09-011	\$Postage	Postage To Mail Reply Comments Of The Utility Reform Network On Staff Proposal Regarding The Use Of Fossil-Fueled Back-Up Generation In Demand Response To ALJ	\$0.98
Total: \$Postage					\$7.38
Grand Total					\$1,092.38



Temesgen Bayru

How was your experience?



\$58.28

Custom Amount	\$48.57
Subtotal	\$48.57
Tip	\$9.71
Total	\$58.28

Subject: Car Rental Receipt (duplicate)
Date: Tuesday, January 13, 2015 9:36:07 AM PT
From: Enterprise Rent-A-Car Reservation
To: marcel@turn.org

MARCEL HAWIGER Contract Number: **148666262**
 Receipt Date: **Jan 6, 2015**

Enterprise Location: 2501 N Hollywood Way Suite Ste 8
 Burbank, CA 91505-1061
 US
 Tel.: 5587336 **Driver:** MARCEL HAWIGER

Start Date	End Date	Make/Model	Start Miles	End Miles	Miles Driven
Jan 6, 2015 @ 8:12 am	Jan 6, 2015 @ 4:45 pm	PASSAT	18,990	19,033	43
Total Miles					43

Charge Description	Quantity	Per	Rate	Total
Rate	1	Day	51.66	51.66
				Subtotal: USD 51.66

Taxes and Surcharges

CONSOLIDATED FACILITY CHG 6.00/DY	6.00
TOURISM FEE 2.60 PCT	1.34
CONCESSION RECOVERY FEE 11.11 PCT	5.74
SALES TAX	5.17

Subtotal: USD 69.91

Total Charges: USD 69.91

Payment Information

CREDIT CARD MC 69.91

Subtotal: USD 69.91

Total Payment Amount USD 69.91

Subject: Flight reservation (F3GOSY) | 06JAN15 | OAK-BUR | Hawiger/Marcel

Date: Tuesday, December 30, 2014 8:29:10 PM PT

From: Southwest Airlines

To: MARCEL@TURN.ORG

You're all set for your trip!

Southwest Airlines

[My Account](#) | [View My Itinerary Onl](#)

[Check In Online](#)

[Check Flight Status](#)

[Change Flight](#)

[Special Offers](#)

[Hotel Offers](#)

[Car Offers](#)

Ready for takeoff!

Thanks for choosing Southwest® for your trip! You'll find everything you need to know about your reservation below. Happy travels!

Upcoming Trip: 01/06/15 - Burbank

[AIR Itinerary](#)

AIR Confirmation: F3GOSY

Confirmation Date: 12/30/2014

Passenger(s)	Rapid Rewards #	Ticket #	Expiration	Est. Points Earned
HAWIGER/MARCEL	448138670	5262470436668	Dec 30, 2015	1774

Rapid Rewards points earned are only estimates. Visit your (MySouthwest, Southwest.com or Rapid Rewards) account for the most accurate totals - including A-List & A-List Preferred bonus points.

Date	Flight	Departure/Arrival
Tue Jan 6	2070	Depart OAKLAND, CA (OAK) on Southwest Airlines at 06:50 AM Arrive in BURBANK, CA (BUR) at 07:55 AM Travel Time 1 hrs 5 mins Wanna Get Away
Tue Jan 6	4386	Depart BURBANK, CA (BUR) on Southwest Airlines at 5:10 PM Arrive in OAKLAND, CA (OAK) at 6:25 PM Travel Time 1 hrs 15 mins Wanna Get Away

What you need to know to travel:

- Don't forget to check in for your flight(s) 24 hours before your trip on southwest.com or your mobile device. This will secure your boarding position on your flights.
- Southwest Airlines does not have assigned seats, so you can choose your seat when you board the plane. You will be assigned a boarding position based on your checkin time. The earlier you check

- in, within 24 hours of your flight, the earlier you get to board.
- WiFi, TV, and related services and amenities may vary and are subject to change based on assigned aircraft. [Learn more.](#)

Sign Up 'n Save

Remember to be in the gate area on time and ready to board:

