

**FORM B: BLANK INTERVENOR COMPENSATION CLAIM**

Decision _____

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

Application of Pacific Gas and Electric Company for Authority, Among Other Things, to Increase Rates and Charges for Electric and Gas Service Effective on January 1, 2017. (U39M)	Application 15-09-001 (Filed September 1, 2015)
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**INTERVENOR COMPENSATION CLAIM OF THE UTILITY REFORM
 NETWORK
 AND DECISION ON INTERVENOR COMPENSATION CLAIM OF THE
 UTILITY REFORM NETWORK**

NOTE: After electronically filing a PDF copy of this Intervenor Compensation Claim (Request), please email the document in an MS WORD and supporting EXCEL spreadsheet to the Intervenor Compensation Program Coordinator at lcompcoordinator@cpuc.ca.gov.

Intervenor: The Utility Reform Network (TURN)		For contribution to Decision (D.) 17-05-013	
Claimed: \$1,414,358.14		Awarded: \$	
Assigned Commissioner: Michael Picker		Assigned ALJ: Stephen C. Roscow	
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: July 17, 2017	Printed Name:	Hayley Goodson	

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

A. Brief description of Decision:	In Decision (D.) 17-05-013, the Commission authorized Pacific Gas and Electric Company's (PG&E's) general rate case (GRC) revenue requirement for 2017-2019. The Commission addressed a comprehensive settlement
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	agreement between all active parties in the proceeding, which proposed to resolve all but the following two contested issues: (1) whether to add a third post-test year to PG&E's 2017 GRC cycle, and (2) whether PG&E should be authorized to establish a new balancing account to record costs to comply with gas leak management requirements that may emerge from R.15-01-008. The Commission in D.17-05-013 approved the settlement agreement with two modifications, and also resolved the two contested issues.
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B. Intervenor must satisfy intervenor compensation requirements set forth in Pub. Util. Code §§ 1801-1812:

	Intervenor	CPUC Verified
Timely filing of notice of intent to claim compensation (NOI) (§ 1804(a)):		
1. Date of Prehearing Conference:	10/29/15	
2. Other specified date for NOI:		
3. Date NOI filed:	11/30/15	
4. Was the NOI timely filed?		
Showing of eligible customer status (§ 1802(b) or eligible local government entity status (§§ 1802(d), 1802.4):		
5. Based on ALJ ruling issued in proceeding number:	A.15-03-005	
6. Date of ALJ ruling:	8/6/15	
7. Based on another CPUC determination (specify):		
8. Has the Intervenor demonstrated customer status or eligible government entity status?		
Showing of "significant financial hardship" (§1802(h) or §1803.1(b))		
9. Based on ALJ ruling issued in proceeding number:	A.15-03-005	
10. Date of ALJ ruling:	8/6/15	
11. Based on another CPUC determination (specify):		
12. Has the Intervenor demonstrated significant financial hardship?		
Timely request for compensation (§ 1804(c)):		

13. Identify Final Decision:	D.17-05-013	
14. Date of issuance of Final Order or Decision:	May 18, 2017	
15. File date of compensation request:	July 17, 2017	
16. Was the request for compensation timely?		

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

#	Intervenor's Comment(s)	CPUC Discussion
1	<u>Line 3</u> : TURN timely filed our original NOI on Nov. 30, 2015. TURN filed an amendment to our NOI on Jan. 6, 2016, to reflect our recently updated Articles of Incorporation and Bylaws.	

PART II: SUBSTANTIAL CONTRIBUTION (to be completed by Intervenor except where indicated)**A. Did the Intervenor substantially contribute to the final decision (see § 1802(j), § 1803(a), 1803.1(a) and D.98-04-059). (For each contribution, support with specific reference to the record.)**

Intervenor's Claimed Contribution(s)	Specific References to Intervenor's Claimed Contribution(s)	CPUC Discussion
<u>Overview</u> This GRC proceeding covered an array of issues associated with PG&E's gas and electric utility service. TURN sponsored 13 volumes of testimony from twelve witnesses on a wide variety of those issues. TURN made a number of recommendations, addressing almost every aspect of PG&E's operations. These recommendations included reducing overall Administrative and General and Human Resources spending, reducing ratepayer funding of the Short Term Incentive Plan (STIP), reducing Customer Care costs,	<ul style="list-style-type: none"> D.17-05-013, p. 2 (adopting settlement agreement with two modifications, and resolving two contested issues) Joint Motion of the Office of Ratepayer Advocates (ORA), The Utility Reform Network (TURN), Alliance for Nuclear Responsibility (A4NR), Center for Accessible Technology (CforAT), Coalition of California Utility Employees (CUE), Collaborative Approaches to Utility Safety Enforcement (CAUSE), Consumer Federation of California (CFC), Environmental Defense Fund (EDF), Marin Clean Energy (MCE), Merced Irrigation District (Merced ID), Modesto 	

<p>reducing electric and gas distribution capital and expense items and related ratemaking adjustments for deferred or imprudent gas distribution spending, reducing electric generation capital and expense items and related ratemaking adjustments, reducing depreciation and rate base for numerous items, rejecting or reducing funding for numerous real estate projects and activities, and rejecting certain political costs. TURN also opposed PG&E's proposal to close up to 26 customer service offices, and offered policy recommendations related to safety, risk, and integrated planning; non-tariffed products and services; and Diablo Canyon, among other things. <i>See</i> Exhibits TURN-1 through TURN-13.</p> <p>Immediately after the submission of our testimony, TURN began participating in intense and prolonged settlement negotiations, which ultimately resulted in a settlement agreement resolving all of the disputed issues addressed in TURN's testimony. TURN played a leading role (along with PG&E and ORA) throughout negotiations, reflecting the breadth and depth of our showing in the proceeding. No party addressed more issues than TURN but ORA, and TURN addressed some issues not covered by TURN.</p> <p>The Settlement Agreement recommended a test year revenue requirement increase for PG&E of \$88 million, as compared to its original request of \$457 million and request in rebuttal testimony of \$319 million. The settlement agreement proposed additional</p>	<p>Irrigation District (Modesto ID), National Diversity Coalition (NDC), Small Business Utility Advocates (SBUA), South San Joaquin Irrigation District (SSJID), and Pacific Gas and Electric Company (PG&E) for Adoption of Settlement Agreement, filed Aug. 3, 2016 ("Joint Motion")</p> <ul style="list-style-type: none"> • Joint Motion, Attachment 1 (Settlement Agreement Among ORA, TURN, A4NR, CforAT, CUE, CAUSE, CFC, EDF, MCE, Merced ID, Modesto ID, NDC, SBUA, SSJID, and PG&E) ("Settlement Agreement") • Settlement Agreement, Appendix A (comparing the settlement outcomes on financial issues to PG&E's request, ORA's position, and TURN's position, with notes attributing settlement outcomes to TURN, ORA, and other parties, as appropriate). 	
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increases in post-test years 2018 and 2019 of \$444 million and \$361 million respectively. PG&E originally requested \$489 and \$390 for those years, but lowered its requests in rebuttal testimony to \$469 and \$368. In addition to these high-level numbers, the Settlement Agreement included detailed tables presenting budgets for every MWC or cost center covered by PG&E's GRC, organized by PG&E exhibit and chapter. These tables show PG&E's forecasts, proposed reductions by ORA and TURN, and the settlement outcome, and also include notes indicating the basis for the settlement outcome (such as "Adopts TURN's partial adjustment"). The Settlement Agreement additionally contained numerous non-revenue requirement elements, such as reporting requirements, required showings in the next GRC, and other obligations placed on PG&E in response to the recommendations of intervenors.

After very careful consideration, the Commission adopted this settlement agreement with two modifications in D.17-05-013. Historically, intervenors have faced some challenges in linking their litigation positions to the outcomes in a settled proceeding because of the confidential nature of settlement negotiations and the frequent "black box" nature of resulting settlement agreements. That is not the case here. Both the Joint Motion supporting the Settlement Agreement and Appendix A to the agreement itself make very clear that TURN's efforts resulted in a substantial contribution to the settlement agreement and thus D.17-05-013.

<p>In the sections that follow, TURN demonstrates our substantial contribution associated with issues resolved by the Settlement Agreement by primarily citing to these documents for efficiency's sake, where possible. For some issues, we additionally cite to our testimony. TURN also clarifies that the issues identified below are not an exhaustive reflection of our contributions to the Settlement Agreement. TURN was actively involved with negotiating the terms of almost every aspect of the Settlement Agreement, whether our participation was called out in the Joint Motion or not. But due to the confidentiality requirements of Commission Rule 12.6, TURN is limited in what we can disclose regarding the negotiations themselves.</p> <p>TURN additionally made a substantial contribution to the Commission's resolution of the two contested issues not resolved by the settlement agreement, as demonstrated below.</p>		
<p>Outcome on Overall Revenue Requirement</p> <p><i>2017 Test Year Revenue Requirement</i></p> <p>TURN proposed reductions to PG&E's test year O&M forecasts across all departments of approximately \$160 million, plus \$145 million for companywide expenses. TURN additionally proposed capital expenditure reductions relative to PG&E's requests of approximately \$700 million in 2017, \$125 million in 2016, and \$150 million in 2015.</p>	<p><i>2017 Test Year Revenue Requirement</i></p> <ul style="list-style-type: none"> • Settlement Agreement, Appendix A, "Cost Summary" tables on pages 2 and 3 (comparing TURN's reductions to the settlement reductions) • Settlement Agreement, Appendix A, "Results of Operations Summary of Proposed Increase over Adopted 2016," p. 1 of 18. <p><i>Post-Test Year Ratemaking Adjustments for 2018 and 2019</i></p>	

<p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's O&M forecasts across all departments by approximately \$70 million, and its companywide expense by \$91 million. On the capital expenditure side, the settlement agreement reduced PG&E's request for 2017 by approximately \$118 million, its request for 2016 by \$31 million, and its request for 2015 by \$186 million.</p> <p>The upshot of these reductions is a very substantial decrease in PG&E's 2017 authorized revenue requirement relative to its request, attributable in significant part to TURN's efforts. Rather than the \$457 million increase proposed by PG&E, later reduced to \$319 million in rebuttal testimony, the Commission authorized an \$88 million increase. Comparing PG&E's adjusted request to this outcome produces three years of savings for ratepayers of \$231 million per year, for a total of nearly \$700 million across the 2017 GRC cycle. This figure does not include the additional, albeit more modest savings, stemming from the post-test year ratemaking adjustments authorized by the Commission in D.17-05-013.</p> <p>TURN's revenue requirement recommendations contributed materially to these reductions for the test year 2017 revenue requirements.</p> <p><i>Post-Test Year Ratemaking Adjustments for 2018 and 2019</i></p> <p>TURN developed primary and alternate forecasts for post-test year ratemaking (PTYR), both using a two-part PTYR</p>	<ul style="list-style-type: none">• Joint Motion, p. 12 (addressing Section 3.1.1.2 of the Settlement Agreement)• Settlement Agreement, Section 3.1.1.2• Settlement Agreement, Appendix B, "Post-Test Year Settlement Amounts"• Ex. TURN-12, p. 17	
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<p>mechanism that escalates O&M expenses using a broad index and bases capital-related attrition on a forecast of attrition-year plant, using the Commission's traditional historical averaging method to develop the forecast. TURN's two proposals used different indices to escalate dollars in TURN's model. For O&M, TURN used CPI-U in its primary proposal and CPI-U plus 50 basis points in its alternate proposal. For capital, TURN used CPI-U to adjust nominal capital expenditures to constant year capital expenditures in its primary recommendation, as compared to a weighted average of the Global Insight capital indices in its alternate proposal. Based on this methodology, TURN offered the following primary and alternate forecasts in Ex. TURN-12:</p> <p>Primary: \$469 million (2018); \$250 million (2019)</p> <p>Alternate: \$458 million (2018); \$290 (2019)</p> <p>As TURN explained in Ex. TURN-12, TURN's primary and alternate proposals for the PTYR mechanism reflect the short-term tax effects associated with lower capital expenditure levels, which generally cause an increase in the revenue requirement as compared to the higher capital spending level assumptions in PG&E's methodology. In December 2015, federal tax law changed, extending bonus depreciation through 2019 and permanently extending the research tax credit. TURN noted the long-term benefits to ratepayers from lower capital expenditures in 2018 and 2019, despite the near-term higher revenue requirement, because these tax benefits will ultimately</p>		
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<p>reverse, leaving the ratepayers paying higher rates in the long term.</p> <p>ORA also offered primary and alternate proposals of \$274 (2018) / \$283 (2019) and \$444 (2018) / \$361 (2019). Given the very unusual tax effects at play in PTYR in this proceeding, the range of dispute was much smaller than usual.</p> <p>The Settlement Agreement did not resolve the methodological dispute among parties but adopted fixed dollar amounts. As a compromise among the positions of PG&E, TURN, and ORA, it adopted ORA's alternative proposal for 2018, \$444, which was lower than both of TURN's proposals but higher than ORA's primary recommendation. For 2019, the Settlement Agreement adopted ORA's alternative proposal of \$361, which was higher than both of TURN's proposals and ORA's primary recommendation. The Commission adopted these fixed dollar amounts in D.17-05-013.</p> <p>Compared to PG&E's updated request, the Settlement Agreement reduced PG&E's 2018 PTYR adjustment by \$25 million (\$469 vs. \$444), for a total GRC cycle reduction of \$50 million. The Settlement reduced PG&E's 2019 PTR adjustment by \$7 million (\$368 vs. \$361). In sum, Section 3.1.1.2 will save ratepayers \$57 million and provide PG&E some cost containment incentives.</p>		
<p><u>Gas Distribution</u></p> <p>TURN proposed a number of adjustments to PG&E's forecast for gas distribution O&M and</p>	<ul style="list-style-type: none"> Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's gas distribution adjustments for 	

<p>capital, including approximately \$5 million in expense adjustments and \$406 million in capital reductions for 2017. The \$5 million figure for expense adjustments reflects the net effect of TURN's proposed reductions, which were larger than \$5 million, and proposed increases, relative to PG&E's request.</p> <p>The Settlement Agreement adopted by D.17-05-013 reduces PG&E's forecast by \$18 million in gas distribution expense. TURN's advocacy is reflected in the \$5.2 million reduction for corrosion control (MWC DG and FH); \$2.5 million reduction for leak management (MWC FI); and the \$0.5 million reduction for gas distribution other support activities (MWC AB).</p> <p>The Settlement Agreement additionally reduced PG&E's forecast by \$10 million in gas distribution capital in 2017. This reduction was in response to TURN's recommendations for new business (MWC 29).</p> <p>TURN also proposed adjustments to PG&E's forecasts of 2015 and 2016 gas distribution capital spending in Ex. TURN-1, Ex. TURN-2, and Ex. TURN-4. Those adjustments are reflected in other parts of the Settlement Agreement, as explained below.</p>	<p>2017, as presented in Ex. TURN-2, Ex. TURN-4, and Ex. TURN-8)</p> <ul style="list-style-type: none"> • Joint Motion, pp. 12-13 (summarizing Section 3.1.2 of the Settlement Agreement) • Settlement Agreement, Appendix A, O&M Expense Table, p. 4 of 18 (attributing the gas distribution adjustments as follows: MWC DG to TURN; MWC FH to TURN and ORA; MWC FI to TURN, ORA, and CFC; and MWC AB to TURN) • Settlement Agreement, Appendix A, Capital Expenditures Table, p. 11 of 18 (attributing the gas distribution adjustment for customer connects to TURN) 	
<p><u>Electric Distribution</u></p> <p><i>Financial Issues</i></p> <p>TURN proposed a number of adjustments to PG&E's forecast for electric distribution O&M and capital, including approximately \$24 million in expense adjustments and \$171 million in capital reductions for 2017.</p>	<p><i>Financial Issues</i></p> <ul style="list-style-type: none"> • Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's electric distribution adjustments, as presented in Ex. TURN-3, Ex. TURN-4, and Ex. TURN-5) • Joint Motion, pp. 13-14 (summarizing Section 3.1.3 of the 	

<p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's forecast by \$7 million in electric distribution expense. TURN's advocacy is reflected in the \$2 million reduction for overhead maintenance (MWC KA); \$1.2 million reduction for capacity, including the Voltage and Volt-Ampere Reactive Optimization (VVO) program (MWC BA, JV); and \$2.5 million reduction for mapping and records management (MWC GE).</p> <p>The Settlement Agreement additionally reduced PG&E's forecast by \$107 million in electric distribution capital in 2017. TURN's advocacy is reflected in the \$7 million reduction for reliability (MWC 49)¹; \$10 million reduction for substation asset management (MWC 48); \$40.5 million for capacity projects, including those in support of the VVO and Distributed Energy Resource Integration Capacity (DERIC) programs (MWC 06, 46, 2F); and \$43.4 million reduction for new business (MWC 16).</p> <p><i>Reporting Requirements</i></p> <p>The Settlement Agreement also reflects TURN's advocacy related to the Surge Arrestor Grounding Program and Line Extension Data Collection in certain new reporting requirements. First, as the Joint Motion Explains, PG&E will report annually on the progress of work in the Surge Arrestor Grounding Program to address TURN's concerns about PG&E's unit forecast, presented in Ex. TURN-3. Second, PG&E</p>	<p>Settlement Agreement)</p> <ul style="list-style-type: none"> • Settlement Agreement, Appendix A, O&M Expense Table, pp. 4 of 18 to 5 of 18 (attributing the electric distribution adjustments as follows: MWC KA to TURN and ORA; MWC BA/JV to TURN and ORA; and MWC GE to TURN and ORA) • Settlement Agreement, Appendix A, Capital Expenditures Table, p. 11 of 18 (attributing the electric distribution adjustments as follows: MWC 49 to TURN; MWC 48 to TURN; MWC 06, 46, 2F to TURN and ORA; and MWC 16 to TURN and ORA) <p><i>Reporting Requirements</i></p> <ul style="list-style-type: none"> • Joint Motion, p. 35 (addressing Section 3.2.2.3 of the Settlement Agreement re: Surge Arrestor Progress Report) • Settlement Agreement, Section 3.2.2.3 • Joint Motion, p. 36 (addressing Section 3.2.2.7 of the Settlement Agreement re: Line Extension Reporting) • Settlement Agreement, Section 3.2.2.7 	
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¹ The revenue requirement impacts of this adjustment are offset by the Settlement Agreement provision increasing FLISR installations in response to CUE's position by \$8.5 million. See Settlement Agreement, Attachment A, p. 11 of 18.

<p>will include in future GRCs the specific information about Line Extension that TURN proposed, which is a subset of the data historically provided in the annual Line Extension Report that will be discontinued.</p>		
<p><u>Energy Supply</u></p> <p>TURN proposed a number of adjustments to PG&E's forecast for generation O&M and capital, including approximately \$11 million in expense adjustments and \$23 million in capital reductions for 2017.</p> <p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's forecast by \$5 million in generation expense. TURN's advocacy is reflected in the \$0.5 million reduction for hydro operations (MWC AX, KH, KI).</p> <p>Moreover, the Settlement Agreement reflects TURN's advocacy related to Diablo Canyon through the non-financial provisions in Section 3.2.3.1. As the Joint Motion explains, a number of issues raised by TURN, also by A4NR, about license renewal for Diablo Canyon were resolved by PG&E's decision to seek Commission approval to retire Diablo Canyon at the end of its current NRC licenses. However, the Settlement Agreement addresses TURN's (and A4NR's) concerns about PG&E's request for pre-approval of the Unit 2 generator stator replacement project. PG&E withdrew that request, and agreed that if it proceeds with the project, the project and associated costs will be subject to review in its next GRC application.</p>	<ul style="list-style-type: none"> • Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's energy supply adjustments, as presented in Ex. TURN-6) • Joint Motion, p. 15 (summarizing Section 3.1.4 of the Settlement Agreement) • Settlement Agreement, Appendix A, O&M Expense Table, p. 5 of 18 (attributing the energy supply adjustments as follows: MWC AX, KH, and KI to TURN and ORA) • Joint Motion, pp. 37-38 (addressing Section 3.2.3.1 of the Settlement Agreement re: Diablo Canyon) 	

<p><u>Customer Care</u></p> <p><i>Financial Issues</i></p> <p>TURN proposed a number of adjustments to PG&E's forecast for customer care, including approximately \$103 million in expense adjustments.</p> <p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's forecast by \$31 million in customer care expense. TURN's advocacy is reflected in the \$7 million reduction for customer engagement (MWC EZ, FK, IV); \$14.7 million reduction for pricing products (MWC EZ); \$3.8 million reduction for contact centers (MWC DK); \$1.0 million reduction for metering (MWC AR); and \$3.2 million reduction for billing, revenue, and credit (MWC IS). Approximately \$18 million of these reductions are associated with the movement of costs associated with the Residential Rate Reform OIR (R.12-06-013) to a memo account for future review elsewhere.</p> <p>The Settlement Agreement additionally reduced PG&E's forecast by \$1.3 million in capital in 2017. This adjustment reflects the movement of costs associated with the Residential Rate Reform OIR (R.12-06-013) to a memo account for future review elsewhere.</p> <p>While D.17-05-013 adopted the financial impacts of Section 3.1.5.2 of the Settlement Agreement, related to PG&E's recovery of 2015-2016 and 2017-2019 costs recorded in the Residential Rate Reform Memorandum Account, the Commission rejected the vehicle</p>	<p><i>Financial Issues</i></p> <ul style="list-style-type: none"> • Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's customer care adjustments, as presented in Ex. TURN-8) • Joint Motion, p. 16 (summarizing Section 3.1.5 of the Settlement Agreement) • Settlement Agreement, Appendix A, O&M Expense Table, p. 6 of 18 (attributing the customer care adjustments as follows: MWC EZ to TURN and ORA; MWC FK to TURN, ORA, MMID and SSJID; MWC IV to TURN and ORA; MWC DK to TURN and ORA; MWC AR to TURN; and MWC IS to TURN and ORA) • Settlement Agreement, Appendix A, Capital Expenditures Table, p. 12 of 18 (attributing the customer care adjustment to MWC 2F to TURN and ORA) • D.17-05-013, pp. 95-97 (analyzing and rejecting Section 3.1.5.2 of the Settlement Agreement related to Residential Rate Reform Memorandum Account cost recovery); pp. 224-225 (discussing and adopting revised Section 3.1.5.2) <p><i>Customer Service Office Closures</i></p> <ul style="list-style-type: none"> • Ex. TURN-7 (Testimony of Hayley Goodson and Jeffrey Nahigian) • Joint Motion, p. 41. • Settlement Agreement, Section 3.2.4.3 	

<p>for review and recovery of those costs proposed in Section 3.1.5.2. The Commission pointed to TURN's testimony, Ex. TURN-8, as well as ORA's, in concluding that the Settlement terms were not supported by the record. Instead, the Commission adopted revisions to Section 3.1.5.2 proposed by the Settling Parties, including TURN, in comments on the Alternate Proposed Decision (APD). The Commission found that the revised Section 3.1.5.2 "addresses the concerns identified in the PD and APD" and should be adopted.</p> <p><i>Customer Service Office Closures</i></p> <p>TURN also opposed PG&E's proposal to close 26 customer service offices (CSOs). TURN presented an extensive analysis demonstrating that PG&E did not meet its burden of showing that closing these CSO would be in the best interest of customers because (1) PG&E did not address the needs and preferences of customers who use these CSOs; (2) customers continue to rely on these CSOs for payment and nonpayment transactions; and (3) PG&E did not demonstrate that alternatives available to customers using these CSOs would provide reasonably comparable levels of service.</p> <p>ORA and CUE likewise opposed PG&E's proposal.</p> <p>Pursuant to Section 3.2.4.3 of the Settlement Agreement, PG&E withdrew this request. The settlement agreement authorizes PG&E to file a new application seeking to close local offices no earlier than July 1, 2018.</p>		
<p><u>Shared Services</u></p>	<ul style="list-style-type: none"> Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's 	

<p>TURN proposed a number of adjustments to PG&E's forecast for shared services O&M and capital, including approximately \$18 million in expense adjustments and \$102 million in capital reductions for 2017.</p> <p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's forecast by \$7.5 million in shared services expense. The Settlement Agreement additionally reduced PG&E's forecast by \$5.4 million in shared services capital in 2017 for corporate real estate (MWC 23). This capital adjustment is the result of TURN's advocacy.</p>	<p>shared services adjustments, as presented in Ex. TURN-3 and Ex. TURN-8)</p> <ul style="list-style-type: none"> • Joint Motion, p. 21 (summarizing Section 3.1.6 of the Settlement Agreement) • Settlement Agreement, Appendix A, Capital Expenditures Table, p. 12 of 18 (attributing the shared services adjustment to MWC 23 to TURN) 	
<p><u>Human Resources</u></p> <p>TURN proposed a number of adjustments to PG&E's forecast for human resources (HR), including approximately \$132 million for HR expense.</p> <p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's forecast for the HR department by \$0.9 million and for companywide HR expense by \$83 million. TURN's advocacy is reflected in the \$72.3 million adjustment for the Short-Term Incentive Plan (STIP); \$5.2 million adjustment for medical and other benefits programs; \$2.6 million for various non-qualified pension and defined contribution plans; \$1.1 million for workers' compensation; and \$2.1 million for severance/workforce transition.</p>	<ul style="list-style-type: none"> • Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's HR department adjustments) and p. 3 of 18 (summary of TURN's companywide HR adjustment), as presented in Ex. TURN-6 and Ex. TURN-9 • Motion, pp. 22-23 (summarizing Section 3.1.7 of the Settlement Agreement) • Settlement Agreement, Appendix A, A&G Table, p. 9 of 18 (attributing the companywide expense adjustments as follows: \$72 million for STIP to TURN and ORA; \$4.7 million for Medical Programs to TURN; \$2.6 million for pensions to TURN and ORA; \$1.1 million for workers' comp to TURN and ORA; \$2.1 million for severance/workforce transition to TURN) 	
<p><u>Administrative and General (A&G)</u></p> <p>TURN proposed a number of</p>	<ul style="list-style-type: none"> • Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's A&G department adjustments) and p. 3 of 18 (summary of TURN's 	

<p>adjustments to PG&E's forecast for A&G, including approximately \$1.2 million for the A&G department and \$11.8 million for companywide A&G expense.</p> <p>The Settlement Agreement adopted by D.17-05-013 reduced PG&E's forecast for the A&G department by \$1.8 million and for companywide A&G expense by \$7.7 million. For the A&G department costs, TURN's advocacy is reflected in adjustments of \$0.8 million for Regulatory Affairs and \$0.1 million for Corporate Affairs. For companywide A&G expense, TURN's advocacy is reflected in the following adjustments: \$0.1 million for bank fees; \$1.2 million for directors' and officers' (D&O) liability insurance; \$3.4 million for general liability insurance; \$2.2 million for nuclear property insurance; and \$0.3 million for Director fees and expenses.</p>	<p>companywide A&G adjustment), as presented in Ex. TURN-6</p> <ul style="list-style-type: none"> • Motion, p. 23 (summarizing Section 3.1.8 of the Settlement Agreement) • Settlement Agreement, Appendix A, A&G Table, p. 8 of 18 (attributing the A&G department adjustments as follows: Regulatory Affairs adjustment to TURN and ORA; Corporate Affairs adjustment to TURN and ORA); p. 10 of 18 (attributing the companywide expense adjustments as follows: bank fees to TURN; D&O liability insurance to TURN, ORA, and CFC; general liability insurance to TURN, ORA, and CFC; nuclear property insurance to TURN; and director fees and expenses to TURN) 	
<p><u>Technical and Accounting Issues</u></p> <p>TURN proposed a number of adjustments to PG&E's forecast for various technical and accounting issues, including depreciation, 2015 and 2016 capital expenditures, customer deposits, working cash, and other operating revenue.</p> <p>The Settlement Agreement adopted by D.17-05-013 reflects TURN's advocacy in these areas.</p> <p><i>Depreciation</i></p> <p>TURN proposed life-curve combinations and net salvage values for electric distribution, gas distribution, and common plant that would reduce PG&E's</p>	<ul style="list-style-type: none"> • Joint Motion, pp. 24-28 (addressing Settlement Agreement, Section 3.1.9) <p><i>Depreciation</i></p> <ul style="list-style-type: none"> • Ex. TURN-11; Ex. TURN-6, pp. 27-30 (survivor curves for generation assets) • Joint Motion, p. 24 (addressing Settlement Agreement, Section 3.1.9.1) <p><i>2015 and 2016 Capital Expenditures</i></p> <ul style="list-style-type: none"> • Joint Motion, p. 25 (addressing Settlement Agreement, Section 3.1.9.2) • Settlement Agreement, Appendix A, p. 2 of 18 (summary of TURN's 2015 and 2016 capital adjustments, as presented in Ex. TURN-1, Ex. 	

<p>forecast by \$184 million, based on 2014 year-end plant balances. TURN also proposed longer lives for certain generation assets, which would further reduce PG&E's depreciation expense. The Settlement Agreement reduced PG&E's depreciation request by \$67 million, as a compromise of the positions of PG&E, ORA, TURN, A4NR, and CUE.</p> <p><i>2015 and 2016 Capital Expenditures</i></p> <p>TURN and ORA both proposed reductions to 2015 and 2016 capital. TURN recommended \$150 million in reductions for 2015 capital and \$125 million in reductions for 2016 capital based on our analysis of the reasonableness of specific capital projects, including gas distribution, electric distribution, energy supply, and corporate real estate.</p> <p>The Settlement Agreement reduced 2015 capital by \$186 million to generally align with 2015 recorded costs, as proposed by ORA, plus an additional \$10 million reduction in response to TURN's position that some of PG&E's spending on the gas distribution Pathfinder project in 2014 and 2015 should be disallowed because of imprudent recordkeeping.</p> <p>The Settlement Agreement reduced 2016 capital by \$31 million, with \$15 million attributed to TURN's position on PG&E's imprudent gas distribution leak management spending and \$10 million attributed to TURN's position on the forecast of gas distribution customer connects.</p>	<p>TURN-2, Ex. TURN-4, Ex. TURN-6, and Ex. TURN-8)</p> <ul style="list-style-type: none"> • Settlement Agreement, Appendix A, 2015-2016 Capital Expenditures Table, p. 14 of 18 to 17 of 18 (showing all of TURN's 2015 and 2016 capital adjustments) • Settlement Agreement, Appendix A, 2015-2016 Capital Expenditures Table, p. 14 of 18 (attributing a \$10 million reduction to 2015 capital in MWC 2F to TURN's position on the Pathfinder project; a \$15 million reduction to 2016 capital in MWC 50 to TURN's position on gas distribution leak management imprudence; and a \$10 million reduction in 2016 capital in MWC 29 for gas distribution customer connects) <p><i>Customer Deposits, Rate Base, and Related Issues</i></p> <ul style="list-style-type: none"> • Ex. TURN-6, pp. 61-83 (addressing fuel oil inventory, working cash issues -- other receivables, prepayments, Diablo Canyon outage prepayment, lead lag study, and customer deposits) • Joint Motion, pp. 25-27 (addressing Settlement Agreement, Section 3.1.9.4) • Settlement Agreement, Section 3.1.9.4 <p><i>Tax Accounting</i></p> <ul style="list-style-type: none"> • Joint Motion, pp. 25 (addressing Settlement Agreement, Section 3.1.9.3) • Settlement Agreement, Section 3.1.9.3 • D.17-05-013, pp. 116-117 	
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Customer Deposits, Rate Base, and Related Issues

TURN proposed a \$7 million reduction in PG&E's revenue requirement associated with customer deposits. TURN also proposed adjustments to PG&E's forecast of working cash equal to \$94.5 million.

The Settlement Agreement adopted by D.17-05-013 reduced PG&E's revenue requirement by \$6.4 million by using a compromise between TURN's and ORA's estimates of the short-term interest rate for customer deposits. The Settlement Agreement additionally adopts TURN's and ORA's forecast of purchased power expense in the lead-lag calculation; a compromise between TURN, ORA, and PG&E for the number of lag days (26) for the goods and services lag; and TURN's forecast for other receivables and prepayments, which results in a reduction to rate base of \$20.2 million.

Tax Accounting

TURN did not address PG&E's forecast of income and property taxes in testimony. However, as the Joint Motion explains, TURN raised the issue of tax accounting changes during settlement negotiations. The negotiated result was Section 3.1.9.3 of the Settlement Agreement, which requires PG&E to create a two-way Tax Repair Memorandum Account to track during the term of this GRC the revenue requirement impacts resulting from certain changes in Federal or State tax law impacting repair deductions or accounting method changes. In D.17-05-013, the

<p>Commission agreed that PG&E should create a memorandum account to track differences between forecast and recorded tax expenses. The Commission expanded the purpose of the memorandum account, beyond the Settlement Agreement's focus on changes impacting repair deductions, to reach any revenue differences resulting from the income tax expense forecasted in this proceeding and the tax expenses actually incurred during the 2017-2019 GRC period.</p>		
<p><u>Principles for Deferred Work</u></p> <p>TURN raised a broad concern in its testimony with PG&E's practice of delaying or deferring work based on reprioritization, and then including that work in its forecasts here. TURN also recommended various capital disallowances for previously funded safety-related work that was not performed by PG&E in the 2014-2016 period, such as work concerning Aldyl-A Mains (MAT 14D), High Pressure Regulators (MWC 2K), Valves (MAT 50E) and Reliability Main Replacement (MAT 50A), on the grounds that deferring such work was contrary to principles set forth in Decisions 11-05-018 and 14-08-032.</p> <p>Section 3.2.8.4 of the Settlement Agreement responds to TURN's concerns about deferred maintenance and reprioritization. That provision summarizes principles articulated in the Commission's 2014 GRC decision on deferred work and PG&E's financial health. It also requires PG&E, for previously funded safety work that PG&E</p>	<ul style="list-style-type: none"> • Joint Motion, pp. 51-52 (addressing Settlement Agreement, Section 3.2.8.4) • Settlement Agreement, Section 3.2.8.4 • D.17-05-013, pp. 186-189 	

<p>deferred and for which PG&E seeks future funding, to demonstrate how the funding request is consistent with the identified principles. This showing must be presented in PG&E's next GRC and its next Gas Transmission and Storage rate case.</p>		
<p><u>Risk Management & Integrated Planning</u></p> <p>In Ex. TURN-1, TURN described PG&E's risk management and integrated planning process as "opaque" and recommended various improvements, including an explicit prioritization of PG&E's proposed programs and projects.</p> <p>Section 3.2.8.8 of the Settlement Agreement requires that PG&E categorize its proposed risk mitigation programs and projects as either mandatory or discretionary. For the discretionary items, PG&E will be required to rank the items within a line of business by quintile (i.e., the programs and projects would need to be prioritized as within the top 20%, next 20%, etc.) or by a numeric ranking if such data is reasonably available. For work categorized as mandatory, PG&E will need to include information explaining why PG&E views the work as mandatory and also whether the work is a "best practice".</p>	<ul style="list-style-type: none"> • Joint Motion, p. 53 (addressing Settlement Agreement, Section 3.2.8.8) • Settlement Agreement, Section 3.2.8.8 	
<p><u>Showing Related to Affordability in Next GRC</u></p> <p>TURN witness Roger Colton demonstrated in Ex. TURN-13 that the affordability of PG&E's</p>	<ul style="list-style-type: none"> • Ex. TURN-13 (Testimony of Roger Colton) • Settlement Agreement, Section 3.2.4.10 ("Economic Circumstances") 	

<p>rates, and the ability of its residential customers to absorb proposed rate increases, cannot be judged by comparing PG&E's rates or average bills to the national average. This method is insufficient because the cost-of-living in California is substantially higher than elsewhere in the country and varies significantly across the counties in PG&E's service territory. Due to the high cost-of-living here, even moderate income customers in PG&E's service territory have insufficient incomes to meet the cost-of-living in their respective communities as measured by the Self-Sufficiency Income. For these reasons, any meaningful consideration of economic circumstances, and how those circumstances inform the affordability of proposed rate increases, must consider county-level cost of living data, in addition to service territory-wide data.</p> <p>Section 3.2.4.10 of the Settlement Agreement requires PG&E to provide certain information as part of its showing in its next GRC that will assist the Commission and parties in analyzing the affordability of PG&E's rate request. Such information includes, but is not limited to, cost of living data for each county in PG&E's service territory, as compared to the national average, for at least the five most recent years with available cost of living data. Hence, the information to be provided by PG&E in its next GRC will facilitate the kind of analysis conducted by Mr. Colton for TURN in this proceeding, to the benefit of the Commission and PG&E's ratepayers.</p>		
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<p><u>Contested Issues</u></p> <p>The settlement agreement identified two contested issues: (1) whether to add a third post-test year to PG&E's 2017 GRC cycle, and (2) whether PG&E should be authorized to establish a new balancing account to record costs to comply with gas leak management requirements that may emerge from R.15-01-008.</p> <p><i>Third Post-Test Year</i></p> <p>TURN opposed the proposal of PG&E and ORA to add a third post-test year to PG&E's 2017 GRC cycle. TURN argued that the Commission twice recently rejected appeals for a third post-test year; the record contains no evidence in support of a third post-test year; and extending this GRC to 2020 would delay PG&E's first RAMP filing by a year. Other parties also opposed a third post-test year, including CAUSE, A4NR, and CFC. Later, TURN opposed the recommendation of ORA and PG&E that the PD (which proposed to reject the third post-test year as premature) be modified to find the 2019 attrition adjustment reasonable for 2020 if the Commission adopts a four-year GRC cycle prior to PG&E's next GRC filing.</p> <p>In D.17-05-013, the Commission declined to change the term of this GRC from three years to four years. The Commission pointed to D.16-06-005, issued in R.13-11-006, in which it determined that changing the GRC cycle was premature because of the status of the first S-MAP applications and RAMP, and noted that the first RAMP is only just beginning. It</p>	<p><i>Third Post-Test Year</i></p> <ul style="list-style-type: none"> • D.17-05-013, pp. 197-198, pp. 229-230 • Joint Motion, p. 55 • Settlement Agreement, Section 4.1 • TURN/CAUSE Comments on Contested Issues, filed Aug. 18, 2016, pp. 2-10 • TURN Reply Comments on Contested Issues, filed Aug. 25, 2016, pp. 3-11 • TURN Reply Comments on the PD, filed 3/27/17, pp. 1-2 <p><i>Gas Leak Management Balancing Account</i></p> <ul style="list-style-type: none"> • D.17-05-013, pp. 200, 230 • Joint Motion, p. 55 • Settlement Agreement, Section 4.2 • TURN/CAUSE Comments on Contested Issues, filed Aug. 18, 2016, pp. 10-17 • TURN Reply Comments on Contested Issues, filed Aug. 25, 2016, pp. 11-17 • TURN Reply Comments on the PD, filed 3/27/17, pp. 2-4 (opposing the changes advocated by PG&E, EDF, and CUE) 	

also noted the forthcoming report from Energy Division in R.13-11-006, which will address the merits of moving toward a longer GRC cycle, to be followed by Commission decision. The Commission concluded that it should not prejudge the outcome of that process here. The Commission also agreed with TURN (and A4NR) that it was unnecessary and inappropriate to address the revenue requirement for 2020 in this proceeding.

Gas Leak Management Balancing Account

TURN opposed the proposal of PG&E, EDF, and CUE to establish a balancing account to record costs to comply with gas leak management requirements that may emerge from R.15-01-008. TURN argued that it would be inappropriate and unnecessary to establish a balancing account, or indeed any type of ratemaking account, in this proceeding to track costs that are not the subject of this GRC, and are yet to be identified and authorized in Rulemaking 15-01-008. TURN suggested that the proper costs and any necessary cost recovery mechanism – whether a balancing account, a memorandum account, or some other mechanism – should be addressed in R.15-01-008, the proceeding that is addressing the underlying work to be done. CAUSE and CFC also opposed this proposal.

In D.17-05-013, the Commission agreed with TURN that this proceeding is the wrong forum to determine cost recovery for these costs. The Commission explained, “We conclude that we should not decide this question in this GRC

decision because it is now actively pending in R.15-01-008. The proposal to adopt the new balancing account is denied without prejudice.”		
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B. Duplication of Effort (§ 1801.3(f) and § 1802.5):

	Intervenor’s Assertion	CPUC Discussion
a. Was the Office of Ratepayer Advocates (ORA) a party to the proceeding?²	Yes	
b. Were there other parties to the proceeding with positions similar to yours?	Yes	
c. If so, provide name of other parties: In addition to ORA, TURN had similar positions on one or more issues as the following parties: Alliance for Nuclear Responsibility (A4NR); Coalition of California Utility Employees (CUE); Collaborative Approaches to Utility Safety Enforcement (CAUSE); Consumer Federation of California (CFC); the National Diversity Coalition (NDC), which was represented by the National Asian American Coalition (NAAC); and the three Irrigation Districts, South San Joaquin, Merced, and Modesto.		
d. Intervenor’s claim of non-duplication: TURN’s work in a GRC is typically coordinated with other like-minded groups, and this case was no different. Our time records include a number of entries (all of those coded as “Coord” and also embedded in some of those coded “GP”) for efforts devoted to communicating with the other intervenors about matters such as procedural strategies and issue area allocation. As is our regular practice in GRC-type proceedings, TURN closely coordinated with ORA from the earliest stages of the GRC in order to avoid and minimize duplication. Avoiding duplication entirely with ORA is nearly impossible (since the staff seeks to address nearly all issue areas covered by the utility application). Therefore the coordination effort with ORA aims to minimize duplication, and to ensure that where such duplication occurs TURN’s witnesses are presenting distinct and unique arguments in support of the common or overlapping recommendations. As a result, the Commission ended up with a more robust record. TURN also worked to coordinate with the other parties with whom we had common interests and/or overlapping positions to avoid undue duplication where possible.		

² The Division of Ratepayer Advocates was renamed the Office of Ratepayer Advocates effective September 26, 2013, pursuant to Senate Bill No. 96 (Budget Act of 2013: public resources), which was approved by the Governor on September 26, 2013.

For instance, TURN coordinated with A4NR on issues related to Diablo Canyon and the contested third post-test year issue. TURN coordinated with CUE on PG&E's proposal to close 26 customer service offices. TURN coordinated with CAUSE on issues related to safety and risk, and we filed joint comments on the two contested settlement issues. TURN coordinated with CFC on issue coverage in general. TURN also coordinated with NDC via NAAC on issues related to STIP and executive compensation. Finally, we conferred with the South San Joaquin, Merced, and Modesto Irrigation Districts about our shared interests in customer retention costs, resulting in TURN's leaving that issue to them to address in testimony.

In sum, the Commission should find that TURN's participation was efficiently coordinated with the participation of other intervenors wherever possible, so as to avoid undue duplication and to ensure that any such duplication served to supplement, complement, or contribute to the showing of the other intervenor. And consistent with such a finding, the Commission should determine that all of TURN's work is compensable consistent with the conditions set forth in Section 1802.5.