- 30 minutes prior to scheduled departure time: We may begin boarding as early as 30 minutes prior to your flight's scheduled departure time. We encourage all passengers to plan to arrive in the gate area no later than this time.
- 10 minutes prior to scheduled departure time: All passengers must obtain their boarding passes and be in the gate area available for boarding at least 10 minutes prior to your flight's scheduled departure time. If not, Southwest may cancel your reserved space and you will not be eligible for denied boarding compensation.
- If you do not plan to travel on your flight: In accordance with Southwest's No Show Policy, you must notify Southwest at least 10 minutes prior to your flight's scheduled departure if you do not plan to travel on the flight. If not, Southwest will cancel your reservation and all funds will be forfeited.

Air Cost: 346.20

Enroll Now. It's Free

Carryon Items: 1 Bag + small personal item are free. See full details. Checked Items: First and second bags fly free. Weight and size limits apply.

Fare Rule(s): 5262470436668: NONREF/NONTRANSFERABLE/STANDBY REQ UPGRADE TO Y.

Valid only on Southwest Airlines. All travel involving funds from this Confirmation Number must be completed by the expiration date. Unused travel funds may only be applied toward the purchase of future travel for the individual named on the ticket. Any changes to this itinerary may result in a fare increase. Failure to cancel reservations for a Wanna Get Away fare segment at least 10 minutes prior to travel will result in the forfeiture of all remaining unused funds.

OAK WN BUR147.91RLN7PNR WN OAK147.91RLN7PNR 295.82 END ZPOAKBUR
XFOAK4.5BUR4.5 AY11.20\$OAK5.60 BUR5.60

[Learn About Our Boarding Process](#)

[Get EarlyBird](#)
[Check-In@ Details](#)

Cost and Payment Summary

AIR F3GOSY

Base Fare	\$ 295.82	Payment Information
Excise Taxes	\$ 22.18	Payment Type: Univ Air Travel
Segment Fee	\$ 8.00	XXXXXXXXXX9829
Passenger Facility Charge	\$ 9.00	Date: Dec 30, 2014
September 11th Security Fee	\$ 11.20	Payment Amount: \$346.20
Total Air Cost	\$ 346.20	

Useful Tools

- [Check In Online](#)
- [Early Bird Check-In](#)
- [View/Share Itinerary](#)
- [Change Air Reservation](#)
- [Cancel Air Reservation](#)
- [Check Flight Status](#)
- [Flight Status Notification](#)

Know Before You Go

- [In the Airport](#)
- [Baggage Policies](#)
- [Suggested Airport Arrival Times](#)
- [Security Procedures](#)
- [Customers of Size](#)
- [In the Air](#)
- [Purchasing and Refunds](#)

Special Travel Needs

- [Traveling with Children](#)
- [Traveling with Pets](#)
- [Unaccompanied Minors](#)
- [Baby on Board](#)
- [Customers with Disabilities](#)

Kevin Woodruff

From: etickets@amtrak.com
Sent: Sunday, February 08, 2015 3:01 PM
To: KDW@woodruff-expert-services.com
Subject: Amtrak eTicket and Receipt for Your Trip - KEVIN WOODRUFF
Attachments: Woodruff Kevin 201502081800580665.pdf

SALES RECEIPT

Purchased: 02/08/2015 3:00 PM PT Thank you for your purchase.

1. Retain this receipt for your records.
2. Print the attached eTicket and carry during your trip.

Merchant ID 0073260 Massachusetts Avenue Washington, DC 20002800-USA-RAILAmtrak.com

Reservation Number - 635977 SACRAMENTO, CA - SAN FRAN-CVCTR, CA (Ten-Ride Ticket) FEBRUARY 9, 2015 - MARCH 25, 2015

Billing Information

KEVIN D WOODRUFF 2741 COLEMAN WAYSACRAMENTO, CA 95818

American Express ending in 2002 (Purchase) Authorization Code 244220

Total \$195

Purchase Summary - Ticket Number 0390732066043

SACRAMENTO, CA - SAN FRANCISCO (CIVIC CENTER), CA Valid Travel Period: February 9, 2015 - March 25, 2015
1 TEN-RIDE TICKET