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

#	Intervenor's Comment	CPUC Discussion

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

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

a. Intervenor's claim of cost reasonableness:	CPUC Discussion
<p>TURN's request for intervenor compensation seeks an award of approximately \$1.4 million as the reasonable cost of our participation in the proceeding. In light of the scope and quality of TURN's work, and the benefits achieved through TURN's participation in the proceeding, the Commission should have little trouble concluding that the amount requested is reasonable.</p> <p>The requested compensation amount is a very small fraction of the savings directly and indirectly attributable to TURN's work. TURN's efforts in this proceeding, taken together with the other parties to the Settlement Agreement, will save ratepayers \$750 million over the 2017 GRC cycle.³ As described above in the substantial contribution section, TURN can take credit for a substantial portion of this reduction. Moreover, TURN's efforts resulted in customer service benefits, particularly for the customers who use the 26 customer service offices that will stay open for the time being. TURN's efforts related to risk management</p>	

³ TURN provides these calculations in the section above discussing TURN's substantial contribution on the Overall Revenue Requirement for 2017, 2018, and 2019. In sum, \$750 million = (\$231 million x 3 years) + (\$25 million x 2 years) + (\$7 million x 1 year).

<p>and deferred work deemed necessary for safe and reliable service will also provide enhanced spending accountability for PG&E, to the benefit of ratepayers.</p> <p>The total amount of TURN's request is also reasonable in light of recent awards of compensation to TURN for work in the PG&E 2014 GRC and the SCE 2015 GRC. The Commission in D.15-08-023 awarded TURN approximately \$1.5 million in the PG&E 2014 GRC, and in D.16-04-011, approximately \$1.6 million in the SCE 2015 GRC. The similarity in dollar amount, despite the fact that this GRC settled while the other two did not, reflects several factors. First, TURN presented more volumes of testimony, sponsored by more witnesses, in this proceeding.⁴ Second, settlement negotiations were extremely time-intensive for TURN attorneys, primarily Ms. Goodson, who devoted 185 hours to this activity. Finally, the work done in those other cases was in 2012-2014 for the PG&E 2014 GRC and in 2013-2015 for the SCE 2015 GRC. The hourly rates for TURN's experts and attorneys were lower in those earlier GRCs than for most of the work requested here, with the exception of TURN's time in 2015 here and in 2015 in the SCE 2015 GRC.</p>	
<p>b. Reasonableness of hours claimed:</p> <p>TURN seeks compensation for approximately 4,800 hours of time devoted to this proceeding by our staff attorneys, staff expert, and outside consultants. The collective efforts of this team resulted in thirteen volumes of testimony, a settlement agreement adopted by the Commission in D.17-05-013 that reflects many of the recommendations presented by TURN, and the Commission's adoption of TURN's positions on the two non-settled issues. In the sections that follow, TURN describes the contributions of all members of our team and why the Commission should find that the hours incurred were reasonable, in light of our substantial contribution described in Section II above.</p> <p><u>TURN Attorneys</u></p> <p>Hayley Goodson served as TURN's lead and coordinating attorney throughout this proceeding. She also was responsible for covering several substantive issue areas, including post-test year ratemaking, customer deposits and cash working capital, and portions of customer care, HR, A&G, and electric distribution. Ms. Goodson additionally prepared and sponsored testimony as a TURN witness herself (Exhibit TURN-7). Finally, Ms. Goodson was TURN's lead representative throughout settlement negotiations, which lasted three months. Ms. Goodson's timesheets reflect this time commitment and the leading role played by TURN (with ORA) in negotiations. TURN seeks compensation for just over 500 of Ms. Goodson's hours here, or the equivalent of approximately 13 weeks of full-time work. While Ms. Goodson's hours are significant because of the extensive settlement negotiations, TURN notes that the time required of TURN's other attorneys who were much less active in negotiations was significantly lower</p>	

⁴ TURN presented 13 volumes of testimony sponsored by 12 witnesses here. In the PG&E 2014 GRC, TURN presented 10 volumes of testimony sponsored by 9 witnesses. In the SCE 2015 GRC, TURN presented 9 volumes of testimony sponsored by 8 witnesses.

because the case settled before going to evidentiary and briefing. Those activities tend to require significant time commitments from TURN's attorneys, which were avoided by the successful settlement negotiations.

Six other TURN staff attorneys worked on this PG&E GRC: Tom Long, Robert Finkelstein, Marcel Hawiger, Matthew Freedman, Elise Torres, and Nina Suetake.

Mr. Long, TURN's Legal Director, was very active throughout this proceeding. He covered gas distribution, safety and risk, and other policy and ratemaking issues. He also sponsored testimony on PG&E's quantitative risk models, PG&E's deferral of work based on reprioritization, and gas distribution recordkeeping, Ex. TURN-1. And he worked closely with Ms. Goodson throughout settlement negotiations, particularly as negotiations pertained to his particular issue areas. TURN seeks compensation for approximately 420 of his hours here.

Mr. Finkelstein covered depreciation, corporate real estate, portions of A&G, miscellaneous revenues, and other policy and cost-of-service issues. He additionally prepared and sponsored testimony, Exhibit TURN-10, and worked closely with Ms. Goodson throughout settlement negotiations. TURN seeks compensation for approximately 290 of his hours here.

Mr. Hawiger, Mr. Freedman, Ms. Torres, and Ms. Suetake each covered discrete issue areas. Mr. Hawiger covered portions of electric distribution and customer care, as well as affordability issues. Mr. Hawiger also addressed the gas leak management issues with overlaps between this proceeding and R.15-01-008, where he has represented TURN. Mr. Freedman covered generation, particularly issues related to Diablo Canyon, an area in which he has particular expertise and extensive experience. Ms. Torres covered incentive compensation, and also helped with other HR and A&G issues. Ms. Suetake joined the GRC team in the spring of 2016, and took over responsibility for certain electric distribution, generation, HR, and A&G issues. The hours sought for each of these TURN attorneys are reasonable given the scope of their issue coverage in the proceeding.

TURN submits that our recorded attorney hours in this proceeding are reasonable, both as described above and as demonstrated in the wide-ranging substantial contribution TURN made in this proceeding. Therefore, TURN seeks compensation for all of the hours recorded by our attorneys and included in this request.

TURN Expert Eric Borden

Mr. Borden is TURN's in-house energy analyst who joined TURN in February 2015. Prior to TURN, Mr. Borden worked as a consultant in energy and finance for approximately seven years.

In this proceeding, Mr. Borden conducted discovery and analysis, and prepared testimony, Exhibit TURN-4, addressing several electric distribution topics, as well as one gas distribution topic. Specifically, Mr. Borden addressed various topics in PG&E-4, Chapter 13, "Electric Distribution Capital," PG&E-4, Chapter 17, "New Business and Work at the Request of Others," and one topic in PG&E-3, Chapter

8 related to forecast of new non-residential gas meters. Within these chapters, Mr. Borden analyzed expenditures related to distribution substation capacity projects (MWC 46), including adjustments to protect ratepayers from funding the same projects twice, as well as a new cost category, “Unidentified, Emergent Work,” for forecast years 2015-2017. Mr. Borden’s testimony sought to demonstrate why disallowances from 2015-2017 of \$53 million, \$57 million, and \$76 million, respectively, were necessary.

Among other issues, Mr. Borden provided analysis on historical forecasts versus actual expenditures for distribution capacity projects, as well as project-level expenditures that were not warranted, and a new category of distribution capacity forecasting. Further, he closely scrutinized PG&E pilot data to demonstrate why the utility’s volt-var optimization (VVO) program was unlikely to be cost-effective. And finally, he analyzed PG&E’s regression model and various inputs to forecast new non-residential customers, arguing a lower non-residential meter forecast was more reasonable than PG&E’s forecast. TURN requests compensation for approximately 230 hours of Mr. Borden’s time.

Mr. Borden’s work was distinct from TURN’s other witnesses who addressed electric distribution issues, The Wired Group and Garrick Jones of JBS Energy. The Wired Group addressed the Distributed Energy Resource Integration Capacity (DERIC) program, part of MWC 06 presented in PG&E-4, Chapter 13. Mr. Borden addressed the same cost category and chapter, but his recommendations related solely to PG&E’s Volt-var optimization (VVO) program from this section, which is distinct from the DERIC program. Mr. Borden’s work was also distinct from that of Mr. Jones; the two addressed completely different chapters of Exhibit PG&E-4.

TURN Outside Consultants

JBS Energy

JBS Energy once again played an instrumental role in TURN’s participation in this GRC by covering a broad array of issues, and conducting an in-depth review of past spending patterns and forecasts for this GRC.

The members of JBS Energy engaged in a thorough review of a broad array of issues, with a correspondingly substantial number of hours invoiced for the associated work of JBS Energy. This work was a critical part of TURN’s success in this proceeding. In light of the breadth of TURN’s substantial contribution and the dollar impact of many of our positions reflected in the settlement agreement, the Commission should have little trouble concluding that the requested number of hours and the associated intervenor compensation is a very cost-effective investment for PG&E’s ratepayers.

Four members of JBS Energy’s staff worked on the PG&E GRC on behalf of TURN, with three of them sponsoring testimony. William Perea Marcus’s testimony, Exhibit TURN-6, covered generation, HR, A&G (other than incentive compensation), customer deposits, cash working capital, and depreciation related to generation. Garrick Jones prepared and sponsored Exhibit TURN-3, which addressed a range of electric distribution issues, including issues with IT

crossover, such as mapping. Mr. Jones also assisted with analysis and discovery on HR, A&G, risk, and integrated planning. And John Sugar sponsored separate testimony on gas distribution and compensation issues, covered in Exhibits TURN-2 and TURN-9, respectively. Last but certainly not least, Greg Ruszovan has highly-developed data analysis, compilation and presentation skills, and played a critical role in developing and performing some of the analysis reflected in the testimony sponsored by other JBS Energy firm members. The Commission should find reasonable the requested amounts for the members of JBS Energy.

Jeffrey Nahigian

Jeffrey Nahigian, a long-time member of the JBS Energy firm now providing consulting services on his own, assisted TURN in reviewing PG&E's customer service and corporate real estate requests. Mr. Nahigian has covered these subject matters on behalf of TURN in a number of prior GRCs. Mr. Nahigian conducted discovery, prepared testimony, and assisted TURN during settlement negotiations regarding customer service and corporate real estate issues. He addressed both of these issue areas in Exhibit TURN-8. Mr. Nahigian also worked together with TURN attorney Hayley Goodson to analyze one of PG&E's customer service requests, the proposal to close 26 customer service offices. Mr. Nahigian and Ms. Goodson jointly sponsored Exhibit TURN-7, in which TURN opposed these closures.

Roger D. Colton, Fisher, Sheehan & Colton

TURN provided a first-of-its-kind analysis of the affordability of PG&E's current rates, and its proposed rate increase, for residential customers, in testimony prepared by Roger D. Colton of Fisher, Sheehan & Colton, Exhibit TURN-13. TURN offered this testimony in response to PG&E's claim that the average bills resulting from its GRC request would still be below the national average, and its suggestion that the California Alternate Rates for Energy (CARE) and Family Electric Rate Assistance (FERA) programs can address the affordability challenges faced by its customers. (Ex. PG&E-1, pp. 1-6 to 1-8).

Mr. Colton, a national expert on low-income utility issues (as explained below in Section III.C, Comment 3), examined the rates and usage of PG&E residential customers relative to the usage of residential customers elsewhere, recognizing that overall bills are a function not merely of rates but of usage as well, and examined the affordability of PG&E electric bills for customers with incomes above 200% of the Federal Poverty Level. His analysis additionally explained the need to take cost-of-living into account in examining the affordability of utility bills because the cost-of-living in California is substantially higher than elsewhere in the country. Mr. Colton found that even moderate income customers in PG&E's service territory have insufficient incomes to meet the cost-of-living in their respective communities as measured by the Self-Sufficiency Income. Thus, the unaffordability of PG&E bills is not limited to low-income customers. Finally, he examined the relative ability of PG&E customers to maintain service rather than facing the disconnection of service for nonpayment, or face unpaid account balances leading to various nonpayment collection activities. His examination of the extent to which PG&E customers fail to pay their bills showed that PG&E falls into the lower tiers of utility performance nationwide. Similarly,

once they fall into arrears, PG&E customers have a more difficult time getting out of arrears to prevent the disconnection of service for nonpayment. Mr. Colton found that PG&E falls well into the bottom half of utilities nationwide with respect to the degree the utility is forced to utilize service disconnections as the collection activity of last resort. Based on his analysis, Mr. Colton concluded that PG&E can make no special claim to having affordable bills for residential customers, and that further increases in PG&E rates will result in a further performance decline on each affordability factor he studied.

Section 3.2.4.10 of the Settlement Agreement requires PG&E to provide certain information as part of its showing in its next GRC that will assist the Commission and parties in analyzing the affordability of PG&E's rate request. Such information includes, but is not limited to, cost of living data for each county in PG&E's service territory, as compared to the national average, for at least the five most recent years with available cost of living data. As demonstrated in Ex. TURN-13, cost of living varies significantly across the counties in PG&E's service territory. Because of this variation, any meaningful consideration of economic circumstances, and how those circumstances inform the affordability of proposed rate increases, must consider county-level cost of living data, not simply service territory-wide data. Hence, the information to be provided by PG&E in its next GRC will facilitate the kind of analysis conducted by Mr. Colton for TURN in this proceeding, to the benefit of the Commission and PG&E's ratepayers.

The Wired Group

In this rate case, PG&E proposed a first-in-kind Distributed Energy Resource Integration Capacity ("DERIC") program, with a forecast three-year capital budget of about \$100 million, intended to pre-emptively reconductor certain circuits, upgrade certain substations, and upgrade certain capacitor banks and voltage regulation devices, with the ostensible goal of preventing potential future voltage or reliability problems as a result of high penetration levels of distributed generation.

Due to the significant policy and economic implications of this program, especially in light of policies concerning DER integration capacities being debated in the distributed resources plan rulemaking 14-08-013, TURN retained the services of the Wired Group to evaluate PG&E's request. The Wired Group is a consulting firm specializing in the evaluation of utility distribution system performance, and specifically evaluating the performance and potential of smart grid, demand response and distributed energy investments and opportunities. The Wired Group consults primarily for consumer and environmental advocates and for utility regulatory staff.

Experts Paul Alvarez, Dennis Stephens and Thomas Carter from The Wired Group devoted approximately 240 hours (160.75, 71 and 10 hours respectively) to conduct detailed discovery and prepare expert testimony concerning the DERIC program. Their testimony was identified as Exhibit TURN-5 in this proceeding. Mr. Alvarez and Mr. Stephens have not previously testified before the CPUC.

After fifteen years in product development and product management for Fortune 500 companies, Mr. Alvarez joined Xcel Energy in 2001 to oversee the

development of energy efficiency and demand response programs for residential and commercial and industrial customers, as well as programs in support of voluntary renewable energy purchases and renewable portfolio standard compliance. After leaving Xcel in 2008, Mr. Alvarez went to private consulting where he conducted comprehensive evaluations of smart grid deployment performance in Colorado and Ohio. Mr. Alvarez founded the Wired Group in 2012 to focus exclusively on distribution utility performance measurement and utility customer value creation. He is the author of *Smart Grid Hype & Reality: A Systems Approach to Maximizing Customer Return on Utility Investment* (2014). Mr. Alvarez was the lead in developing discovery questions, analyzing data and writing testimony addressing policy issues and cost/benefit analyses regarding PG&E's DERIC program and alternative investments.

Mr. Stephens is a consultant with the Wired Group. He worked as an electrical engineer in distribution operations for Xcel Energy from 1975 to 2011. During that 35-year tenure he held a series of positions with increasing responsibility in areas of distribution design, planning, operations management, asset management, and the innovative use of technology to assist with these functions. As Director of Utility Innovations he worked with many software providers, including ABB, IBM, and Siemens, helping them develop distribution automation ideas into practical software applications of value to grid owners and operators. In 2009, he established a DER integration strategy and capability road-map for Xcel Energy. The technical project components focused on Boulder, which had the highest concentration of PV solar installations in Xcel Energy's eight-state electric service area. In this proceeding, Mr. Stephens conducted the analyses and wrote testimony concerning the technical grid distribution issues addressed by PG&E's DERIC program. Mr. Stephens analyzed the ostensible problems resulting from integrating distributed generation on PG&E's system and analyzed the technical need for the preemptive asset investments proposed as part of the DERIC program.

Mr. Carter is also a technical consultant for the Wired Group. Mr. Carter has over 30 years' experience developing and managing conservation, load management, and renewable energy programs for investor-owned utilities. Along with the marketing aspects of these programs he also managed technical electric and data communications issues between equipment vendors and distribution grid operations and planning. Mr. Carter has served as technical liaison with a variety of stakeholders in developing and securing approval for conservation and load management programs in New Mexico, Texas, and Colorado. Mr. Carter has testified and presented evidence before the Colorado Public Utility Commission. He is a veteran of the U.S. Air Force, and holds a Bachelor's degree in Electrical Engineering from the University of Colorado. Mr. Carter provided limited technical support in developing analyses and testimony but did not submit expert testimony under his own name.

As shown in the detailed resumes of witnesses Alvarez and Stephens in Exhibit TURN-5, these two witnesses are not only experts in distribution asset evaluation and distribution operations, but have specific technical expertise in evaluating smart grid solutions intended to optimize the use of distributed energy resources.

While normally TURN might not devote such detailed attention to one program

that comprises about \$22 million in capital spending for the test year, the potential implications of the DERIC program warranted the use of consultants with engineering and program evaluation expertise to analyze the reasonableness of the DERIC program. The DERIC program addressed only upgrade 506 of PG&E's 3200 circuits and 5 of its 900 substations; so continuation of this program to upgrade all circuits and substations would potentially cost billions of dollars in the future. Mr. Alvarez and Mr. Stephens demonstrated that the proposed asset investments were premature, and that PG&E had been able to successfully integrate distributed energy resources using its traditional distribution interconnection planning and upgrade procedures without incurring any problems. As explained in the substantial contribution section above, Section 3.1.3 of the Settlement Agreement reduced PG&E's 2017 capital forecast by \$40.5 million for capacity projects, including those in support of the DERIC program.

Catherine Yap of Barkovich & Yap

Catherine Yap, a principal of Barkovich & Yap, presented TURN's analysis and recommendation associated with post-test year ratemaking and attrition increases. Ms. Yap played a critical role not only in the development and presentation of TURN's position in testimony, Ex. TURN-12, but also with assisting TURN during settlement negotiations, both related to post-test year ratemaking and the RO Model. Ms. Yap additionally assisted TURN during the workshop at the beginning of the proceeding, where the RO Model was at issue, and during the workshop/evidentiary hearings held following the submission of the settlement agreement, during which post-test year ratemaking was an issue of focus. TURN requests slightly less than 250 hours in total for the work of Ms. Yap in this proceeding. The Commission should find reasonable the requested amount for her work.

Snavely, King, Majoros, & Associates

TURN relied on Snavely, King, Majoros & Associates for the development and presentation of TURN's depreciation testimony in this proceeding, Exhibit TURN-11. This was a return engagement for the firm, as it had provided expert witness services to TURN in several prior GRC proceedings during the 2000s. Michael Majoros, the firm's principal who had served as TURN's witness in the past, generally supervised the work of James Garren, a more junior firm member who performed the bulk of the analysis and testimony development. The total number of hours for members of Snavely King for their work in this proceeding is substantially lower than the figure included in TURN's other relatively recent GRC proceedings for major energy utilities (223 total hours here as compared to approximately 300 hours in the PG&E 2014 GRC, for example). Consistent with their roles on this project, Mr. Garren recorded the majority of the hours.

TURN seeks compensation for the hours associated with work on depreciation-related issues. This includes the hours billed to TURN Snavely, King, Majoros & Associates, and the hours recorded by TURN's staff attorney Finkelstein who handled the issue on behalf of TURN. Given TURN's substantial contribution on depreciation-related issues in the overall settlement context, the Commission should find reasonable all of the hours requested for work on those issues.

Other Issues

Review of PG&E's Post-D.17-05-013 Compliance Advice Letters

TURN has also included a very limited number of hours devoted to reviewing PG&E's Advice Letter 3851-G/5087-E, filed in compliance with D.17-05-013 on June 12, 2017. In that advice letter, PG&E provided "positive proof" that the revenue requirement adopted in D.17-05-013 is still just and reasonable, despite PG&E's announcement of \$300 million in budget cuts in January 2017, after the submission of the proposed settlement agreement. TURN submits that these 2 hours should be compensable, even though we ultimately determined that further action was unnecessary, because reviewing PG&E's showing was an important element of the case.

Meetings or Discussions Involving More Than One TURN Attorney or Expert

A relatively small percentage of hours and hourly entries reflect internal and external meetings involving two or more of TURN's attorneys and expert witnesses. In past compensation decisions, the Commission has deemed such entries as reflecting internal duplication that is not eligible for an award of intervenor compensation. This is not the case here. For the meetings that were among TURN's attorneys and expert witnesses, such meetings are essential to the effective development and implementation of TURN's strategy for this proceeding. None of the attendees are there in a duplicative role – each is an active participant, bringing his or her particular knowledge and expertise to bear on the discussions. As a result, TURN is able to identify issues and angles that would almost certainly never come to mind but for the "group-think" achievable in such settings.

There were also meetings with other parties at which more than one attorney represented TURN on occasion. The Commission should understand that this is often essential in a case such as this one, with a wide range of issues that no single person is likely to master. TURN's requested hours do not include any for a TURN attorney or expert witness where his or her presence at a meeting was not necessary in order to achieve the meeting's purpose. TURN submits that such meetings can be part of an intervenor's effective advocacy before the Commission, and that intervenor compensation can and should be awarded for the time of all participants in such meetings where, as here, each participant needed to be in the meeting to advance the intervenor's advocacy efforts.

Intervenor Compensation-Related Time

TURN is requesting compensation for 25 hours devoted to compensation-related matters, primarily 23.5 hours associated with preparation of this request for compensation. This request includes 22 hours of Ms. Goodson's time. Given her extensive knowledge of all aspects of this proceeding, she was the most efficient choice to prepare this request. Mr. Hawiger also contributed 1.5 hours of work on this compensation request, specifically related to the reasonableness of hours and hourly rates requested for the Wired Group, whose work Mr. Hawiger directly managed for TURN. The remaining 1.5 hours were associated with Ms. Goodson's preparation of TURN's NOI in 2015 and subsequent amendment to

TURN's NOI in early 2016. TURN was in the process of updating our Bylaws and Articles of Incorporation at the time we filed our original NOI on November 30, 2015. Because those documents had not been finalized by TURN's Board of Directors, TURN indicated that it would amend its NOI as soon as those documents became available, and did so on January 6, 2016.

While higher than the number of hours TURN tends to seek for compensation-related matters, this is a reasonable figure in light of the size and complexity of the request for compensation itself. The number of hours devoted to a request for compensation is driven in large part by the number of individuals and daily time entries involved in the substantive work. For example, the greater the number of individuals and associated time entries, and the greater the likelihood that the request will need to address a new hourly rate for some of those individuals. In this case, TURN additionally needed to present a showing supporting first-time hourly rates for several of our new expert witnesses. TURN's request for compensation for 23.5 hours for preparation of this claim falls well within the range of hours found reasonable by the Commission in decisions addressing TURN's intervenor compensation requests in recent GRCs. *See* D.13-08-022 (SCE 2012 GRC), awarding compensation for 28.25 hours for claim preparation; D.14-05-015 (Sempra Utilities 2012 GRC), awarding compensation for 24.5 hours for claim preparation; D.15-08-023 (PG&E 2014 GRC), awarding compensation for 28.5 hours for claim preparation; D.16-04-011 (SCE 2015 GRC), awarding compensation for 21.25 hours for claim preparation; and D.16-11-004 (Sempra 2016 GRC), awarding compensation for 20 hours for claim preparation.

Reasonableness of TURN's Direct Expenses

TURN includes within this request our direct expenses associated with photocopies, postage, telephone expense, and legal research through Lexis, totaling \$301.39. TURN's expenses are significantly lower than is typical for a GRC because the proceeding settled before evidentiary hearing, which avoided much of the copying expenses associated with hearing exhibits and lengthy post-hearing briefs. For instance, in the most recently completed SCE GRC, A.13-11-003, TURN requested and received compensation for \$2,688.82 in copying expense, compared to our copying costs of \$55.15 here. *See* D.16-04-011, p. 24. The Commission should find that our very modest direct expenses are reasonable and award compensation.

c. Allocation of hours by issue:

TURN has allocated all of our attorney and consultant time by issue area or activity, as is evident on our attached timesheets (Attachment 2) and in Attachment 4, which shows the allocation of TURN's time included in this request by attorney or expert and issue / activity area. The following codes relate to specific substantive issue and activity areas addressed by TURN.

Code	Description	Allocation of Time	Hours
#	The work in in this category pertained to substantive issues but was not specific to any one issue area addressed by TURN.	2.60%	125.28
A&G	Work related to Administrative and General issues	1.75%	84.23
Afford	Work related to affordability issues associated with PG&E's request.	3.46%	166.50
AL	Review of PG&E's post-D.17-05-013 Advice Letter regarding the \$300 budget reduction it announced in January 2017	0.04%	2.00
Coord	Work related to coordinating with other intervenors	0.35%	16.75
CustSvc	Work related to PG&E's Customer Care requests	7.97%	383.75
DefWk	Work related to deferred work and reprioritization	0.42%	20.36
Dep	Work related to Depreciation	5.54%	266.75
ElecDist	Work related to Electric Distribution	24.06%	1158.42
GasDist	Work related to Gas Distribution	19.45%	936.58
Gen	Work related to Energy Supply	1.54%	74.25
GP	The work in this category includes activities associated with general participation in this proceeding, such as the initial review of the application and testimony, preparing a protest, attending the PHC, reading ALJ procedural rulings, and reading parties' pleadings as necessary to determine whether TURN should address the issues raised.	1.93%	92.83
HR	Work related to Human Resources issues	3.91%	188.14
JCE	Work related to preparing TURN's portion of the Joint Comparison Exhibit	1.62%	78.14
Non-Sett	Work related to the two issues not resolved by the Settlement Agreement (the third post-test year and gas leak management balancing account)	0.77%	37.25
PD	This work was related to the Proposed Decision and Alternate Proposed Decision which preceded D.17-05-013.	1.33%	64.08
PTYR	Work related to Post-Test Year Ratemaking	4.95%	238.25
RBO	Work related to rate base issues, customer deposits, and other technical and accounting issues (with the exception of depreciation)	1.74%	83.92
Risk/Plan	Work related to risk management and integrating planning	1.80%	86.88

Sett	Work related to settlement negotiations	8.56%	411.94
ShdSvc	Work related to Shared Services	4.92%	236.77
WS/EH	The work in this category was related to participation in workshops and evidentiary hearings conducted by the Commission in this proceeding.	0.76%	36.75
Comp	Intervenor Compensation: work preparing TURN's NOI and Request for Compensation	0.52%	25.00
TOTAL		100.00%	4814.82

If the Commission believes that a different approach to issue-specific allocation is warranted here, TURN requests the opportunity to supplement this section of the request.

B. Specific Claim:*

CLAIMED						CPUC AWARD		
ATTORNEY, EXPERT, AND ADVOCATE FEES								
Item	Year	Hours	Rate \$	Basis for Rate*	Total \$	Hours	Rate \$	Total \$
Hayley Goodson, TURN Attorney	2015	74.50	\$355	D.16-10-036	\$26,447.50			
Hayley Goodson, TURN Attorney	2016	393.75	\$380	D.17-03-022	\$149,625.00			
Hayley Goodson, TURN Attorney	2017	36.50	\$405	Res. ALJ-345 (2.14% COLA, plus first 5% step increase in the 13+ year experience tier, rounded to nearest \$5)	\$14,782.50			
Robert Finkelstein, TURN General Counsel	2015	5.00	\$505	D.16-11-004	\$2,525.00			
Robert Finkelstein, TURN General Counsel	2016	264.75	\$510	D.16-11-004	\$135,022.50			
Robert Finkelstein, TURN General	2017	18.50	\$520	Res. ALJ-345 (2.14% COLA rounded to	\$9,620.00			

Counsel				nearest \$5)				
Matthew Freedman, TURN Attorney	2015	8.75	\$410	D.16-06-024	\$3,587.50			
Matthew Freedman, TURN Attorney	2016	24.25	\$415	D.16-06-024	\$10,063.75			
Marcel Hawiger, TURN Attorney	2015	33.50	\$410	D.16-11-016	\$13,735.00			
Marcel Hawiger, TURN Attorney	2016	136.25	\$415	D.16-06-024	\$56,543.75			
Marcel Hawiger, TURN Attorney	2017	2.50	\$425	Res. ALJ-345 (2.14% COLA rounded to nearest \$5)	\$1,062.50			
Thomas J. Long, TURN Legal Director	2015	86.50	\$570	D.16-11-004	\$49,305.00			
Thomas J. Long, TURN Legal Director	2016	326.25	\$575	D.16-11-004	\$187,593.75			
Thomas J. Long, TURN Legal Director	2017	8.25	\$585	Res. ALJ-345 (2.14% COLA rounded to nearest \$5, and consistent with the range for attorneys within the 13+ year experience tier)	\$4,826.25			
Nina Suetake, TURN Attorney	2016	69.75	\$350	See Comment #2	\$24,412.50			
Elise Torres, TURN Attorney	2015	13.50	\$215	D.16-04-037	\$2,902.50			
Elise Torres, TURN Attorney	2016	55.50	\$230	D.16-08-015	\$12,765.00			
Elise Torres, TURN Attorney	2017	1.50	\$245	Res. ALJ-345 (2.14% COLA, plus second 5% step increase in	\$367.50			

				the 3-4 year experience tier, rounded to nearest \$5)				
Eric Borden, TURN Expert	2015	28.50	\$180	D.16-05-015	\$5,130.00			
Eric Borden, TURN Expert	2016	203.50	\$190	D.17-04-032	\$38,665.00			
Paul Alvarez	2016	160.75	\$275	See Comment #4	\$44,206.25			
Thomas Carter	2016	10.00	\$225	See Comment #4	\$2,250.00			
Roger Colton	2015	23.00	\$250	See Comment #3	\$5,750.00			
Roger Colton	2016	116.00	\$250	See Comment #3	\$29,000.00			
James Garren	2016	172.00	\$145	See Comment #5	\$24,940.00			
Garrick Jones	2015	200.10	\$180	See Comment #7	\$36,018.00			
Garrick Jones	2016	445.15	\$190	See Comment #7	\$84,578.50			
Michael Majoros	2016	51.00	\$220	See Comment #5	\$11,220.00			
William Perea Marcus	2015	9.83	\$280	D.16-07-012	\$2,752.40			
William Perea Marcus	2016	140.16	\$280	D.16-06-024	\$39,244.80			
William Perea Marcus	2017	1.33	\$280	2016 Rate	\$372.40			
Jeffrey A. Nahigian	2015	65.00	\$215	See Comment #6	\$13,975.00			
Jeffrey A. Nahigian	2016	417.00	\$215	See Comment #6	\$89,655.00			
Greg Ruzovan	2015	1.42	\$215	D.16-11-004	\$305.30			
Greg Ruzovan	2016	21.45	\$215	D.16-11-004 (for 2015)	\$4,611.75			
Dennis Stephens	2016	71.00	\$225	See Comment #4	\$15,975.00			
John Sugar	2015	283.37	\$220	D.16-11-004	\$62,341.40			
John Sugar	2016	565.01	\$220	D.16-11-004 (for 2015)	\$124,302.20			
Catherine Yap	2015	99.25	\$280	D.16-04-011	\$27,790.00			
Catherine Yap	2016	145.50	\$280	D.17-04-014	\$40,740.00			
Total Hours		4789.82						
Subtotal: \$1,409,010.50						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 \$
Hayley Goodson	2015	1	\$177.50	50% of 2015 rate	\$177.50			
Hayley Goodson	2016	0.5	\$190.00	50% of 2016 rate	\$95.00			
Hayley Goodson	2017	22	\$202.50	50% of requested 2017 rate	\$4,455.00			
Marcel Hawiger	2017	1.5	\$212.50	50% of requested 2017 rate	\$318.75			
Total Hours		25						
Subtotal: \$5,046.25						Subtotal: \$		
COSTS								
#	Item	Detail	Amount	Amount				
	Photocopies	Copies related to A.15-09-001	\$55.15					
	Lexis Legal Research	Legal Research related to A.15-09-001	\$117.02					
	Telephone	Telephone expense related to A.15-09-001	\$116.17					
	Postage	Postage for mailing filings in A.15-09-001	\$13.05					
		Subtotal	\$301.39					
TOTAL REQUEST: \$1,414,358.14						TOTAL AWARD: \$		
<p>*We remind all intervenors that Commission staff may audit the records and books of the intervenors to the extent necessary to verify the basis for the award (§1804(d)). Intervenors must make and retain adequate accounting and other documentation to support all claims for intervenor compensation. Intervenors' records should identify specific issues for which it seeks compensation, the actual time spent by each employee or consultant, the applicable hourly rates, fees paid to consultants and any other costs for which compensation was claimed. The records pertaining to an award of compensation shall be retained for at least three years from the date of the final decision making the award.</p> <p>**Travel and Reasonable Claim preparation time are typically compensated at ½ of preparer's normal hourly rate</p>								

ATTORNEY INFORMATION			
Attorney	Date Admitted to CA BAR ⁵	Member Number	Actions Affecting Eligibility (Yes/No?) If “Yes”, attach explanation
Hayley Goodson	December 2003	228535	No
Robert Finkelstein	June 1990	146391	No
Matthew Freedman	March 2001	214812	No
Marcel Hawiger	January 1998	194244	No
Thomas Long	December 1986	124776	No
Nina Suetake	December 2004	234769	No
Elise Torres	December 2011	280443	No

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

Attachment or Comment #	Description/Comment
Attachment 1	Certificate of Service
Attachment 2	Timesheets for TURN’s Attorneys and Experts
Attachment 3	TURN Direct Expenses Associated with D.17-05-013
Attachment 4	TURN Hours Allocated by Issue
Comment 1	<p>2017 Hourly Rates for TURN Attorneys</p> <p><u>Hayley Goodson</u> For Ms. Goodson’s work in 2017, TURN seeks an hourly rate of \$405, an increase of 7.14% from the previously awarded rate of \$380 for 2016. This increase is the general 2.14% COLA provided for in Res. ALJ-345, plus the first of two 5% step increases for Ms. Goodson since her move into 13+ year experience tier, as authorized in Res. ALJ-345. <i>See also</i> D.17-03-022, p. 30 (recognizing Ms. Goodson’s move into the 13+ year experience tier).</p> <p><u>Elise Torres</u> For Ms. Torres’ work in 2017, TURN seeks an hourly rate of \$245, an increase of 7.14% from the previously awarded rate of \$230 for 2016. This increase is the general 2.14% COLA provided for in Res. ALJ-345, plus the second of two 5% step increases within the 3-4 year experience tier, authorized in Res. ALJ-345. <i>See also</i> D.16-08-015, pp. 11-12</p>

⁵ This information may be obtained through the State Bar of California’s website at <http://members.calbar.ca.gov/fal/MemberSearch/QuickSearch> .

	<p>(adopting a 2016 rate of \$230 for Ms. Torres, and reflecting TURN's explanation that this rate reflects the first of two 5% step increases within the 3-4 year experience tier).</p> <p><u>Robert Finkelstein, Marcel Hawiger, and Thomas Long</u></p> <p>TURN asks that the Commission adopt 2017 rates for Mr. Finkelstein, Mr. Hawiger, and Mr. Long, equal to their authorized 2016 rates, escalated by the 2.14% COLA adopted in Resolution ALJ-345.</p>
Comment 2	<p>2016 Hourly Rate for Nina Suetake</p> <p>TURN asks the Commission to adopt an hourly rate of \$350 for Ms. Suetake's work in 2016. This is the same rate requested by TURN in the Request for Intervenor Compensation we filed on August 30, 2016, in A.13-12-012 et al. for Contribution to Decisions D.14-11-041, D.15-06-035, and D.16-06-056. In that request, which is still pending, TURN presented the following showing in support of this requested rate:</p> <p>For Ms. Suetake's 2016 rate, TURN asks the Commission to adopt an hourly rate of \$350. Ms. Suetake is a 2004 law school graduate, was admitted to the California Bar in late 2004, and has worked on regulatory matters before the CPUC since that time. She became a TURN staff attorney in 2004, left TURN in 2014 to explore other options for CPUC regulatory work (as a staff attorney for a water utility), then rejoined the organization in 2016. For purposes of the hourly rate schedule established by the Commission, she is now in the 8-12 year experience band adopted in D.08-04-010.</p> <p>The Commission had previously authorized an hourly rate of \$320 for Ms. Suetake's work in 2013 (D.14-05-015). Applying the 2014 COLA of 2.56% results in a 2014 rate of \$330 (rounded to the nearest \$5 increment).⁶ The rate would have remained the same in 2015, when the COLA was 0%. For 2016, the Commission adopted a COLA of 1.28% (Res. ALJ-329). The hourly rate of \$350 for 2016 represents the COLA increase plus 5% for the first of the two "step" increases provided for within each experience band.⁷</p> <p>TURN reasonably believes the information here will be a sufficient showing in support of the requested increase. Should the Commission believe more or different information is warranted to provide further support for this request here, TURN requests that it be so notified and given the opportunity to supplement its showing.</p>
Comment 3	<p>Hourly Rate for Roger D. Colton of Fisher, Sheehan & Colton</p> <p>This TURN's first request for compensation that includes work performed by Roger</p>

⁶ \$320 times 1.0256 equals \$328.19. The compensation awards that included 2014 hours for Ms. Suetake used her 2013 authorized rate without a COLA increase because TURN tends to use the previous year's authorized rate where the number of hours in the following year is relatively small. D.15-08-016.

⁷ \$330 times 1.0628 equals \$350.72.

Colton, who served as TURN's witness on affordability issues. TURN requests an hourly rate of \$250 for Mr. Colton's work in this proceeding, which spanned 2015-2016. This is the hourly rate billed by Mr. Colton to TURN. The Commission has not previously adopted an authorized rate for this expert. In accordance with D.08-04-010, TURN demonstrates in this section that the requested hourly rates are within the adopted ranges and consistent with rates previously awarded to representatives with comparable training and experience.

Mr. Colton is by all accounts an expert on low-income utility issues. For more than 30 years, he has done regulatory work on rate and customer service issues, as well as research into low-income usage, payment patterns, and affordability programs, on behalf of government, nonprofit, and industry clients throughout the United States and Canada. Mr. Colton has served as an expert witness before legislative, regulatory, and judicial bodies on numerous occasions regarding energy, water and telecommunications issues affecting low-income customers, and has testified in regulatory proceedings in more than 30 states and various Canadian provinces. Mr. Colton has developed utility low-income assistance programs for utilities, and has been hired by various State and Federal government entities to develop low-income program evaluation tools, to study the health, and safety impacts of unaffordable home energy, as well as the impacts of unaffordable home energy on education, housing affordability, and economic development. He has a law degree and a Masters Degree in Regulatory Economics, and has published extensively on low-income utility and housing issues, in addition to preparing technical reports for clients on low-income utility issues. (See Ex. TURN-13, pp. 1-2). His CV appears as Appendix A to his testimony on behalf of TURN, Ex. TURN-13.

Mr. Colton's hourly rate of \$250 falls in the bottom third of the range of rates for 2015 and 2016 adopted by the Commission in Res. ALJ-345 for experts with more than 13 years of experience, \$170-\$420 (2015) and \$170-\$425 (2016).

For comparison's sake, TURN points the Commission to the hourly rates adopted for expert John Howat of the National Consumer Law Center (NCLC), whose experiences are similar to Mr. Colton's. Mr. Howat, like Mr. Colton, has extensive experience addressing utility regulatory issues impacting low-income customers across the United States. His work has focused on the design and implementation of low-income energy affordability and efficiency programs and outreach efforts, low-income regulatory consumer protection, rate design, issues related to metering and billing, development and analysis of utility arrearage and customer service data, energy burden analysis and related demographic analysis. He has appeared before a number of state utility commissions and authored resources for low-income utility customer advocates. Both Mr. Howat and Mr. Colton have been involved with low-income utility issues since the early 1980s. Mr. Howat, like Mr. Colton, has a Masters Degree, although Mr. Colton additionally has a law degree. (See NCLC's Request for Intervenor Compensation, filed in I.07-01-022 et al. on Oct. 24, 2008, Attachments 4, 5, and 6). In D.09-05-017, issued in I.07-01-022, the Commission adopted a 2007 hourly rate of \$230 and a 2008 hourly rate of \$235 for Mr. Howat. The Commission increased Mr. Howat's rate to \$240 for his work in 2012 in D.13-04-009.

	<p>If one were to apply the COLAs adopted by the Commission for 2013 (2%, per Res. ALJ-287), 2014 (2.58%, per Res. ALJ-303), 2015 (0%, per Res. ALJ-308), and 2016 (1.28%, per Res. ALJ-329), to Mr. Howat's 2012 rate of \$240, the result would be a \$250 rate in 2015 and a \$255 rate in 2016 (rounded to the nearest \$5).</p> <p>For all of these reasons, TURN submits that the Commission should find that an hourly rate of \$250 for Mr. Colton's work in 2015 and 2016 is reasonable.</p>
Comment 4	<p>Hourly Rates for The Wired Group Experts</p> <p>TURN requests that the Commission adopt an hourly rate of \$275 for Mr. Alvarez, \$225 for Mr. Stephens, and \$225 for Mr. Carter, which are the actual rates billed by the Wired Group for the services of these experts. The Commission has not previously adopted an authorized rate for these experts. In accordance with D.08-04-010, TURN demonstrates in this section that the requested hourly rates are within the adopted ranges and consistent with rates previously awarded to representatives with comparable training and experience.</p> <p>A detailed summary of the resumes of these experts is provided in the "Reasonableness of Hours" section above. Their complete resumes for Mr. Alvarez and Mr. Stephens are included as Appendices A and B to Exhibit TURN-5. Mr. Alvarez has over fifteen years of experience in the utility sector, including seven years working for Xcel Energy in product development for demand-side management products and services. Prior to his utility work, Mr. Alvarez had over fifteen years of experience in product management and product development with senior level positions at large Fortune 500 corporations. Mr. Stephens has over forty years' experience in the utility sector, including thirty-five years (1975-2011) working as an engineer with increasing responsibilities for Xcel Energy. Mr. Carter likewise has over thirty years of relevant technical experience in distribution asset management and load management.</p> <p>The requested hourly rates of \$275 and \$225 are thus at the low end of the approved range of \$170-\$425 for experts with more than 13 years of experience (Resolution ALJ-329, p. 4), reflecting the fact that the Wired Group charges discounted rates for consumer and environmental advocates.</p> <p>The requested hourly rates are comparable to rates adopted in 2014-2015 for experts with comparable experience, which range from about \$180 to \$335, as shown in the following excerpt from the hourly rate table:</p>

	<table border="1"> <thead> <tr> <th>Last Name</th><th>First Name</th><th>Type</th><th>Intervenor</th><th>Rate</th><th>Year</th><th>Decision #</th></tr> </thead> <tbody> <tr> <td>Baak</td><td>Jim</td><td>Expert</td><td>The Vote Solar Initiative (Vote Solar)</td><td>\$280</td><td>2014</td><td>D1506026</td></tr> <tr> <td>Barsimantov</td><td>James</td><td>Expert</td><td>Sierra Club</td><td>\$215</td><td>2014</td><td>D1507026</td></tr> <tr> <td>Binz</td><td>Ronald</td><td>Expert</td><td>Sierra Club</td><td>\$180</td><td>2014</td><td>D1510008</td></tr> <tr> <td>Brand</td><td>Erica</td><td>Expert</td><td>The Nature Conservancy</td><td>\$220</td><td>2014</td><td>D1510013</td></tr> <tr> <td>Brown</td><td>Michael</td><td>Expert</td><td>Small Business Utility Advocates (SBUA)</td><td>\$200</td><td>2015</td><td>D1512042</td></tr> <tr> <td>Contreras</td><td>Henry</td><td>Expert</td><td>Center for Accessible Technology (CforAT)</td><td>\$250</td><td>2014</td><td>D1503013; D1511036</td></tr> <tr> <td>Croyle</td><td>David</td><td>Expert</td><td>Utility Consumers' Action Network (UCAN)</td><td>\$235</td><td>2015</td><td>D1512040</td></tr> <tr> <td>Delfin-Polk</td><td>Dyana</td><td>Expert</td><td>Clean Coalition</td><td>\$200</td><td>2014</td><td>D1506027</td></tr> <tr> <td>Doherty</td><td>Patrick</td><td>Expert</td><td>Pacific Forest Trust (PFT)</td><td>\$285</td><td>2014</td><td>D1511039</td></tr> <tr> <td>Flaherty</td><td>Ryan</td><td>Expert</td><td>Sustainable Conservation</td><td>\$240</td><td>2015</td><td>D1508021</td></tr> <tr> <td>Hodges</td><td>James</td><td>Expert</td><td>Association of California Community and Energy Services (ACCES)</td><td>\$335</td><td>2014</td><td>D1506014</td></tr> <tr> <td>Marcus</td><td>William</td><td>Expert</td><td>The Utility Reform Network (TURN)</td><td>\$270</td><td>2015</td><td>D1510043; D1512043</td></tr> <tr> <td>Mitchell</td><td>Joseph</td><td>Expert</td><td>Mussey Grade Road Alliance</td><td>\$285</td><td>2014</td><td>D1503010; D1507030</td></tr> <tr> <td>Morris</td><td>Gregory</td><td>Expert</td><td>The Green Power Institute (Green Power) (GPI)</td><td>\$270</td><td>2015</td><td>D1509021</td></tr> <tr> <td>Moss</td><td>Steven</td><td>Expert</td><td>Environmental Defense Fund (EDF)</td><td>\$215</td><td>2014</td><td>D1509016; D1512041</td></tr> <tr> <td>Mulvaney</td><td>Dustin</td><td>Expert</td><td>Sierra Club</td><td>\$205</td><td>2014</td><td>D1507026</td></tr> <tr> <td>Prange</td><td>Jaclyn</td><td>Expert</td><td>Natural Resources Defense Council (NRDC)</td><td>\$245</td><td>2014</td><td>D1411018</td></tr> <tr> <td>White</td><td>Sahm/Ke nneth</td><td>Expert</td><td>Clean Coalition</td><td>\$295</td><td>2014</td><td>D1510044</td></tr> <tr> <td>Woodruff</td><td>Kevin</td><td>Expert</td><td>The Utility Reform Network (TURN)</td><td>\$250</td><td>2014</td><td>D1505026</td></tr> </tbody> </table>						Last Name	First Name	Type	Intervenor	Rate	Year	Decision #	Baak	Jim	Expert	The Vote Solar Initiative (Vote Solar)	\$280	2014	D1506026	Barsimantov	James	Expert	Sierra Club	\$215	2014	D1507026	Binz	Ronald	Expert	Sierra Club	\$180	2014	D1510008	Brand	Erica	Expert	The Nature Conservancy	\$220	2014	D1510013	Brown	Michael	Expert	Small Business Utility Advocates (SBUA)	\$200	2015	D1512042	Contreras	Henry	Expert	Center for Accessible Technology (CforAT)	\$250	2014	D1503013; D1511036	Croyle	David	Expert	Utility Consumers' Action Network (UCAN)	\$235	2015	D1512040	Delfin-Polk	Dyana	Expert	Clean Coalition	\$200	2014	D1506027	Doherty	Patrick	Expert	Pacific Forest Trust (PFT)	\$285	2014	D1511039	Flaherty	Ryan	Expert	Sustainable Conservation	\$240	2015	D1508021	Hodges	James	Expert	Association of California Community and Energy Services (ACCES)	\$335	2014	D1506014	Marcus	William	Expert	The Utility Reform Network (TURN)	\$270	2015	D1510043; D1512043	Mitchell	Joseph	Expert	Mussey Grade Road Alliance	\$285	2014	D1503010; D1507030	Morris	Gregory	Expert	The Green Power Institute (Green Power) (GPI)	\$270	2015	D1509021	Moss	Steven	Expert	Environmental Defense Fund (EDF)	\$215	2014	D1509016; D1512041	Mulvaney	Dustin	Expert	Sierra Club	\$205	2014	D1507026	Prange	Jaclyn	Expert	Natural Resources Defense Council (NRDC)	\$245	2014	D1411018	White	Sahm/Ke nneth	Expert	Clean Coalition	\$295	2014	D1510044	Woodruff	Kevin	Expert	The Utility Reform Network (TURN)	\$250	2014	D1505026
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Comment 5	<p>2016 Hourly Rates for Snavely, King, Majoros & Associates Experts</p> <p>Snavely, King, Majoros & Associates charged TURN \$220 per hour for work performed by Michael Majoros in 2016. This is below the \$240 per hour the Commission found reasonable for his work performed in 2005 (that is, more than ten years earlier) in the SCE 2005 GRC (D.06-10-018). The Commission should find Mr. Majoros' current rate of \$220 reasonable based on that earlier finding.</p> <p>Snavely, King, Majoros & Associates charged TURN \$145 per hour for work performed by James Garren in 2016. TURN is requesting compensation for the work of James Garren for the first time in this proceeding. Mr. Garren is a consultant with the firm, and his statement of qualifications (Appendix A to his testimony) highlights his training as a depreciation expert and his prior experience as a witness sponsoring testimony produced by the firm. In 2016, he had approximately six years of experience with the firm. The</p>																																																																																																																																																	

	<p>\$145 hourly rate is very near the lowest end of the range the Commission has adopted for work performed in 2016 by expert witnesses with 0-6 years of experience (\$140-\$205, per Res. ALJ-345). TURN submits that the requested \$145 hourly rate is extremely reasonable for work performed in 2016 by someone with Mr. Garren’s credentials and qualifications.</p>
Comment 6	<p>2015, 2016 Hourly Rates for Jeffrey Nahigian</p> <p>TURN requests an hourly rate of \$215 for Jeffrey Nahigian’s work in this proceeding in both 2015 and 2016. This is the actual market rate charged by Mr. Nahigian to TURN. In D.15-08-023 (PG&E 2014 GRC), the Commission adopted a rate of \$210 for Mr. Nahigian’s work in 2014 by applying the 2014 COLA to his 2013 authorized rate of \$205. However, in D.16-04-011 (SCE 2015 GRC), the Commission adopted a rate of \$205 for his work in 2014. TURN had requested this lower rate because it was his actual billing rate in 2014. The Commission can reconcile these two different rates in the setting of Mr. Nahigian’s 2015 rate.</p> <p>TURN recommends that the Commission authorize a 2015 rate of \$215 for Mr. Nahigian by applying a 5% step increase to the lower of the two rates previously authorized for him in 2014, \$205. TURN has not previously used a 5% step increase, as permitted by D.07-01-009 and D.08-04-010, to justify a rate increase for Mr. Nahigian, who has long been in the 13+ year experience tier for experts. Escalating the 2014 rate of \$205 by 5% produces a 2015 rate of \$215, consistent with TURN’s request here.</p> <p>The Commission could alternatively escalate the higher rate authorized for Mr. Nahigian in 2014, \$210, by the 2016 COLA of 2.14% (Res. ALJ-345), to produce the requested \$215 billing rate in 2016. However, as there was no COLA for 2015, TURN requests that the Commission apply the “step increase” justification to support the rate of \$215 for both 2015 and 2016. As noted above, this is the actual hourly rate that Mr. Nahigian has billed TURN at in 2015 and 2016.</p>
Comment 7	<p>2015, 2016 Hourly Rates for Garrick Jones, JBS Energy</p> <p>TURN requests an hourly rate of \$180 for the work performed by Garrick Jones of JBS Energy in this proceeding in 2015. The Commission has previously adopted rates of \$180 and \$185 for Mr. Jones’ work in 2015. <i>See, e.g.</i>, D.16-04-011 (SCE 2015 GRC) (adopting a 2015 hourly rate of \$180); D.16-11-004 (Sempra 2016 GRC) (adopting a 2015 hourly rate of \$185).</p> <p>TURN requests an hourly rate of \$190 for Mr. Jones’ work in 2016. The Commission has yet to adopt a rate for Mr. Jones’ 2016 work. A rate of \$190 for Mr. Jones’ work in 2016 is reasonable for the following reasons.</p> <p>In D.15-11-019 (2012 Nuclear Decommissioning) the Commission adopted a rate of \$180 for Mr. Jones’ work in the last quarter of 2014, commensurate with the time period</p>

	when JBS Energy increased his hourly rate to \$180. At that time, the Commission calculated Mr. Jones' experience as just over 7 years, and found that an increase from \$170 to \$180 in 2014 was reasonable as the first 5% step increase within the 7-12 year experience tier. D.15-11-019, p. 23. As noted above, the Commission has adopted rates of both \$180 and \$185 for Mr. Jones in 2015. However, TURN assumes that the Commission will adopt the lower rate of \$180 here for Mr. Jones' 2015 work. Escalating that rate by both the 2016 COLA of 1.28% and also the second 5% step increase in the 7-12 year tier, for a total increase of 6.28%, results in a rate of \$190 (rounded down to the nearest \$5 increment).
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D. CPUC Disallowances and Adjustments (CPUC completes):

Item	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 Discussion

B. Comment Period: Was the 30-day comment period waived (<i>see</i> Rule 14.6(c)(6))?	
--	--

If not:

Party	Comment	CPUC Discussion

FINDINGS OF FACT

1. Intervenor [has/has not] made a substantial contribution to D._____.
2. The requested hourly rates for Intervenor'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 compensation is \$_____.

CONCLUSION OF LAW

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

ORDER

1. Intervenor is awarded \$_____.
2. Within 30 days of the effective date of this decision, _____ shall pay Intervenor the total award. [for multiple utilities: "Within 30 days of the effective date of this decision, ^, ^, and ^ shall pay Intervenor 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 compound interest at the rate earned on prime, three-month non-financial commercial paper as reported in Federal Reserve Statistical Release H.15, beginning [date], the 75th day after the filing of Intervenor'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

Atty	Code	Description	Date	Time
Alvarez	ElecDist	Review PG&E DRP and GRC ppls for VVO/DERIC; assign/focus DS & TC initial work	2/26/16	3.50
Alvarez	ElecDist	Review PG&E responses to DR 45 questions	2/27/16	2.75
Alvarez	ElecDist	Review PG&E responses to DR 35 questions	2/27/16	1.75
Alvarez	ElecDist	Build initial idea register outlining potential challenges to VVO/DERIC proposals	2/29/16	4.00
Alvarez	ElecDist	Project approach/planning call with Dennis Stephens	2/29/16	0.50
Alvarez	ElecDist	e-mail to Dennis re: smart inverters and use of AMI as a curtailment option.	3/1/16	0.50
Alvarez	ElecDist	Review VVO and DERIC work papers	3/1/16	2.50
Alvarez	ElecDist	Calls and e-mails with DS and TC on first impressions, overall direction	3/3/16	1.25
Alvarez	ElecDist	Wired Group recommendations development	3/5/16	4.25
Alvarez	ElecDist	Wired Group recommendations finishing touches	3/6/16	1.75
Alvarez	ElecDist	Examine load shapes of feeders in substations with top 20 ICF violations from DRP	3/8/16	1.75
Alvarez	ElecDist	E-mail Eric re: PG&E response to DR 45 Q21; present feeder data; 1st conference call	3/9/16	2.25
Alvarez	ElecDist	Draft DERIC testimony outline	3/9/16	2.00
Alvarez	ElecDist	Edits to DERIC testimony outline; send to MH and EB for comment	3/11/16	0.50
Alvarez	ElecDist	Review relevant DERIC mat's: PG&E, SDG&E, and SCE EPIC triennial filings	3/14/16	2.25
Alvarez	ElecDist	Meeting with Dennis Stephens to develop DR needs for DERIC	3/15/16	3.00
Alvarez	ElecDist	Draft DRs, compare to existing, examine for exposure of confidential information	3/15/16	7.75
Alvarez	ElecDist	calculate historical \$/MW DER distribution upgrade cost, NEM vs. Wholesale	3/17/16	1.25
Alvarez	ElecDist	Final DR review	3/17/16	1.50
Alvarez	ElecDist	Policy piece development: Socializing cost of DER upgrades due in part from Whslers	3/17/16	1.25
Alvarez	ElecDist	Catch-up call with Marcel and Eric	3/23/16	0.75
Alvarez	ElecDist	Work-up PG&E Performance statistics storyline	3/28/16	2.25
Alvarez	ElecDist	Review the ORA's draft VVO and DERIC testimony	3/30/16	1.50
Alvarez	ElecDist	Review initial PG&E DR responses to WG DRs; ideas for emerging testimony storyline	4/1/16	1.50
Alvarez	ElecDist	Review initial PG&E DR responses to WG DRs; ideas for emerging testimony storyline	4/4/16	1.25
Alvarez	ElecDist	Draft follow-up DRs	4/4/16	4.75
Alvarez	ElecDist	Draft follow-up DRs	4/5/16	7.50
Alvarez	ElecDist	Working session with Dennis to improve overall approach to testimony	4/6/16	5.00
Alvarez	ElecDist	Draft testimony outline version 4	4/6/16	7.00
Alvarez	ElecDist	Draft follow-up DRs and send to Marcel/Eric to submit	4/7/16	1.75
Alvarez	ElecDist	DR requests on ultimate capital requirements	4/7/16	0.75
Alvarez	ElecDist	Discuss v4 outline with dennis and final edits	4/7/16	1.25
Alvarez	ElecDist	Review MS edits to testimony outline with Dennis	4/11/16	0.50
Alvarez	ElecDist	Review MS recommendations with MS and Dennis	4/11/16	2.00

Alvarez	ElecDist	Develop and propose outline edits related to the wholesale DER vs. retail DER issue	4/11/16	1.50
Alvarez	ElecDist	Develop DR's to explore NEM vs. Wholesale issues	4/12/16	0.75
Alvarez	ElecDist	Call with MS and EB to discuss wholesale vs. retail issues and testimony impact	4/12/16	0.75
Alvarez	ElecDist	Develop per kW upgrade cost calculations for NEM, Wholesale, and DERIC ppsl	4/12/16	1.25
Alvarez	ElecDist	Develop testimony outline version 5	4/14/16	4.75
Alvarez	ElecDist	Begin drafting testimony	4/14/16	1.50
Alvarez	ElecDist	Call with PG&E to clarify issues on responses to DR TURN 045-Q	4/15/16	0.50
Alvarez	ElecDist	Finalize testimony outline with MS by phone	4/15/16	1.00
Alvarez	ElecDist	Continue drafting testimony	4/15/16	7.25
Alvarez	ElecDist	Continue drafting testimony	4/16/16	6.50
Alvarez	ElecDist	Finish first draft of testimony	4/18/16	6.25
Alvarez	ElecDist	Discuss DS testimony with DS	4/19/16	0.75
Alvarez	ElecDist	Data tables to support DS testimony (Appendix); final edits to first draft	4/20/16	5.25
Alvarez	ElecDist	Review EB's Volt-Var testimony	4/25/16	0.50
Alvarez	ElecDist	Create data tables and sample data tables for testimony	4/26/16	4.50
Alvarez	ElecDist	Review/edit/incorporate MH edits into testimony first draft	4/26/16	1.25
Alvarez	ElecDist	Revamp data tables; incorporate all remaining MH and DS edits; cites and clean-up	4/27/16	8.00
Alvarez	ElecDist	Incorporate additional MH requests	4/28/16	3.75
Alvarez	ElecDist	Final reviews and edits	4/29/16	1.00
Alvarez	ElecDist	Assemble/organize work papers for PG&E DR 02	5/4/16	0.75
Alvarez	ElecDist	Respond to DR's served on TURN by PG&E	5/10/16	3.50
Alvarez	ElecDist	Respond to DR's served on TURN by PG&E	5/11/16	0.50
Alvarez	ElecDist	Edit DR responses per MH suggestions	5/16/16	0.75
Alvarez	ElecDist	Review revised PG&E responses to TURN DRs and provide follow-up Q's to MH	5/21/16	0.75
Alvarez	ElecDist	Review PG&E rebuttals, discuss with Dennis, and strategy e-mail to MH	5/28/16	2.00
Alvarez	ElecDist	Develop first 18 DRs associated with PG&E rebuttal testimony	5/31/16	1.00
Alvarez	ElecDist	Discuss DRs associated with PG&E rebuttal testimony with MH	5/31/16	0.50
Alvarez	ElecDist	Develop final 14 DRs associated with PG&E rebuttal testimony (107)	6/1/16	4.00
Alvarez	ElecDist	Review DRs with DS, make revisions, and consolidate and streamline DRs (107)	6/2/16	4.25
Alvarez	ElecDist	Review PG&E responses to 107 DRs	6/20/16	0.75
Alvarez	ElecDist	Review PG&E responses to 107 DRs	6/23/16	0.50
Alvarez	ElecDist	Review PG&E responses to 107 DRs	6/24/16	0.50
Alvarez Total				160.75
BF	GP	Initial mtg w/ HGoodson and TLong re: PG&E GRC coverage, early steps for discovery, assignments, issues, etc.	8/31/15	1.25
BF	GP	PG&E GRC -- consult w/ TLong re: initial assignments, guidance to JBS for application review	9/11/15	0.50
BF	GP	Review PG&E slides for workshop	9/28/15	0.50

BF	ElecDist	P/c w/ MHawiger re: recent u/g structure explosion, potential impact on GRC	9/29/15	0.25
BF	GP	Review PHC stmt for consistency w/ GRC scheduling issues raised in just-filed OIR PFM; e-mail HGoodson re: same	10/23/15	0.50
BF	ShdSvc	E-mail exchange w/ JN, other TURN attys re: treatment of projects beyond TY 2017	11/6/15	0.25
BF	ShdSvc	Review JSugar draft discovery on fleet; review cited workpapers and testimony; draft e-mail to JSugar for clarification; re-write DR on PG&E-7	12/11/15	1.00
BF	PTYR	P/c w/ HGoodson, CYap re: strategies for PTYR analysis and showing in GRC	12/16/15	0.75
BF	ShdSvc	Review DR 1 draft from JNahigian, PG&E testimony and workpapers; draft e-mail to JN re: next steps on CRE issues and DR revisions	1/7/16	2.25
BF	Dep	Rev depn testimony; draft e-mails to potential depn witnesses	1/13/16	1.25
BF	ShdSvc	Further review, edits, and drafting on DR, associated testimony and WP review; draft long cover e-mail to JNahigian	1/15/16	1.50
BF	Dep	E-mail exchange w/ MMajoros on dep'n issues in GRC	1/18/16	1.00
BF	ShdSvc	Final review, drafting and editing for DR on CRE	1/19/16	1.50
BF	RBO	Review bonus depn DR draft from BMarcus; draft e-mail to HGoodson and BMarcus re: timing given upcoming supplemental testimony	1/20/16	0.50
BF	Dep	Review of depn-related materials from S-K; draft e-mail to S-K with questions for clarification	1/23/16	3.50
BF	Dep	Further review of depreciation-related materials from S-K and own files; draft e-mail to S-K with additional issues for upcoming discussion	1/24/16	2.25
BF	Dep	Prep for and p/c w/ MMajoros and JGarren of S-K re: potential depreciation work, issue spotting, general strategy; e-mail HGoodson re: same	1/27/16	3.00
BF	Dep	Begin review of PG&E Depn showing, other file materials	1/29/16	2.00
BF	#	Meet w/ other TURN attorneys re: GRC strategies, issue spotting	2/11/16	2.00
BF	Dep	Review and edit draft DRs; draft cover e-mail to S-K	2/11/16	2.75
BF	Dep	Review tables for potential top 15 accounts; draft e-mail to JGarren and MMajoros re: same; draft e-mail to BMarcus re: hydro and other production review, including decommissioning	2/12/16	1.50
BF	RBO	Develop potential AMI ratemaking strategy; draft e-mail to BMarcus re: same	2/12/16	1.00
BF	Dep	Further review and edits; draft cover e-mail to JGarren re: latest version of edits	2/16/16	2.00
BF	Dep	Finalize first DR	2/17/16	0.75
BF	Gen	P/c w/ BMarcus re: gen depreciation issues, draft DRs; review and edit DRs	2/17/16	1.00
BF	RBO	Review Bill DR from mid-Jan; edit, p/c w/ BMarcus, finalize	2/17/16	0.75
BF	ShdSvc	Initial review of JNahigian set 2 of CRE DRs; draft e-mail to JN	2/17/16	0.75

BF	ShdSvc	Review seismic reports provided in discovery, other elements of purported seismic standards; draft discovery re: same	2/18/16	3.00
BF	ShdSvc	Finish drafting further questions for next DR on CRE; draft e-mail to HGoodson and JNahigian re: seismic forecasts and CSO closure issues	2/19/16	1.75
BF	A&G	Begin review of A&G materials in PG&E testimony	2/20/16	3.00
BF	HR	Review CRE expensess in HR volume; identify and start to research severance payment issue	2/22/16	1.50
BF	ShdSvc	Further review of CRE materials; p/c w/ JNahigian re: issue-spotting, strategies; further review of CRE materials post-call	2/22/16	4.50
BF	A&G	Further review of A&G materials in PG&E testimony, supporting workpapers	2/23/16	2.00
BF	ShdSvc	Further review of CRE materials; e-mails to JNahigian about materials discovered in workpapers, related questions	2/24/16	2.00
BF	A&G	Prep for mtg w/ ETorres re: A&G issue-spotting, coverage, next steps; meet w/ ETorres	2/25/16	3.25
BF	ShdSvc	E-mail JNahigian re: CRE project in A&G testimony	2/25/16	0.50
BF	ShdSvc	E-mail exchange w/ JNahigian re: CRE projects in non-CRE testimony generally, strategy	2/26/16	0.75
BF	ShdSvc	Draft DRs on CRE	3/1/16	2.50
BF	ShdSvc	Draft and edit DRs on DRE, draft cover e-mail to HGoodson	3/2/16	3.50
BF	GasDist	Review TLong draft DR question, provide potential edits	3/3/16	0.25
BF	ShdSvc	E-mail exchange w/ JNahigian re: his review of DR responses	3/3/16	0.50
BF	A&G	p/c w/ BMarcus re: A&G issue-spotting, coverage; draft e-mail to ETorres, HGoodson and BMarcus re: next steps	3/7/16	0.75
BF	ShdSvc	E-mail exchange w/ JNahigian re: DR response referring to Rock Creek plan; review, research and edit next set of DRs; draft cover e-mail to JNahigian re: DRs	3/8/16	3.00
BF	Dep	prep for and participate in conf call w/ SKM re: depn review, strategies, next steps; begin f/u research	3/15/16	2.25
BF	Afford	Discuss testimony, issue-spotting and potential arguments w/ MH and TLong	3/17/16	0.50
BF	Dep	Conf call w/ MKarle of ORA, MMajoros and JGarren of SKM	3/17/16	0.75
BF	#	Draft e-mails to team re: input, examples for PG&E approach on post-TY capital projects, for both costs and purported benefits	3/18/16	1.25
BF	ShdSvc	Draft two e-mails to JNahigian re: separate general topics for discovery and potential testimony on CRE	3/21/16	1.25
BF	HR	Review and edit BMarcus draft severance DRs, associated testimony and WPs; review 2014 materials on same;	3/23/16	2.50
BF	#	Review TLong e-mail and response to 67-9 re: removed costs; review outside counsel and claims/settlements for examples; draft e-mail to TLong and HGoodson re: same	3/24/16	0.75
BF	GP	Review ALJ ruling on comp exh input; draft e-mail to HGoodson about streamlining process	3/24/16	0.50
BF	A&G	Research questions about numbers in PG&E's officer ranks; e-mail exchange w/ BMarcus re: same	3/25/16	1.00

BF	A&G	Review testimony, workpapers, other file material on outside counsel and claims	3/25/16	3.00
BF	A&G	Further review of outside counsel and claims costs, responses to ORA DRs; draft e-mail to TURN attorneys re: examples of CPUC proceedings that might warrant adjustments to recorded costs used for forecasting purposes	3/28/16	2.00
BF	Dep	E-mail exchange w/ MMajoros and JGarren re: next set of DRs	3/28/16	0.50
BF	Dep	Review, edit and provide comments on draft f/u DR; draft cover e-mail to MMajoros and JGarren	3/29/16	1.25
BF	DefWk	Met w/ TLong, EBorden re: identifying and addressing policy issues around deferred maintenance, strategies for presenting in testimony and briefs	3/30/16	0.75
BF	ElecDist	Review, edit, and comment upon GJones draft DR on UG asset mngmt	3/30/16	1.50
BF	#	General review of PG&E report on 2015 actuals, comparison to budgeted amounts across the board	4/1/16	0.75
BF	A&G	Draft, edit DR on law department and claims/settlements costs	4/1/16	2.50
BF	HR	Initial review of responses on severance DRs; draft e-mail to BMarcus re: same	4/4/16	0.75
BF	ShdSvc	Review and edit draft DRs, cover e-mail to JNahigian; review revisions	4/4/16	1.25
BF	RBO	Review cust care testimony on ""new revenues"" in customer engagement, NTP&S in OOR forecasts in PG&E-10; review file materials; draft DRs	4/6/16	4.25
BF	RBO	Final draft and edit of New Revenue (cust care) and NTP&S DRs	4/7/16	3.25
BF	A&G	Prep for and participate in call w/ BMarcus and NSuetake re: A&G issues, potential strategies for testimony	4/8/16	1.50
BF	GP	Draft e-mail to GRC team following up on HGoodson and BMarcus e-mails re: comp exhibit requirement, strategies and factors for completion of initial input	4/8/16	0.50
BF	RBO	Initial review of ORA testimony on array of issues -- CRE, severance, A&G, NTP&S and cust care for new revenue activities	4/8/16	1.75
BF	A&G	Further review of A&G testimony, wps; draft e-mail to BMarcus and NSuetake re: Ch 2 (Finance Org) and Ch 3 (Risk, Audit and Insurance) potential issues, strategy thoughts	4/9/16	3.25
BF	HR	Review responses to DRs; draft memo to BMarcus re: most useful responses, other potential issues	4/9/16	2.25
BF	RBO	Draft e-mail to BMarcus and NSuetake re: follow-up on discussed strategy options for spending proposals that promise future savings not captured in 2017 test year forecast	4/9/16	1.25
BF	RBO	Review ORA testimony on OOR (Kanter) and Customer Care/NTP&S (Morse)	4/9/16	0.50
BF	Sett	Discuss w/ HGoodson potential settlement discussion timing issues; draft e-mail to HG re: follow-up thoughts on same	4/13/16	1.00

BF	ShdSvc	E-mail exchange w/ JNahigian re: intersection of Cust Care and NTP&S	4/13/16	0.50
BF	Gen	Review BMarcus draft testimony on gen depreciation issues	4/19/16	0.75
BF	RBO	Review NTP&S materials from 2011 and 2014 GRC; begin outline of testimony	4/19/16	2.50
BF	A&G	E-mail exchange about DR responses to TURN-89	4/20/16	0.50
BF	Dep	Review initial testimony draft	4/20/16	1.00
BF	PTYR	Discuss strategies, options for recommendation w/ HGoodson	4/20/16	0.75
BF	RBO	Continue development of testimony outline	4/20/16	1.50
BF	A&G	P/c w/ SFrank and MKlotz re: DR responses to TURN-89	4/21/16	0.25
BF	Dep	Further review of initial draft; draft e-mail to MMajoros re: overall strategy, limits to issues to raise here	4/21/16	0.75
BF	RBO	Initial review of responses; draft e-mail to CBuchsbaum re: responses that did not answer question, next steps; continue work on draft testimony	4/21/16	2.25
BF	ShdSvc	Research and draft response to JNahigian questions on CRE strategies, next steps for testimony	4/21/16	1.50
BF	Dep	Review and research issues identified in Garren draft tetimony	4/22/16	3.00
BF	RBO	E-mail exchange w/ CBuchsbaum re: need for further clarifications on DR responses; begin drafting OOR testimony	4/22/16	3.25
BF	Dep	Review and edit JGarren draft testimony on Dep, related file materials; draft cover e-mail to JGarren and MMajoros re: strategies for recommendations, next steps	4/23/16	3.50
BF	RBO	Further review of OOR and NTP&S materials, draft testimony	4/24/16	1.50
BF	ShdSvc	REview, edit and revise JNahigian draft testimony on CRE; draft cover epmail to JN re: same, next steps	4/24/16	3.25
BF	A&G	Initial review of DR responses to TURN-89	4/25/16	1.50
BF	RBO	Review JN Cust Care draft re: clarifying coverage of New Revenue issues in his recommendations; draft e-mail to MHawiger and JNahigian re: same; review further supplemental info from PG&E in response to DR 92; e-mail exchange w/ BMarcus re: NTP&S and GRC intersection, strategy; review file materials, outline testimony	4/25/16	6.50
BF	Dep	Review revised NS proposal from JGarren;review 2014 GRC decision, ORA testimony here; e-mail exchange re: same, next steps	4/26/16	2.00
BF	RBO	Review materials, ORA testimony, continue drafting testimony	4/26/16	6.25
BF	ShdSvc	Review and edit JN revisions to testimony; draft cover e-mail to JN re: further thoughts on strategy	4/26/16	1.00
BF	Dep	E-mail exchange w/ JGarren re: testimony; review of attachment; research past decisions on 25% and similar capped approaches, draft e-mail w/ supporting materials to JGarren	4/27/16	2.50
BF	RBO	Further drafting of testimony on MWC EL in Cust Care; OOR revenue; begin drafting on probs w/ NTP&S transparency	4/27/16	3.00

BF	ShdSvc	E-mail exchange w/ JNahigian re: CSO issue; research into PG&E's CSO ""analysis""	4/27/16	2.25
BF	#	E-mail to HGoodson; p/c w/ HGoodson re: final testimony prep steps	4/28/16	0.50
BF	A&G	Further review of DR responses; begin drafting testimony on settlements and judgments showing	4/28/16	2.00
BF	Dep	Review and edit of next version of testimony; draft cover e-mail to JGarren	4/28/16	1.00
BF	RBO	Further drafting on NTP&S transparency issues	4/28/16	3.50
BF	A&G	Finish drafting testimony on settlements issues	4/29/16	2.25
BF	Dep	Final review and edit of testimony; draft e-mail to JGarren	4/29/16	0.50
BF	RBO	Finish drafting testimony on OOR, MWC EL and NTP&S; final review and edit	4/29/16	3.75
BF	JCE	Initial review of JCE on CRE; draft e-mails to JNahigian and HGoodson	5/2/16	1.00
BF	JCE	Review CRE materials for preparation of JCE entries; draft e-mail to JNahigian re: same; develop JCE entries for CRE	5/3/16	1.50
BF	Dep	Review PG&E DR on Generation lives testimony of BM; review file materials; draft responses; draft cover e-mail to BMarcus	5/5/16	1.25
BF	JCE	JtCompEx -- draft sections on BF issues	5/5/16	0.75
BF	ShdSvc	Review PG&E DR on CRE; draft responses; draft cover e-mail to JNahigian	5/5/16	0.50
BF	JCE	JtCompEx -- draft section on Law policy rec; e-mail exchange w/ JNahigian re: CRE JCE entries; discuss w/ HGoodson	5/6/16	1.50
BF	JCE	Jt Comp Ex -- review OOR materials, figure out BMarcus recommendations overlay w/ BFinkelstein recommendations; draft e-mail to BMarcus re: same	5/7/16	1.00
BF	Gen	Review and edit draft response to PG&E-4 (Gen Dep); draft cover e-mail to HGoodson	5/10/16	0.50
BF	JCE	Review BMarcus testimony on OOR; draft revised OOR entry for JCE; draft cover e-mail to HGoodson	5/10/16	0.75
BF	Sett	P/c w/ HGoodson and TLong re: settlement options and strategies on safety-related issues; further discussion on rev req options, approach	5/10/16	3.75
BF	Dep	E-mails re: TURN testimony workpapers w/ HGoodson, JGarren	5/11/16	0.25
BF	Sett	E-mail exchange w/ HGoodson and TLong re: response from ORA on settlement discussions	5/11/16	0.25
BF	ShdSvc	Review and edit DR responses to PG&E DR 3-5 (gas dist CRE)	5/13/16	0.75
BF	Dep	Review latest DR from PG&E, draft e-mail to JGarren re: same	5/16/16	0.25
BF	RBO	E-mail exchange w/ ORA re: clarification of TURN's recommendations	5/16/16	0.50
BF	Sett	Respond to e-mails from TLong, HGoodson	5/17/16	0.50
BF	Sett	P/c w/ HGoodson, TLong, MHawiger re: strategy	5/18/16	1.50
BF	Sett	Meet w/ HGoodson re: settlement strategies, additional issues requiring pre-settlement review	5/20/16	0.75

BF	Sett	P/c w/ TLong and HGoodson; p/c w/ TLong re: settlement strategies, next steps for TURN; P/c and e-mail exchange w/ MPocta re: communication to PG&E; draft e-mail to TLong, HGoodson and BMarcus re: Monday meeting, topics for discussion	5/26/16	2.75
BF	#	Initial review of rebuttal testimony on BF issues	5/27/16	2.25
BF	Dep	Review draft DR response; draft e-mail to JGarren for clarification, further information	5/27/16	0.50
BF	Dep	Review JGarren draft response to DR 15; draft e-mail to JGarren re: potential reviewions to consider, next steps	5/30/16	0.25
BF	Sett	Prep for and participate in conf call on settlement strategies w/ HGoodson, TLong and BMarcus	5/30/16	2.50
BF	Dep	Final review and edit of resp to PG&E DR 15; draft e-mail to JGarren and MMajoros re: review of rebuttal testimony	5/31/16	0.75
BF	Sett	get settlmt discussion update from HGoodson	5/31/16	0.25
BF	ShdSvc	Draft e-mail to JNahigian re: rebuttal testimony	5/31/16	0.25
BF	GP	Call w/ PG&E and ORA about request to ALJ for hearing postponement, providing information to other parties re: same; contact CforAT and CFC re: upcoming postponement request; draft e-mail to PG&E and ORA re: calls	6/1/16	1.25
BF	Dep	P/c w/ JGarren re: status of rebuttal review, settlement discussions, schedule changes, strategy for going forward; e-mail w/ HGoodson re: same	6/3/16	0.75
BF	Sett	Review SEU GRC PD discussion of safety-related issues; draft e-mail to TURN attys in PG&E GRC re: strategies for safety-related outcomes in settlement context	6/3/16	1.00
BF	Sett	Respond to Tlong, HGoodson e-mails on issues associated with RB disallowances, draft resposne	6/8/16	0.50
BF	Sett	Review materials for questions about appropriate reduction for MWC 23	6/14/16	2.00
BF	Sett	MWC 23 materials review; p/cs w/ HGoodson re: same; further research	6/15/16	3.00
BF	Sett	Further work on capital elements of potential settlement; e-mails and p/cs w/ HGoodson, MPocta re: same; draft e-mail to PG&E for further clarification	6/16/16	2.25
BF	Sett	Initial review of CUE principle sheet; draft e-mail to BMarcus; draft e-mail to HGoodson	6/20/16	0.75
BF	Sett	E-mail exchange w/ HGoodson re: settlement figures	6/21/16	0.50
BF	Sett	Cull tax memo acct language from SCE GRC and AL; draft e-mail to HGoodson and BMarcus	6/23/16	0.50
BF	Sett	Further review CUE material; develop comparison figures; draft e-mail to BMarcus	6/24/16	0.75
BF	Sett	p/c w/ HGoodson re: settlement strategies, next steps; draft e-mail initial response to JMauldin of CUE	6/27/16	1.50
BF	Sett	P/c w/ JMauldin re: CUE principle sheet, potential for settlement of issues; draft e-mail to HGoodson summarizing conversation; e-mail exchange re: strategy on non-rev req issues	7/1/16	1.50
BF	Sett	Review language on PG&E-CUE proposed settlement terms; draft e-mail to TURN attys and witnesses re: potential responses	7/12/16	0.75

BF	Sett	Draft e-mail to BMarcus re: tax memo acct issues; review TLong draft on deferred work, provide edits and comments	7/18/16	0.75
BF	Sett	Review PG&E-CUE positions, e-mail exchange re: same; tax memo account research, draft e-mail to HGoodson and BMarcus	7/20/16	1.50
BF	Sett	E-mail exchange among TURN attys, MToney re: strategy for accountability issues	7/22/16	0.50
BF	Sett	Meet w/ TLong and HGoodson to discuss status of accountability issues, next steps; review and respond to e-mails from CAUSE re: z-factor and 3d attrition year issues	7/27/16	1.75
BF	Sett	REview TL Draft of potential revisions to non-rev req accountability sections; p/c w/ TL and HG re: upcoming call w/ PG&E, strategies; participate on conf call w/ PG&E GRC team on non-rev req accountability sections	7/29/16	5.75
BF	Sett	Review final versions of settlement language, motion language on depreciation, tax; e-mail exchanges w/ HGoodson and TLong on accountability and prioritization	7/31/16	0.75
BF	Sett	Review PG&E and TURN language on general section on PG&E spending discretion; draft e-mail to TLong and HGoodson; p/cs w/ TLong and HGoodson	8/2/16	0.75
BF	ShdSvc	Review material for potential errata of JNahigian testimony; review underlying record material; draft e-mails to JNahigian and HGoodson re: alternative ways to structure errata	8/2/16	0.75
BF	Non-Sett	Discussion and e-mails w/ HGoodson re: comments on non-settled issues	8/4/16	0.50
BF	Sett	Discuss upcoming settlement review events w/ HG; draft e-mail to BMarcus re: same	8/10/16	0.75
BF	Non-Sett	Research record and CPUC decisions on 3d attrition year issues, draft opening comments on 3d attrition year	8/17/16	5.25
BF	Non-Sett	Finish drafting and edit cmmts on 3d attrition year, work in comments from reviewers; review and edit MH draft on gas bal acct issues; final draft and edit of comments	8/18/16	6.00
BF	Non-Sett	Initial review of other parties' comments, cited decisions and SEU record materials	8/19/16	1.50
BF	Non-Sett	Review opening comment, record materials and decisions cited therein	8/21/16	3.50
BF	Non-Sett	Complete review of opening comments on contested issues, begin outline of reply comments; draft e-mail re: strategy to HGoodson	8/23/16	2.00
BF	Non-Sett	Draft reply comments on contested issues	8/24/16	4.25
BF	Non-Sett	Final draft and edit of reply comments on contested issues	8/25/16	2.00
BF	WS/EH	E-mails to HGoodson and TLong re: next week's events; t/c w/ HGoodson and TLong re upcoming workshop, newly-announced hearing; strategies for issues to cover	8/26/16	1.50
BF	Non-Sett	P/c w/ MHawiger re: TURN position in OIR for gas leak abatement, claims made in PG&E/EDF/CUE reply comments	8/29/16	0.50
BF	WS/EH	Prep for and participate in workshop w/ ALJ and Ass'd Commr; draft re-cap e-mail to HGoodson	8/30/16	6.50

BF	WS/EH	E-mail exchange w/ HGoodson re: Thursday hearings, need for coverage or appearance as TURN witness on contested issues; revise based on ALJ e-mail on removal of contested issues from agenda	8/31/16	0.50
BF	#	Research past CPUC actions re: post-submission layoffs in GRCs; draft e-mails to TURN team re: options	1/11/17	1.50
BF	PD	Research tax memo acct issue from settlement and proposed treatment in PD; draft e-mails to BMarcus re: same	3/2/17	1.00
BF	PD	Review treatment of depreciation, other issues in my coverage	3/2/17	1.00
BF	PD	P/c w/ BMarcus; draft e-mail to HGoodson summarizing call and e-mails w/ BMarcus re: differences between PD and settlement tax language, potential strategies going forward	3/3/17	1.25
BF	PD	Research cmmts from Semptra GRCs' PD on settled and non-settled issues; draft cover memo to HGoodson re: same	3/5/17	0.50
BF	PD	Discuss w/ HGoodson and TLong PD topics as potential candidates for comments, potential strategies and tactics	3/6/17	0.50
BF	PD	Review PTYR section; draft LONG e-mail to CYap re: strategies; draft e-mail to HGoodson re: same; review response from CYap, research SEU GRC rhg decision on similar issue; draft e-mail to HGoodson re: options	3/13/17	2.25
BF	PD	Initial review of Jt Settling Parties cmmts on PD; draft e-mail to HGoodson re: same	3/14/17	0.50
BF	PD	Review draft PG&E cmmts on tax issue; draft e-mail to HGoodson re: same	3/17/17	0.75
BF	PD	E-mail exchange w/ HGoodson and TLong re: cmmts on compliance w/ \$300 mm post-record reduction	3/19/17	0.50
BF	PD	E-mails re: upcoming ex parte mtgs	3/21/17	0.25
BF	PD	Meet w/ HGoodson to prepare for ex partes; meet w/ MHawiger to prepare for ex partes	3/22/17	1.00
BF	PD	Prep for ex parte mtgs; meet w/ PG&E and ORA re: mtg; joint mtg w/ DPeck; mtg w/ JGubman; draft memo to HGoodson, TLong and MHawiger debriefing on mtgs	3/24/17	2.50
BF	PD	Review and edit PG&E draft of ex parte notice for DPeck mtg; draft cover e-mail to PG&E and ORA re: same; draft ex parte notice for JGubman mtg	3/27/17	1.25
BF	PD	Review draft reply cmmts on PD; draft cover e-mail to HGoodson and MHawiger; p/c w/ HGoodson re: 3d attrition year issue; review A4NR reply cmmts on same	3/27/17	1.00
BF	PD	Review PG&E-revised version of ex parte notice	3/28/17	0.25
BF	PD	initial review of Picker Alternate	4/4/17	0.25
BF	PD	Review revised settlement language; draft e-mail to HGoodson re: same on tax memo acct issue	4/14/17	0.25
BF	PD	Review draft cmmts; draft edits and cover e-mail to HGoodson	4/19/17	0.25
BF	PD	Review revised PD response to comments on PYTR, other issues; draft cover e-mail to HGoodson and CYap	5/9/17	0.50
BF	PD	Review revised Alternate	5/10/17	0.25
BF	AL	Review ALJ on \$300 mm reduction, BMarcus notes and table from review; draft e-mail to HGoodson and BMarcus re: same, next steps	6/27/17	1.00