Ticket Terms & Conditions NOT VALID ON ALL TRAINS NO REFUND AFTER FIRST USE	
Subtotal	\$195.00
Total Charged by Amtrak	\$195.00

\$195.00

Passengers

Kevin Woodruff

Important Information

- Tickets are non-transferable.
- Changes to this ticket may affect your fare.
- Refund restrictions may apply. See the refund/exchange policy at Amtrak.com/refund.
- Summary of Conditions of Contract: Ticket valid for carriage or refund (subject to the refund rules of the fare purchased) for twelve months after date of issue unless otherwise specified. Amtrak tickets may only be sold or issued by Amtrak or an authorized travel agent/tour operator. Tickets sold or issued by an unauthorized third party will be voided by Amtrak. This ticket is a contract of carriage between Amtrak and the ticket holder, which is subject to specific terms and conditions, which are available for inspection at Amtrak ticket counters, on the Amtrak website at Amtrak.com/conditionscontract, or by calling 1-800-USA-RAIL. Tickets sold for non-Amtrak service are subject to the tariffs of the providing carrier.
- Questions? Contact us online at Amtrak.com/contact or call 1-800-USA-RAIL (1-800-872-7245) or TDD/TTY (1-800-523-6590).

Text inserted by Panda GP 2014:

This message has NOT been classified as spam. If it is unsolicited mail (spam), click on the following link to reclassify it: [it is spam!](#)

2/9 410 | round trip

2/17 418 | round trip

\$195 / 5 round trips = \$39 / round trip



HOTEL WHITCOMB
SAN FRANCISCO

Reservation Number 787903

Send to Kevin Woodruff
2741 coleman wy
SACRAMENTO, CA 95818

Phone 916-747-1295

Guest Name Kevin Woodruff

Arrival Date
2/9/2015

Departure Date
2/10/2015

Room Information 267 - Non Smoking King

Bill To Woodruff, Kevin
2741 coleman wy
SACRAMENTO, CA 95818
Billing Num: 916-747-1295

Folio Number 1206769

Trans Date	Description		Voucher	Amount
Charges				
2/9/2015	Guest Room Charge	Bes Available Rate	hw -267	189.00
2/9/2015	Room Tax		hw -267	26.46
2/9/2015	Tourism District Assessment		hw -267	4.25
2/9/2015	California Tourism Tax		hw -267	0.13
2/10/2015	Restaurant Dining		1548-5450	28.20
Total Charges				248.04
Payments				
2/10/2015	American Express	#####2002	59967867	0000530509
Total Payments				-248.04
Balance Due:				0.00

Total

Total Tax \$0.00

SPACE NUMBER

EXPIRATION TIME

SPACE NUMBER

EXPIRATION TIME

Lot: 293

Space: 308

06:44 AM

Extension code: 1451

02/11/15 \$ 20.00 600007

Call 916-722-7275 to
Add Time To Your Meter

I agree to remain
pay part or all o

DATE

PAID

P PARKEON

DATE

PAID

P PARKEON

Guest Signature

RETAIN AS PROOF OF PAYMENT

RETAIN AS PROOF OF PAYMENT



KEVIN WOODRUFF
2741 COLEMAN WAY
Sacramento CA 95818
United States

Company Name:
Group Name:

Reference: :
Invoice No. :
Room No. : 515
Arrival : 02-17-15
Departure : 02-18-15
Folio No. :
Conf. No. : 13833008
Cashier No. : 19

INFORMATION INVOICE

Date	Description	Charges	Credits
02-17-15	Room	159.00	
02-17-15	Hotel Occupancy Tax 14%	22.26	
02-17-15	TID Assessment 1.00%	1.59	
02-17-15	MED Assessment 1.25%	1.99	
02-18-15	American Express		184.84
Total		184.84	184.84
Balance			0.00

Guest Signature: _____

I agree to pay all charges and my signature is my authorization to charge my credit card.