BF Total				288.25
C Yap	PTYR	analyze application	9/2/15	1.25
C Yap	PTYR	analyze application	9/2/15	1.25
C Yap	PTYR	analyze application	9/3/15	1.25
C Yap	PTYR	analyze application	9/3/15	1.25
C Yap	PTYR	research capital additions	9/11/15	1.25
C Yap	PTYR	research capital additions	9/14/15	0.75
C Yap	PTYR	prepare data request	9/15/15	0.25
C Yap	PTYR	prepare data request	9/15/15	1.00
C Yap	PTYR	research BLS indices	9/16/15	3.00
C Yap	PTYR	research BLS indices	9/17/15	3.00
C Yap	PTYR	review master data requests	9/21/15	2.00
C Yap	PTYR	review master data requests	9/21/15	2.00
C Yap	PTYR	review master data requests	9/22/15	0.75
C Yap	PTYR	review master data requests	9/22/15	0.75
C Yap	PTYR	research, phone call tlong	9/28/15	0.25
C Yap	PTYR	research, phone call tlong	9/28/15	0.25
C Yap	PTYR	conf call re RO model, analysis	9/29/15	1.00
C Yap	PTYR	conf call re RO model, analysis	9/29/15	1.00
C Yap	PTYR	review data responses	10/5/15	0.50
C Yap	PTYR	review data responses	10/5/15	0.50
C Yap	PTYR	analyze data responses, MDR	10/13/15	4.00
C Yap	PTYR	build capital adds model	10/23/15	3.00
C Yap	PTYR	build capital adds model	10/26/15	2.50
C Yap	PTYR	build capital adds model	10/27/15	5.50
C Yap	PTYR	build model	11/3/15	4.75
C Yap	PTYR	build model	11/4/15	3.00
C Yap	PTYR	build model	11/5/15	1.25
C Yap	PTYR	build model	11/6/15	4.50
C Yap	PTYR	build model	11/8/15	1.25
C Yap	PTYR	build model	11/9/15	1.75
C Yap	PTYR	build model	11/10/15	4.50
C Yap	PTYR	build model	11/11/15	2.00
C Yap	PTYR	build model	11/12/15	2.00
C Yap	PTYR	build model	11/13/15	3.50
C Yap	PTYR	build model	11/17/15	3.50
C Yap	PTYR	build model/discovery	11/18/15	4.50
C Yap	PTYR	build model, research & develop inputs	11/20/15	3.00
C Yap	PTYR	build model, research & develop inputs	11/23/15	4.00
C Yap	PTYR	build model	11/25/15	1.50
C Yap	PTYR	debug model	11/27/15	3.25
C Yap	PTYR	debug model, discovery	11/28/15	3.50
C Yap	PTYR	capital investment history	11/29/15	0.75
C Yap	PTYR	escalation options analysis, analysis, discovery	12/15/15	3.00
C Yap	PTYR	build model	12/15/15	1.50
C Yap	PTYR	research allocators, build model	12/16/15	2.50
C Yap	PTYR	conf call, review discovery resp, analysis	12/16/15	1.50
C Yap	PTYR	draft brief	3/7/16	3.00
C Yap	PTYR	draft testimony	3/7/16	1.50
C Yap	PTYR	draft testimony	3/10/16	0.50
C Yap	PTYR	draft testimony	3/10/16	0.50

C Yap	PTYR	draft testimony	3/11/16	1.50
C Yap	PTYR	draft testimony	3/11/16	1.50
C Yap	PTYR	research & analysis TCP	3/13/16	4.00
C Yap	PTYR	draft testimony, research	3/14/16	1.00
C Yap	PTYR	draft testimony, analysis	3/14/16	2.75
C Yap	PTYR	research ORA data responses, analysis	3/15/16	3.00
C Yap	PTYR	revise capital expenditures model	3/17/16	5.25
C Yap	PTYR	revise capital expenditures model	3/18/16	4.00
C Yap	PTYR	revise capital expenditures model, draft email	3/22/16	2.00
C Yap	PTYR	research & analysis PPI	3/22/16	3.25
C Yap	PTYR	research & analysis PPI, discovery, draft email	3/23/16	4.50
C Yap	PTYR	analysis, draft testimony	4/13/16	2.00
C Yap	PTYR	draft testimony, RO model capital expenditures	4/14/16	3.50
C Yap	PTYR	aggregate capital expenditures w/RO model	4/15/16	5.00
C Yap	PTYR	aggregate capital expenditures w/RO model	4/17/16	7.00
C Yap	PTYR	aggregate capital expenditures w/RO model	4/19/16	4.50
C Yap	PTYR	aggregate capital expenditures w/RO model	4/20/16	1.50
C Yap	PTYR	research SOP PPI indices	4/20/16	4.50
C Yap	PTYR	revise calculations, phone call hgoodson	4/21/16	3.00
C Yap	PTYR	analysis of indices, phone call hgoodson	4/21/16	2.50
C Yap	PTYR	revise calculations, rerun RO model	4/22/16	3.50
C Yap	PTYR	draft testimony, research MDRs	4/23/16	2.25
C Yap	PTYR	draft testimony	4/24/16	3.00
C Yap	PTYR	draft testimony	4/24/16	3.00
C Yap	PTYR	prepare expense related attachments	4/25/16	1.00
C Yap	PTYR	prepare capital expenditures attachment	4/25/16	3.00
C Yap	PTYR	update capex comparison, attachments, emails	4/26/16	2.00
C Yap	PTYR	update capex comparison, attachments, emails	4/26/16	3.00
C Yap	PTYR	develop ORA alt capex, update capex comparison	4/27/16	3.50
C Yap	PTYR	phone calls trenaghan, hgoodson, revise draft, RO analysis	4/27/16	4.00
C Yap	PTYR	run RO model scenarios, revise draft testimony	4/28/16	4.25
C Yap	PTYR	run RO model scenarios, revise draft testimony	4/28/16	4.25
C Yap	PTYR	finalize testimony	4/29/16	1.50
C Yap	PTYR	finalize testimony	4/29/16	1.50
C Yap	PTYR	assemble workpapers, data response	5/4/16	1.25
C Yap	PTYR	assemble workpapers, data response	5/4/16	1.25
C Yap	Sett	review settlement materials, email	5/11/16	1.00
C Yap	Sett	RO runs for settlement analysis, prepare tables & email	5/12/16	6.50
C Yap	PTYR	respond to data request	5/16/16	3.00
C Yap	Sett	analysis & RO runs for settlement analysis, emails	5/17/16	5.00
C Yap	Sett	analysis & RO runs for settlement analysis, phone call hgoodson	5/18/16	2.00
C Yap	Sett	analysis & RO runs for settlement analysis, emails	5/25/16	2.00
C Yap	PTYR	review rebuttal	6/1/16	0.50
C Yap	Sett	tax analysis	6/15/16	1.50
C Yap	Sett	tax analysis	6/15/16	0.50
C Yap	WS/EH	phone call hgoodson, prep for hearing	8/31/16	2.50
C Yap	WS/EH	attend hearing at CPUC	9/1/16	4.00
C Yap	PTYR	analyze implementation alternatives	9/14/16	0.50
C Yap	PTYR	conf call, email	9/15/16	0.75
C Yap	PTYR	conf call	9/15/16	0.50

C Yap	PTYR	conf call, review table	9/20/16	0.50
C Yap	PTYR	conf call	9/21/16	0.25
C Yap	PTYR	respond to hayley's questions	9/22/16	0.50
C Yap Total				244.75
Carter	ElecDist	Review VVO and DERIC work papers	3/2/16	4.00
Carter	ElecDist	Call and e-mails with PA to discuss first impressions and overall direction	3/3/16	1.25
Carter	ElecDist	Review first draft of initial testimony outline and make suggestions	3/6/16	1.40
Carter	ElecDist	Review initial testimony outline, make suggestions, and e-mail to team	3/7/16	0.60
Carter	ElecDist	Conference call - reviewed ideas, strategy and plan for going forward	3/9/16	1.25
Carter	ElecDist	Review and e-mailed suggestions for DERIC DRs and testimony	3/10/16	0.75
Carter	ElecDist	Review and e-mailed suggestions for DERIC DR's and testimony	3/16/16	0.75
Carter Total				10.00
EB	ElecDist	Read and analyze electric distribution chapter Exhibit PG&E-4	9/14/15	2.75
EB	ElecDist	Read and analyze electric distribution chapter Exhibit PG&E-4	9/15/15	1.25
EB	GP	I-p attendance at PG&E workshop overview of GRC filing	9/29/15	4.00
EB	ElecDist	Read and analyze PG&E-4 (Electric Distribution), chapter 17 (New Business)	10/12/15	2.75
EB	ElecDist	Write first data request re PG&E-4 (Electric Distribution), chapter 17 (New Business)	10/12/15	1.75
EB	ElecDist	Write first data request re PG&E-4 (Electric Distribution), chapter 17 (New Business)	10/13/15	2.00
EB	ElecDist	Write data request re chapter 17 (new business), questions on SNEM and EV expenditure estimates and forecasts	10/19/15	2.00
EB	ElecDist	Read and analyze PG&E 2014 decision D. 14-08-032 re new business discussion	10/23/15	1.75
EB	ElecDist	T/c with MCE Jeremy W (MCE) CC W (MCE), Elise t (TURN) re positions and intervenor testimony	10/26/15	0.50
EB	ElecDist	Write data request re electric distribution capacity expenditures (ch. 13)	10/27/15	3.25
EB	GP	In-person attendance at PHC	10/29/15	1.00
EB	ElecDist	Read and analyze PG&E responses to DR TURN 008 re chapter 17 new business	11/5/15	3.75
EB	ElecDist	Draft discovery re Ch 13 VVO Program	12/17/15	1.75
EB	ElecDist	PG&E-4, Electric Distribution, Ch. 17, analyze PG&E workpapers re electric vehicle forecast expenditures	1/4/16	4.25
EB	ElecDist	PG&E-4, Electric Distribution, Ch. 17, analyze PG&E workpapers re electric vehicle expenditures	1/5/16	3.75
EB	ElecDist	PG&E-4, Chapter 17 Electric Distribution, analyze transformer expenditure workpapers	1/8/16	2.75
EB	ElecDist	PG&E-4, Electric Distribution, Ch. 17, analyze Rosen Consulting regression re forecast of new residential and non-residential interconnections	1/11/16	1.75

EB	ElecDist	Examine PG&E workpapers re PG&-4, Ch. 17, new connects regression model	1/20/16	3.25
EB	ElecDist	Examine PG&E workpapers re PG&-4, Ch. 17, VVO program	1/20/16	0.75
EB	ElecDist	Review PG&E responses to data request TURN_035 re VVO program (PG&-4, Ch. 17)	1/21/16	2.25
EB	ElecDist	Meet with Marcel H (TURN) re topics in PG&E-4, Ch. 13	1/21/16	0.50
EB	ElecDist	T/c with Diana G (PG&E) and others re TURN data request	1/21/16	0.50
EB	ElecDist	Read and analyze PG&E-4, Ch.13, Electric Distribution	1/21/16	1.00
EB	ElecDist	Meet with Tom Roberts (ORA) re PG&E-4, Ch. 17, new connects regression model	1/22/16	1.50
EB	ElecDist	Review and analyze PG&E data request responses to TURN 035 re PG&E-4, Electric Distribution Capacity, Ch. 13,	1/26/16	4.25
EB	ElecDist	PG&E-4, Ch. 13, Review and analyze PG&E workpaper re DER integration capacity program	1/26/16	2.25
EB	ElecDist	I/p meeting with PG&E and Tom R (ORA), re new connects regression model	1/28/16	1.50
EB	ElecDist	Draft data request re PG&E-4, Ch. 13, Electric Distribution re Volt-Var Optimization Program	1/28/16	2.75
EB	ElecDist	Analyze PG&E volt-var optimization (VVO) workpapers, PG&E-4, Ch.13, Electric Distribution	1/28/16	2.00
EB	ElecDist	Analyze PG&E volt-var optimization (VVO) workpapers, PG&E-4, Ch.13, Electric Distribution	1/29/16	2.50
EB	ElecDist	Draft data request re VVO program and DERIC program, PG&E-4, Ch. 13, Electric Distribution Capacity	2/2/16	2.00
EB	ElecDist	Analyze new connects regression in PG&E-4, Ch. 17, New Business	2/2/16	3.75
EB	ElecDist	PG&E-4, Ch.13, Electric Distribution Capacity, analyze volt-var optimization (VVO) workpapers	2/4/16	1.75
EB	ElecDist	Examine unit cost workpapers for new connects in PG&E-4, Ch. 17	2/4/16	2.75
EB	ElecDist	Draft discovery re PG&E-4, Ch. 13, VVO	2/4/16	2.50
EB	ElecDist	PG&E-4, Ch.13, Electric Distribution Capacity, analyze volt-var optimization (VVO) workpapers	2/4/16	0.75
EB	ElecDist	Analyze new connects regression in PG&E-4, Ch. 17, New Business	2/5/16	0.50
EB	ElecDist	Re-create new connects regression model, PG&E-4, Ch. 17	2/8/16	3.75
EB	ElecDist	Examine PG&E workpapers re new connects regression model, PG&E-4, Ch. 17	2/9/16	3.25
EB	ElecDist	Examine PG&E workpapers in PG&E-4, Ch. 13, re volt-var optimization costs and benefits model	2/11/16	1.25
EB	ElecDist	PG&E-4, Ch. 13, Examine VVO cost-benefit model	2/12/16	2.25
EB	ElecDist	T/c with Paul Alvarez (Wired Group, TURN consultant) re PG&E-4, Ch. 13, smart grid projects	2/17/16	0.50
EB	ElecDist	PG&E-4, Ch. 13, i/p meeting with PG&E re volt-var optimization cost-benefit model, with Tom R (ORA)	2/19/16	2.00
EB	ElecDist	Draft data request re VVO program, PG&E-4, Ch. 13	2/22/16	1.50
EB	ElecDist	Examine PG&E workpapers re VVO program, PG&E-4, Ch. 13	2/22/16	0.50
EB	ElecDist	Draft data request re VVO program, PG&E-4, Ch. 13	2/23/16	1.25

EB	ElecDist	PG&E-4, Ch. 13, Electric Distribution Capacity, Review and analyze responses to TURN DR 045 re DERIC program	2/26/16	1.25
EB	ElecDist	PG&E-4, Ch. 13, Electric Distribution Capacity, Review and analyze responses to TURN DR 045 re normal capacity deficiencies	2/29/16	4.25
EB	ElecDist	PG&E-4, Ch. 17, re-create new connects regression model from RCG	3/1/16	1.25
EB	ElecDist	PG&E-4, Ch. 13, analyze data request response to TURN DR-045 re volt-var optimization program	3/2/16	3.25
EB	ElecDist	PG&E-4, Ch. 13, analyze data request response to TURN DR-045 re DERIC program	3/2/16	3.50
EB	ElecDist	PG&E-4, Ch. 13, analyze data request response to TURN DR-045 re volt-var optimization (VVO) proposed program	3/3/16	3.25
EB	ElecDist	Write outline re PG&E-4, Ch.13, VVO and DERIC programs	3/7/16	1.25
EB	ElecDist	I/p meeting with Marcel H (TURN) re VVO and DERIC strategy, PG&E-4, Ch.13	3/8/16	0.75
EB	ElecDist	Review outline from Wired Group (Paul A, etc.) re VVO and DERIC program, PG&E-4, Ch.13	3/8/16	0.75
EB	ElecDist	PG&E-4, Ch.13, analyze DERIC workpapers and calculations	3/9/16	1.25
EB	ElecDist	Review DR Responses to TURN DR_61 re PG&E-4, Ch. 13, VVO program	3/14/16	1.75
EB	ElecDist	PG&E-4, Ch. 13, VVO - Read and analyze Navigant study of PG&E VVO Pilot	3/15/16	1.25
EB	ElecDist	Draft data request question re agricultural pumping costs	3/17/16	0.75
EB	DefWk	PG&E-4, Ch. 13, ""deferred maintenance,"" discuss w Marcel H (TURN) deferred projects from prior rate cases	3/23/16	0.75
EB	ElecDist	PG&E-4, Ch. 13, review and analyze DR 068 re capacity deficiency projects that were requested in previous rate cases	3/23/16	2.75
EB	ElecDist	PG&E-4, Ch. 13, analyze PG&E workpapers on deferred capacity projects	3/24/16	4.75
EB	ElecDist	Create outline for written testimony, PG&E-4, Ch. 13	3/25/16	1.25
EB	ElecDist	PG&E-4, Ch. 17, examine unit cost workpapers for new connections	3/25/16	2.25
EB	ElecDist	PG&E-4, Ch. 13, Examine cost workpapers of VVO program	3/25/16	1.25
EB	DefWk	I/p meeting with Tom L, Bob F (TURN) re ""deferred maintenance"" topic for testimony	3/30/16	1.25
EB	ElecDist	PG&E-4, Ch.17, analyze unit cost of new connections	3/30/16	2.75
EB	ElecDist	Analyze ""normal capacity deficiency"" forecasts and expenditures from 2014 and 2017 test year rate case	3/30/16	3.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13, DRP policy	4/1/16	1.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13, capacity deficiencies deferred projects and reprioritization, MWC 46	4/1/16	2.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13, Volt-Var Optimization Program (VVO)	4/1/16	2.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13, Volt-Var Optimization Program (VVO)	4/4/16	4.25
EB	ElecDist	Draft testimony re VVO pilot program, PG&E-4, Ch. 13	4/5/16	4.25

EB	ElecDist	Draft testimony re VVO costs and implementation, PG&E-4, Ch. 13	4/6/16	3.25
EB	ElecDist	Draft testimony re VVO costs and implementation, PG&E-4, Ch. 13	4/7/16	2.75
EB	ElecDist	Draft testimony re VVO, PG&E-4, Ch. 13	4/8/16	2.75
EB	ElecDist	Draft testimony re new connects forecast, PG&E-4, Ch. 17	4/8/16	3.25
EB	ElecDist	Draft testimony re new connects forecast for non-residential electric, PG&E-4, Ch. 17	4/9/16	2.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 17, new non-residential electric connects	4/11/16	3.25
EB	ElecDist	Review PG&E data request response re DERIC program, PG&E-4, Ch. 13	4/12/16	1.00
EB	ElecDist	T/c with Wired Group (Paul A) with Marcel H re DERIC program	4/12/16	0.75
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13	4/12/16	3.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 17	4/12/16	2.75
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13	4/13/16	3.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 17	4/13/16	2.00
EB	ElecDist	Draft testimony re summary of costs and TURN recommendations by work category	4/14/16	1.75
EB	ElecDist	Draft testimony re PG&E-4, Ch. 17	4/14/16	2.75
EB	ElecDist	Draft testimony re PG&E-4, Ch. 17	4/15/16	3.25
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 17	4/17/16	1.75
EB	ElecDist	Edits to testimony and fact-checking re PG&E-4, Ch. 17	4/20/16	5.75
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 17	4/21/16	2.00
EB	GasDist	Draft testimony re PG&E-3, Ch. 8, non-residential gas connects	4/21/16	3.25
EB	ElecDist	Draft testimony re PG&E-4, Ch. 13, Volt-Var Optimization Program (VVO)	4/22/16	3.25
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 17	4/23/16	2.75
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 13	4/23/16	2.00
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 13	4/24/16	3.25
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 17	4/24/16	1.75
EB	ElecDist	Edits to testimony re PG&E-4, Ch. 17	4/26/16	2.50
EB	JCE	Prepare Joint Comparison Exhibit	5/5/16	1.25
EB	ElecDist	Prepare workpapers for submittal to PG&E	5/12/16	1.75
EB	ElecDist	Read and analyze PG&E rebuttal testimony re electric distribution capacity	5/31/16	0.75
EB	ElecDist	Read and analyze PG&E rebuttal testimony re volt-var optimization	5/31/16	1.25
EB	ElecDist	Read and analyze PG&E rebuttal testimony re new business connects, work requested by others	5/31/16	1.25
EB	ElecDist	Draft data request re PG&E rebuttal testimony	6/1/16	0.75
EB	ElecDist	Draft errata re PG&E-4, Ch. 13, MWC 46	6/15/16	1.75
EB	ElecDist	Review of DR responses	6/22/16	1.50
EB Total				232.00
ET	GP	Attend GRC workshop	9/29/15	3.50
ET	GP	Meet with GRC team on case strategy, re-occurring themes in application, approach for application	10/5/15	1.75

ET	HR	Review protest of NDC regarding issue of ""excessive compenstation"" and correspond with NDC on how to avoid duplication	10/23/15	0.75
ET	GP	execute discovery access agreement	10/29/15	0.25
ET	HR	coorespond with consultant regarding preliminary list of issues to address regarding STIP & executive compensation	10/29/15	0.50
ET	HR	call with NDC to discuss division of excessive compensation/ STIP issues	10/30/15	0.50
ET	HR	Review & edit witness' draft of DR on STIP issues	10/30/15	1.00
ET	HR	coorespond with witness regarding issues to address and inform him of Pres. Picker's desires to see safety based goals	10/30/15	0.75
ET	HR	Review witness' changes to STIP DR and revise & finalize	11/4/15	1.00
ET	GP	review scoping ruling section on incentive compensation	12/1/15	0.75
ET	HR	review and edit witness' STIP DR and add quesiton based on scoping ruling	12/1/15	0.75
ET	HR	review PG&E response to DR-21 & discuss confidentiality claims with witness, ask PG&E to re-send failed attachment	12/14/15	1.00
ET	HR	draft and send DR-27	12/15/15	1.00
ET	HR	Discuss PG&E response to DR-27 with J.Sugar and determine whether to challenge confidential designation	1/4/16	0.50
ET	HR	Research AB 1266 for application to PG&E's exec comp request	1/22/16	0.75
ET	HR	Review and analyze Ex.8, Ch. 1 & 3 of PG&E's testimony, flag issues to discuss with experts	2/10/16	2.50
ET	#	attend TURN internal GRC planning meeting	2/11/16	2.00
ET	A&G	Review ch.1 of ex. 9, flag issues to discuss with experts	2/12/16	1.25
ET	A&G	Review & analyze TURN testimony on A&G for PG&E 2014 GRC to identify issues to look for and topics to focus on	2/22/16	2.00
ET	HR	edit & review G.Jones' DR on HR exhibit 8	2/23/16	1.00
ET	A&G	Meet with B.Finkelstein to discuss strategy for A&G testimony and key issues to address. Prep for meeting by reviewing sections of TURN brief on A&G issues	2/25/16	1.75
ET	HR	Call with J.Sugar to discuss issues for STIP testimony, future discovery needed	2/25/16	0.75
ET	HR	Review & edit DR on Pension and other compensation related issues	2/26/16	1.00
ET	HR	Contact ORA and connect HR/STIP witnesses to discuss testimony issues to avoid duplication	3/2/16	0.50
ET	A&G	Coorespond with colleagues and witness & set time for meeting to discuss A&G testimony	3/9/16	0.25
ET	HR	Begin reviewing & analyzing expert witness' draft of testimony on STIP, revise & provide feedback	3/29/16	2.25
ET	HR	finish reviewing & analyzing expert witness' draft of testimony on STIP, revise & provide feedback	3/30/16	2.00
ET	HR	Correspond with witnesses (J.Sugar, G.Jones, B.Marcus) regarding issues for testimony and review of ORA testimony	4/7/16	0.75
ET	#	Meet with H.Goodson RE JCE and process for finalizing testimony	4/14/16	0.50
ET	HR	Review and edit J.Sugar's draft of STIP and Non-qual Retirement Plans testimony, revise and provide feedback	4/21/16	4.25

ET	HR	review & edit beginning of STIP testimony	4/28/16	2.25
ET	HR	review & edit remaining sections of STIP testimony & non-qualified pension benefits	4/29/16	3.25
ET	JCE	Discuss JCT prep with H. Goodson, check in with STIP & Pension witness regarding status. Review PG&E JCT response for STIP for accuracy.	5/4/16	1.00
ET	HR	Draft STIP and NQ Pension plan sections; call with J.Sugar regarding discrepancies. Corespond with H.Goodson regarding need for Errata testimony	5/5/16	2.25
ET	JCE	Review and Edit B.Marcus' HR JCT sections	5/5/16	1.50
ET	HR	Review & edit DR regarding HR issues	5/6/16	0.75
ET	JCE	Review & analyze J.Sugar's edits to STIP and NQ pension JCT, revise	5/6/16	0.75
ET	HR	Review and edit B. Marcus' responses to PG&E DR regarding HR testimony	5/9/16	1.25
ET	HR	Review B.Marcus' HR testimony	5/9/16	1.50
ET	HR	give expert witness guidance regarding issues raised in PG&E rebuttal testimony & how to get exhibit into the record	6/1/16	0.75
ET	HR	corespond with STIP witness regarding need for discovery on PG&E rebuttal and if to file Errata testimony	6/6/16	0.50
ET	Sett	Corespond with Expert J.Sugar and H.Goodson regarding compromise positions for STIP & NQ Pension for settlement, analyze options and determine position	6/16/16	1.00
ET	Sett	Internal TURN discussion regarding status of settlement and next steps	6/20/16	0.25
ET	HR	Review PG&E-18, Errata sections for HR, take notes for potential TURN errata and settlement	6/24/16	1.00
ET	Sett	review NDC proposed agreement with PG&E and give feedback RE if TURN can agree; review Expert's proposed modifications and refine	6/30/16	0.75
ET	Sett	follow up with H.Goodson after her call with NDC on STIP MOU language. Correspond with PG&E & NDC regarding meeting to discuss MOU language	7/1/16	0.50
ET	Sett	Review PG&E HR testimony (Exh. 8) for list of safety STIP metrics and discuss proposed revisions to NDC MOU with T.Gondai of NDC	7/5/16	1.00
ET	Sett	review PG&E STIP rebuttal testimony & take notes for meeting with NDC & PG&E	7/6/16	1.50
ET	Sett	call with NDC and PG&E to discuss changes to MOU & send NDC proposed changes to language	7/6/16	1.00
ET	Sett	review compensation section of draft of Sett. Agreement and give feedback	7/26/16	0.50
ET	WS/EH	review ALJ's email ruling regarding evd. Hearings and corespond with H.Goodson regardin exec. Comp. issues	8/29/16	0.75
ET	WS/EH	review & analyze ALJ's email ruling regarding evd. Hearing regarding exec. Comp. issues	8/31/16	0.25
ET	HR	Corespond with H. Goodson & J. Sugar regarding PG&E's supplement STIP and LTIP exhibits. Review materials and provide feedback on testimony- suggest modifications that would allow for TURN to sign on.	9/26/16	3.25

ET	HR	review Expert's (J.Sugar's) edits and comments on PG&E's supplement STIP/LTIP exhibit. Revise and send H.Goodson final version of TURN's proposed changes	9/28/16	1.00
ET	HR	review SED's ""Safety STIP matrix"" and give feedback, coorespond with expert regarding TURN's response	9/29/16	0.75
ET	HR	Review & analyze PG&E's attachments to exec. Comp-safety exhibit, discuss concerns with H. Goodson; review CAUSE's concerns with proposed exhibit- discuss remedies with H.Goodson; participate in call with all parties discussing exhibit and proposed changes. Review PG&E's revised draft and CAUSE's proposed revisions	9/30/16	2.25
ET	PD	review PG&E GRC PD- HR issues & discussion of STIP & relation to safety; flag issues for comments on PD and send to H.Goodson	3/8/17	1.50
ET Total				70.50
HG	GP	meet with Tom, Bob to discuss case events thus far and case management	10/1/15	1.50
HG	GP	begin review of PG&E's testimony	10/4/15	1.00
HG	GP	continue review of PG&E's application, testimony	10/4/15	1.50
HG	GP	review Tom's draft protest, propose edits	10/5/15	0.25
HG	GP	meet with GRC team re case strategy and coordination	10/5/15	1.75
HG	GasDist	discovery	10/8/15	0.25
HG	Gen	discovery	10/8/15	0.25
HG	Coord	respond to CFC inquiry about last PG&E GRC re their evaluation of whether to intervene in this GRC	10/12/15	0.25
HG	Coord	read other parties protests and responses, makes notes re coord with other interenors	10/13/15	0.75
HG	HR	confer with John S., PG&E re discovery issue (STIP)	10/13/15	0.25
HG	#	discovery	10/14/15	1.00
HG	PTYR	communicate with Cathy re doc needs, and with PG&E re confidential docs access	10/14/15	0.50
HG	Coord	confer with CFC about coordination	10/15/15	0.25
HG	CustSvc	confer with Jeff re data needs	10/15/15	0.25
HG	CustSvc	review Jeff's proposed issue list, discuss same with Marcel	10/15/15	0.25
HG	PTYR	follow-up with PG&E re confid docs for Cathy	10/15/15	0.25
HG	CustSvc	discuss confidential doc issues with PG&E	10/16/15	0.25
HG	GasDist	discovery	10/19/15	0.25
HG	ElecDist	discovery	10/20/15	0.50
HG	Coord	read mtns for party status from CFC, FOE, and discuss GRC team re coordination issues	10/21/15	0.50
HG	CustSvc	begin analysis of PG&E CSO closures proposal	10/21/15	2.00
HG	CustSvc	contact IBEW re CSO closures proposal	10/21/15	0.25
HG	ElecDist	discovery	10/21/15	2.00
HG	GP	call, email L. Tudisco/ORR re schedule and discovery issues	10/21/15	0.25
HG	GP	rsch, confer internally and with ORR, and work on PHC statement	10/22/15	2.50
HG	GP	more work on PHC statement, incorporating input from TURN colleagues	10/23/15	4.00
HG	ElecDist	read PG&E testimony	10/26/15	1.00
HG	ElecDist	discovery (PG&E-4, Ch 3 - emergency prep & response)	10/26/15	0.50

HG	GasDist	mtg with TL, BF to discuss strategy on prudence-related showing requested by TURN	10/26/15	0.50
HG	GP	call with PG&E/S. Frank to discuss schedule, NDA, and additional testimony mentioned in PG&E reply to protests	10/26/15	0.50
HG	Coord	prep for coord mtg with CFC	10/27/15	0.50
HG	Coord	meet with CFC about coord our participation and strategy	10/27/15	1.50
HG	ElecDist	continue reading PG&E testimony	10/27/15	1.00
HG	GP	confer with TURN team on case management issues	10/27/15	1.00
HG	GP	pre-PHC meet and confer	10/27/15	1.50
HG	GP	discuss schedule issues with ORA	10/27/15	0.25
HG	GP	call with PG&E, ORA re schedule	10/28/15	0.50
HG	GP	prep for PHC	10/29/15	0.75
HG	GP	attend PHC	10/29/15	2.50
HG	GP	draft memo to GRC team about PHC	10/30/15	0.50
HG	Afford	mtg with Marcel, Mark T. re research into customer impacts	11/2/15	0.25
HG	Afford	research re R. Colton's energy affordability gap methodology and usefulness for application in CA	11/2/15	0.50
HG	GP	discuss case management, issue coverage with Bill	11/3/15	0.50
HG	ElecDist	continue reading PG&E's testimony	11/4/15	1.50
HG	ElecDist	talk to Marcel about coverage of meter set forecasts	11/4/15	0.25
HG	ElecDist	discovery (Ch. 3 EP&R)	11/4/15	1.25
HG	ElecDist	discovery (Ch. 6 DSO)	11/5/15	0.50
HG	ElecDist	discovery (Ch. 3 EP&R)	11/5/15	0.25
HG	GasDist	discovery	11/5/15	0.25
HG	Gen	internal communication re Gen/Depn overlap issues	11/5/15	0.25
HG	HR	discovery (Ch. 3 STIP)	11/5/15	0.50
HG	CustSvc	read PG&E testimony, WPs, draft DRs (mostly focused on CSO closures)	11/9/15	3.75
HG	ElecDist	discovery	11/9/15	0.25
HG	HR	draft memo to John, Elise re: ""profit culture"" and STIP analysis	11/9/15	0.25
HG	GP	confer with Bob on case management issues	11/10/15	0.25
HG	CustSvc	rsch, discovery	11/12/15	1.75
HG	CustSvc	rsch, discovery re CSO closures	11/17/15	2.50
HG	CustSvc	discovery (Ch. 5)	11/20/15	0.25
HG	ElecDist	discovery (Ch. 3 EP&R)	11/23/15	0.25
HG	PTYR	discovery	11/23/15	0.25
HG	CustSvc	discovery	11/24/15	0.25
HG	Comp	draft NOI, rsch status of updated articles and bylaws	11/25/15	1.00
HG	Coord	draft email to Marcel, Tom re coordinating with other intervenors	11/25/15	0.25
HG	ElecDist	discovery	11/25/15	0.25
HG	ElecDist	discovery -- re Int Planning (PG&E-2, Ch 4)	11/25/15	1.00
HG	PTYR	discovery	11/30/15	0.25
HG	CustSvc	draft email to Marcel, Jeff re analysis of PG&E proposed customer education programs	12/1/15	0.25
HG	ElecDist	discovery	12/1/15	0.25
HG	GP	draft email to TURN attorneys and experts re Scoping Memo	12/1/15	0.25
HG	GP	read Scoping Memo	12/1/15	0.25
HG	HR	discovery	12/1/15	0.25

HG	CustSvc	rsch, discovery (Ch. 4)	12/2/15	5.00
HG	CustSvc	discovery (Ch. 7)	12/4/15	2.00
HG	CustSvc	discovery (Ch. 7)	12/7/15	0.25
HG	GP	prep memo to TURN GRC team re discovery issues	12/7/15	0.50
HG	GP	draft memo to TURN GRC team re confidential DR responses	12/7/15	0.50
HG	GP	prep for discovery process call with PG&E	12/7/15	0.25
HG	GP	call with PG&E on discovery process issues	12/7/15	0.75
HG	#	discovery	12/9/15	1.00
HG	CustSvc	discovery	12/9/15	1.00
HG	PTYR	confer with Cathy	12/9/15	0.25
HG	ShdSvc	discovery	12/9/15	0.25
HG	GasDist	discovery	12/11/15	0.25
HG	ElecDist	discovery (ch 6 - maintenance)	12/14/15	2.00
HG	GP	communicate with PG&E re DRs over the holidays	12/14/15	0.25
HG	HR	consult with Elise re STIP discovery issues	12/14/15	0.25
HG	ShdSvc	discovery	12/14/15	0.25
HG	ElecDist	discovery	12/15/15	0.50
HG	HR	discovery	12/15/15	0.50
HG	PTYR	discovery	12/15/15	0.25
HG	PTYR	read memo from Cathy re PTYR expense options for TURN's consideration	12/15/15	0.25
HG	PTYR	call with Cathy, Marcel, Bob to discuss PTYR expense options and strategy	12/16/15	1.00
HG	CustSvc	discovery (Ch 8)	12/18/15	0.25
HG	ElecDist	discovery (Ch 11, 12, 13)	12/18/15	1.00
HG	ElecDist	discovery (re Int Planning, PG&E-2, Ch 4)	12/18/15	1.50
HG	GasDist	discovery	12/18/15	0.25
HG	A&G	discovery	12/20/15	0.25
HG	Comp	prepare amendment to NOI	1/6/16	0.50
HG	GP	call with S. Frank/PG&E re various discovery matters	1/7/16	0.25
HG	#	discovery	1/8/16	0.25
HG	CustSvc	call with J. Mauldin/CUE re customer service office closures	1/8/16	0.75
HG	CustSvc	review discovery related to customer service office closures	1/8/16	1.50
HG	GasDist	discovery	1/13/16	0.25
HG	CustSvc	call with Jeff re metering	1/14/16	0.50
HG	CustSvc	rsch, discovery (Ch. 5)	1/14/16	1.00
HG	CustSvc	call with Jeff re CSO closures	1/14/16	1.00
HG	ElecDist	discovery	1/15/16	0.25
HG	Afford	discovery	1/19/16	0.25
HG	RBO	discovery	1/19/16	0.50
HG	ShdSvc	discovery	1/20/16	0.25
HG	ElecDist	discovery	1/28/16	0.75
HG	GasDist	discovery	1/28/16	0.25
HG	GasDist	discovery	2/10/16	0.25
HG	Gen	discovery	2/10/16	0.25
HG	Risk/Plan	discovery	2/10/16	0.25
HG	#	internal mgmt, strategy meeting with attorneys working on GRC and Eric	2/11/16	2.00
HG	ElecDist	discovery (Ch 7)	2/11/16	0.25

HG	Coord	call with CUE re office closures	2/12/16	0.25
HG	ElecDist	discovery (Ch 7)	2/12/16	0.25
HG	ElecDist	discovery	2/17/16	1.00
HG	RBO	discovery	2/17/16	0.25
HG	Coord	prep for coordination call with ORA witness Peter Morse	2/19/16	0.25
HG	Coord	call with ORA witness Peter Morse to discuss issue spotting, coverage, strategy, and follow-up re CSO with Clayton	2/19/16	1.25
HG	CustSvc	discovery (Ch 7)	2/19/16	0.50
HG	CustSvc	discovery (Ch 5)	2/19/16	0.25
HG	ShdSvc	discovery	2/19/16	0.25
HG	ElecDist	discovery (IPP)	2/22/16	1.50
HG	RBO	discovery	2/22/16	0.50
HG	ElecDist	discovery (IPP)	2/23/16	0.75
HG	Gen	discovery - hydro	2/23/16	0.25
HG	HR	discovery	2/24/16	0.75
HG	CustSvc	discovery (Ch 7)	2/25/16	0.50
HG	ElecDist	discovery (Ch 9)	2/26/16	0.25
HG	GasDist	discovery	2/26/16	0.25
HG	ElecDist	discovery (Ch 13)	2/29/16	0.25
HG	HR	discovery (Ch 3, 4)	2/29/16	0.25
HG	Coord	mtg with CFC on testimony coverage	3/2/16	1.25
HG	CustSvc	call with CUE, PG&E re CSO closures	3/2/16	0.25
HG	CustSvc	review DR responses from PG&E re CSO closures	3/2/16	0.50
HG	ElecDist	confer with Garrick, Tom re dsurge arrestors discovery	3/2/16	1.00
HG	ElecDist	discovery (surge arrestors)	3/2/16	1.00
HG	Gen	discovery -- hydro	3/2/16	0.25
HG	ElecDist	rsch re surge arrestor program	3/3/16	0.75
HG	GasDist	discovery	3/3/16	0.25
HG	Gen	discovery	3/3/16	0.25
HG	Sett	communicate with CCUE, PG&E, Bob/Jeff re CSO -- potential sett neg	3/3/16	0.50
HG	ShdSvc	discovery	3/3/16	0.25
HG	ElecDist	rsch re surge arrestor program	3/7/16	0.50
HG	ElecDist	confer with Bob re surge arrestor discovery issue	3/7/16	0.50
HG	ElecDist	discovery	3/8/16	0.25
HG	GasDist	discovery	3/8/16	0.25
HG	ElecDist	meeting with M. Shapson re hx CPUC surge arrestor docs	3/10/16	0.25
HG	ElecDist	rsch, discovery (surge arrestors)	3/11/16	3.25
HG	ElecDist	review PRA response from CPUC re surge arrestors and communicate with Garrick re same	3/11/16	0.50
HG	ElecDist	discovery	3/14/16	0.50
HG	Coord	confer with L. Tudisco/ORA re coordinating discovery, testimony	3/15/16	0.25
HG	GasDist	discovery	3/15/16	0.25
HG	Risk/Plan	discovery	3/15/16	0.25
HG	ShdSvc	discovery re IT	3/15/16	0.25
HG	#	begin review of PG&E 2015 recorded costs report	3/16/16	0.50
HG	Coord	discuss getting early copies of ORA draft testimony with ORA, and confer with TURN team re same	3/16/16	0.50
HG	CustSvc	call with J. Mauldin/CUE re local office closures	3/16/16	0.25
HG	PTYR	communicate with PG&E re getting RO Model-Related docs	3/16/16	0.25

HG	PTYR	discovery	3/16/16	0.25
HG	#	discovery management	3/18/16	1.00
HG	ElecDist	discovery	3/18/16	0.50
HG	Risk/Plan	discuss SED WS with Tom	3/18/16	0.25
HG	Sett	call with Jeff re CSO issue, potential settlement neg	3/18/16	0.50
HG	Sett	communicate with CCUE, PG&E, and ORA re CSO -- potential sett neg	3/18/16	0.50
HG	ElecDist	discovery	3/21/16	0.50
HG	ElecDist	discovery	3/22/16	0.25
HG	HR	research for discovery	3/22/16	0.25
HG	Sett	communicate with ORA, CCUE, PG&E re first CSO sett mtg	3/22/16	0.50
HG	HR	discovery	3/23/16	0.25
HG	ElecDist	discovery	3/24/16	0.25
HG	Gen	discovery (fossil)	3/24/16	0.50
HG	PTYR	discovery	3/24/16	0.25
HG	PTYR	read memo from Cathy about testimony strategy and options, and draft email in response	3/24/16	1.00
HG	Sett	prep for, attend Sett mtg re CSO at PG&E	3/24/16	1.50
HG	HR	discovery	3/25/16	0.75
HG	RBO	discovery	3/25/16	0.25
HG	Dep	discovery	3/29/16	0.25
HG	A&G	discovery	3/30/16	1.00
HG	elecdis	discovery	3/30/16	1.75
HG	GasDist	discovery	3/30/16	0.25
HG	elecdis	discovery	3/31/16	0.25
HG	#	review PG&E's March 31, 2016 Budget Report and draft memo to GRC team re same	4/1/16	0.50
HG	A&G	rsch, draft memo to Bill re Reg Affairs issues, need for discovery	4/1/16	1.00
HG	GP	pull together packet of material to prep Nina to take on certain GRC issue areas on Monday	4/1/16	0.75
HG	Sett	review CSO materials from PG&E	4/1/16	0.50
HG	Sett	sett call with PG&E and other parties	4/1/16	0.50
HG	#	confer with ORA on getting early copies of ORA's (near final) testimony, and communicate re same with TURN team	4/4/16	0.25
HG	A&G	meeting with Nina about taking over A&G issues	4/4/16	0.25
HG	CustSvc	call with attorney for SSJID re testimony coordination	4/4/16	0.25
HG	CustSvc	review M-MID draft testimony re customer retention in effort to coordinate, and share same with Jeff	4/4/16	0.25
HG	GP	discuss new Draft Comparison Exhibit req'mt with Bob, draft email re same to PG&E	4/4/16	0.50
HG	PTYR	discuss strategy with Bob	4/4/16	0.25
HG	Sett	further review of data from PG&E re CSOs; draft email requesting clarification on various issues and follow-up after PG&E's initial response	4/4/16	0.75
HG	ShdSvc	discovery	4/4/16	0.25
HG	CustSvc	draft email to Jeff re call tomorrow re various CustSvc issues on my plate	4/5/16	0.25
HG	Sett	further analysis of CSO data from PG&E	4/5/16	1.00