Kevin Woodruff

From: etickets@amtrak.com
Sent: Sunday, February 08, 2015 3:01 PM
To: KDW@woodruff-expert-services.com
Subject: Amtrak: eTicket and Receipt for Your Trip - KEVIN WOODRUFF
Attachments: Woodruff Kevin 201502081800580665.pdf

e

SALES RECEIPT



Purchased: 02/08/2015 3:00 PM PT Thank you for your purchase.

- 1. Retain this receipt for your records.
- 2. Print the attached eTicket and carry during your trip.

Merchant ID 0073260 Massachusetts Avenue Washington, DC 20002800-USA-RAILAmtrak.com

Reservation Number - 635977 SACRAMENTO, CA - SAN FRAN-CVCCTR, CA (Ten-Ride Ticket) FEBRUARY 9, 2015 - MARCH 25, 2015

Billing Information

KEVIN D WOODRUFF 2741 COLEMAN WAYSACRAMENTO, CA 95818	
American Express ending in 2002 (Purchase) Authorization Code 244230	Total \$195

Purchase Summary - Ticket Number 0390732066043

SACRAMENTO, CA - SAN FRANCISCO (CIVIC CENTER), CA Valid Travel Period: February 9, 2015 - March 25, 2015	
1 TEN-RIDE TICKET	\$195.00
Ticket Terms & Conditions NOT VALID ON ALL TRAINS NO REFUND AFTER FIRST USE	
Roundtrip from Sacramento to San Francisco equals 2 rides per round trip times (\$195 / (10 rides per ticket)), or \$39.	Subtotal \$195.00
Three trips taken on this ticket for Total Charged by Amtrak in March 2015, one each on March 6, March 16 and March 17.	

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Attachment 4

TURN Hours Allocated by Issue

f3-f155

f156-f350

Issue	Description	Code	Consultant Hours	% of Consultant Time	Attorney Hours	% of Attn Time	Total Hours	% of Total
Valuation of LMDR - RA	Participation in the Load Modifying Demand Response Working Group re. valuation of load modifying demand response for providing RA capacity value	VWG	111.00	54.41%	49.00	28.45%	160.54	42.67%
Valuation of LMDR - T&D	Valuation working group - subgroup addressing T&D deferral value of demand response	TDWG	9.75	4.78%	16.00	9.29%	25.80	6.86%
DRAM Solicitation Design General	DRAM Working Group - Design of 2016 DRAM RFO and 2017 DRAM contracts	DRAM	77.75	38.11%	35.75	20.75%	113.88	30.27%
Multiple	General work necessary for participation which does not necessarily vary with the number of issues	GP	2.25	1.10%	15.25	8.85%	17.51	4.65%
Cost Effectiveness	Work covering multiple issues that cannot be easily segregated	#	0.50	0.25%	8.25	4.79%	8.75	2.33%
Policy re Use of Back Up Generators	Cost effectiveness methodology for DR	CE	2.25	1.10%	5.75	3.34%	8.01	2.13%
Programs and Budgets for 2017	Address various pleadings and provide comments concerning legal and policy issues on use of BUGs in DRAM and DR	BUG	0.50	0.25%	2.00	1.16%	2.50	0.67%
DRAM 2016	Address guidance and program design issues for 2017 bridge year funding	2017	0.00	0.00%	21.75	12.63%	21.75	5.78%
Coordination	Analysis of IOU selection of bids; IOU advice letters for contract approvals	DRAM 2016	0.00	0.00%	17.50	10.16%	17.50	4.65%
Totals	Coordinate with other parties to discuss issues and minimize duplication	Coord	0.00	0.00%	1.00	0.58%	1.00	0.27%
Travel			6.00		2.00			

ALLOCATION BY PRIMARY ISSUE

ISSUE	% of Attorney Time	% of Consultant Time
Capacity Valuation	30%	50%
T&D Valuation	10%	5%
DRAM Process and Contract	20%	40%
BUG Policy	3%	1%
2017 Programs and Budgets	15%	0%
DRAM 2016 Evaluation	10%	0%
Cost Effectiveness Methodology	7%	3%
Other	5%	1%
	100%	100%