HG	Sett	call with ORA, CUE re PG&E sett offer re CSO	4/5/16	0.50
HG	A&G	discovery	4/6/16	0.25
HG	CustSvc	call with Jeff to discuss testimony on Ch 4, 5, 6, 7	4/6/16	1.00
HG	CustSvc	rsch, draft outline for testimony on Ch 5 (CSO closures)	4/6/16	4.00
HG	Gen	discovery	4/6/16	0.25
HG	#	discuss discovery delays with PG&E and TURN team	4/7/16	0.25
HG	Afford	review draft Colton testimony; provide feedback to Marcel	4/7/16	2.00
HG	elecdis	discovery	4/7/16	0.25
HG	GasDist	discovery	4/7/16	0.25
HG	GP	draft memo to TURN team re same	4/7/16	0.50
HG	GP	call with PG&E, ORA re new Draft Comparison Exhibit, new reqs re supporting docs	4/7/16	0.75
HG	#	begin review of ORA testimony	4/8/16	0.50
HG	Afford	call with Marcel, R. Colton re affordability analysis and testimony	4/8/16	1.00
HG	Afford	finish reviewing Colton testimony, and provide feedback to Marcel	4/8/16	1.00
HG	Coord	coordination call with CFC	4/8/16	0.25
HG	CustSvc	discovery (Ch 7)	4/11/16	0.25
HG	A&G	discovery	4/12/16	0.25
HG	ElecDist	discovery	4/13/16	0.75
HG	Sett	Call from PG&E re settlement discussions; discuss same with Bob	4/13/16	1.00
HG	#	meet with attorneys to discuss testimony-related management issues	4/14/16	1.00
HG	Sett	calls with ORA re potential sett negotiations with PG&E	4/14/16	0.50
HG	#	draft memo to attorneys and witnesses re confidential DRs	4/15/16	0.25
HG	ElecDist	discovery	4/15/16	0.25
HG	PTYR	communicate with ORA re RO Model	4/18/16	0.25
HG	A&G	meeting with Nina to discuss A&G testimony	4/20/16	0.25
HG	CustSvc	read ORA's Cust Svc testimony	4/20/16	1.50
HG	PTYR	confer with Bob on PTYR strategy	4/20/16	0.50
HG	PTYR	review docs from Cathy, read ORA PTYR testimony, in prep for meeting with Cathy	4/20/16	1.00
HG	CustSvc	draft email to PG&E re removing ""confidential"" designation on certain DR responses	4/21/16	0.25
HG	GP	draft memo to attorneys and witnesses re testimony production	4/21/16	1.00
HG	PTYR	discovery to ORA	4/21/16	0.25
HG	PTYR	prep for mtg with Cathy re attrition testimony	4/21/16	0.25
HG	PTYR	call with Cathy to discuss her attrition testimony	4/21/16	1.25
HG	A&G	rsch, supplement Bill's testimony on Reg Affairs to provide more detail on CPUC decisions re PG&E ex parte compliance challenges	4/22/16	1.25
HG	CustSvc	rsch, work on my sections of CSO closures testimony	4/22/16	2.50
HG	ElecDist	draft email to Marcel about testimony prep, confidential material	4/22/16	0.25
HG	GP	discovery management	4/22/16	1.00
HG	CustSvc	continue work on CSO closures testimony	4/23/16	3.25
HG	CustSvc	more research, drafting of CSO closures testimony	4/24/16	12.25
HG	CustSvc	review, edit Jeff's testimony on Contact Centers (Ch 4)	4/25/16	1.00

HG	CustSvc	review, edit Jeff's testimony on Metering (Ch 7)	4/25/16	6.25
HG	HR	review docs, rsch, confer with Bill, Nina re severance	4/25/16	0.50
HG	PTYR	rsch, draft email to Cathy with input on TURN's capital adjustments for use with PYTR presentation	4/25/16	0.50
HG	RBO	review, edit first installment of Bill's testimony on CWC	4/25/16	3.50
HG	CustSvc	rsch for Jeff's metering testimony	4/26/16	0.75
HG	ElecDist	draft email to Nina re review of Garrick's elec dist testimony	4/26/16	0.25
HG	PTYR	rsch for Cathy's testimony	4/26/16	0.25
HG	PTYR	review of Cathy's draft testimony	4/26/16	2.50
HG	CustSvc	review Jeff's revised testimony reflecting my input	4/27/16	2.75
HG	CustSvc	review Jeff's draft re CSO closure costs, rsch re same	4/27/16	1.50
HG	CustSvc	more rsch, work on my CSO closure testimony	4/27/16	3.00
HG	Gen	communicate with Matt about gen testimony	4/27/16	0.25
HG	GP	call with Steve Frank re confidentiality issues	4/27/16	0.25
HG	GP	case management work (confer with JBS team re testimony production)	4/27/16	0.25
HG	HR	review, rsch, edit Bill's HR testimony (Severance, Workers' Comp)	4/27/16	2.00
HG	PTYR	call with Cathy to discuss strategy for expense testimony	4/27/16	0.50
HG	RBO	review, rsch, edit remainder of Bill's CWC testimony	4/27/16	2.50
HG	#	prepare for testimony finalization and service -- inventory, conf docs, large docs, etc	4/28/16	1.50
HG	CustSvc	final review, edit of entire Cust Care testimony; send cmts to Jeff	4/28/16	2.75
HG	CustSvc	edit my CSO testimony, finalize tables and integrate, and work on attachments	4/28/16	5.50
HG	#	oversee final document review and production for service of testimony today	4/29/16	10.25
HG	PTYR	review Cathy's near-final draft, provide feedback	4/29/16	0.75
HG	#	oversee production of additional testimony attachments not served on Friday	5/2/16	2.50
HG	JCE	draft memo to experts and attorneys re comparison exhibit forms, and begin working with experts to fill out forms	5/2/16	1.50
HG	RBO	call with Bob, then Cathy Yap, re enlisting her to help us with an RO run	5/2/16	0.50
HG	#	begin compiling summary of TURN's rev req recs for use in sett analysis	5/3/16	3.25
HG	CustSvc	get WPs supporting CSO testimony in order to provide to PG&E	5/3/16	0.50
HG	JCE	confer with, provide guidance to, attorneys, experts re comparison exhibits forms	5/3/16	1.00
HG	ShdSvc	oversee production of final testimony attachments not served on Friday	5/3/16	0.25
HG	#	continue compiling summary of TURN's rev req recs for use in sett analysis	5/4/16	1.00
HG	JCE	field questions from team on CE	5/4/16	0.25
HG	JCE	work on CE pages for my testimony and Jeff's CS issues on my plate	5/4/16	0.75
HG	Sett	meeting with PG&E, ORA	5/4/16	1.50
HG	Sett	discuss PG&E offer internally	5/4/16	0.50
HG	#	discovery (PG&E to TURN)	5/5/16	1.00

HG	HR	review Bill's CE draft re workers' comp	5/5/16	0.25
HG	JCE	field questions from team on CE	5/5/16	1.50
HG	JCE	review, prep files for transmittal to PG&E	5/5/16	2.50
HG	RBO	review Bill's CE draft pages, email Bill re same	5/5/16	0.50
HG	#	oversee production of CE pages (review content, field questions, look for gaps, meet deadline)	5/6/16	6.00
HG	#	draft memo to attorneys re responding to PG&E discovery	5/10/16	0.25
HG	HR	discovery (PG&E to TURN)	5/10/16	0.50
HG	JCE	follow-up email to PG&E re replacement CE page	5/10/16	0.25
HG	Sett	follow-up email exchange with Bob and Tom re counteroffer	5/10/16	0.25
HG	Sett	draft email to ORA re sett counteroffer	5/10/16	0.50
HG	Sett	call with Bob, Tom re ORA proposed sett counteroffer	5/10/16	4.00
HG	#	review WPs for tender to PG&E	5/11/16	1.00
HG	HR	discovery	5/11/16	0.25
HG	PTYR	discovery (PG&E to TURN)	5/11/16	0.25
HG	Sett	confer with ORA re next counter offer, strategy re same	5/11/16	0.75
HG	Sett	confer internally, and with C. Yap, re strategy for next counter offer	5/11/16	1.75
HG	#	continue compiling info on TURN's full case to assess litigation position	5/12/16	2.50
HG	Afford	discovery (PG&E to TURN)	5/12/16	0.25
HG	HR	discovery	5/12/16	0.25
HG	Sett	draft email to witnesses for information, and relay same to Cathy for RO analysis	5/12/16	1.50
HG	Sett	rsch, prepare elements of counter for tomorrow's mtg with PG&E	5/12/16	1.00
HG	Sett	call with ORA re sett offer, review follow-up doc from ORA	5/12/16	0.25
HG	Sett	call with Cathy to discuss cap ex issues in sett negotiations	5/12/16	0.50
HG	ElecDist	discovery (PG&E to TURN)	5/13/16	0.50
HG	GasDist	confer with Tom, John re John's errata	5/13/16	0.50
HG	Sett	sett conf with ORA, PG&E	5/13/16	1.25
HG	Dep	discovery (PG&E to TURN)	5/16/16	0.50
HG	ElecDist	discovery (PG&E to TURN)	5/16/16	0.25
HG	GasDist	discovery (PG&E to TURN)	5/16/16	0.25
HG	Sett	mtg with ORA, PG&E; confer afterwards with ORA	5/16/16	1.00
HG	Sett	draft memo to Tom, Bob re PG&E 5-16 counter, and other TURN attorneys, and follow-up discussion	5/17/16	1.75
HG	PTYR	review Cathy's response to CUE DR #1, prepare for service	5/18/16	0.25
HG	Sett	internal discussions re settlement negotiations	5/18/16	4.50
HG	Sett	call with Cathy to discuss cap ex issues in sett negotiations	5/18/16	0.50
HG	GasDist	confer with Tom, prep revised TURN-2 for service	5/19/16	0.50
HG	Sett	further calcs, internal discussions re sett tems	5/19/16	0.50
HG	Sett	attend sett mtg with ORA, PG&E	5/19/16	1.00
HG	Sett	call with ORA to discuss next counteroffer	5/19/16	0.50
HG	Sett	confer with Bob on yesterday's sett-related events	5/20/16	0.50
HG	ElecDist	discovery (PG&E to TURN, TURN to PG&E)	5/24/16	0.50
HG	ElecDist	confer with Garrick re errata to his testimony	5/24/16	0.25
HG	Sett	attend sett mtg with ORA, PG&E	5/24/16	1.00
HG	Sett	draft memo to TURN team re sett strategy, next steps	5/24/16	0.50
HG	Sett	communicate with Cathy, M. Pocta/ORA re sett next steps	5/25/16	0.50

HG	Sett	draft memo to Bob, Tom in prep for our call tomorrow morning	5/25/16	0.75
HG	#	continue analyzing TURN's showing to assess litigation position	5/26/16	2.50
HG	Sett	call with Bob, Tom re sett negotiations	5/26/16	0.75
HG	#	begin reviewing rebuttal testimony (general, Gas dist, elec dist, gen, cust svc, HR)	5/29/16	2.50
HG	Sett	call with Bob, Tom, Bill M. re sett negotiations	5/30/16	1.75
HG	Sett	draft memo to Bill Marcus re sett status	5/30/16	0.25
HG	Sett	meeting with PG&E, ORA; follow-up discussion with ORA	5/31/16	1.50
HG	Sett	communicate with Bob, Matt re today's call with PG&E and related settlement issues	6/1/16	0.75
HG	GP	call with ALJ Roscow, PG&E, ORA re requesting continuance in hearings for sett neg't to continue	6/2/16	0.75
HG	GP	communicate with TURN team re this morning's call with ALJ Roscow, and impacts on discovery, errata, etc.	6/2/16	1.00
HG	Sett	begin reviewing first set of ORA proposals re allocating sett \$ (CWC, A&G)	6/2/16	1.00
HG	Sett	review PG&E Excel JCE file	6/3/16	0.25
HG	Sett	discuss A4NR response to formal request for continuance in hearings with Matt, PG&E, and ORA	6/3/16	0.75
HG	Sett	call with PG&E, ORA re process for bringing other parties into sett negotiations	6/3/16	1.25
HG	Sett	call with CFC re sett process, status	6/3/16	0.25
HG	Sett	add'l review of ORA proposals re A&G; begin review of ORA ED O&M proposal	6/3/16	1.00
HG	Sett	analyze ORA proposal re Gen and confer with Bill, Nina, Matt	6/6/16	0.50
HG	Sett	analyze ORA proposal re Elec Dist O&M and discuss same with Nina, Garrick, Marcel	6/6/16	4.50
HG	Sett	confer with Matt re treatment of Diablo issues, A4NR in sett neg't	6/6/16	0.25
HG	CustSvc	discovery -- rebuttal	6/7/16	0.25
HG	ElecDist	discovery -- rebuttal	6/7/16	0.50
HG	GasDist	discovery -- rebuttal	6/7/16	0.25
HG	Sett	call with NDC re sett process	6/7/16	0.25
HG	Sett	confer with CFC, ORA re elec dist O&M issues	6/7/16	0.50
HG	Sett	attend sett conf with all parties; follow up discussion with ORA, PG&E	6/7/16	1.25
HG	Sett	call with CUE re sett process	6/7/16	0.25
HG	Sett	further consultation with Matt re re treatment of Diablo issues, A4NR in sett neg't	6/7/16	0.25
HG	Sett	discuss gas dist approach with Tom	6/7/16	0.25
HG	GasDist	discovery -- rebuttal	6/8/16	0.50
HG	GasDist	prepare John's GasD corrected attachments for service	6/8/16	0.50
HG	GasDist	research and draft emails to Tom re tax issue	6/8/16	1.00
HG	Sett	communicate with Bill M, Matt, and ORA re gen O&M issues	6/8/16	1.00
HG	Sett	communicate with T. Gondai/NDC re sett negotiations	6/8/16	0.25
HG	Sett	draft internal memo soliciting input on ORA's proposals	6/9/16	0.50
HG	Sett	communicate with T. Gondai/NDC re sett negotiations	6/9/16	0.25

HG	Sett	begin review of ORA's proposals re CustSvc, ShdSvc, HR, A&G	6/9/16	2.00
HG	Sett	confer with Marcel re coordinating with NDC re sett issues	6/10/16	0.25
HG	Sett	discuss Gas Dist RRQ issues with Tom, Clayton/ORa re settlement, and conduct analysis re same for TURN strategy	6/10/16	1.00
HG	Sett	prep for, call with SBUA (CustSvc) to discuss their issues, interests in Sett	6/10/16	1.00
HG	Sett	analyze ORA's A&G, HR offer	6/10/16	0.50
HG	Sett	analyze ORA's CustSvc offer, confer with Marcel re same	6/10/16	1.50
HG	#	call with Bill Marcus re errata, settlement issues	6/13/16	0.50
HG	Sett	call with Jeff re customer svc, shared svc issues	6/13/16	0.25
HG	Sett	analysis of ORA sett materials	6/13/16	1.00
HG	Sett	call with SSJID re sett	6/13/16	0.50
HG	Sett	review docs from ORA, confer with M. Poeta	6/14/16	0.75
HG	Sett	internal follow-up discussion re sett, and prepare document re same	6/14/16	1.00
HG	Sett	confer with Marcel, Jeff re CustSvc adjustments	6/14/16	0.75
HG	Sett	call with ORA re gas dist	6/14/16	1.00
HG	Sett	confer with Tom re today's gas dist call with ORA	6/14/16	0.50
HG	Sett	call with Marcel re ORA's proposals for Elec Dist capital in 2015-2015 and 2017	6/15/16	0.25
HG	Sett	call with CUE	6/15/16	0.25
HG	Sett	internal communications re settlment issues	6/15/16	2.50
HG	Sett	call with PG&E, ORA in prep for all-party check-in call	6/15/16	0.25
HG	Sett	call with parties re status of sett negotiations, implications for schedule	6/15/16	0.50
HG	Sett	work on TURN's sett proposal in response to ORA	6/15/16	4.00
HG	Sett	work with TURN attorneys, witnesses, to finalize TURN's sett proposal in response to ORA (O&M, A&G, and CapEx)	6/16/16	5.75
HG	Sett	review, confer internally re ORA suggested changes to TURN proposal; draft and discuss counter proposal with ORA	6/20/16	1.50
HG	Sett	review, confer internally re CUE proposals	6/20/16	0.50
HG	Sett	review R/O output files from ORA and memo; analyze potential areas of change, with input from subject matter attorneys	6/21/16	3.75
HG	Sett	confer with Matt, Marcel re status of NDC, A4NR negotiations with PG&E	6/21/16	0.75
HG	Sett	meet with ORA to discuss adjustments to allocation	6/22/16	1.50
HG	Sett	continue analysis of areas to change proposed allocation; review ORA's suggestions re same	6/22/16	3.00
HG	Sett	rsch, draft memo to SBUA re proposed settlement terms impacting their issues	6/22/16	1.25
HG	Sett	confer with other intervenors (CFC, NDC, SBUA) re status of Sett neg, and specific RRQ issues	6/23/16	1.75
HG	Sett	rsch, draft memo to CFC re proposed settlement terms impacting their issues	6/23/16	1.50
HG	Sett	call with CFC (1.5) and follow-up via email re proposed settlement terms	6/24/16	2.50
HG	Sett	confer with Bill, ORA re CFC issues	6/24/16	0.50

HG	Sett	draft clarifications and other add'l terms to accompany RRQ allocation proposal	6/24/16	2.00
HG	Sett	confer with Bob, Bill re tax memo account language	6/24/16	0.25
HG	Sett	finalize proposed add'l term sheet for ORA review	6/25/16	0.50
HG	Sett	call with S. Frank/PG&E re non RRQ proposals	6/27/16	0.50
HG	Sett	communicate with CFC re settlement proposal	6/27/16	0.50
HG	Sett	communicate with ORA re settlement proposal	6/27/16	0.50
HG	Sett	update Tom on call with PG&E re non RRQ proposals	6/27/16	0.25
HG	Sett	revise draft term sheet to accompany RRQ sett proposal, with input from ORA, Tom	6/27/16	0.50
HG	Sett	discuss sett issues with CUE (TURN-ORA package)	6/28/16	0.25
HG	Sett	attend sett conf with ORA, PG&E re TURN-ORA proposals	6/28/16	1.25
HG	Sett	attend all-party sett status conference	6/28/16	0.50
HG	Sett	discuss status of Sett neg with Tom, Bob, including additional TURN negotiations with PG&E and other parties	6/28/16	1.25
HG	Sett	review draft term sheets between PG&E and 5 parties; draft memo re same to TURN team soliciting input on certain issues	6/29/16	1.00
HG	Sett	communicate with PG&E, EDF re TURN's issues with draft MOU	6/30/16	0.25
HG	Sett	draft memo to Tad Gondai/NDC re TURN's issues with draft MOU	6/30/16	0.50
HG	Sett	confer with Marcel re EDF-PG&E draft MOU	6/30/16	0.25
HG	Sett	confer internally re NDC-PG&E draft MOU	6/30/16	0.50
HG	Sett	talk to T. Gondai/NDC; draft email to PG&E, NDC re proposed MOU; confer with Elise, Marcel who will follow-up with PG&E	7/1/16	1.00
HG	Sett	confer with Matt re A4NR sett with PG&E; draft email to PG&E, A4NR re same; and discuss on sett call with PG&E, ORA	7/1/16	0.75
HG	Sett	participate in 4th all party sett conf call	7/1/16	0.75
HG	Sett	review PG&E response to TURN non-RRQ terms; discuss same with PG&E; confer internally	7/1/16	1.00
HG	Sett	analyze PG&E's suggestions re changes to RRQ allocation per lates RO results, and confer with ORA re same	7/11/16	0.50
HG	Sett	confer with Elise, Marcel on status of negotiations with PG&E/NDC re proposed MOU (STIP/safety; afford metrics)	7/11/16	0.25
HG	Sett	read memo from, and confer with Tom on status of TURN negotiations with PG&E	7/11/16	1.00
HG	Sett	talk to Steve Frank/PG&E re various settlement issues (TURN non-RRQ, etc.)	7/11/16	0.75
HG	Sett	rsch Technical Assistance Program term in PG&E-NDC MOU; draft revised language for consideration by PG&E/NDC	7/11/16	1.00
HG	Sett	draft memo re proposed CUE-PG&E term sheet to TURN attorneys, consultants, seeking add'l input	7/12/16	0.25
HG	Sett	sett status call with all parties	7/12/16	1.00
HG	Sett	analyze proposed CUE-PG&E term sheet, with input from Garrick, Marcel; draft add'l language to propose	7/12/16	3.00
HG	Sett	consult internally and with experts re responding to CUE/PG&E; draft response and tender to PG&E, CUE	7/13/16	2.75

HG	Sett	confer with Tom and PG&E re TURN's safety/accountability terms	7/13/16	1.00
HG	Sett	confer with CUE, ORA re CSO closures issue, and possible counter offer to PG&E	7/13/16	0.25
HG	Sett	draft email to CFC responding to questions about term sheets distributed by PG&E yesterday	7/13/16	0.25
HG	JCE	confer with witness, communicate with PG&E re TURN CE issue	7/14/16	0.25
HG	Sett	review internal input re: CUE principles, work on proposal	7/14/16	0.50
HG	Sett	draft memo to CFC	7/14/16	0.50
HG	Sett	review Tom's proposed response to PG&E's 7-12-16 counter; begin adding add'l language	7/14/16	0.25
HG	Sett	rsch, call with ORA re potential counter offers to PG&E re CSO closures	7/14/16	0.50
HG	Sett	sett discussions with PG&E, ORA	7/15/16	1.75
HG	Sett	all-party sett status call	7/15/16	1.00
HG	Sett	rsch, draft showing requirements for CSO closures counter	7/15/16	0.75
HG	Sett	neg'n call with CUE, PG&E re PG&E-CUE draft term sheet	7/15/16	1.00
HG	Sett	confer with Tom, Bob, Marcel re various live issues in sett neg'n	7/15/16	1.00
HG	Sett	cont. rsch, draft showing requirements for CSO closures counter	7/18/16	2.00
HG	Sett	work on moving various settlement-related issues (EDF, CUE, NDC, PG&E-nonrrq)	7/18/16	3.25
HG	Sett	confer with ORA re more RRQ allocation issues	7/19/16	0.25
HG	Sett	all party call	7/19/16	1.50
HG	Sett	CSO issues -- finalize proposal for PG&E per input from ORA, CUE; present to PG&E	7/19/16	1.00
HG	Sett	confer with Tom on status of TURN's non-RRQ issues	7/19/16	0.50
HG	Sett	confer with PG&E, A4NR re stator project	7/19/16	0.25
HG	Sett	confer internally; prepare response to NDC/PG&E response to TURN's concerns about their draft MOU	7/20/16	0.50
HG	Sett	confer with Bob on status of sett negotiations	7/20/16	0.25
HG	Sett	confer internally re PG&E's response to TURN's proposal re income taxes	7/20/16	0.25
HG	Sett	confer internally; prepare response to CUE/PG&E response to TURN's concerns about their draft term sheet	7/20/16	2.00
HG	Sett	attend all party settlement call	7/21/16	1.25
HG	Sett	confer with Marcel re outstanding affordability issue in PG&E-NDC MOU; draft email to PG&E, NDC re same	7/22/16	0.75
HG	Sett	call with Steve Frank/PG&E re various settlement issues	7/22/16	1.00
HG	Sett	work on various life settlement issues, confer with Marcel re same	7/25/16	1.25
HG	Sett	discuss status of TURN's deferred maintenance issues with Tom, Bob	7/25/16	0.50
HG	#	confer with team re errata	7/26/16	0.75
HG	JCE	communicate with PG&E re JCE	7/26/16	0.25
HG	Sett	discuss settlement strategy issues re deferred maintenance with Bob, Tom	7/26/16	0.50
HG	Sett	confer with Marcel re outstanding elec dist and gas dist sett issues	7/26/16	0.50

HG	Sett	all party settlement call	7/26/16	1.00
HG	Sett	communicate with PG&E, CUE re asset replacement issues	7/26/16	0.25
HG	Sett	begin review of PG&E's CSO closures counter	7/26/16	0.50
HG	Sett	confer with CUE, ORA re CSO closures issue	7/27/16	0.25
HG	Sett	confer with Marcel, Bob re various settlement issues	7/27/16	0.50
HG	Sett	confer with Tom, Bob re deferred maintenance settlement issues	7/27/16	0.75
HG	Sett	talk with Steve Frank/PG&E re deferred maintenance settlement issues	7/27/16	1.00
HG	ElecDist	final prep of TURN-3 errata for service, and confer with witness re JCE impacts	7/28/16	0.50
HG	JCE	work on updates to JCE based on TURN errata	7/28/16	0.50
HG	Sett	attend all party sett mtg	7/28/16	1.00
HG	Sett	call with CUE re CSO issue	7/28/16	0.25
HG	Sett	review PG&E counter re deferred maintenance; confer with Bob, Tom re same; and discuss next steps with PG&E	7/28/16	1.50
HG	Sett	attend sett neg with ORA, PG&E on various outstanding issues	7/28/16	1.00
HG	JCE	rsch, confer with PG&E on JCE changes related to more TURN errata	7/29/16	0.50
HG	Sett	confer with Steve Frank re negotiations today on deferred work / risk issues	7/29/16	0.25
HG	Sett	settlement negotiations with PG&E on deferred work / risk issues	7/29/16	3.50
HG	Sett	follow-up conversation with Tom, Bob	7/29/16	0.25
HG	Sett	confer with CUE re CSO closures	7/29/16	0.25
HG	Sett	prep with Bob, Tom, for sett neg. with PG&E	7/29/16	1.25
HG	Sett	close review of near-final term sheet	7/30/16	2.00
HG	Sett	further close review of near-final term sheet; confer internally	7/31/16	4.00
HG	Sett	confer with Marcel re RRRMA cost recovery; draft note to PG&E with proposal re same	8/1/16	0.50
HG	Sett	all party sett call	8/1/16	1.50
HG	Sett	confer with Tom re new language in sett docs related to deferred work and safety/risk	8/1/16	0.25
HG	Sett	call with Steve Frank/PG&E re various TURN issues in motion and term sheet	8/1/16	0.75
HG	Sett	review, edit sett-related docs	8/1/16	2.00
HG	#	review errata to TURN-8 (Nahigian)	8/2/16	0.50
HG	CustSvc	prepare errata to TURN-7 (Goodson/Nahigian)	8/2/16	0.50
HG	Sett	respond to questions from SBUA, CAUSE re TURN's positions	8/2/16	0.50
HG	Sett	further negotiations on general terms, RRRMA (and confer internally), CSO closures	8/2/16	4.50
HG	Sett	finish review, edit of 8-1 motion	8/2/16	0.75
HG	#	confer with B. Marcus, prepare errata to TURN-6	8/3/16	0.75
HG	Sett	review final docs for today's sett conference	8/3/16	1.25
HG	Sett	attend in-person settlement conference, execute documents	8/3/16	2.00
HG	Non-Sett	confer with Bob, Marcel re cmts opposing contested sett terms	8/4/16	0.75
HG	Sett	read ruling re WS on sett; calls with Bob, PG&E re same	8/10/16	0.75

HG	WS/EH	call with PG&E, ORA re WS on sett	8/15/16	1.00
HG	WS/EH	call with Tom re WS and related mtg with SED	8/16/16	0.25
HG	Non-Sett	confer with Bob re cmts on disputed issues; review draft re same	8/18/16	0.75
HG	Non-Sett	quick read of cmts of other parties on disputed issues	8/19/16	0.50
HG	WS/EH	review PG&E docs related to Sett WS	8/22/16	0.25
HG	WS/EH	talk to Tom about PG&E mtg with SED, prep for WS	8/22/16	0.25
HG	Non-Sett	read memo from Bob re reply comments on disputed issues, and prepare response re issues he raised	8/23/16	0.50
HG	Non-Sett	confer with Bob re reply cmts on disputed issues	8/24/16	0.25
HG	WS/EH	discuss potential edits to PG&E WS ppt internally; begin compiling suggested edits	8/24/16	0.50
HG	Non-Sett	review Bob's draft reply cmts on contested sett issues	8/25/16	1.00
HG	WS/EH	confer with PG&E re WS, and send suggested ""summary"" edits to PG&E	8/25/16	0.25
HG	WS/EH	call with ORA, PG&E in prep for WS after receiving further guidance from ALJ Roscow	8/26/16	1.00
HG	WS/EH	call with Bob, Tom re WS	8/26/16	0.75
HG	WS/EH	review revised PG&E WS Ppt	8/28/16	0.25
HG	WS/EH	confer with PG&E, ORA re tomorrow WS	8/29/16	0.25
HG	PTYR	confer with Bob, Cathy re Thursday's EH on PTYR issues	8/30/16	0.25
HG	WS/EH	attend part of settlement WS	8/30/16	2.50
HG	WS/EH	read ALJ updates on tomorrow's EH; call with Cathy to prep for her participation tomorrow	8/31/16	0.50
HG	WS/EH	attend EH on settlement	9/1/16	5.50
HG	Sett	call with PG&E on RO runs trying to match Sett LOB PTYR allocations	9/15/16	1.00
HG	Sett	review draft materials from PG&E; confer with ORA, Cathy re next steps	9/16/16	0.25
HG	PTYR	call with Cathy, Mark P. re attrition scenarios	9/20/16	0.25
HG	PTYR	communicate with PG&E re new scenario and review same	9/20/16	0.25
HG	PTYR	call with PG&E, ORA re PTYR allocations, Friday's submission re same	9/21/16	0.50
HG	PTYR	review PG&E's documents for Friday's submission; confer with Cathy re same, and propose edit to PG&E	9/22/16	0.25
HG	HR	review PG&E proposed documents re exec comp/safety questions from ALJ & Cmmr. Picker, and draft email to Elise and John requesting their assistance re same	9/26/16	0.50
HG	HR	review input from Elise, John S., provide same to PG&E; review input from SED and request input re same from Elise, John	9/28/16	0.25
HG	HR	review input from other parties on PG&E's draft exhibit re exec comp/safety; confer with Elise, John re same	9/29/16	0.25
HG	HR	review subsequent versions of PG&E's draft exhibit with more edits	9/30/16	0.50
HG	HR	prep for, participate in PG&E call with CAUSE, NDC re consensus HR supp exhibit re exec comp / safety	9/30/16	1.25
HG	PTYR	emails with ORA re PG&E's submission for today describing budget imputation methodology; draft language per ORA/TURN input	10/3/16	0.50
HG	GP	draft ex parte notice re: RCP workshop in R.13-11-006	1/23/17	0.50

HG	PD	begin review of PD	2/27/17	1.50
HG	PD	add'l review of the PD; confer internally re same	3/2/17	1.00
HG	PD	confer internally re PD	3/2/17	0.25
HG	PD	confer with PG&E on responding to PD	3/2/17	0.50
HG	PD	meeting with Tom, Bob to discuss responding to the PD	3/6/17	0.50
HG	PD	call with ORA in prep for the all-settling parties' call on the PD this afternoon	3/7/17	0.50
HG	PD	call with settling parties on responding to the PD	3/7/17	1.00
HG	PD	add'l review of PD	3/10/17	0.25
HG	PD	review PG&E draft cmts on PD re keeping sett intact, and input from other parties re same	3/13/17	0.50
HG	PD	call with sett parties on cmts on PD	3/14/17	1.00
HG	PD	further review of PG&E draft cmts on PD (review issue), rsch re same, and draft email to S. Frank re concerns	3/14/17	0.50
HG	PD	review next PG&E draft joint op cmts, draft edits, and confer with Bob re same, and communicate with PG&E and other interested settling parties	3/14/17	0.75
HG	PD	continue review of PD's treatment of RRRMA, tax issues, and dicta on PTYR	3/14/17	1.25
HG	PD	confer internally re cmts on PD, esp comments on the review of sett agreements	3/14/17	0.75
HG	PD	call with MCE on PD	3/14/17	0.50
HG	PD	confer with Bob re PG&E's draft of tax cmts on the PD	3/17/17	0.25
HG	PD	work on comments on the PD	3/17/17	2.75
HG	PD	draft memo to Bob, Tom re status of comments on the PD (joint, separate, etc.)	3/17/17	0.50
HG	PD	work on cmts on the PD (PTYR rsch, draft)	3/19/17	5.25
HG	PD	review Bob's edits to PTYR argument, and incorporate changes; meet with Bob to discuss same	3/20/17	1.50
HG	PD	continue work on op cmts	3/20/17	1.25
HG	PD	call with Steve Frank/PG&E re cmts on PD, lobbying	3/20/17	0.25
HG	PD	confer internally, and with other parties, re ex parte mtgs	3/21/17	0.25
HG	PD	meet with Bob about reply cmts and prep for ex parte mtgs on Friday	3/22/17	0.75
HG	PD	work on reply cmts	3/27/17	2.00
HG	PD	review reply cmts of other parties	3/27/17	0.50
HG	PD	confer with Tom about ALJ data request re bill impacts	3/27/17	0.25
HG	PD	review ALJ data request re CoC MOU; confer with Marcel re same	3/27/17	0.25
HG	PD	confer with Marcel about ALJ request for COC MOU impacts on PTYR	3/28/17	0.25
HG	PD	review Picker Alternate	4/5/17	0.25
HG	PD	call with S. Frank/PG&E re APD	4/12/17	0.75
HG	PD	review PG&E proposal for revised Sett terms in response to APD; draft email to PG&E re same	4/13/17	0.25
HG	PD	review PG&E's second proposal re modifying settlement terms; confer with Marcel re same; and propose alternative language and discuss with PG&E, ORA	4/14/17	1.00
HG	PD	call with PG&E re RRRMA term of settlement, procedural issues re sett modification	4/17/17	0.50

HG	PD	review PG&E's next draft of RRRMA term; confer with Marcel re same; and send edits to PG&E and ORA	4/18/17	0.50
HG	PD	call with sett parties re potential response to APD	4/18/17	0.75
HG	PD	review next draft of PG&E proposed sett amend, and also draft joint cmts on APD; confer internally re same and submit edits to PG&E	4/19/17	0.75
HG	PD	calls with M. Pocta/ORR, S. Frank/PG&E re joint comments; draft follow-up email to ORR re same	4/20/17	0.50
HG	PD	call with sett parties; review next version of draft joint cmts	4/21/17	0.50
HG	PD	prep for, attend ex parte mtgs with PG&E, ORR	4/26/17	2.25
HG	PD	review PG&E draft ex parte notice for mtgs on 4/26 (PG&E, ORR, TURN), and provide suggested edits	5/1/17	0.50
HG	PD	read revised PD, discuss internally	5/9/17	0.50
HG	AL	draft email to Bill, providing background and asking for assistance in reviewing PG&E's "positive proof" AL	06/14/17	0.25
HG	Comp	begin work on comp request	7/10/17	3.00
HG	Comp	work on comp request	7/11/17	5.75
HG	Comp	work on comp request	7/13/17	7.25
HG	Comp	work on comp request	7/14/17	6.00
HG Total				528.25
J Nahigian	CustSvc	Initial review of Customer Care	9/20/15	1.25
J Nahigian	ShdSvc	Initial review of CRE	9/29/15	2.00
J Nahigian	ShdSvc	prep and discuss getting confidential regional and service center data w/PG&E -- PG&E-7, Ch. 6	10/1/15	0.50
J Nahigian	ShdSvc	write issues list -- CRE and gas buildings	10/9/15	1.00
J Nahigian	CustSvc	write issues list -- regional office consolidation and service center optimization as well CSO closures	10/12/15	1.00
J Nahigian	CustSvc	write issues list -- Customer Service issues	10/14/15	2.00
J Nahigian	ShdSvc	write issues list -- CRE and customer service issues. Finalize and send to TURN	10/15/15	1.50
J Nahigian	CustSvc	begin data request on customer services (CH. 2)	10/19/15	2.00
J Nahigian	CustSvc	DR on Customer service, Ch. 3 and 4.	10/21/15	1.75
J Nahigian	CustSvc	DR on Customer service, Ch.4 and 5	10/22/15	1.75
J Nahigian	CustSvc	analyze WPs on CSO office closures	10/23/15	1.00
J Nahigian	CustSvc	locate and read 2007 settlement on CSO office closures	10/24/15	0.75
J Nahigian	CustSvc	billing and revenue Ch. 8 data request	10/30/15	1.00
J Nahigian	CustSvc	metering issues and data request	11/2/15	1.75
J Nahigian	CustSvc	finalize and send DR on CS issues--PG&E-6	11/3/15	3.00
J Nahigian	ShdSvc	beginning DR on Corporate Real Estate	11/5/15	1.00
J Nahigian	ShdSvc	DR on CRE	11/6/15	1.50
J Nahigian	CustSvc	review ORR DRs on Customer Engagement Ch. 2	11/13/15	1.00
J Nahigian	CustSvc	review ORR DR and responses on meter reading	11/15/15	1.75
J Nahigian	CustSvc	review ORR DR and responses on customer service	11/16/15	3.00
J Nahigian	CustSvc	review responses to ORR CS DRs	11/17/15	2.75
J Nahigian	CustSvc	review ORR DRs on PG&E-6 and review DRs on Ch. 2 and 3 w/TURN	11/18/15	3.00
J Nahigian	CustSvc	review final draft of DR on CSO closures Ch. 5	11/19/15	0.50
J Nahigian	CustSvc	review pricing products--craft questions	11/21/15	1.50
J Nahigian	CustSvc	Ch. 3--res rate reform issues	11/23/15	2.00
J Nahigian	CustSvc	work on DR for Ch. 2 and 3 of PG&E-6	11/24/15	1.00
J Nahigian	CustSvc	e-mail and discussion on Ch. 3 w/TURN	11/25/15	1.50

J Nahigian	CustSvc	additional DRs for Ch. 3	11/27/15	2.00
J Nahigian	CustSvc	DRs for Ch. 3 and Ch. 7	11/29/15	2.00
J Nahigian	CustSvc	review Ch. 7 (MR) and 8 (billing)	11/30/15	2.25
J Nahigian	CustSvc	review Ch. 7 (MR) and 8 (billing)	12/1/15	1.25
J Nahigian	CustSvc	review AMI c-e filing	12/2/15	1.00
J Nahigian	CustSvc	list attachments to DRs for request	12/3/15	0.75
J Nahigian	CustSvc	review edits to DR on Ch. 4--also metering questions.	12/4/15	1.25
J Nahigian	ShdSvc	CRE Shared service	12/7/15	1.00
J Nahigian	ShdSvc	CRE Shared service	12/8/15	1.50
J Nahigian	CustSvc	review DRs on customer service	12/12/15	1.50
J Nahigian	ShdSvc	write DR on CRE issues	12/13/15	1.25
J Nahigian	ShdSvc	write DR on CRE issues	12/14/15	2.50
J Nahigian	ShdSvc	write DR on CRE issues	12/15/15	2.50
J Nahigian	ShdSvc	CRE and Gas Buildings	12/27/15	1.50
J Nahigian	CustSvc	Review CS data request	1/3/16	1.75
J Nahigian	ShdSvc	data request on corporate real estate	1/4/16	4.00
J Nahigian	CustSvc	analyze customer contact issues	1/7/16	2.25
J Nahigian	ShdSvc	data request on corporate real estate	1/8/16	4.00
J Nahigian	CustSvc	review DRs on customer service	1/9/16	2.00
J Nahigian	CustSvc	review DRs on customer service	1/10/16	2.00
J Nahigian	CustSvc	review DRs on customer service	1/11/16	2.50
J Nahigian	CustSvc	review DRs on PG&E-6, Ch. 2 and 5	1/12/16	2.50
J Nahigian	CustSvc	review responses on CSO closures Ch. 5	1/13/16	3.25
J Nahigian	CustSvc	prep and discuss office closure and metering	1/14/16	3.25
J Nahigian	#	memo and analysis on CRE overlap with customer service office closures	1/15/16	2.00
J Nahigian	CustSvc	analyze CUE responses on CSO closure	1/17/16	2.00
J Nahigian	CustSvc	analyze labor savings from CSO closures	1/18/16	1.00
J Nahigian	CustSvc	analyze meter reading issues Ch. 7	1/19/16	1.50
J Nahigian	ShdSvc	Edit DR on Corporate Real Estate	1/19/16	0.50
J Nahigian	CustSvc	analyze meter reading issues Ch. 8	1/20/16	2.00
J Nahigian	CustSvc	CSO office closure and meter reading issues	1/21/16	3.25
J Nahigian	CustSvc	research and find AMI Upgrade WPs for analysis in meter reading	1/22/16	2.00
J Nahigian	CustSvc	metering issues and data request	1/27/16	2.50
J Nahigian	CustSvc	customer engagement and pricing (ch 2 and 3)	1/28/16	3.00
J Nahigian	CustSvc	Metering issues	1/29/16	3.00
J Nahigian	CustSvc	customer engagement analysis	2/1/16	2.00
J Nahigian	CustSvc	meter reading analysis	2/2/16	2.00
J Nahigian	ShdSvc	CRE data response	2/2/16	1.00
J Nahigian	ShdSvc	Review CRE data responses	2/3/16	3.00
J Nahigian	ShdSvc	Review CRE data responses	2/4/16	2.00
J Nahigian	ShdSvc	Review CRE data responses	2/5/16	1.00
J Nahigian	ShdSvc	Review CRE data responses	2/6/16	4.00
J Nahigian	ShdSvc	Review CRE data responses	2/7/16	3.00
J Nahigian	ShdSvc	Review CRE data responses	2/8/16	2.00
J Nahigian	ShdSvc	Review CRE data responses	2/9/16	1.00
J Nahigian	ShdSvc	Review CRE data responses-write followup DR	2/10/16	2.00
J Nahigian	ShdSvc	Review CRE data responses-write followup DR	2/11/16	2.00
J Nahigian	ShdSvc	Review CRE data responses-write followup DR	2/12/16	3.00
J Nahigian	ShdSvc	finalize DR and send to TURN	2/13/16	0.25

J Nahigian	ShdSvc	review ORA DRS on CRE	2/14/16	3.00
J Nahigian	CustSvc	review ORA responses on Customer engagement	2/16/16	4.25
J Nahigian	ShdSvc	add additional CRE question to DR	2/16/16	0.50
J Nahigian	CustSvc	meter reading DR	2/17/16	2.50
J Nahigian	CustSvc	Meter read DR	2/18/16	1.00
J Nahigian	ShdSvc	Seismic Upgrade to CSO	2/18/16	1.00
J Nahigian	CustSvc	Meter Read DR	2/22/16	1.00
J Nahigian	ShdSvc	prep for and have call w/TURN on CRE	2/22/16	2.50
J Nahigian	ShdSvc	CRE analysis	2/26/16	2.25
J Nahigian	ShdSvc	CRE analysis	2/27/16	1.00
J Nahigian	CustSvc	Analysis of PG&E-6, Ch. 3 and 8	2/28/16	1.50
J Nahigian	CustSvc	Customer Engagement analysis	2/28/16	1.50
J Nahigian	CustSvc	Meter Reading analysis	2/29/16	1.50
J Nahigian	CustSvc	Customer Engagement analysis	2/29/16	2.00
J Nahigian	CustSvc	Meter reading analysis	3/1/16	2.00
J Nahigian	CustSvc	Analysis of Ch. 2 and 3	3/2/16	2.00
J Nahigian	CustSvc	CRE DR responses	3/2/16	2.00
J Nahigian	CustSvc	DR on CSO closures	3/2/16	1.00
J Nahigian	ShdSvc	CRE DR responses	3/3/16	5.50
J Nahigian	ShdSvc	CRE analysis	3/4/16	4.00
J Nahigian	ShdSvc	CRE analysis	3/5/16	5.00
J Nahigian	ShdSvc	CRE analysis	3/6/16	3.00
J Nahigian	ShdSvc	CRE analysis and DR follow	3/7/16	4.00
J Nahigian	ShdSvc	CRE analysis and DR follow	3/8/16	3.00
J Nahigian	ShdSvc	CRE analysis and DR follow	3/9/16	3.00
J Nahigian	ShdSvc	CRE analysis and writing	3/10/16	4.00
J Nahigian	ShdSvc	CRE analysis and writing	3/11/16	3.50
J Nahigian	ShdSvc	CRE analysis and writing	3/12/16	4.00
J Nahigian	ShdSvc	CRE analysis and writing	3/13/16	3.00
J Nahigian	ShdSvc	CRE analysis and writing	3/14/16	4.25
J Nahigian	ShdSvc	CRE analysis and writing	3/15/16	3.50
J Nahigian	ShdSvc	CRE analysis and writing	3/16/16	2.50
J Nahigian	ShdSvc	CRE analysis and writing	3/17/16	4.00
J Nahigian	CustSvc	discuss CSO closure w/TURN	3/18/16	0.75
J Nahigian	ShdSvc	CRE analysis and writing	3/18/16	4.75
J Nahigian	ShdSvc	CRE analysis and writing	3/20/16	5.00
J Nahigian	CustSvc	Analysis of CSO closure data	3/21/16	1.00
J Nahigian	ShdSvc	CRE analysis and writing	3/21/16	4.25
J Nahigian	CustSvc	Analysis of CSO closure data	3/22/16	4.00
J Nahigian	CustSvc	Analysis of CSO closure data	3/23/16	1.00
J Nahigian	ShdSvc	review DRs on CRE	3/23/16	1.00
J Nahigian	CustSvc	Analze Customer Engage Issues	3/24/16	4.00
J Nahigian	CustSvc	Analze Customer Engage Issues	3/25/16	4.00
J Nahigian	CustSvc	Analze Customer Engage Issues	3/26/16	2.00
J Nahigian	CustSvc	Analyze PG&E -6, Ch. 2 and 3	3/27/16	3.50
J Nahigian	CustSvc	Analyze Ch. 3 and 4	3/28/16	5.00
J Nahigian	CustSvc	Analyze Ch. 6 and 8	3/29/16	2.50
J Nahigian	CustSvc	Analyze Ch. 6 and 9	3/30/16	2.50
J Nahigian	CustSvc	Analyze Ch. 4 and ORA DRs	3/31/16	2.50
J Nahigian	CustSvc	Analyze Ch. 4 and ORA DRs	4/1/16	4.00
J Nahigian	CustSvc	Analyze various CS DRs	4/2/16	3.50

J Nahigian	CustSvc	Analyze various CS DRs	4/3/16	3.00
J Nahigian	ShdSvc	write DR on CRE issues	4/4/16	3.50
J Nahigian	ShdSvc	Analyze responses to DRs on CRE	4/5/16	4.00
J Nahigian	CustSvc	Prep/develop Ch. 4,5,6, and 7 outline	4/6/16	3.25
J Nahigian	CustSvc	metering analysis	4/7/16	4.50
J Nahigian	CustSvc	write metering chapter	4/8/16	3.50
J Nahigian	CustSvc	write metering chapter	4/9/16	5.75
J Nahigian	CustSvc	write metering chapter	4/10/16	5.00
J Nahigian	CustSvc	write metering chapter	4/11/16	2.00
J Nahigian	CustSvc	write metering chapter	4/12/16	5.00
J Nahigian	CustSvc	prep-develop Ch. 2 draft	4/12/16	2.00
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/13/16	5.00
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/14/16	7.50
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/15/16	5.50
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/16/16	3.00
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/17/16	6.00
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/18/16	5.50
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/19/16	6.50
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/20/16	6.00
J Nahigian	CustSvc	prep-develop Ch. 2 and 3 draft	4/21/16	7.00
J Nahigian	ShdSvc	work on CRE draft	4/21/16	2.00
J Nahigian	ShdSvc	work on CRE draft	4/22/16	9.00
J Nahigian	ShdSvc	work on CRE draft	4/23/16	9.50
J Nahigian	CustSvc	work on meter reading draft	4/24/16	5.00
J Nahigian	CustSvc	write up Ch. 4 and 8 sections	4/25/16	7.00
J Nahigian	CustSvc	work on metering chapter	4/26/16	7.50
J Nahigian	ShdSvc	work on CRE chapter	4/26/16	2.50
J Nahigian	CustSvc	Work on Ch. 2 and 3	4/27/16	5.00
J Nahigian	CustSvc	Work on CSO Chapter	4/27/16	3.00
J Nahigian	ShdSvc	work on CRE chapter	4/27/16	2.50
J Nahigian	CustSvc	Draft work Customer service	4/28/16	4.00
J Nahigian	ShdSvc	Draft work CRE	4/28/16	4.00
J Nahigian	CustSvc	Finalize drafts and attachments	4/29/16	4.50
J Nahigian	ShdSvc	Finalize drafts and attachments	4/29/16	4.50
J Nahigian	JCE	work on comparison exh.	5/3/16	1.50
J Nahigian	JCE	work on comparison exh.	5/4/16	3.50
J Nahigian	JCE	work on comparison exh.	5/5/16	2.00
J Nahigian	JCE	work on comparison exh.	5/6/16	1.00
J Nahigian	CustSvc	Read rebuttal	5/28/16	0.50
J Nahigian	CustSvc	Read rebuttal	5/29/16	3.00
J Nahigian	ShdSvc	Read rebuttal	5/29/16	1.00
J Nahigian	CustSvc	write data request on PG&E-25 rebuttal	5/31/16	3.00
J Nahigian	Sett	work on settlement	6/14/16	1.50
J Nahigian	Sett	work on settlement	6/14/16	1.50
J Nahigian	Sett	work on settlement	6/15/16	1.50
J Nahigian	Sett	work on settlement	6/15/16	1.50
J Nahigian	CustSvc	check testimony/create errata	8/1/16	2.5
J Nahigian	ShdSvc	check testimony/create errata	8/1/16	2.5
J Nahigian	CustSvc	assist with settlement	8/2/16	2
J Nahigian	CustSvc	prep and participate in call on SmartMeter Update c/e	10/6/16	2.5
J Nahigian Total				482

James Garren	Dep	Performing initial review of filing and drafting initial data requests	2/9/16	8.00
James Garren	Dep	Performing initial review of filing and drafting initial data requests	2/10/16	8.00
James Garren	Dep	Performing initial review of filing and drafting initial data requests	2/11/16	6.00
James Garren	Dep	Editing initial data requests	2/15/16	2.00
James Garren	Dep	Reviewing further edits on data requests	2/17/16	1.00
James Garren	Dep	Reviewing responses to initial data requests	3/10/16	8.00
James Garren	Dep	Reviewing responses to initial data requests	3/11/16	8.00
James Garren	Dep	Reviewing responses to initial data requests	3/14/16	8.00
James Garren	Dep	Call do discuss data responses	3/15/16	2.00
James Garren	Dep	Call to discuss ORA depreciation testimony	3/17/16	1.00
James Garren	Dep	Performing life analysis for selected accounts	4/11/16	8.00
James Garren	Dep	Performing life analysis for selected accounts	4/12/16	8.00
James Garren	Dep	Performing life analysis for selected accounts	4/13/16	8.00
James Garren	Dep	Performing net salvage analysis for selected accounts	4/14/16	8.00
James Garren	Dep	Performing net salvage analysis for selected accounts	4/15/16	8.00
James Garren	Dep	Drafting testimony and completing life and net salvage analysis	4/18/16	8.00
James Garren	Dep	Drafting testimony and completing life and net salvage analysis	4/19/16	8.00
James Garren	Dep	Drafting testimony and completing life and net salvage analysis	4/20/16	8.00
James Garren	Dep	Drafting testimony and completing life and net salvage analysis	4/21/16	8.00
James Garren	Dep	Drafting testimony and completing life and net salvage analysis	4/22/16	8.00
James Garren	Dep	Editing testimony	4/25/16	4.00
James Garren	Dep	Completing direct testimony and finalizing exhibits	4/26/16	8.00
James Garren	Dep	Completing direct testimony and finalizing exhibits	4/27/16	8.00
James Garren	Dep	Completing direct testimony and finalizing exhibits	4/28/16	8.00
James Garren	Dep	Completing direct testimony and finalizing exhibits	4/29/16	8.00
James Garren	Dep	Responding to DRs regarding direct testimony	5/12/16	4.00
James Garren Total				172.00
JBS--B Marcus	A&G	review issue of PPP labor factors for compliance with last decision.	8/10/15	0.33
JBS--B Marcus	A&G	TC with Shelly Sharp, PG&E and Jeremy Waen, MCE regarding assignment of overhead costs to public purpose programs for compliance with last GRC settlement.	8/19/15	0.50
JBS--B Marcus	Gen	review Diablo Canyon filing, draft Diablo Canyon DR	9/11/15	3.50
JBS--B Marcus	Gen	review nuclear data responses, write follow-ups	10/5/15	1.25
JBS--B Marcus	Gen	review Diablo Canyon data responses, send follow-ups	10/9/15	0.75
JBS--B Marcus	A&G	Review GO77 material from Mark Toney, draft data request	10/10/15	0.75
JBS--B Marcus	RBO	Review cash working capital testimony, prepare issue memo.	10/11/15	1.00
JBS--B Marcus	#	TC Marcel H and Eric B re meter set forecast.	11/6/15	0.33
JBS--B Marcus	Gen	review fossil decom material from a Texas case for applicability to PG&E estimates	11/16/15	0.42
JBS--B Marcus	A&G	review corporate insurance costs, send data request	12/17/15	1.00

JBS--B Marcus	A&G	review insurance market report from Wells Fargo re insurance cost issues	1/3/16	0.50
JBS--B Marcus	RBO	review testimony and draft cash working capital DR	1/15/16	2.25
JBS--B Marcus	RBO	prepare bonus depreciation data request to PG&E	1/20/16	1.75
JBS--B Marcus	A&G	review corporate insurance responses	2/8/16	0.50
JBS--B Marcus	RBO	Review cash working capital DRs, analyze goods and services lag issues.	2/10/16	1.75
JBS--B Marcus	RBO	work on Working capital goods and services lag data	2/11/16	0.00
JBS--B Marcus	Gen	review fossil O&M materials	2/12/16	1.00
JBS--B Marcus	Gen	review generation depreciation issues, prepare DRs	2/16/16	1.75
JBS--B Marcus	Gen	TC Bob F re: hydro and fossil depreciation and decommissioning	2/17/16	0.42
JBS--B Marcus	RBO	Review cash working capital DRs, send a follow-up, draft notes for testimony	2/19/16	2.25
JBS--B Marcus	Gen	review hydro expense section, draft DRs	2/22/16	4.00
JBS--B Marcus	Gen	review and draft brief memo on response to TURN generation depreciation DR.	2/23/16	0.25
JBS--B Marcus	Gen	review hydro section, draft DRs	2/23/16	4.00
JBS--B Marcus	RBO	review CWC data request 55	3/14/16	0.42
JBS--B Marcus	RBO	TC Tom Long re implications of repair deduction and bonus depreciation for revenue requirements and capital project forecasting.	3/17/16	0.50
JBS--B Marcus	HR	draft severance DR, review other HR and A&G expenses	3/22/16	3.00
JBS--B Marcus	Gen	draft fossil generation DR	3/23/16	3.00
JBS--B Marcus	HR	review 2015 data, develop human resources follow-up DR	3/24/16	3.75
JBS--B Marcus	RBO	work on LTSA prepayment issues and data request, review other cash working capital DRs	3/25/16	3.25
JBS--B Marcus	A&G	prepare DR on dues, donations, etc.	3/28/16	2.00
JBS--B Marcus	RBO	analyze prepayments in more detail	3/28/16	2.75
JBS--B Marcus	HR	review data responses, analyze workers compensation issues	3/30/16	2.50
JBS--B Marcus	A&G	review A&G DRs	4/15/16	0.75
JBS--B Marcus	Gen	work on fossil generation issues	4/15/16	3.75
JBS--B Marcus	A&G	work on A&G and insurance	4/18/16	2.00
JBS--B Marcus	Gen	calculate and draft generation depreciation, complete fossil and alternative generation draft	4/18/16	5.00
JBS--B Marcus	A&G	work on A&G issues	4/19/16	2.25
JBS--B Marcus	HR	work on HR issues	4/19/16	2.25
JBS--B Marcus	A&G	work on A&G and insurance	4/20/16	4.25
JBS--B Marcus	A&G	draft insurance section, make calculations	4/21/16	3.50
JBS--B Marcus	Gen	make calculations regarding hydro, edit generation section	4/21/16	1.75
JBS--B Marcus	A&G	complete draft of insurance and A&G	4/22/16	3.75
JBS--B Marcus	Gen	start making hydro calculations	4/22/16	2.25
JBS--B Marcus	RBO	work on other accounts receivable, prepayments	4/23/16	3.00
JBS--B Marcus	HR	draft human resources section	4/25/16	7.75
JBS--B Marcus	#	edit document and respond to comments	4/26/16	1.50
JBS--B Marcus	RBO	work on additional cash working capital sections	4/26/16	5.25
JBS--B Marcus	#	edit remainder of testimony start developing attachments	4/27/16	6.00
JBS--B Marcus	A&G	draft clothing and gear section	4/27/16	2.25
JBS--B Marcus	#	edit document	4/28/16	1.50
JBS--B Marcus	Gen	write Diablo Canyon	4/28/16	5.00
JBS--B Marcus	Gen	start drafting hydro, make calculations	4/28/16	3.00

JBS--B Marcus	Gen	continue draft of hydro section	4/29/16	2.50
JBS--B Marcus	Gen	finish drafting hydro	4/29/16	5.50
JBS--B Marcus	JCE	start putting together comparison exhibit	5/2/16	0.33
JBS--B Marcus	JCE	work on comparison exhibit	5/3/16	2.00
JBS--B Marcus	JCE	prepare comparison exhibit materials	5/4/16	4.00
JBS--B Marcus	#	complete comparison exhibit work, work on responding to PG&E data requests	5/5/16	3.00
JBS--B Marcus	#	respond to data requests, develop and edit workpapers	5/6/16	7.50
JBS--B Marcus	Sett	TC with TURN re potential settlement	5/30/16	1.50
JBS--B Marcus	Sett	review generation settlement issues.	6/8/16	0.58
JBS--B Marcus	Sett	review and analyze settlement changes	6/14/16	1.25
JBS--B Marcus	Sett	review capital portion of settlement document, respond to other questions from Hayley	6/15/16	0.58
JBS--B Marcus	Sett	TC ORA re settlement issues	6/22/16	0.50
JBS--B Marcus	Sett	Discuss gas settlement issues with Tom Long	6/27/16	0.33
JBS--B Marcus	Sett	respond to CUE settlement issue	7/14/16	1.50
JBS--B Marcus	Sett	draft small addition on prepayments in 2020 for settlement	8/1/16	0.25
JBS--B Marcus	#	work on errata to testimony	8/3/16	0.50
JBS--B Marcus	PD	review and respond to tax issues in PD	3/2/17	0.33
JBS--B Marcus	PD	TC Bob and memo to Hayley on tax issues in PD	3/3/17	0.25
JBS--B Marcus	AL	Analyze PG&E's AL 3851-G/5087-E	6/16/17	0.75
JBS--B Marcus Total				151.32
JBS--G Jones	ElecDist	Review Electric Distribution Case	9/3/15	1.60
JBS--G Jones	ElecDist	Research and draft testimony re Idle Facilities (PG&E-4, Ch. 6) (2.75 hrs), review case regarding draft DRs re Surge Arrestor Grounding (PG&E-4, Ch. 6) (3.25 hrs)	9/4/15	6.00
JBS--G Jones	ElecDist	Review case and Draft DRs re New Business (PG&E-4, Ch. 17) (0.75 hr), Electric Distr. Capacity (Ch. 13) (0.75 hr.); Elect Dist. Maintenance (Ch. 6) (4.5 hrs)	9/9/15	6.00
JBS--G Jones	ElecDist	Review case and draft DRs re Elect. Distr. Maintenance (PG&E-4, Ch. 6)	9/10/15	6.48
JBS--G Jones	ElecDist	Review case and draft DRs re Elect Distr. Maintenance (PG&E-4, ch. 6) (2.1 hr); Emergency Preparedness (PG&E-4, ch. 3) (1.75 hrs); Review, draft notes re Electric Distribution (3.1 hrs)	9/11/15	6.96
JBS--G Jones	ElecDist	Review of Electric Distribution exhibit, draft notes regarding potential issues (Summary, Ch. 1; Emergency Preparedness, ch. 3)	9/14/15	4.00
JBS--G Jones	ElecDist	Review of Electric Distribution exhibit (PG&E-4), draft notes regarding potential issues (Emergency recovery, Ch. 4 (1.5 hrs); System Ops, Ch. 5 (.75 hr.); Maintenance, Ch. 6 (0.71 hr.), Support Activities, Ch. 19 (1 hr.)	9/15/15	4.21
JBS--G Jones	ElecDist	Review and take notes on Elect Dist. (PG&E-4) (Maintenance, Ch. 6 (0.6); Vegetation Mngm't, Ch. 7 (2.3 hrs); Pole Asset Mngm't, Ch. 8 (0.6 hr.); New Business & WRO, Ch. 17 (1 hr)	9/16/15	4.50
JBS--G Jones	ElecDist	Review and take notes on Elect Dist. (PG&E-4) (Reliability, Ch. 9 (2.25 hrs.), Automation & Protection (1.91 hrs))	9/17/15	4.16
JBS--G Jones	ElecDist	Review and take notes on Elect Dist. (PG&E-4) (Reliability, Ch. 9 (2.25 hrs.), Automation & Protection, Ch. 10 (1.91 hrs))	9/18/15	3.00

JBS--G Jones	ElecDist	Review and take notes on Elect Dist. (PG&E-4) (Underground Asset Mngm't, Ch. 11 (1.5 hrs); Substation Asset Mngm't, Ch. 12 (0.94 hrs); Mapping and Records Management, Ch. 16 (1.5 hrs)	9/21/15	3.96
JBS--G Jones	ElecDist	Analyzing various ED Maintenance Issues (Overhead, Insulator washing, infrared inspection and tags, etc.	9/22/15	3.56
JBS--G Jones	ElecDist	Meeting with TURN to discuss Electric Distribution issues, draft memo to TURN regarding ratemaking in attrition years	9/28/15	1.23
JBS--G Jones	ElecDist	Review case and draft DRs re ED Maintenance (PG&E-4, ch. 6)	9/30/15	1.21
JBS--G Jones	ElecDist	Draft memos to TURN (re New Business and Elec Dist Capacity (PG&E-3 Chs 17 and 13) and Surge Protection (Ch. 6)	10/14/15	0.76
JBS--G Jones	ElecDist	Review case and draft DRs re Dist Syst Operations (PG&E-4, Ch. 5) (0.75 hrs); Emergency Response and Preparedness (Ch. 3) (5 hrs)	10/19/15	5.75
JBS--G Jones	ElecDist	Compare 2017 Substation Capacity case (PG&E-4, Ch. 13) to 2011 case (and TURN's tty there) to ensure our position there was compatible with a position in this case (.75 hr.); review and draft DRs on Maintenance - Ch. 6 (2.1 hrs)	10/20/15	2.85
JBS--G Jones	ElecDist	Edit and draft surge arrestor DRs (PG&E-4 - ch. 6, 0.35hr.); review ED Maint PG&E-4, Ch. 6, 2 hr.; and Reliability (Ch. 9, 1.5 hrs).	10/21/15	3.85
JBS--G Jones	ElecDist	Review PG&E testimony, draft DRs (Reliability PG&E-4, Ch. 9 (0.5 hr.); Integrated Planning - PG&E-2, Ch. 4) (3 hrs))	10/22/15	3.63
JBS--G Jones	ElecDist	Review case and draft DRs re Elec Dist Reliability (PG&E-4, Ch. 9) (1 hr.) draft testimony re same (1 hr.)	10/23/15	2.00
JBS--G Jones	ElecDist	Respond to California Consumer Federation regarding issue coordination (i.e., responding to PG&E's use of ""miscellaneous"" accounts)	10/27/15	0.22
JBS--G Jones	ElecDist	Edit DRs re Emergency Preparedness and Response (PG&E-4, Ch. 3)	11/4/15	0.50
JBS--G Jones	ElecDist	Review DR responses re Surge Protectors, draft memo to TURN regarding confidentiality issue for two attachments therein	11/6/15	0.25
JBS--G Jones	Risk/Plan	Review case, draft DRs, review re Intergrated Magagement (RIBA, etc.) (as well as downloading various ORA DRs	11/10/15	2.50
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	11/12/15	4.00
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	11/13/15	3.12
JBS--G Jones	ElecDist	Draft DRs re Reliability (PG&E-4, Ch. 9)	11/16/15	2.00
JBS--G Jones	GP	Participate in Intoductory Workshop - Generation	11/16/15	3.25
JBS--G Jones	ElecDist	Review case material and draft DRs re general maintenance and Surge Arrestors (PG&E-4, Ch 6)	11/17/15	4.83
JBS--G Jones	ElecDist	Review case material and draft DRs on Reliability (PG&E-4, ch 9, 2.1 hrs); on OH maintenance (PGE-4, ch. 6) (3.83 hrs)	11/18/15	5.93
JBS--G Jones	ElecDist	Review case, draft DRs re ED Maintenance (PG&E-4, Ch. 6).	11/19/15	4.28
JBS--G Jones	ElecDist	Review case, draft DRs re ED Maintenance (PG&E-4, Ch. 6)	11/20/15	6.10

JBS--G Jones	ElecDist	Review case, draft DRs re ED Maintenance (PG&E-4, ch. 6)	11/23/15	6.46
JBS--G Jones	ElecDist	Review case, draft DRs re ED Maintenance (PG&E-4, Ch. 6) (4 hrs); Review, draft, and edit DR re reliability (PG&E-4, Ch. 9) (2.63 hrs.);	11/24/15	6.63
JBS--G Jones	ElecDist	Review case, draft DRs re ED Maintenance (PG&E-4, ch. 6)	11/25/15	3.00
JBS--G Jones	ElecDist	Review case, draft DRs re ED Maintenance (PG&E-4, Ch. 6).	11/30/15	5.12
JBS--G Jones	ElecDist	Review case, draft DRs re Veg Mngm't (PG&E-4, Ch. 7) and Pole Asset mngm't (Ch. 8)	12/1/15	6.13
JBS--G Jones	ElecDist	Review and draft DRs re: Pole Mngmt (Ch. 8) (45 mins), Underground Asset Mngm't (Ch. 11) (4.25 hrs.)	12/2/15	5.50
JBS--G Jones	ElecDist	Analysis and Draft DRs on Underground Replacement (PG&E-4, Ch. 11)	12/3/15	4.04
JBS--G Jones	ElecDist	Review and draft DRs re UAM (Ch. 11)	12/4/15	3.00
JBS--G Jones	ElecDist	Review case, draft DRs re Underground Asset Management	12/7/15	4.12
JBS--G Jones	ElecDist	Review case, draft DRs Substation Asset Mngm't (PG&e-4, Ch. 12)	12/9/15	6.50
JBS--G Jones	ElecDist	Review case, draft DRs and testimony re Substation Asset Mngm't (PG&E-4, Ch. 12)	12/10/15	5.90
JBS--G Jones	ElecDist	Review DR responses, and draft DRs re Risk Assessment and Integrated Planning (PG&E-2, Chs. 3 and 4) and how the two interact.	12/11/15	3.69
JBS--G Jones	ElecDist	Review case, draft DRs re: Dist Syst Operations (PG&E-4, Ch. 5) (4.93 hrs.); Draft memo to TURN re: issues in New Bus and WRO (Ch. 17) (0.57 hr.)	12/14/15	5.50
JBS--G Jones	ElecDist	Review and draft DRs re Substation Asset Mngmt (PG&e-4, Ch. 12) (3.63 hrs.); Distribution Syst. Operations (Ch. 5) (3 hrs). Edit ED Maintenance (Ch. 6) (0.5 hr.)	12/15/15	7.13
JBS--G Jones	ElecDist	Review and draft DRs re Int Planning (PG&E-2, Ch. 4) (0.5 hr.); Substation Asset Mngm't (PG&E-4, Ch. 12) (4.26 hrs.)	12/16/15	4.76
JBS--G Jones	ElecDist	Review, edit DRs (PG&E-4, Ch. 11, 12) (0.35 hr.), Review, Draft DRs PGE-4, Ch. 16	12/17/15	4.43
JBS--G Jones	ElecDist	review, analyze, and draft DRs re Mapping (PG&E-4, Ch. 16) and IT (PG&E-7)	12/18/15	4.50
JBS--G Jones	Risk/Plan	Edits to PG&E-2, Ch. 4	12/18/15	1.00
JBS--G Jones	ElecDist	Review text, draft notes - Mapping (PG&E-4, Ch. 16) and IT (PG&E-7) (3.6 hrs). Draft memo for TURN re: ED Capacity issues (PG&E-4, Ch. 13).	1/4/16	3.90
JBS--G Jones	ElecDist	Review text, draft notes - Mapping (PG&E-4, Ch. 16) and IT (PG&E-7)	1/5/16	6.61
JBS--G Jones	ElecDist	Analysis, draft DRs Pole Mngmt (PG&E-4, Ch. 8)	1/7/16	4.63
JBS--G Jones	ElecDist	Analysis, draft DRs Pole Mngmt (PG&E-4, Ch. 8)	1/8/16	3.89
JBS--G Jones	ElecDist	Review testimony, workpapers, draft DRs re: Pole Management (PG&E-4, Ch. 8)	1/12/16	4.12
JBS--G Jones	Risk/Plan	Review testimony, draft DRs re: Integrated Planning	1/13/16	3.16
JBS--G Jones	Risk/Plan	3.5 hrs. on Integrated Planning (PG&E-2, Ch. 4); draft notes and memo regarding Britton Powerhouse, for which PG&E diverted reserve funds because it was cancelled	1/14/16	4.00
JBS--G Jones	Risk/Plan	4.5 hrs. on Integrated Planning (PG&E-2, Ch. 4)	1/15/16	4.50
JBS--G Jones	Risk/Plan	Draft DRs re Integrated Planning (PG&E-2, Ch. 4)	1/19/16	1.50
JBS--G Jones	Risk/Plan	Draft DRs re Integrated Planning (PG&E-2, Ch. 4)	1/20/16	1.50

JBS--G Jones	ElecDist	Draft memo to TURN re interface btwn Line Sensors and Smart Meters for Reliability (PG&E-4, Ch. 9) (0.25 hr.); Review and draft DRs re Integrated Planning (PG&E-2, Ch. 4) (4.5 hrs.)	1/21/16	4.75
JBS--G Jones	Risk/Plan	Draft DRs re Integrated Planning (PG&E-2, Ch. 4)	1/22/16	6.43
JBS--G Jones	Risk/Plan	Draft DRs re Integrated Planning (PG&E-2, Ch. 4)	1/25/16	5.79
JBS--G Jones	Risk/Plan	Draft DRs re Integrated Planning (PG&E-2, Ch. 4) (2.8 hrs.); Review testimony and draft DRs re Pole Mngm't (PG&E-4, Ch. 8) (4.60 hrs.)	1/26/16	7.40
JBS--G Jones	ElecDist	Review and draft DRs re Vegetation Mngm't (PG&E-4, Ch. 7)	1/27/16	7.63
JBS--G Jones	ElecDist	Review DRs, case and draft further DRs re ED Reliability (PG&E-4, Ch. 9)	1/28/16	6.00
JBS--G Jones	ElecDist	Status and strategy meeting with TURN PG&E-4 (1.5 hrs.); review and analyze DRs, draft notes re Reliability (PG&E-4, ch. 9) (1.5 hrs.), Substation Asset Mngm't (Ch. 12) (2 hrs.), Emerg. Prep and Resp. (Ch. 3) (1.25 hrs.), UG Asset Mngm't (Ch. 11) (1 hr.)	1/29/16	7.25
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	2/1/16	6.04
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	2/2/16	4.14
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	2/3/16	4.31
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	2/4/16	4.92
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	2/5/16	4.65
JBS--G Jones	ElecDist	Review case, draft DRs re Reliability (PG&E-4, Ch. 9)	2/8/16	1.75
JBS--G Jones	ElecDist	Review and draft DRs related to Smart Grid (Line Sensors, FLISR, Detect and Locate) within Reliability (PG&E-4, Ch. 9).	2/9/16	3.58
JBS--G Jones	ElecDist	Review and draft DRs related to Smart Grid (Line Sensors, FLISR, Detect and Locate) within Reliability (PG&E-4, Ch. 9).	2/10/16	2.00
JBS--G Jones	ElecDist	Review DRs and Draft follow up DRs re Veggie Management (PG&E-4, Ch. 7)	2/11/16	1.15
JBS--G Jones	ElecDist	Review and draft DRs related to Smart Grid (Line Sensors, FLISR, Detect and Locate) within Reliability (PG&E-4, Ch. 9)	2/11/16	2.71
JBS--G Jones	ElecDist	Draft and Edit Veggie Mngm't DRs (PG&E-4, Ch. 7)	2/12/16	0.78
JBS--G Jones	HR	Edit Review testimony, draft DRs re HR (PG&E-8, Ch. 2, 4-6)	2/12/16	5.00
JBS--G Jones	ElecDist	Draft DRs re Reliability, Smart Grid	2/16/16	4.75
JBS--G Jones	HR	Review testimony, draft DRs re HR (PG&E-8, Ch. 2, 4-6)	2/16/16	2.25
JBS--G Jones	ElecDist	Draft DRs re Reliability, Smart Grid.	2/17/16	4.36
JBS--G Jones	ElecDist	Draft DRs re IT/GIS (PG&E-4, Ch. 16 and PG&E-7, Ch. 8b)	2/18/16	3.91
JBS--G Jones	ElecDist	Draft DRs re Surge Arrestors (PG&E-4, Ch. 6)	2/18/16	1.25
JBS--G Jones	ElecDist	Draft edits to Ch. 9 DR (.40 mins)	2/18/16	0.40
JBS--G Jones	ElecDist	Draft DRs re ED Maintenance (Surge Arrestors)	2/19/16	5.26
JBS--G Jones	ElecDist	Draft and edit DRs re: ED Maintenance (specifically surge protectors)	2/22/16	3.80
JBS--G Jones	Risk/Plan	Drafting and editing DR re: Integrated Planning	2/22/16	1.30
JBS--G Jones	ElecDist	Draft DRs re ED Maintenance (Surge Arrestors)	2/23/16	4.54
JBS--G Jones	HR	HR Edit DR	2/23/16	0.75

JBS--G Jones	ElecDist	Draft DRs re Surge Arresters (PG&E-4, Ch. 6)	2/24/16	4.24
JBS--G Jones	ElecDist	Draft DRs re Surge Arrestors (PG&E-4, Ch. 6)	2/25/16	4.43
JBS--G Jones	ElecDist	Draft and Edit DRs Reliability (Ch. 9)	2/26/16	0.41
JBS--G Jones	ElecDist	Draft DRs re Surge Arrestors (PG&E-4, Ch. 6)	2/26/16	4.26
JBS--G Jones	ElecDist	Draft Capacity DRs that overlap with Reliability chapter (PG&E-4, Ch. 13)	3/1/16	3.00
JBS--G Jones	ElecDist	Review and draft DRs re: Reliability programs (PG&E-4, Ch. 9)	3/1/16	1.00
JBS--G Jones	ElecDist	Draft DRs re Surge Arrestors in Reliability chapter (PG&E-4, Ch. 6)	3/2/16	1.00
JBS--G Jones	ElecDist	Draft Capacity DRs that overlap with Reliability chapter (PG&E-4, Ch. 13)	3/2/16	4.00
JBS--G Jones	ElecDist	Draft DRs re Surge Arrestors in Reliability chapter (PG&E-4, Ch. 6)	3/3/16	0.75
JBS--G Jones	ElecDist	Draft DRs of Capacity issues related to DRIP (PG&E-4, Ch. 13)	3/3/16	0.75
JBS--G Jones	ElecDist	Review and draft DRs re Mapping and Records managemet (PG&E-4, Ch. 16)	3/4/16	1.80
JBS--G Jones	ElecDist	Draft DR re Reliability (PG&E-4, Ch. 9)	3/4/16	0.25
JBS--G Jones	ElecDist	Review Vegetation Mngm't DRs, draft follow up (PG&E-4, Ch. 7)	3/4/16	1.25
JBS--G Jones	ElecDist	Review and edit DR re Capacity (FLISR-related) (PG&E-4, Ch. 13)	3/7/16	0.40
JBS--G Jones	Risk/Plan	Review Integrated Planning DR response (PG&E-2, Ch. 4)	3/7/16	0.30
JBS--G Jones	ShdSvc	Review and draft DRs re IT (PG&E-7, Ch. 8b)	3/7/16	0.80
JBS--G Jones	ShdSvc	Review and draft DRs re IT (PG&E-7, Ch. 8b)	3/8/16	1.75
JBS--G Jones	ShdSvc	Review and draft DRs re IT (PG&E-7, Ch. 8b)	3/9/16	3.00
JBS--G Jones	ElecDist	Review and draft DRs re Mapping and Records Mngm't (PG&E-4, Ch. 16)	3/10/16	3.20
JBS--G Jones	ShdSvc	Review and draft DRs re IT (PG&E-7, Ch. 8b)	3/10/16	2.89
JBS--G Jones	ElecDist	Review and draft DRs re Mapping and Records Mngm't (PG&E-4, Ch. 16)	3/11/16	5.89
JBS--G Jones	ElecDist	Review And draft DRs re Mapping and Records Mngm't (PG&E-4, Ch. 16)	3/14/16	1.93
JBS--G Jones	ShdSvc	Review and draft DRs re IT (PG&E-7, Ch. 8b)	3/14/16	1.52
JBS--G Jones	ElecDist	edit and draft DRs Mapping and records mngm't (PG&E-4, Ch. 16)	3/15/16	1.00
JBS--G Jones	ShdSvc	Draft DRs and Edit DRs re IT (PG&E-7, Ch. 8b)	3/15/16	0.45
JBS--G Jones	ElecDist	Review case and draft DRs re Electric Distribution Technology (PG&E-4, Ch. 15)	3/16/16	1.50
JBS--G Jones	ElecDist	Review case and draft DRs re Mapping and Records Mngm't (PG&E-4, Ch. 16)	3/17/16	4.18
JBS--G Jones	ElecDist	Review case and draft DRs re Electric Distribution Technology (PG&E-4, Ch. 15)	3/17/16	2.11
JBS--G Jones	ElecDist	Review case and draft DRs re Electric Distribution Technology (PG&E-4, Ch. 15)	3/18/16	1.88
JBS--G Jones	ShdSvc	Review case and draft DRs re IT (PG&E-7, Ch. 8b)	3/18/16	2.62
JBS--G Jones	ElecDist	Edit and draft DRs re Mapping and Records Mngm't (PG&E-4, Ch. 16)	3/21/16	2.34
JBS--G Jones	ElecDist	Edit and draft DRs re Electric Distriubtion Technology (PG&E-4, Ch. 15)	3/21/16	1.43

JBS--G Jones	ElecDist	Review case and draft DRs re IT (PG&E-4, Ch. 8b)	3/21/16	0.79
JBS--G Jones	ElecDist	Review DR responses, analyze and draft follow up DRs re Underground Asset Mngm't (PG&E-4, Ch. 11)	3/22/16	2.00
JBS--G Jones	ElecDist	Analyze material and draft DRs on Pole Management (PG&E-4, Ch. 8)	3/22/16	2.00
JBS--G Jones	ElecDist	Review DR responses, analyze and draft follow up DRs re Underground Asset Mngm't (PG&E-4, Ch. 11)	3/23/16	0.50
JBS--G Jones	ElecDist	Review DR responses and analyze reliability related to FLISR costs	3/24/16	3.25
JBS--G Jones	ElecDist	Review DR responses and have phone conference with PG&E re: Vegetation Management (PG&E-4, Ch. 7)	3/24/16	1.00
JBS--G Jones	ElecDist	Review DR responses and analyze Reliability programs (PG&E-4, Ch. 9)	3/24/16	1.25
JBS--G Jones	ElecDist	Review 2015 recorded costs for expense and capital, multiple Electric Distribution issues	3/25/16	1.00
JBS--G Jones	ElecDist	Review DRs and case material, draft DRs re Underground Asset Mngm't (PG&E-4, Ch. 11)	3/25/16	1.13
JBS--G Jones	ElecDist	Review DR responses, draft DRs re Pole Maintenance (PG&E-4, Ch. 8)	3/25/16	0.98
JBS--G Jones	ElecDist	Review DR responses and case, draft follow up DRs re Emergency Preparedness & Response (PG&E-4, Ch. 3)	3/25/16	2.38
JBS--G Jones	ElecDist	Review DR responses, draft DRs re Pole Maintenance (PG&E-4, Ch. 8)	3/28/16	2.77
JBS--G Jones	ElecDist	Review DRs and case material, draft DRs re Underground Asset Mngm't (PG&E-4, Ch. 11)	3/28/16	1.41
JBS--G Jones	ElecDist	Draft testimony re Distribution System Operations (PG&E-4, Ch. 5)	3/29/16	0.33
JBS--G Jones	ElecDist	Review DR responses, do analysis re ED Maintenance (PG&E-4, Ch. 6);	3/30/16	2.30
JBS--G Jones	ElecDist	Draft memo to TURN re ED Capacity (PG&E-4, Ch. 13)	3/30/16	0.33
JBS--G Jones	ElecDist	Edit and draft DRs re Pole Repalcements (PG&E-4, Ch. 8)	3/31/16	0.38
JBS--G Jones	ElecDist	Edit and draft DRs re Underground Asset Management (PG&E-4, Ch. 11)	3/31/16	0.25
JBS--G Jones	ElecDist	Review ORA's testimony regarding Electric Distribution Capital Expenditure (PG&E-4, all various chapters)	4/7/16	0.55
JBS--G Jones	HR	Review HR- Benefits DRs (PG&E-8, Ch. 4)	4/7/16	0.36
JBS--G Jones	ElecDist	Review DRs re ED Maintenance (PG&E-4, Ch. 6) - Surge Arrestors	4/8/16	2.00
JBS--G Jones	ElecDist	Review DRs and analyze Surge Arrestor issue (PG&E-4, Ch. 6)	4/11/16	3.30
JBS--G Jones	ElecDist	Review DRs and draft testimonony re Surge Arrestors (PG&E-4, Ch. 6)	4/12/16	4.50
JBS--G Jones	ElecDist	Draft DRs for Surge Arrestors (PG&E-4, Ch. 6)	4/12/16	1.50
JBS--G Jones	ElecDist	Review DRs and draft testimony for Underground Asset Management (PG&E-4, Ch. 11)	4/13/16	8.70
JBS--G Jones	ElecDist	Review DRs and draft testimony for Substation Asset Management (PG&E-4, Ch. 12)	4/14/16	8.05
JBS--G Jones	ElecDist	Review DRs and draft testimony for Underground Asset Management (PG&E-4, Ch. 11)	4/14/16	3.93
JBS--G Jones	ElecDist	Review DRs and draft testimony for Substation Asset Management (PG&E-4, Ch. 12)	4/15/16	2.73

JBS--G Jones	ElecDist	Review DRs and draft testimony for Underground Asset Management (PG&E-4, Ch. 11)	4/15/16	0.00
JBS--G Jones	ElecDist	Draft DRs for Substation Asset Management (PG&E-4, Ch. 12)	4/15/16	0.71
JBS--G Jones	ElecDist	Review DRs and Draft ED Reliability testimony (PG&E-4, Ch. 9)	4/15/16	5.63
JBS--G Jones	ElecDist	Review DRs and Draft ED Reliability testimony (PG&E-4, Ch. 9)	4/18/16	14.50
JBS--G Jones	ElecDist	Review DRs and Draft ED Reliability testimony (PG&E-4, Ch. 9)	4/19/16	12.50
JBS--G Jones	ElecDist	Review DRs and draft testimony for Substation Asset Management (PG&E-4, Ch. 12)	4/20/16	9.01
JBS--G Jones	ElecDist	Review DRs and draft testimony for Underground Asset Management (PG&E-4, Ch. 11)	4/21/16	9.21
JBS--G Jones	DefWk	Draft memo to TURN regarding deferred maintenance/programs	4/22/16	0.61
JBS--G Jones	ElecDist	Review DRs and draft testimony for Underground Asset Management (PG&E-4, Ch. 11)	4/22/16	6.86
JBS--G Jones	ElecDist	Review DRs for and analysis of OH Notifications and other more minor ED Maintenance programs (PG&E-4, Ch. 6)	4/24/16	4.43
JBS--G Jones	ElecDist	Review DRs for and analysis of OH Notifications ED Maintenance programs (PG&E-4, Ch. 6)	4/25/16	8.16
JBS--G Jones	ElecDist	Draft ER&P testimony (PG&E-4, ch. 3)	4/26/16	3.40
JBS--G Jones	ElecDist	Draft ED Maintenance (PG&E-4, Ch. 6) Surge Arrestors	4/26/16	9.20
JBS--G Jones	ElecDist	Draft combined section on ERIM (PG&E-7, Ch. 8b) and RIM (PG&E-4, Ch. 4)	4/27/16	7.61
JBS--G Jones	ElecDist	Draft ED Maintenance (PG&E-4, Ch. 6) Surge Arrestors	4/27/16	1.13
JBS--G Jones	ElecDist	Edit Underground Asset Management (PG&E-4, Ch. 12)	4/27/16	0.77
JBS--G Jones	ElecDist	Edit Substation Asset Management (PG&E-4, Ch. 12)	4/27/16	1.08
JBS--G Jones	ElecDist	Edit Emergency Response and Preparedness (PG&E-4, Ch. 3)	4/27/16	1.35
JBS--G Jones	ElecDist	Draft combined section on ERIM (PG&E-7, Ch. 8b) and RIM (PG&E-4, Ch. 4)	4/28/16	7.54
JBS--G Jones	ElecDist	Draft testimony on Surge Arrestors (PG&E-4, Ch. 6)	4/28/16	2.28
JBS--G Jones	ElecDist	Assemble attachments	4/28/16	1.00
JBS--G Jones	ElecDist	Drafting and editing entire testimony, assembling attachments	4/29/16	9.39
JBS--G Jones	JCE	Draft Comparison Exhibit	5/3/16	1.00
JBS--G Jones	ElecDist	Draft errata (PG&E-4, Ch. 5)	5/5/16	0.32
JBS--G Jones	JCE	Draft comparison Exhibit	5/5/16	3.10
JBS--G Jones	JCE	Draft Comparison exhibit	5/6/16	2.45
JBS--G Jones	ElecDist	Work on development of workpapers	5/9/16	4.31
JBS--G Jones	ElecDist	Work on development of workpapers	5/10/16	3.61
JBS--G Jones	ElecDist	Work on development of workpapers	5/11/16	3.12
JBS--G Jones	ElecDist	Respond to PG&E data request (PG&E-4, Ch. 3)	5/12/16	0.70
JBS--G Jones	ElecDist	Produce workpapers	5/12/16	1.56
JBS--G Jones	ElecDist	Draft errata (PG&E-4, Ch. 11)	5/12/16	0.25
JBS--G Jones	ElecDist	Respond to PG&E data request (PG&E-4, Ch. 11)	5/12/16	0.70
JBS--G Jones	ElecDist	Draft errata (PG&E-4, Ch. 3)	5/12/16	0.35
JBS--G Jones	Sett	Compute total capital adjustments, draft memo to TURN re capital adjustments by line-item	5/12/16	0.63

JBS--G Jones	ElecDist	Draft errata (PG&E-4, Ch. 6)	5/13/16	0.43
JBS--G Jones	ElecDist	Produce Workpapers	5/13/16	1.93
JBS--G Jones	ElecDist	Review analysis and draft errata PG&E-4, Ch. 11.	5/23/16	4.53
JBS--G Jones	ElecDist	Review analysis and draft errata PG&E-4, Ch. 12.	5/24/16	4.44
JBS--G Jones	Sett	Review settlement agreement issues in electric distribution, draft memo to TURN regarding findings	6/3/16	0.55
JBS--G Jones	Sett	Analysis for, draft memos to and speak with TURN re settlement discussions	6/6/16	1.78
JBS--G Jones	Sett	Review and draft settlement table items for TURN in support of settlement process	6/10/16	0.35
JBS--G Jones	Sett	Analyze reprioritization issue regarding ED Capacity ("Upper Lake" capacity) (PG&E-4, Ch. 13)	6/15/16	0.33
JBS--G Jones	Sett	Analysis regarding 2017 capital spending for settlement proceedings (all MWCs)	6/16/16	1.63
JBS--G Jones	Sett	Research and draft memo for TURN re: "steady state" related to settlement discussions	7/12/16	1.18
JBS--G Jones	Sett	Research and draft memo for TURN re: "Cable Replacement" related to settlement discussions	7/12/16	1.04
JBS--G Jones	Sett	Research and draft memo for TURN re: "Line Sensors" related to settlement discussions	7/12/16	1.67
JBS--G Jones	Sett	Analyze, draft memo for TURN re: "steady state" and "critical operating equipment" related to settlement discussions	7/15/16	0.97
JBS--G Jones	Sett	Analyze and draft memo for TURN re Line Sensors in support of settlement discussions	7/20/16	0.50
JBS--G Jones	Sett	Analyze and draft memos for TURN re Cable Replacement in support of settlement discussions	7/20/16	1.09
JBS--G Jones	Sett	Review settlement language re pole and cable replacement, draft memo to TURN re same.	7/25/16	0.25
JBS--G Jones	ElecDist	Draft errata	7/27/16	0.75
JBS--G Jones	JCE	Draft updates to Comparison exhibit based on revised testimony	7/29/16	0.60
JBS--G Jones Total				645.25
JBS--G Ruzovan	ElecDist	Distribution Safety - Review MDR Data Responses, analyze safety algorithm	9/9/15	1.42
JBS--G Ruzovan	#	Testimony Preparation - Attachments	4/26/16	2.38
JBS--G Ruzovan	#	Testimony Preparation - Attachments	4/27/16	6.07
JBS--G Ruzovan	#	Testimony Preparation - Attachments	4/28/16	6.00
JBS--G Ruzovan	#	Testimony Preparation - Attachments	4/29/16	7.00
JBS--G Ruzovan Total				22.87
JBS--J Sugar	GasDist	Review Application Integrated Plng/Risk Test.	9/2/15	4.25
JBS--J Sugar	GasDist	Review Application Gas Distribution Testimony	9/4/15	4.83
JBS--J Sugar	GasDist	Review Integrated Planning/Risk WP, RET algorithm	9/8/15	5.25
JBS--J Sugar	GasDist	Work to reproduce Chap 3, Risk Rating example results,	9/9/15	4.35
JBS--J Sugar	HR	Review Master D.R. regarding Incentive Compensation	9/9/15	1.83
JBS--J Sugar	GasDist	Review Gas Dist. WP - develop DR quests.	9/10/15	5.16
JBS--J Sugar	GasDist	Complete DR on Gas Dist. - communicate w/ TURN	9/11/15	4.68
JBS--J Sugar	HR	Review Testimony and WP re: Compensation	9/16/15	2.74
JBS--J Sugar	GasDist	Dev. issues doc. for TURN re: Safety and Gas Dist.	9/17/15	1.83
JBS--J Sugar	GasDist	Quick Review 2014 and 2017 Gas Dist. WPs	9/17/15	2.41
JBS--J Sugar	GasDist	Review TURN GT&S Brief	9/21/15	2.41

JBS--J Sugar	GasDist	Begin Comp. gas safety MWC/MAT 2014 GRC forecast w 2017 Rec.	9/22/15	3.91
JBS--J Sugar	GasDist	Gas Dist, review spending pattern in SoCalGas GRC	9/22/15	0.42
JBS--J Sugar	GasDist	Review Gas Dist Issues Memo - discuss w/ TURN	9/23/15	0.92
JBS--J Sugar	GasDist	Build Compare spreadsheet w/ 2014 forecast, recorded and 2017 forecast Gas Dist. Capital and details	9/23/15	4.16
JBS--J Sugar	GasDist	Develop Comp. of 2014 and 2017 forecast Gas Dist Capit.	9/24/15	5.41
JBS--J Sugar	GasDist	Pursue changes in safety capital spend, add DR quest	9/28/15	5.15
JBS--J Sugar	GasDist	Work on Gas Dist. Capital Cost DR Questions, re: unit cost and transition yrs.	9/29/15	5.08
JBS--J Sugar	GP	Participate in PG&E initial Conference Call for overview workshop (partial)	9/29/15	0.33
JBS--J Sugar	GasDist	complete gas distribution capital DR #1	9/30/15	4.25
JBS--J Sugar	GasDist	Review SMAP workshop documents re: safety ranking models	9/30/15	0.83
JBS--J Sugar	GasDist	Set up Spreadsheet for Expense MAT's 2014 and 2017 for Gas Dist. - start entry	10/1/15	4.33
JBS--J Sugar	GasDist	Centralize 2014 GRC Gas Dist. Expense forecasts/recorded for safety-Maint. MATs	10/2/15	3.84
JBS--J Sugar	GasDist	Check of Expend. for Gas Record Digital Transfer - 2017 forecast to 2014 Rec.	10/5/15	0.25
JBS--J Sugar	GasDist	Working on spreadsheets of 2014 recorded vs. 2017 forecast	10/5/15	4.25
JBS--J Sugar	GasDist	data entry for unit cost-forecasts for O&M MATs in Gas Dist.	10/6/15	0.74
JBS--J Sugar	GasDist	Develop DR re: Leak Survey and Repair forecast for Gas Dist.	10/6/15	4.17
JBS--J Sugar	GasDist	Review PD in R.13-11-006 for impact on safety issues in Gas Dist. this gRC	10/6/15	0.16
JBS--J Sugar	GasDist	Review-Tighten Gas Leak DR Draft - finalize for TURN	10/7/15	2.24
JBS--J Sugar	GasDist	Spreadsheet for O&M spend compare	10/7/15	2.49
JBS--J Sugar	GasDist	Review final Gas Capital DR draft	10/7/15	0.25
JBS--J Sugar	GasDist	Adjust comparison worksheets for Gas Dist. Capital and O&M between GRCs	10/8/15	2.25
JBS--J Sugar	HR	Review STIP testimony and WP discussion - Start DR	10/8/15	1.33
JBS--J Sugar	HR	Review Total Compensation summary in Exh. 8	10/8/15	1.42
JBS--J Sugar	GasDist	review PG&E Spend v. Budget spreadsheet - MDR 25-1 - Atch 2 Summarize	10/12/15	0.84
JBS--J Sugar	HR	Review PG&E Annual Rpts. re: ""Natural Gas Issues"" STIP Income Exception	10/12/15	5.25
JBS--J Sugar	GasDist	Add Gas Dist. forecast cost in ORA-MDR 25-1 Atch 2 - to compare w/ budget	10/13/15	3.74
JBS--J Sugar	GasDist	Review SED Report on PGE Gas records as relates to 2017 request	10/13/15	1.17
JBS--J Sugar	GasDist	Add Gas Dist 2014 Decisions Results and forecasts to compare w/ 2017 budgets	10/14/15	3.41
JBS--J Sugar	GasDist	Review PG&E Growth forecast, download Calif. DOF and Caltrans forecasts	10/14/15	1.16
JBS--J Sugar	GasDist	Rev./revise DR on risk and gas dist.... incl.workpaper rev.	10/15/15	1.08
JBS--J Sugar	GasDist	Devel. list of Gas Dist. Expenses w/ exceptional spend or cost changes	10/15/15	3.33

JBS--J Sugar	GasDist	Confirm execmptional Gas Dist. expense changes, dev. DR Quests	10/16/15	3.66
JBS--J Sugar	GasDist	Rev. Gas Dist. Capital cost spreadsheet for DR quests	10/19/15	5.16
JBS--J Sugar	GasDist	Develop Questions for Mid-October Gas Distribution Capital Cost DR	10/20/15	3.58
JBS--J Sugar	GasDist	Complete draft of Mid-Oct. Gas Dist. DR - vet O&M Cost Quests	10/21/15	5.08
JBS--J Sugar	GasDist	Rev. Gas Dist. DR - research detail on gas monitoring spend	10/27/15	4.16
JBS--J Sugar	HR	Develop questions re: Short-Term Incentive goals	10/27/15	1.33
JBS--J Sugar	GasDist	Review Exh. 14 re: ERIM and Gas Dist. costs	10/28/15	0.58
JBS--J Sugar	GasDist	Rev. 2013 Overland Report re: Gas Leak Surveys, RecordKeeping re 2017 Test.	10/28/15	2.58
JBS--J Sugar	HR	Review 2014 GRC DRs re: STIP - adding to Draft DR	10/28/15	1.42
JBS--J Sugar	GasDist	Rev. DR 7 resp., research Picarro leak-find effectiveness in 2014 & 2017 GRCs	10/29/15	2.50
JBS--J Sugar	HR	Complete STIP DR draft	10/29/15	0.42
JBS--J Sugar	GasDist	Review Picarro Study, compare w/ 2014, dev. DR quests.	11/2/15	4.83
JBS--J Sugar	GasDist	Rev. Gas leak survey test. and Picarro test - expand DR	11/3/15	3.33
JBS--J Sugar	GasDist	Review Mid-October Gas Dist. DR, related materials	11/3/15	1.08
JBS--J Sugar	A&G	Review A&G Ethics Officer - start DR quests	11/4/15	0.58
JBS--J Sugar	GasDist	Expand Gas Dist DR to Picarro implementation and non-Picarro Best Practices	11/4/15	3.76
JBS--J Sugar	HR	Reviw Supplemental Pensions (SERP) and related	11/4/15	0.66
JBS--J Sugar	GasDist	Review Leak Model re: DR questions	11/5/15	3.41
JBS--J Sugar	GasDist	Reseach Gas Dist. Capital Auth. in 2014 GRC for TURN	11/5/15	0.67
JBS--J Sugar	A&G	Evaluate A&G test. re: Continuous Imprpovement and ethics,	11/6/15	3.16
JBS--J Sugar	GasDist	Investigate PG&E Gas Leak Survey/Repair Model	11/9/15	4.41
JBS--J Sugar	A&G	Review Fed. Sentencing Guidelines and SOX Act of 2002 re: Exh. 9 Compliance and Ethics Test.	11/10/15	0.41
JBS--J Sugar	HR	Research on STIP Financial Measure - start test. outline	11/10/15	3.91
JBS--J Sugar	GasDist	Edit and comment on Gas Dist - leak-related DR	11/11/15	0.58
JBS--J Sugar	HR	Research STIP Financial measure - devel test. bkgrnd	11/11/15	2.92
JBS--J Sugar	GasDist	Work w/ Atty on Gas Dist. DR edits-	11/12/15	0.41
JBS--J Sugar	HR	Develop STIP Financial Perfor. Test.	11/12/15	3.74
JBS--J Sugar	GasDist	Begin Review of Gas Dist. ORA DR responses	11/16/15	3.41
JBS--J Sugar	GasDist	Review ORA DRs re: Gas Dist.	11/17/15	0.58
JBS--J Sugar	GasDist	Review responses to ORA Gas Dist. DRs	11/18/15	2.41
JBS--J Sugar	GasDist	Review responses to TURN gas dist. DRs	11/18/15	1.32
JBS--J Sugar	HR	Research Finan. Perfor. and draft STIP tesimony/devel. DR Quests.	11/19/15	4.33
JBS--J Sugar	HR	Research Items Impacting Comparability re: STIP impact	11/20/15	2.33
JBS--J Sugar	GasDist	Review Exh. 15 and D1511006 re: responses to CYCLA and Liberty	11/23/15	3.08
JBS--J Sugar	ShdSvc	Review Exh. 7 and WPs, Shared services re: Fleet Issues/spending after seeing H2 car in PG&E TV ad	11/23/15	1.24
JBS--J Sugar	GasDist	Rev. Chap. 9- Gas R&D - Develop DR quests re - completion, B/C and safety rankings	11/24/15	4.92
JBS--J Sugar	GasDist	Review DR 11 responses	11/30/15	0.33
JBS--J Sugar	HR	Draft STIP Finan. Perf. Test. - add safety Issue	11/30/15	3.66
JBS--J Sugar	HR	Review DR 12 responses	11/30/15	0.33

JBS--J Sugar	HR	Review DR 12 - Cust. Satisfaction Survey Instrument and Application	11/30/15	0.75
JBS--J Sugar	HR	Compl initial data input for STIP Financial Perfor WPs	12/1/15	1.92
JBS--J Sugar	HR	Complete STIP DR 2	12/1/15	0.58
JBS--J Sugar	HR	Incorp. 2014 GRC Decision text in STIP testimony	12/1/15	2.16
JBS--J Sugar	GasDist	Conf. call w/ ORA re: Gas Dist. Approach and prep	12/2/15	5.33
JBS--J Sugar	GasDist	Download ORA DR Responses to avoid duplication -	12/2/15	2.49
JBS--J Sugar	GasDist	Review Cyclo 2014 GRC Recomm. re: cost	12/2/15	1.25
JBS--J Sugar	GasDist	Review Cyclo Atch. 6 and start DR re: cost recommend.	12/4/15	4.33
JBS--J Sugar	GasDist	Devel/Vet DR quest. re: Gas Dist. and Pipe repl. progs.	12/7/15	4.08
JBS--J Sugar	GasDist	Rev. new Gas Dist. DR responses	12/8/15	0.33
JBS--J Sugar	GasDist	Develop Gas Dist Pipe and Equip replacement quests	12/8/15	4.16
JBS--J Sugar	GasDist	Review Gas Dist Cyclo recommend - and compare w/ test	12/9/15	1.92
JBS--J Sugar	GasDist	Download ORA DR Responses	12/9/15	0.91
JBS--J Sugar	HR	Edit Draft of STIP finan. Meas. test. - Add graphic on excluded costs	12/9/15	1.67
JBS--J Sugar	GasDist	Review Gas Leak OIR submittals - compare to GRC test.	12/10/15	1.33
JBS--J Sugar	GasDist	Devel. DR. Questions re: Gas Dist. Picarro and met	12/10/15	2.49
JBS--J Sugar	GasDist	Review TURN DR responses re: Gas Dist.	12/10/15	0.75
JBS--J Sugar	GasDist	Compare of 3 Picarro Gas Dist. Test Results & PGE plans	12/11/15	1.66
JBS--J Sugar	GasDist	Revi. Gas Dist. ""Exponent"" regulator repl. study & edit DR	12/11/15	1.75
JBS--J Sugar	GasDist	Download-Review Missing PG&E responses to ORA's MD	12/14/15	1.08
JBS--J Sugar	GasDist	Edits to Gas Dist. DR	12/14/15	0.58
JBS--J Sugar	HR	Find references for STIP testimony in 2014 GRC	12/14/15	0.58
JBS--J Sugar	HR	STIP testimony development	12/14/15	0.33
JBS--J Sugar	HR	Resp. to TURN re: Conf. attach.t to STIP DR - research 2011 GRC DR resp.	12/14/15	0.74
JBS--J Sugar	GasDist	Final edits to Gas Dist. DR	12/15/15	0.75
JBS--J Sugar	GasDist	Track unit costs of Gas Dist. Capital - btwn 2014 and 2017 GRCs	12/15/15	4.08
JBS--J Sugar	GasDist	Dev. DR quets re: Gas Dist. pipe repl. and repair unit costs	12/16/15	2.83
JBS--J Sugar	GasDist	Dev. details of Gas Dist. Service Repl. costs - compare w 2014 GRC	12/16/15	1.33
JBS--J Sugar	HR	Develop DR quests re: STIP Cust Satisfaction	12/16/15	0.33
JBS--J Sugar	GasDist	Dev. DR quest. details on gas dist pipe repl., related invest.	12/17/15	3.33
JBS--J Sugar	HR	Edit STIP DR re: Cust. Satisfaction	12/17/15	0.25
JBS--J Sugar	HR	Research on Social Science Survey vldation methods	12/17/15	0.33
JBS--J Sugar	GasDist	Develop Leak find/repair and related Gas Dist. DR quests	12/18/15	2.74
JBS--J Sugar	GasDist	Eval. Gas Leak and Survey DR resp., dev clarifying quests	12/21/15	3.25
JBS--J Sugar	GasDist	Download ORA DR Response -	12/22/15	1.41
JBS--J Sugar	GasDist	Review ORA Qests. re Gas Dist. - Efficiency - Saf	12/22/15	0.58
JBS--J Sugar	GasDist	Research Gas Dist. Leak Shut in Standards	12/22/15	0.42
JBS--J Sugar	GasDist	Dev. Gas DR Qests - re shut in stds, spending for X-bores	12/22/15	0.74
JBS--J Sugar	GasDist	Download ORA DR responses	12/23/15	0.58
JBS--J Sugar	GasDist	Dev. DR quests. re Gas Dist. Tee Cap Prog. And X-bores	12/23/15	1.83
JBS--J Sugar	GasDist	Rev. ORA DR resp. re: Leak surveys/ gas dist projects	12/23/15	1.25
JBS--J Sugar	GasDist	Review Gas Dist. DR responses - devel. Qests.	1/4/16	3.08
JBS--J Sugar	HR	Edit STIP draft test. re: PG&E policies for Finan meas. & rev. leaking gas service model and costs for MATs 50G and 50M	1/5/16	4.25

JBS--J Sugar	GasDist	Consol. leak surge/ repair DR resp. re: cost-effect and impact	1/6/16	0.75
JBS--J Sugar	GasDist	Scoping test. re: Leak Survey spending	1/6/16	2.08
JBS--J Sugar	GasDist	Edit Gas Dist. DR and respond to TURN quests.	1/6/16	2.66
JBS--J Sugar	GasDist	Rev. PG&E Strat. Plan re: Gas dist, consolidate worksheet infor, add DR ques. Re MAT 50A & low pressure system	1/7/16	4.67
JBS--J Sugar	GasDist	Consolidate leak find repair data in worksheet	1/8/16	1.24
JBS--J Sugar	HR	Develop DR Quests to clarify previous responses re STIP	1/8/16	2.25
JBS--J Sugar	GasDist	Devel. DR quests re: Meter Set Leaks, below ground Gr. 3 repairs, Review DR 30 & 34 responses	1/11/16	3.08
JBS--J Sugar	GasDist	Invest. infor on Meter Set Leaks, develop DR Quest	1/12/16	3.49
JBS--J Sugar	GasDist	Review responses to DR-30	1/12/16	0.67
JBS--J Sugar	GasDist	Research/Devel. Meter inspect. quests. work on draft test.	1/13/16	4.33
JBS--J Sugar	GasDist	Devel. DR Quest. re leak rechecks-downgrades-changes in priorities on main replacement	1/14/16	4.91
JBS--J Sugar	GasDist	Research High Press. Reg. Risk assess. service repl. & priority changes	1/15/16	4.33
JBS--J Sugar	GasDist	Rev. Gas Dist. leak rates in 2014 & 2017 GRCs, re: Picarro	1/19/16	4.41
JBS--J Sugar	GasDist	Gas Dist. rev. PG&E Paris Conf comnts vis a vis GRC filing, dev DR quest.	1/20/16	5.15
JBS--J Sugar	GasDist	Draft leak survey test. and DR quests. re MAT DEA	1/21/16	4.33
JBS--J Sugar	GasDist	Work on Gas Dist Test. re: Leak Survey - find rate	1/22/16	2.83
JBS--J Sugar	GasDist	Eval ORA DR responses re Gas Dist. - work on test. logic	1/25/16	4.08
JBS--J Sugar	GasDist	return edits to TURN Gas Dist. DR - integ ORA DR resp. in draft test.	1/26/16	4.49
JBS--J Sugar	GasDist	Devel. DR quests on Gas Dist. survey inter.l, Grade 3 rep.	1/27/16	4.16
JBS--J Sugar	GasDist	Rev. TURN DR 19 resp. re: Gas Dist. plng goals, Rval ORA Strat PLng DRs, Dev. DR Quest	1/28/16	4.91
JBS--J Sugar	GasDist	Rev. TURN atty issues for Gas Dist. - devel test backgrnd	1/29/16	5.08
JBS--J Sugar	GasDist	Rev. - research TURN atty notes, research into gas dist. incidents from lack of map information and as-built records	2/1/16	4.84
JBS--J Sugar	GasDist	Continue research for TURN atty on Gas Dist. - Add Dr quests re; gas dist. capital spend	2/2/16	5.33
JBS--J Sugar	GasDist	Review latest DR responses - Dev. DR quests. on record collections spend	2/8/16	2.50
JBS--J Sugar	GasDist	Review ORA DRs on integ. plng, Work w/ TURN atty on leak mgmt. model and risk evaluation	2/9/16	4.08
JBS--J Sugar	GasDist	Review initial DR 47 resp. re: corrosion program, crossbores/ audit res.	2/10/16	4.91
JBS--J Sugar	GasDist	Pursue Issues ID'd in first discuss. w/ TURN atty re: gas dist.	2/11/16	3.74
JBS--J Sugar	GasDist	Eval. resp. to TURN DR 42, impact of Napa quake on leaks. Work w/ TURN atty on gas dist. priorities	2/12/16	4.33
JBS--J Sugar	GasDist	Develop DR quests. re: pipe repl. unit costs and reg. sta. repair	2/16/16	5.32
JBS--J Sugar	GasDist	Devel. DR quests. for Gas Dist corrosion spending- fund shifts	2/17/16	5.00
JBS--J Sugar	GasDist	Devel. DR quests re: gas dist. exter. corros, casing issues	2/18/16	4.92
JBS--J Sugar	GasDist	Review Exponent Dist corrosion rpt and devel. DR quests	2/19/16	3.66
JBS--J Sugar	GasDist	Complete draft of gas dist. DR quests., QC check, review corrosion spending forecasts from 2014 comp. w 2017	2/22/16	4.91

JBS--J Sugar	GasDist	Integrate Gas Dist. Errata in PG&E exhibits	2/23/16	3.66
JBS--J Sugar	HR	Review 2014 GRC decision re Supp. Exec. Retirement	2/23/16	4.92
JBS--J Sugar	GasDist	Review ORA gas corrosion DRs	2/24/16	3.25
JBS--J Sugar	HR	Devel. DR quests re: SERP pension costs,	2/24/16	2.00
JBS--J Sugar	GasDist	Devel D.R. quests. Re: Gas Dist. Pipe replacement	2/25/16	3.00
JBS--J Sugar	HR	Revise STIP draft testimony, Discuss issue w/ TURN atty	2/25/16	2.33
JBS--J Sugar	GasDist	Review ORA DR 50 re: Corrosion control, devel. clarifying DR quests.	2/26/16	2.58
JBS--J Sugar	HR	Revise TURN edits to HR Data Req. -	2/26/16	1.50
JBS--J Sugar	GasDist	Rev. new atchs. to DR 47- re corrosion and, leak repair, crossbores, work on claifying DR quests.	2/29/16	4.92
JBS--J Sugar	GasDist	Revise - add to Gas Dist. DR draft - review DR 47 atchm. Re: ISO and ANSO inspections	3/1/16	5.16
JBS--J Sugar	GasDist	Review/work w/ atty on gas dist. DR, review cased crossing issues	3/2/16	4.58
JBS--J Sugar	GasDist	Analyze TURN DR 47 atchs. re casings and survey - work on test. outline	3/3/16	6.16
JBS--J Sugar	GasDist	Determine DR 47 atchs. to use for test. - link to exponent conclusions	3/4/16	4.33
JBS--J Sugar	GasDist	Develop DR quests. re proposed supplemental inspections for gas dist. corrosion	3/5/16	1.75
JBS--J Sugar	GasDist	Develop DR questions and organize sources on Gas Dist. cossoion and casing follow through	3/7/16	5.41
JBS--J Sugar	GasDist	Complete/Send Draft Corrosion DR to TURN, review SED safety Rpt.	3/8/16	4.16
JBS--J Sugar	HR	Discuss STIP issues w/ ORA staff member	3/8/16	0.66
JBS--J Sugar	GasDist	Review Hydro Risk and RIBA scoring.	3/9/16	2.50
JBS--J Sugar	HR	Draft STIP testimony	3/9/16	2.75
JBS--J Sugar	HR	Draft STIP testimony	3/10/16	5.33
JBS--J Sugar	GasDist	Edit Gas Dist. DR Quests. - review recent gas dist Dr responses	3/15/16	0.67
JBS--J Sugar	GasDist	Gas Dist. - review ORA DR responses - request/receive CONF resp.	3/16/16	2.49
JBS--J Sugar	HR	Finish initial STIP draft - send for review	3/16/16	1.67
JBS--J Sugar	GasDist	Gas Dist. Rev. TURN DR-64 Responses & related ORA DR Resp.	3/17/16	2.43
JBS--J Sugar	GasDist	Review-categorize new Gas Dist. DR repsonses	3/22/16	3.08
JBS--J Sugar	GasDist	Discuss Gas Dist. outline w/ atty - work on revisions - review DR respon.	3/23/16	5.58
JBS--J Sugar	GasDist	Add data from DR Resp., populate outline for Gas Dist.	3/24/16	6.33
JBS--J Sugar	GasDist	Dev. Gas Dist. Test. Outline w/ references - cath protection, T-Caps, regulator replacements, X-Bore	3/25/16	4.91
JBS--J Sugar	GasDist	Gas Dist Outline and casing quests. for TURN	3/28/16	3.57
JBS--J Sugar	HR	Revise STIP Draft to consolidate/strength financial measures	3/28/16	2.07
JBS--J Sugar	GasDist	Gas Distribution outline expansion - new DR response review/incorporate	3/29/16	6.08
JBS--J Sugar	GasDist	Review Gas Dist. DR 64 response for priorities, discus w/ Atty.	3/30/16	5.08
JBS--J Sugar	GasDist	Complete prioritized outline for Gas Dist issues-consolidate reference	3/31/16	4.74

JBS--J Sugar	GasDist	Review Gas Dist. Dr responses - corros. Issues speak w/ atty	4/1/16	4.33
JBS--J Sugar	GasDist	Rev. Gas Dist. DR resp. - tie to outline - discuss corrosion w/ TURN atty	4/1/16	4.08
JBS--J Sugar	GasDist	Review DR 70-2 Atch.	4/4/16	0.42
JBS--J Sugar	GasDist	Review DR 70-2 Atch.	4/4/16	0.42
JBS--J Sugar	HR	Revise STIP Testimony - Expand SERP section	4/4/16	5.58
JBS--J Sugar	GasDist	Gas Dist. Review - begin filling out edited test. s[eal w attu	4/5/16	6.41
JBS--J Sugar	GasDist	Gas Dist - work w atty on outline issues, research high conseq areas, MATs 2K & 17D cost DRs	4/6/16	4.08
JBS--J Sugar	GasDist	Analyze impacts of changed leak survey sched. on cost -test.	4/7/16	3.91
JBS--J Sugar	GasDist	Gas Dist. research main repl. cost - insert in edits	4/8/16	5.66
JBS--J Sugar	GasDist	Draft Gas Dist. Test. - w/ cost impact estimate and Leak Model	4/9/16	4.75
JBS--J Sugar	GasDist	Draft Gas Dist. Testimony - review Pipe repl & 2014 Decision.	4/10/16	2.08
JBS--J Sugar	GasDist	Draft of issues w/ financial impacts ot TURN atty	4/11/16	2.65
JBS--J Sugar	GasDist	Reviewing Dr responses missed as they arrived	4/11/16	2.50
JBS--J Sugar	GasDist	Gas Dist. Testimony Drafting - Leak Management	4/12/16	6.92
JBS--J Sugar	GasDist	Gas Dist. Testimony Drafting Pipe Replacement Issu	4/13/16	5.41
JBS--J Sugar	GasDist	Gas Dist. Work on Test - invest. tee cap spending	4/14/16	6.58
JBS--J Sugar	GasDist	Gas Dist. Test. - service repl. policy and spend -tee caps RIBA	4/15/16	5.91
JBS--J Sugar	GasDist	Gas Dist testimony - draft re: service replacement	4/16/16	2.16
JBS--J Sugar	GasDist	gas Dist. Testimony Draft re: tee caps-serv repl.	4/17/16	3.75
JBS--J Sugar	GasDist	Dev. Gas Dist. Test. re service leaks - estimate disallow.	4/18/16	8.49
JBS--J Sugar	GasDist	Gas Dist. Test Devel - pipe repl.t review DR 59-2 Supp Resp	4/19/16	9.33
JBS--J Sugar	GasDist	Gas Dist. Test. - work on pipe repl.t - DIMP vs. RIBA disc.	4/20/16	9.58
JBS--J Sugar	GasDist	Gas Dist. Draft Test. - MAT 50A, add to service repl- send draft	4/21/16	9.50
JBS--J Sugar	GasDist	Gas Dist. Testimony - rev. leak survey and tee cap sections	4/22/16	8.33
JBS--J Sugar	GasDist	Gas Dist. Test. Draft & revise - service and main repl & tee caps	4/24/16	5.42
JBS--J Sugar	GasDist	Gas Dist. Testimony - leak surveys, valve replace., edits	4/25/16	9.92
JBS--J Sugar	GasDist	Gas Distr. Test complete draft - speak w/ atty re: edits	4/26/16	6.16
JBS--J Sugar	HR	Revise STIP Testimony w/ atty edits and comments	4/26/16	2.92
JBS--J Sugar	GasDist	Gas Dist. Test. analyze pipe replacement test, edit	4/27/16	9.33
JBS--J Sugar	GasDist	Gas Dist Test. drafting and to TURN Atty -	4/28/16	9.58
JBS--J Sugar	HR	STIP Testimony Reveiw and to TURN Atty for reveiw	4/28/16	0.42
JBS--J Sugar	GasDist	Compl. Gas Dist. Test. and Support docs Send to TURN	4/29/16	7.58
JBS--J Sugar	HR	Complete STIP Testimony Support Docs	4/29/16	0.41
JBS--J Sugar	GasDist	Gas Dist. Workpaper edits and cleanup	5/3/16	4.33
JBS--J Sugar	GasDist	Gas Dist. Emissions assumption corrections - start	5/3/16	6.42
JBS--J Sugar	JCE	Gas Distribution = fill out Joint Comparison Exhib	5/4/16	6.33
JBS--J Sugar	JCE	Gas Dist. work on Comparision exhibit - review PG&E DR 1 to TURN	5/5/16	4.92
JBS--J Sugar	JCE	STIP -Edit Comparision Exhibit and correct test. for PG&E errata	5/5/16	2.58
JBS--J Sugar	JCE	Gas Distribution - Edit Comparison Exhibits - Resp. to PG&E DR 1	5/6/16	5.33

JBS--J Sugar	GasDist	Gas Distribution -draft response to PG&E DR 9, edit testimony errors	5/9/16	4.49
JBS--J Sugar	Gen	Elect. Generation - research max. number of major o'hauls for Combined Cycle plants	5/9/16	1.16
JBS--J Sugar	GasDist	Rev. Gas Dist. Test. for edits - work on resp. to PG&E DRs 1, 9, 13	5/10/16	4.92
JBS--J Sugar	HR	Review STIP Tesitmony for edits.	5/10/16	0.33
JBS--J Sugar	GasDist	Gas Dist. - blend atty edits into test. Work on PG&E DR 1 and 13	5/11/16	4.35
JBS--J Sugar	GasDist	Draft resp. to PG&E DRs 1 and 9, provide TURN w proposed cap disallows and reductions for unspent funds	5/12/16	5.41
JBS--J Sugar	GasDist	Gas Dist Test: Rev. draft - redline revisions	5/13/16	3.92
JBS--J Sugar	GasDist	Gas Dist. Edit DR to PG&E, discuss w/ TURN Atty, edit DR 1 resp.	5/16/16	3.33
JBS--J Sugar	GasDist	Gas Dist. Draft resp., identify atch for PG&E DR9 to TURN	5/17/16	4.41
JBS--J Sugar	GasDist	Gas Dist. draft response to PG&E DR 9-2	5/18/16	0.33
JBS--J Sugar	GasDist	Gas Dist. Revise - check reference on PGE- TURN DR 9, draft DR 13 Resp	5/19/16	4.08
JBS--J Sugar	GasDist	Gas Dist. Complete draft of PG&E DR 13 - send to TURN	5/20/16	1.50
JBS--J Sugar	GasDist	Gas Dist - Rev. PG&E DR 13 Resp., Rev. EDF Tedy, IICF emissions rpt. For R15-01-008	5/23/16	3.92
JBS--J Sugar	GasDist	Gas Dist. Review EDF rebuttal - develop DR quests	5/27/16	2.08
JBS--J Sugar	GasDist	Gas Dist: Rev. CUE primary test, SB 1371, Climate Change Act CUE and EDF Rebuttal	5/31/16	3.42
JBS--J Sugar	HR	STIP -rev. PG&E rebuttal - refer. decisions - note issues	5/31/16	3.91
JBS--J Sugar	GasDist	Gas Dist. Rev. PG&E Rebuttal w notes	6/1/16	0.82
JBS--J Sugar	HR	STIP - review PG&E Rebuttal - edit notes and questions	6/1/16	2.74
JBS--J Sugar	GasDist	Gas Dist. review PG&E rebut. - devel. DR quests, work w/ Atty on quest. for EDF	6/2/16	5.25
JBS--J Sugar	GasDist	Gas Dist. Develop DR Quests.	6/3/16	4.57
JBS--J Sugar	GasDist	Gas Dist - Review Rebuttal PGEvol. 1, edit leak-corros control DR	6/6/16	6.08
JBS--J Sugar	HR	STIP - respond to TURN re: errata for PG&E labor cost change	6/6/16	0.41
JBS--J Sugar	GasDist	Gas Dist - Correct missing headers on test. atchment, review rebuttal for cross issues	6/7/16	3.58
JBS--J Sugar	GasDist	Gas Dist. Complete attach. revisions, calculate 5 yr. leak survey impact on cost of leak repairs, Gr. 3 repairs	6/8/16	3.25
JBS--J Sugar	GasDist	Gas Dist - Confer. Call w/ PG&E re Grade 3 leak progression in DR 14-15 response - impact of 5 yr. survey on serv. Repl.	6/9/16	3.74
JBS--J Sugar	Sett	Gas Dist. - work w/ TURN atty. re: test. rebuttal and settlement	6/13/16	1.33
JBS--J Sugar	Sett	Gas Dist. Prep and partici. conference call w/ORA re: settlement	6/14/16	1.83
JBS--J Sugar	Sett	Gas Dist. - work with TURN atty, speak w/ ORA analyst re: service replacement issue	6/15/16	2.33
JBS--J Sugar	Sett	Gas Distribution - Review CFC testi. on leak repair cost forecast	6/16/16	0.67
JBS--J Sugar	Sett	STIP - review settlement proposal - recommend TURN position	6/16/16	0.41

JBS--J Sugar	GasDist	Gas Dist. Eval. Resp. to TURN DR 110-1 - Review MATs 50G and M spend	6/20/16	1.41
JBS--J Sugar	GasDist	Gas Dist. Rev. recent DR responses v. PGE rebut. Arguments - spek w/ Atty	6/21/16	3.74
JBS--J Sugar	GasDist	Gas Dist. Comment on WPs/DR resp. re: service repairs - send to TURN	6/22/16	2.58
JBS--J Sugar	GasDist	Gas Dist. Complete follow up DR for TURN DR 110 re: repair and then replacement for services	6/23/16	2.83
JBS--J Sugar	Sett	Gas Dist. analyze alternatives for service Replacement settlement conditions	6/27/16	3.58
JBS--J Sugar	Sett	Review multi-party settlement document - develop STIP alternative language - evaluate EDF language and discuss w/ TURN atty.	6/30/16	2.83
JBS--J Sugar	HR	Rev. PG&E submittal and attach. for exec. Comp. and Safety - review test.	9/28/16	0.57
JBS--J Sugar Total				848.38
Matt	Gen	Review/edits to TURN DR on Diablo Canyon	9/16/15	0.50
Matt	Gen	Initial review of PG&E data responses re: Diablo Canyon	10/2/15	1.50
Matt	Gen	Review of next DR on Diablo issues	10/8/15	0.25
Matt	Coord	Meeting with A4NR (in person) at TURN's office to discuss coordination and case strategy - Diablo Canyon	10/28/15	3.50
Matt	Coord	Meeting with A4NR (in person) at TURN's office to discuss coordination and case strategy - Diablo Canyon	11/19/15	1.50
Matt	GP	Review of Picker scoping memo	12/1/15	0.50
Matt	Gen	Review of draft DR on Diablo insurance issues	12/16/15	0.50
Matt	Gen	Review of recent TURN DRs re: Diablo Canyon, Energy Supply, Insurance	12/28/15	0.50
Matt	#	TURN legal meeting to coordinate on GRC case strategy, discovery and testimony	2/11/16	2.00
Matt	Gen	Review of draft DR on hydro expense and capital	3/2/16	0.25
Matt	Gen	Review/edits to TURN DR on fossil generation	3/23/16	0.50
Matt	Coord	Meeting with A4NR (at TURN office) to discuss Diablo recommendations	3/24/16	2.00
Matt	Gen	Drafting DR on Diablo issues	4/6/16	0.50
Matt	Gen	Review of Ex. PG&E-5, drafting of DR on Diablo Canyo	4/6/16	1.00
Matt	Gen	Call with Bill Marcus to discuss fossil/Diablo testimony	4/19/16	1.00
Matt	Gen	Drafting of TURN testimony - Diablo Canyon	4/22/16	2.00
Matt	Gen	Drafting of TURN testimony - Diablo Canyon	4/23/16	0.75
Matt	Gen	Drafting of TURN testimony - Diablo Canyon	4/25/16	0.75
Matt	Gen	Review/edits to TURN testimony - fossil generation	4/25/16	1.00
Matt	Gen	Communications with Bill Marcus and Hayley re: Diablo testimony	4/27/16	0.25
Matt	Gen	Communications with PG&E re: discovery issues and access to confidential material	4/28/16	0.50
Matt	Gen	Review/edits to TURN testimony - Hydro	4/28/16	1.25
Matt	Gen	Review/edits to TURN testimony - Diablo Canyon	4/28/16	2.25
Matt	Gen	Review/edits to TURN testimony - Diablo Canyon	4/29/16	0.75
Matt	Sett	Meeting with TURN legal staff re: settlement options and Diablo Canyon	5/18/16	0.50
Matt	Sett	Discussion with Hayley re: Diablo and settlement process	5/24/16	0.25
Matt	Sett	Discussion with Hayley re: Diablo and settlement process	5/31/16	0.25

Matt	Sett	Discussions with TURN legal team re: settlement update; calls with A4NR (John Geesman and Al Pak) re: settlement	6/1/16	1.25
Matt	Gen	Initial review of PG&E rebuttal testimony on nuclear and fossil gen	6/2/16	1.25
Matt	Sett	Review of communications from A4NR to service list, discussion with Hayley re: TURN response,	6/3/16	0.25
Matt	Sett	Review of A4NR communications re: settlement issues for Diablo	6/6/16	0.25
Matt	Sett	Conversation with Bill Marcus re: settlement process - Diablo	6/7/16	0.25
Matt	Sett	Conversation with A4NR re: settlement process - Diablo	6/7/16	0.50
Matt	Sett	GRC settlement meeting with A4NR and PG&E (at PG&E)	6/14/16	1.00
Matt	Sett	Review of settlement term sheets with various other intervenors re: Gen/Diablo, feedback to Hayley, discussion with A4NR re: relationship to settlement numbers	7/1/16	0.75
Matt	Sett	Communications with TURN attorneys/consultants and PG&E re: Diablo stator project settlement term	7/13/16	0.25
Matt	Sett	Review of revised settlement language re: Diablo stator project	7/15/16	0.25
Matt	Sett	Review of revised settlement language re: Diablo stator project, communication w/Hayley re: TURN response	7/19/16	0.25
Matt	Sett	Review of final settlement language and settlement communications re: Diablo stator project, communication w/Hayley re: TURN response	7/21/16	0.25
Matt Total				33.00
MH	GP	Draft protest re DRP issues	10/1/15	0.50
MH	ElecDist	Read portions of PG&E-04 re Distribution automation, operationas capital	10/2/15	2.00
MH	GP	Write protest section re. ED- DRP implementation programs	10/2/15	3.50
MH	GP	Internal emails re. protest; edit section of protest written by Tom; finalize my section with Tom's edits	10/5/15	1.00
MH	Afford	TC mtg w/ Barbara A. re affordability issues; read Colton testimonies re affordability	10/16/15	0.75
MH	ElecDist	Edit DR re PG&E-4, ch. 17 (new business)	10/16/15	0.75
MH	ElecDist	Read portion of PG&E-04 (ch. 1-6)	10/16/15	1.25
MH	GP	Read portion of application (.25); mtg w/ Tom re issues and strategy for case (.25)	10/21/15	0.50
MH	ElecDist	Read PG&E-04 ch 9 (dist reliability)	10/23/15	0.75
MH	ElecDist	Write section of PHC stmt re ED-DRP (read PG&E reply to protests; read decisions related to SM Opt-out costs in last GRC and SMOO proceeding)	10/23/15	1.75
MH	GP	Read TURN protest and PG&E Reply to protests	10/26/15	0.50
MH	ElecDist	Prepare for PHC re. DRP issues	10/28/15	0.75
MH	ElecDist	Prepare presentation for PHC re DRP	10/29/15	1.25
MH	ElecDist	Attend PHC; speak re DRP RRQ issues	10/29/15	2.00
MH	CustSvc	Edit Nahigian DR re CS	11/3/15	1.25
MH	Afford	tc mtg w/ Roger Colton to define scope of work, metrics and datasets	11/4/15	0.75
MH	CustSvc	Finish editing DR on CC issues ch. 2, 3, 8	11/5/15	0.75
MH	Afford	Send materials re disconnect and PG&E service territory to Roger C.	11/6/15	0.25

MH	ElecDist	Edit Eric's DR re ch. 13	11/12/15	0.00
MH	Afford	Prepare consultant agreement for Colton (FSC)	11/13/15	0.25
MH	Afford	TC mtg w/ Roger to discuss issues re data and comparability metrics	11/13/15	0.75
MH	Afford	read D.15-07-001 re affordability and energy burden; Read D.14-08-032 re balancing cost and reliability/safety	11/13/15	0.75
MH	CustSvc	Read PG&E-06: ch. 1, 2, 3. Edit Jeff's data request	11/13/15	1.50
MH	Afford	read technical notes re. FSC HEAG analysis	11/16/15	0.25
MH	CustSvc	Read PG&E 06, ch. 8 and 9	11/16/15	0.75
MH	CustSvc	TC mtg w/ Jeff re ch 2 and 3 discovery; issues for testimony	11/18/15	0.75
MH	Afford	tc mtg w/ Colton re HEAG analysis	11/20/15	0.50
MH	ElecDist	TC mtg w/ Garrick re issues and discovery for ch. 9-12, 14	11/20/15	0.75
MH	GP	Complete internet discovery agreement	11/20/15	0.25
MH	CustSvc	Review and edit revised version of DR re PG&E 06 ch. 2-3	11/23/15	0.25
MH	ElecDist	Read portion of 2012 VOS study in WP ch. 9	11/23/15	0.25
MH	ElecDist	Review and edit DR re PG&E-04, ch9	11/23/15	1.25
MH	CustSvc	Finalize DR re ch 2-3	11/24/15	0.25
MH	ElecDist	Finalize DR re ch. 9	11/24/15	0.50
MH	CustSvc	TC mtg w/ Jeff N re ch 3 (TOU pilots)	11/25/15	0.50
MH	ElecDist	Read D.10-06-048 (Cornerstone) re automation and reliability and capacity	11/25/15	0.75
MH	Afford	Advice Colton on timekeeping requirements	11/30/15	0.25
MH	CustSvc	Edit Jeff's DR on PG&E-06, ch 3	12/3/15	0.50
MH	CustSvc	Finalize DR re PG&E-06 ch. 8	12/17/15	0.25
MH	ElecDist	Edit Garric DR re PG&E-04 ch. 12	12/17/15	0.75
MH	ElecDist	Edit Garrick DR re ch. 11	12/17/15	1.00
MH	ElecDist	Edit Eric's DR re ch. 13	12/18/15	0.25
MH	ElecDist	Review DR 008-03; Write demand letter email re DR 008-03 (new customer connection RCG Model)	1/7/16	0.50
MH	ElecDist	TC mtg w/ Eric and Alvarez re smart grid issues (bill 1/2 time)	1/8/16	0.50
MH	ElecDist	Edit DR re PG&E-04, ch. 17	1/15/16	0.25
MH	Afford	Write DR re PG&E-01 on customer bill impacts	1/19/16	0.50
MH	ElecDist	Read PG&E-04 ch. 10, 11, 12	1/19/16	1.50
MH	ElecDist	Send email to PG&E re DR 033-08	1/20/16	0.25
MH	ElecDist	Read PG&E-04 ch. 13	1/20/16	0.50
MH	ElecDist	Review PG&E data responses to multiple requests re. ch. 8, 13, 11	1/20/16	1.25
MH	Afford	TC mtg w/ Roger to discuss data issues re energy burden and disconnects	1/21/16	1.00
MH	ElecDist	Mtg w/ Eric to discuss ch. 13 issues	1/21/16	0.50
MH	ElecDist	Review DR 035 re ch. 13 and VVO; write internal email memo re VVO and CVR for further discovery and testimony issues	1/22/16	1.50
MH	ElecDist	Review notes from ch. 9-15 (.5); tc mtg w/ garrick re testimony and discovery issues for ch. 9-15 (1.0)	1/29/16	1.50
MH	ElecDist	Detailed edit of DR re PG&E-04 ch. 13	2/4/16	1.75
MH	ElecDist	Review and edit revised DR re PG&E-04 ch. 13	2/5/16	0.25
MH	ElecDist	Mtg w/ Eric to discuss new capacity regression model and next steps with PG&E	2/8/16	0.25

MH	#	TURN team mtg to discuss issue assignment; general themes; strategies; coverage and scheduling	2/11/16	2.00
MH	GP	Write email memo re Alvarez ""utility benchmarking"" software tool and offer	2/17/16	0.25
MH	ElecDist	Edit DR re PG&E-04 ch. 9	2/18/16	1.25
MH	ElecDist	Mtg w/ Eric re VVO mtg w/ PG&E, discuss case strategy, use of Wired Group	2/22/16	0.25
MH	GP	Emails with Alvarez re consultant agreement	2/23/16	0.25
MH	ElecDist	Review PG&E responses to DR 045 (ch. 13)	2/25/16	0.75
MH	GP	Finalize consultant agreement with Alvarez (Wired Group)	2/25/16	0.25
MH	GP	Revise agreement with Wired Group	2/26/16	0.50
MH	ElecDist	Edit Eric DR re ch. 13	2/29/16	0.25
MH	GP	Write email re confidentiality and send NDCs to Alvarez staff	2/29/16	0.25
MH	Afford	Read draft of Colton testimony	3/3/16	0.75
MH	Afford	tc mtg w/ Colton to discuss draft testimony	3/4/16	0.50
MH	ElecDist	Read email memos from P. Alvarez re VVO and DERE (0.5); Review memo from Borden re VVO and DERE (0.25); edit data requests from Garrick re interconnectivity (ch. 13) (0.75); edit data request from Borden re capacity issues (ch. 13) (0.75)	3/8/16	2.25
MH	ElecDist	Mtg w/ Eric to discuss allocation of issues re VVO and DERIC w/ Alvarez	3/9/16	0.25
MH	ElecDist	TC mtg w/ Wired Group and Eric to discuss testimony issues re DERIC and VVO	3/9/16	1.25
MH	ElecDist	Edit DR re PG&E-04, ch 16; Read ch. 16	3/15/16	1.25
MH	ShdSvc	Edit DR re PGE-07, ch 8B	3/15/16	0.75
MH	ElecDist	Review outline from Alvarez re DIREC and write email with comments on issues	3/16/16	0.75
MH	ElecDist	Review PG&E response to DR 45-23 re interconnection costs for wholesale v. NEM; write email memo to Eric and Paul	3/16/16	0.50
MH	Afford	Internal mtg w/ Tom and Bob to discuss affordability issues for testimony; analyze types of data re bills and rates	3/17/16	0.50
MH	Afford	Write memo to Colton re incorporating COL into calculations; research HEAG	3/17/16	0.50
MH	ElecDist	Emails with Alvarez re DERIC	3/17/16	0.25
MH	ElecDist	Emails with Alvarez re. differences between NEM; RAM; other wholesale procurement of D-connected resources	3/17/16	0.25
MH	ElecDist	Edit DR re ch 15 on ED technology	3/21/16	0.75
MH	ElecDist	Edit DR re ch 16 on records management	3/21/16	0.50
MH	ElecDist	Second round of edits on ch. 16 re IT	3/21/16	0.75
MH	ElecDist	TC mtg w/ Alvarez re DERIC issues	3/23/16	0.50
MH	ElecDist	Review Alvarez invoice and process	3/23/16	0.25
MH	ElecDist	Read emails from P. Alvarez discussing issues for DERIC testimony; discovery responses	4/4/16	0.50
MH	ElecDist	Review draft outline of DERIC testimony (0.25); TC mtg w/ Paul Alvarez re issues for DERIC testimony, testimony outline, cost of work (0.5); Internal emails re scope of work and cost (0.25)	4/5/16	1.00

MH	Afford	Detailed edit of Colton 4/4/16 draft testimony (2.5); write internal email memo to Hayley and Tom (.25)	4/6/16	2.75
MH	Afford	TC mtg w/ Hayley and Roger to discuss structure and analytical issues re. draft testimony (1); send follow-up emails and data (.5)	4/8/16	1.50
MH	CustSvc	Read ORA Testimony re CC (Morse)	4/11/16	1.25
MH	ElecDist	Detailed edit of Alvarez DERIC outline; email memo	4/11/16	1.25
MH	ElecDist	Research and emails w/ Alvarez re retail v. wholesale interconnection times and DERIC	4/11/16	0.75
MH	ElecDist	Read ORA testimony of Roberts re DERIC (.5), VVO (1.25)	4/11/16	1.75
MH	ElecDist	TC mtg w/ Paul and Eric to discuss issues re wholesale v retail interconnect costs and times; impact of DERIC; additional discovery.	4/12/16	0.50
MH	ElecDist	Review data responses related to interconnections costs (DERIC); write demand letter to PG&E to clarify certain inconsistent responses (.5)	4/12/16	0.75
MH	ElecDist	Read ORA Logan testimony re ED capital	4/12/16	0.50
MH	ElecDist	Write DR re retail interconnection times (related to DERIC)	4/12/16	0.25
MH	Afford	Write intro section re PG&E testimony and purpose of rebuttal	4/13/16	0.50
MH	ElecDist	Review and edit DR re interconnection times for DG (DERIC)	4/13/16	0.50
MH	CustSvc	TC mtg w/ Jeff to discuss CC ch 2 (customer engagement) issues for testimony	4/14/16	1.50
MH	ElecDist	Prep for PG&E meet and confer re DR 045-23 (DERIC) - review prior data responses	4/14/16	0.50
MH	CustSvc	TC mtg w/ Jeff to discuss ch. 3 and ch. 8 testimony topics and analyses	4/15/16	0.75
MH	ElecDist	Review various data responses re ch. 13; write internal email re D cost benchmarking	4/15/16	0.50
MH	ElecDist	TC w/ PG&E to resolve questions re DR 045-23	4/15/16	0.50
MH	ElecDist	Write email request to PG&E for clarification of workpaper text re ""supporting work papers"" in PG&E-04 ch. 12 WP in lieu of discovery	4/15/16	0.25
MH	ElecDist	Edit and review revised draft of DERIC testimony (.5); TC mtg w/ Alvarez to discuss DERIC testimony outline; finalize issues for testimony (.75)	4/15/16	1.25
MH	GP	Read ALJ Ruling re JCE; Review portions of Scoping Memo	4/15/16	0.25
MH	Afford	detailed edit of revised Colton testimony re affordability	4/19/16	1.25
MH	ElecDist	Start review/edit of Borden testimony on ch. 13	4/19/16	1.50
MH	Afford	Finish detailed review of Colton testimony	4/20/16	1.50
MH	ElecDist	Detailed edit of Jones testimony re ch. 9 (reliability capital)	4/20/16	2.75
MH	ElecDist	Continue detailed edit of Borden testimony re ch. 13 (distribution capacity; VVO)	4/20/16	1.75
MH	Afford	TC mtg w/ Colton re final revisions	4/21/16	0.25
MH	CustSvc	Edit Nahigian testimony on CC ch. 2	4/21/16	1.75
MH	ElecDist	Edit Borden testimony re ch 17	4/21/16	1.50
MH	ElecDist	Edit Jones testimony re ch. 12 (SAM)	4/21/16	1.25
MH	Afford	Edit new section of Colton testimony; final review	4/23/16	1.50

MH	CustSvc	edit Jeff testimony on ch. 3 (pricing products)	4/24/16	1.00
MH	ElecDist	Edit Alvarez testimony re DERIC	4/25/16	1.00
MH	ElecDist	Mtg w/ Eric re emergent work forecast	4/26/16	0.25
MH	ElecDist	Continue edits of Alvarez DERIC testimony	4/26/16	1.50
MH	ElecDist	Detailed edit of D. Stephens portion of DERIC testimony	4/26/16	2.25
MH	CustSvc	Final edit of nahigian ch. 2	4/27/16	0.50
MH	CustSvc	Edit Jeff testimony on ch. 8 (billing)	4/27/16	0.25
MH	ElecDist	Close first edit of Garrick's UAM draft	4/27/16	1.75
MH	ElecDist	Review revised draft of Alvarez DERIC testimony	4/27/16	1.25
MH	CustSvc	Final review of Jeff ch 2 and 3	4/28/16	0.50
MH	ElecDist	Edit of Garrick testimony re IT and ED (ERIM)	4/28/16	0.75
MH	ElecDist	TC mtg w/ Alvarez to discuss testimony and confidentiality	4/28/16	0.25
MH	ElecDist	Final review of Alvarez/Stephens testimony re DERIC; emails re issues	4/28/16	1.25
MH	#	Final reviews of versions of Jones testimony (.75); Alvarez testimony (.5); emails re confidentiality (.5); Add attachments to Colton testimony (.5); Create appendices to Alvarez (1.25); Review confidential versions of Alvarez (.5); document production (1)	4/29/16	5.00
MH	#	Skim various TURN testimonies (Finkelstein, Long, Marcus)	5/3/16	1.25
MH	JCE	Write JCE re DERIC; emails to consultants re JCE	5/4/16	0.50
MH	JCE	Review and edit all text for JCE from Nahigian, Borden; write text for Colton	5/5/16	1.50
MH	JCE	Write text portions (recommendations) for JCE text for Jones recommendations	5/6/16	1.75
MH	ElecDist	Mtg w/ Bob and Tom re providing proprietary software to PG&E in discovery	5/9/16	0.25
MH	ElecDist	TC mtg w/ Alvarez re PG&E data request; workpapers; modeling results	5/10/16	0.50
MH	Afford	Reread final Colton testimony; makes notes for discussion of topics for cross	5/12/16	1.00
MH	ElecDist	Edit Alvarez responses to DR 011	5/12/16	0.75
MH	ElecDist	Emails re workpapers and data responses	5/12/16	0.25
MH	ElecDist	Finalize Alvarez and Stephens data responses to DR 011 and DR 012	5/16/16	0.50
MH	Sett	Read email from Hayley re sett offer and review offers (.5); Mtg w/ Hayley and Tom re offer and issues (2.25)	5/18/16	2.75
MH	Sett	Write email to Hayley with questions re settlement offer numbers and interpretation of offers v. existing RRQ	5/19/16	0.50
MH	Sett	TC mtg w/ Tom to discuss settlement and issue responsibility	5/26/16	0.25
MH	GasDist	Write internal email memo to John Sugar re EDF testimony; SB 1371; data requests to EDF	5/27/16	0.25
MH	GasDist	Read rebuttal testimony of EDF re Leak Survey	5/27/16	0.50
MH	ElecDist	Read PG&E rebuttal on DERIC (ch 13)	5/31/16	0.75
MH	ElecDist	TC mtg w/ Alvarez re discovery on PG&E rebuttal	5/31/16	0.50
MH	Sett	Group mtg re update on sett; how to proceed with discovery	5/31/16	0.25
MH	CustSvc	Edit Jeff DR re CC rebuttal	6/3/16	0.25
MH	ElecDist	Close Edit of Alvarez DR re DERIC rebuttal	6/3/16	1.50
MH	GasDist	Finalize and send DR to EDF	6/3/16	0.25

MH	ElecDist	Read Borden direct testimony; edit DR re PG&E rebuttal	6/6/16	0.75
MH	GasDist	Write email re mtg re DR 14-015	6/6/16	0.25
MH	GasDist	Read rebuttal re leak survey; edit sugar DR re rebuttal testimony; t/c mtg w/ sugar	6/6/16	1.75
MH	GasDist	TC mtg w/ Sugar re PG&E explanation of leak migration and DR 14-15	6/9/16	0.25
MH	GasDist	Discovery conference call w/ PG&E re DR 14-15	6/9/16	0.50
MH	CustSvc	Read PG&E rebuttal re CC	6/14/16	0.25
MH	GasDist	Read PG&E Rebuttal testimony re leak management; assess TURN case	6/14/16	0.75
MH	Sett	Mtg w/ Jeff re CC sett proposed numbers	6/14/16	0.50
MH	Sett	TC mtg w/ TURN, JBS and ORA re sett figures for Gas D; cap ex issues	6/14/16	1.00
MH	Sett	Mtg w/ Eric and Hayley re sett and c/e calculations of preferred resources	6/14/16	1.00
MH	Sett	Review sett cap ex numbers for 2015; tc w/ Bill; emails w/ Garrick; emails with Cathy Yap	6/15/16	2.50
MH	Sett	Review sett cap ex for 2017 for ED; write emails to Cathy re tax impacts	6/16/16	0.75
MH	Sett	Review 2017 cap ex in light of Cathy Yap spreadsheet re tax impacts	6/17/16	0.50
MH	GasDist	Review data responses to DR 108 re Gas D rebuttal	6/20/16	0.50
MH	Sett	Mtg w/ Hayley to discuss ORA recom for CC reductions	6/20/16	0.25
MH	Sett	Review email questions re NDC MOU and our sett	6/22/16	0.25
MH	Sett	Review NDC TOU and write internal emails re TURN position on metrics, affordability and STIP terms in MOU	6/30/16	1.00
MH	Sett	Review EDF MOU and write internal emails re TURN position on MOU re Gas D balancing account	6/30/16	1.25
MH	Sett	TC mtg w/ Tad Gondai and Elise re NDC MOU	7/5/16	0.75
MH	Sett	Mtg w/ Elise to discuss NDC MOU terms and TURN proposed changes	7/5/16	0.25
MH	Sett	Review reports from Colton re metrics to incorporate in NDC MOU	7/5/16	0.50
MH	Sett	TC with PG&E and EDF re EDF MOU; read Semptra/EDF MOU	7/6/16	0.75
MH	Sett	Review Hayley email re NDC settlement on TAP	7/11/16	0.25
MH	Sett	Review term sheet from CUE; TC w/ Hayley; TC w/ Garrick	7/12/16	0.75
MH	Sett	Write email memos re proposed terms on CUE settlement on gas leak survey and repair; review CUE and EDF MOUs; TC mtg w/ Sugar	7/13/16	0.75
MH	Sett	Write section for CUE sett re steady state replacement	7/15/16	0.50
MH	Sett	Review and edit revised language re EDF MOU	7/18/16	0.50
MH	Sett	Review line extension reporting requirements; TC w/ Eric re Line Extension reporting; email with proposal to PG&E. Review proposed amendments to CUE MOU. TC w/ Colton re reporting. Write suggested edits to NDC MOU re affordability-related reporting.	7/20/16	1.75
MH	Sett	Internal emails to Hayley re NDC; EDF; CUE settlement terms	7/21/16	0.50
MH	Sett	TC mtg w/ PG&E re line extension reporting; review report	7/21/16	0.50

MH	Sett	TC mtg w/ CFC re EDF/CUE MOU on R.15-01-008 balancing account	7/22/16	0.25
MH	Sett	Emails and mtg w/ Hayley to discuss 'steady-state' language in CUE MOU re ElecDist and GasDist; research prior rate case decisions	7/25/16	0.50
MH	Sett	TC mtg w/ PG&E, CUE and EDF re gas distribution settlement	7/25/16	0.75
MH	Sett	TC mtg w/ Scott Rafferty re Gas D	7/26/16	0.25
MH	Sett	Review final language re. Gas D; Emails w/ PG&E; TC mtg w/ Eric L. of PG&E	7/27/16	0.50
MH	ElecDist	Revise Alvarez testimonies with errata changes	7/28/16	0.50
MH	Sett	review proposed language re RRRMA; emails w/ ORA; TC w/ Pocta (CC issue)	7/28/16	0.75
MH	ElecDist	Final revisions to TURN-5 (Alvarez testimony)	8/1/16	0.50
MH	Sett	Meetings w/ Hayley re sett issues (CustSvc, GasDist)	8/1/16	0.25
MH	Sett	Read and edit final proposed language re Gas D issues	8/1/16	0.25
MH	Sett	Draft proposed language re RRRMA cost recovery (CustSvc)	8/1/16	0.50
MH	Sett	TC and emails w/ Hayley and Jeff re PG&E's response to our language on CC (RRRMA) issues	8/2/16	0.75
MH	Non-Sett	Research re balancing accounts for cmts on contested leak management issue	8/9/16	1.50
MH	Non-Sett	Write response to Sec. 4.2 re GD	8/15/16	1.50
MH	Non-Sett	Write comments on contested issue 4.2 (GD)	8/17/16	2.50
MH	Non-Sett	Finalize comments on contested Sec. 4.2 issues	8/18/16	1.00
MH	WS/EH	Review PG&E ex parte handout presentation re settlement	8/24/16	0.25
MH	Non-Sett	Read CUE/EDF/PG&E reply comments on disputed Sec. 4.2 (GD); review CUE direct testimony; Review TURN comments in R.15-01-008	8/29/16	0.50
MH	Non-Sett	Read PG&E/CUE/EDF comments on Sec. 4.2 (GD); Read TURN Reply Comments on 4.2	8/29/16	0.50
MH	WS/EH	Read ALJ Rulings re Sett workshop and evid hearings on contested issues	8/29/16	0.25
MH	WS/EH	Read transcript from settlement workshop	8/31/16	0.75
MH	Sett	Close complete read of final settlement	9/1/16	0.75
MH	CustSvc	Read portion of transcript from 9/1 re smart meter c/e update (.75); write email to Jeff re TC mtg	10/5/16	1.00
MH	PD	Skim PD re ED; GD; contested issues	2/27/17	0.50
MH	Non-Sett	Write reply comments on PD re gas leak balancing account (Sec. 4.2)	3/26/17	0.50
MH	PD	TC w/ Mark Pocta; Read PG&E response to ALJ questions re impact of COC settlement	3/29/17	0.50
MH	PD	Read summary of difference for Picker APD	4/10/17	0.25
MH	PD	Review proposed PG&E language re revised RRRMA settlement section 3.1.5	4/14/17	0.50
MH	PD	Review PG&E's alternate language for RRRMA (sec 3.1.5.2 of settlement) for comments on APD	4/18/17	0.25
MH	Comp	Write 'reasonableness of hours' and 'hourly rates' sections re Wired Group consulting	5/31/17	1.50
MH Total				173.75

Michael Majoros	Dep	Respond to Bob F. email, conference call, review Pous Testimony and prior orders.	1/27/16	4.00
Michael Majoros	Dep	Initial review	2/9/16	1.00
Michael Majoros	Dep	DRs	2/10/16	1.00
Michael Majoros	Dep	Review attach to 050-33, email to Bob F.	3/14/16	1.50
Michael Majoros	Dep	Review and annotate all responses, send to Bob F. and JG, send highlighted version of WV a Order to Bob F.	3/15/16	6.50
Michael Majoros	Dep	Review and annotate all responses, send to Bob F. and JG	3/16/16	2.00
Michael Majoros	Dep	Prep and participate in conference call withh ORA Matt	3/17/16	2.50
Michael Majoros	Dep	Review Data Responses and prepare fact sheet.	3/28/16	5.00
Michael Majoros	Dep	Review Data Responses and prepare fact sheet.	3/29/16	3.00
Michael Majoros	Dep	Prepare Cash Flow analysis to support testimony	4/15/16	3.00
Michael Majoros	Dep	Prepare Cash Flow analysis to support testimony	4/18/16	7.00
Michael Majoros	Dep	Regulatory Liability analysis	4/19/16	4.00
Michael Majoros	Dep	Contextual Comments for testimony	4/20/16	6.00
Michael Majoros	Dep	Assist James with life analysis	4/21/16	2.00
Michael Majoros	Dep	assist James with reserve analysis	4/25/16	2.50
Michael Majoros Total				51.00
NS	A&G	Discuss strategy for A&G regulatory relations expenses w/ HG	4/4/16	0.25
NS	A&G	Read A&G testimony	4/4/16	1.25
NS	GP	Review scoping memo and other dockets in docket	4/4/16	2.00
NS	A&G	Read A&G testimony	4/5/16	4.00
NS	A&G	Read workpapers re: Legal and Reg Affairs IT costs to understand specific project costs	4/5/16	1.00
NS	A&G	Read A&G testimony	4/6/16	1.75
NS	A&G	Conference call w/ Bill and BF re: A&G issues and TURN strategy on issues for testimony	4/8/16	0.75
NS	A&G	Read/review PG&E workpapers on A&G re: regulatory affairs	4/8/16	0.75
NS	A&G	Review regulatory affairs testimony and emails from HG and BM for issue coverage and additional issues	4/13/16	1.50
NS	A&G	Review PG&E responses to A&G DRs	4/13/16	1.25
NS	A&G	Discuss status of A&G discovery with HG	4/20/16	0.25
NS	Gen	Review draft of generation testimony for hydro related issues	4/20/16	0.50
NS	A&G	Review PG&E AL-4827 re: vegetation management	4/21/16	0.25
NS	A&G	Review responses TURN-DR-83 for support for testimony	4/22/16	1.00
NS	DefWk	Review draft of deferred work testimony	4/22/16	0.25
NS	HR	Edit HR testimony on severance	4/25/16	1.50
NS	HR	Edit HR testimony on benefits and severance, review DRs for factual background for testimony	4/26/16	1.50
NS	ElecDist	Edit Elec distribution testimony on maintenance	4/27/16	4.75
NS	ElecDist	Edit Elec distribution testimony on emergency preparedness	4/27/16	2.50
NS	ElecDist	Read relevant PG&E ED testimony	4/27/16	1.00
NS	A&G	Edit next version of A&G testimony	4/28/16	0.50
NS	A&G	Edit inventory and working cash	4/28/16	0.50
NS	CustSvc	Edit Hgoodson's CSO closure testimony	4/28/16	1.25
NS	ElecDist	Edit electric distribution testimony on maintenance	4/28/16	2.75
NS	ElecDist	Talk to HG re: status of ED testimony	4/28/16	0.25
NS	ElecDist	Calls w/ GJ to discuss edits to ED testimony	4/28/16	0.25

NS	ElecDist	Read PG&E ED testimony	4/28/16	1.50
NS	Gen	Edit fossil and alternative generation	4/28/16	0.25
NS	HR	Edit next version of HR testimony	4/28/16	0.75
NS	ElecDist	Edit next version of electric distribution testimony on maintenance (surge arrestor section)	4/29/16	1.00
NS	ElecDist	Call w/ GJ re: ED testimony edits and concerns	4/29/16	0.50
NS	Gen	Edit Hydro gen testimony	4/29/16	0.75
NS	Gen	Edit Hydro OOR and capital costs	4/29/16	0.25
NS	JCE	Edit comparison exhibit entries	5/3/16	0.50
NS	JCE	Review testimony to fill in comparison exhibit	5/3/16	1.50
NS	JCE	Edit comparison exhibit entries	5/4/16	1.25
NS	JCE	Edit comparison exhibit entries	5/5/16	1.00
NS	JCE	Edit comparison exhibit entries	5/6/16	2.00
NS	Sett	Review testimony and draft summary of recs for settlement purposes for HG	5/9/16	3.50
NS	Sett	Review testimony and draft summary of recs for settlement purposes for HG	5/9/16	1.00
NS	Sett	Review testimony and find specific capital adjustments for settlement purposes for HG	5/12/16	1.00
NS	ElecDist	Edit electric distribution DRs	5/13/16	1.00
NS	ElecDist	Review TURN workpapers (electric distribution) prior to sending to PG&E	5/13/16	1.50
NS	ElecDist	Edit electric distribution DRs	5/14/16	0.75
NS	#	Read rebuttal testimony -- electric distribution, A&G, HR	5/27/16	2.25
NS	#	Read rebuttal testimony -- electric distribution, A&G, HR	5/31/16	4.00
NS	GasDist	Review draft DR re: gas distribution	6/3/16	0.25
NS	Sett	Review settlement proposal re: electric distribution	6/3/16	0.75
NS	Sett	Read emails and ALJ ruling re: settlement and postponement of schedule	6/3/16	0.50
NS	#	Review PG&E errata II testimony	6/6/16	1.00
NS	GasDist	Edit draft DR re: gas distribution (corrosion control)	6/6/16	0.50
NS	GasDist	Call JS re: draft DR re: gas distribution (corrosion control)	6/6/16	0.50
NS	Sett	Review electric distribution settlement proposals and discuss proposals w/ HG and GJ via email and phone	6/6/16	2.25
NS	Sett	Review settlement proposals and HG email re: A&G expense	6/8/16	0.50
NS	GasDist	Review PG&E responses to DR 111 (gas distrib corrosion control)	6/20/16	0.25
NS	Sett	Review settlement proposal emails (re: elect distrib)	6/20/16	0.25
NS	Sett	Review settlement proposals	6/21/16	0.50
NS	GP	Read amended scoping memo	6/23/16	0.25
NS	Sett	Review draft settlement term sheet	7/1/16	0.50
NS	ElecDist	Review edits for errata to GJ testimony	7/27/16	1.00
NS	Sett	Read motion for settlement and final settlement agreement	8/3/16	1.00
NS Total				69.75
Roger Colton	Afford	Research California PUC LI web site	11/6/15	1.50
Roger Colton	Afford	Research state PUC data reporting requirements	11/10/15	2.50
Roger Colton	Afford	Research state PUC data reporting requirements	11/12/15	4.00
Roger Colton	Afford	Research state PUC on-line data for DNPs etc.	11/13/15	4.00
Roger Colton	Afford	Research HEAG adaptability	11/16/15	2.50
Roger Colton	Afford	Research state PUC on-line data for DNPs etc.	11/16/15	4.00

Roger Colton	Afford	Read California needs analysis	12/11/15	2.00
Roger Colton	Afford	Read California needs analysis	12/14/15	2.50
Roger Colton	Afford	Work with Home Energy Affordability Gap (HEAG) spreadsheets	1/19/16	2.00
Roger Colton	Afford	Telecomm and utility reseach by size	1/21/16	3.00
Roger Colton	Afford	Work with HEAG spreadsheets: Gap	2/1/16	3.00
Roger Colton	Afford	Work with HEAG spreadsheets: Gap	2/2/16	4.00
Roger Colton	Afford	Download EIA data on electric utilities, select ""large"", combine with HEAG	2/8/16	4.00
Roger Colton	Afford	Research large electric company locations	2/9/16	5.00
Roger Colton	Afford	Work with large electric utilities and HEAG spreadsheets	2/11/16	6.00
Roger Colton	Afford	Work with large electric utilities and HEAG spreadsheets	2/12/16	3.50
Roger Colton	Afford	Input and oranize state PUC data on DNPs and other reporting	2/21/16	7.00
Roger Colton	Afford	Apply C&C metrics to HEAG spreadsheets	2/24/16	3.00
Roger Colton	Afford	Apply C&C metrics to HEAG spreadsheets	2/26/16	3.00
Roger Colton	Afford	Work with HEAG spreadsheets: Gap and C&C	2/29/16	5.00
Roger Colton	Afford	Affordability research--Ranking counties for western US	3/1/16	5.00
Roger Colton	Afford	Affordability research--ranking counties for CARE coverage	3/2/16	4.50
Roger Colton	Afford	Prepare memo on different aspects of Affordability Gap	3/3/16	6.00
Roger Colton	Afford	Telecom and prepare Affordability Gap memo	3/4/16	3.00
Roger Colton	Afford	Complete draft report	3/4/16	3.50
Roger Colton	Afford	Write testimony--all sections	3/24/16	4.00
Roger Colton	Afford	Write testimony--all sections	4/1/16	8.50
Roger Colton	Afford	Write testimony--collection effort sections	4/2/16	7.50
Roger Colton	Afford	Write testimony--collection effort sections	4/3/16	2.00
Roger Colton	Afford	Write testimony--collection effort sections	4/4/16	3.50
Roger Colton	Afford	Add conclusions section to tty	4/7/16	2.50
Roger Colton	Afford	Telecomm	4/8/16	1.00
Roger Colton	Afford	Edit testimony: 200 - 300 FPL / Reorganize as per telecomm	4/15/16	3.50
Roger Colton	Afford	Edit testimony responding to TURN staff suggestions	4/16/16	3.00
Roger Colton	Afford	Edit testimony responding to TURN staff suggestions	4/17/16	2.50
Roger Colton	Afford	Do analysis on Western Counties ranking	4/19/16	3.00
Roger Colton	Afford	Add section re. west rankings / proofread	4/21/16	3.00
Roger Colton	Afford	Final edits	4/24/16	1.50
Roger Colton Total				139.00
Stephens, Dennis	ElecDist	Initial review of PG&E-04 chapter 13	2/26/16	2.00
Stephens, Dennis	ElecDist	Call with Paul to discuss approach to project/best use of limited time	2/29/16	0.50
Stephens, Dennis	ElecDist	Review: TURN's discovery requests related to PG&E's proposed investments	2/29/16	1.00
Stephens, Dennis	ElecDist	NREL Smart Inverter Review	3/1/16	0.50
Stephens, Dennis	ElecDist	Detailed Review and evaluation of PG&E's Distributed Resource Plan, including the IC model.	3/2/16	4.00
Stephens, Dennis	ElecDist	Further detailed Review and evaluation of PG&E's Distributed Resource Plan, including the IC model.	3/3/16	0.50
Stephens, Dennis	ElecDist	Final detailed Review and evaluation of PG&E's Distributed Resource Plan, including the IC model.	3/4/16	1.50
Stephens, Dennis	ElecDist	Review of PG&E Responses to TURN DRs	3/9/16	0.50
Stephens, Dennis	ElecDist	Review of PG&E Pilot programs, Barriers to DER, DER Integration Capacity Program, and VVO programs	3/9/16	1.00

Stephens, Dennis	ElecDist	Conference Call with TURN, review Wired testimony support, and review of additional testimony strategy	3/10/16	2.50
Stephens, Dennis	ElecDist	DS Qualifications for Testimony and Testimony Review	3/11/16	1.50
Stephens, Dennis	ElecDist	Input for Testimony outline	3/14/16	4.00
Stephens, Dennis	ElecDist	Organization of Dropbox materials for review and analysis - Prep work for meeting with Paul on Request for Information	3/15/16	3.00
Stephens, Dennis	ElecDist	Work with Paul on development of Information Request from PG&E	3/16/16	3.00
Stephens, Dennis	ElecDist	Review new material from TURN, DR-45, Q23 PG&E responses, and attachments - Develop new Questions	3/17/16	2.50
Stephens, Dennis	ElecDist	Review and analysis of the Smart Inverter Working Group document	3/30/16	1.50
Stephens, Dennis	ElecDist	Review and analysis of the ORA draft DERIC and VVO testimony	3/30/16	0.50
Stephens, Dennis	ElecDist	GRC-2017-PhI_DR_TURN_073-Q07-Q10, review, analysis and follow-ups	4/4/16	3.00
Stephens, Dennis	ElecDist	GRC-2017-PhI_DR_TURN_073-Q01-11, review, analysis and follow-ups	4/5/16	1.50
Stephens, Dennis	ElecDist	Outline TURN Testimony with Paul, white board	4/6/16	5.00
Stephens, Dennis	ElecDist	Review Testimony outline with Paul; discuss edits	4/7/16	0.50
Stephens, Dennis	ElecDist	Final review of TURN Testimony Outline; discuss edits with Paul	4/8/16	0.50
Stephens, Dennis	ElecDist	Review TURN testimony Outline with Marcel	4/11/16	2.00
Stephens, Dennis	ElecDist	Review ""Proposed Wired Group Discovery Requests 4/12/16""	4/13/16	1.00
Stephens, Dennis	ElecDist	Review Changes to DERIC testimony outline	4/14/16	0.50
Stephens, Dennis	ElecDist	Review and revise Alvarez and Stephens Direct Testimony	4/19/16	7.00
Stephens, Dennis	ElecDist	Develop 2 additional questions and responses for direct testimony	4/20/16	1.00
Stephens, Dennis	ElecDist	Review and revise Alvarez and Stephens Direct Testimony	4/21/16	1.00
Stephens, Dennis	ElecDist	Review and Respond to DR 94-Q-3,7,9,11,22,24 responses	4/21/16	3.00
Stephens, Dennis	ElecDist	Review of DR94-Q01	4/26/16	1.00
Stephens, Dennis	ElecDist	Review and revise Alvarez and Stephens Direct Testimony	4/27/16	5.00
Stephens, Dennis	ElecDist	Review and revise Alvarez and Stephens Direct Testimony	4/29/16	1.00
Stephens, Dennis	ElecDist	Reviewing and responding to DR's served on TURN by PG&E	5/10/16	2.00
Stephens, Dennis	ElecDist	Reviewing and considering PG&E rebuttals	5/28/16	2.00
Stephens, Dennis	ElecDist	Review DRs with PA and make suggestions (107)	6/2/16	2.50
Stephens, Dennis	ElecDist	Review PG&E responses to 107 DRs	6/24/16	1.50
Stephens, Dennis Total				71.00
TL	GP	Meet w/HG and BF re discussing consultants for expected issues	8/31/15	1.25
TL	GP	Prepare consulting agreement w/C. Yap	9/2/15	0.50
TL	GP	Initial overview of testimony volumes	9/8/15	0.75
TL	GP	Review of issues suitable for J. Nahigian as consultant	9/8/15	0.25
TL	GP	Prepare Draft consulting agreement for J. Nahigian	9/9/15	0.75
TL	GP	Discuss w/M. Toney big picture strategy for challenging PGE lobbying, community relations expenses	9/9/15	0.25
TL	GP	Ph call w/J. Nahigian re potential issues for him to address	9/9/15	0.50
TL	GasDist	Initial review of J. Sugar draft DRs and prep email to him re same	9/11/15	0.25

TL	GP	Exchange emails w/G. Jones (JBS) re JBS assignments and protocols for issue i.d and further analysis	9/11/15	0.50
TL	ElecDist	Discuss w/Eric, Marcel potential need to address in protest timing of DRP costs	9/14/15	0.25
TL	ElecDist	Discuss w/Eric potential issues to assign to him	9/14/15	0.25
TL	Gen	Discuss w/Matt potential nuclear issues for TURN	9/14/15	0.25
TL	A&G	Prep email to J. McGovern re potential consulting work re A&G and proposed next steps	9/16/15	0.50
TL	A&G	Initial overview of vol 9 of PG&E testimony	9/16/15	0.50
TL	GasDist	Overview of vol 3 of PG&E testimony	9/16/15	1.00
TL	GasDist	Prep email to J. Sugar re next steps for his review of Gas Dist issues	9/16/15	0.25
TL	GP	Initial overview of Master DR responses	9/16/15	0.25
TL	HR	Prep email to BF, Marcel re STIP issues and potential consultants	9/16/15	0.50
TL	Risk/Plan	Overview of vol 2 of PG&E testimony	9/16/15	0.50
TL	GasDist	Discuss w/J. Sugar (JBS) potential scope of Gas Dist issues for TURN scrutiny	9/17/15	0.25
TL	GP	Discuss w/BF plans/procedures for supervising work of consultants	9/17/15	0.25
TL	GP	Review Nahigian comments and edit draft Nahigian agreement (0.50) and prep email to him re same (0.25)	9/17/15	0.75
TL	GP	Discuss w/Energy Team potential issues that need to be addressed in protest (DRP, advtsg, SB legal costs etc)	9/17/15	0.50
TL	Risk/Plan	Discuss w/J. Sugar (JBS) potential scope of Risk issues for TURN scrutiny	9/17/15	0.50
TL	GasDist	Prep email to J. Sugar re GT&S issues that might relate to gas dist analysis	9/18/15	0.25
TL	PTYR	Rev and edit DR set 2	9/18/15	0.50
TL	GasDist	Rev of J. Sugar initial list of issues needing further analysis	9/21/15	0.50
TL	GasDist	Prep edits to J. Sugar initial list of issues	9/22/15	0.50
TL	GP	Prep email to PGE re missing attachments to MDR responses	9/22/15	0.25
TL	GP	Exchange emails w/PGE (S. Frank) re corrected MDR responses	9/23/15	0.25
TL	Risk/Plan	Ph call w/J. Sugar re risk model issues that are being addressed in S-MAP and relation to GRC	9/23/15	0.50
TL	GasDist	Meet w/Eric B. re issues for him to address	9/28/15	0.25
TL	GasDist	Rev and edit G.Jones draft list of issues to analyze	9/28/15	0.50
TL	GasDist	Conf call w/ Eric B., Garrick re allocation of Gas Dist issues between them and overall TURN strategy	9/28/15	0.50
TL	GasDist	Overview of vol 4 of PGE testimony	9/28/15	1.00
TL	GP	Discuss protest strategy w/BF	9/28/15	0.25
TL	GP	Rev Exh-1 testimony(summary) to prep questions for workshop	9/28/15	0.75
TL	GP	E-mails to consultants, attys re GRC workshop	9/28/15	0.25
TL	PTYR	Ph cal w/C.Yap re summary of PGE PTY proposal and goals of her analysis	9/28/15	0.50
TL	GP	Attend PG&E case overview workshop, incl RO model	9/29/15	4.50
TL	GP	Continue rev and edit G.Jones draft list of issues to analyze	9/29/15	1.25
TL	PTYR	Prep email to C.Yap re follow-up to workshop	9/29/15	0.25

TL	ShdSvc	Prep email to S. Frank (PGE) re confid issues re Corp RE testimony/workpapers	9/29/15	0.25
TL	GasDist	Research CPUC website re any PGE gas dist citations	9/30/15	0.25
TL	GasDist	Rev Chaps 9 and 10 and associated workpapers re PGE initial case for recovering records mgmt costs	9/30/15	2.50
TL	GP	Rev and respond to S. Frank (PGE) email re various issues (discovery, enabling TURN consultants directly talking to PGE)	9/30/15	0.25
TL	GasDist	Initial review of JS draft DRs and prep email to JS re same	10/1/15	0.50
TL	GP	Discuss w/TURN team issues from workshop	10/1/15	0.25
TL	GP	Draft protest (RR impacts)	10/1/15	0.50
TL	GP	Outline protest	10/1/15	2.25
TL	GP	Draft protest (remedy imprudence)	10/2/15	1.75
TL	GP	Draft protest (RR impacts)	10/2/15	1.50
TL	GP	Edit Marcel section re removing DRP costs from case	10/4/15	0.75
TL	GP	Draft protest (remedy imprudence)	10/4/15	2.00
TL	GP	Draft protest (safety/burden of proof)	10/4/15	1.00
TL	GP	Draft protest (intro, S-MAP overlap, effect on protestant)	10/4/15	0.75
TL	GasDist	Research re PG&E statements in 2014 GRC re drivers of increased spending for mapping, records systems	10/5/15	0.75
TL	GasDist	Rev and edit JSugar draft of 1st set of GD DRs	10/5/15	0.75
TL	GP	General edits to draft protest	10/5/15	1.50
TL	GP	Initial review of other parties' protests	10/5/15	0.25
TL	GP	Meet with TURN's in-house team to discuss strategy and coordination	10/5/15	1.75
TL	Risk/Plan	Draft DRs	10/6/15	0.25
TL	GasDist	Continue review and editing of J.Sugar 1st set DRs and discuss edits w/JS (0.25)	10/7/15	1.75
TL	GP	Prep emails to HG, Matt re new PD in R.13-11-006 deferring issues to this case	10/7/15	0.25
TL	GP	Begin review of application	10/7/15	0.75
TL	GasDist	Rev and edit JS draft of 2nd set of DRs re leak survey issues	10/8/15	0.75
TL	Coord	Discuss w/HG potential coordination issues re CFC	10/12/15	0.25
TL	GasDist	Exchange emails w/J. Sugar re recordkeeping issues raised in testimony in I.14-11-008	10/12/15	0.25
TL	GP	Continue review of application (0.25); discuss potential TURN strategy for case w/BF	10/13/15	0.50
TL	GP	Discuss scope and strategy for TURN involvement w/M. Toney	10/13/15	0.25
TL	GasDist	Rev and edit JS draft of 3rd set of DRs to PG&E re various GD issues	10/16/15	0.50
TL	GasDist	Prep email to J. Sugar re SoCalGas cross bore presentation in SMAP case and relation to PGE practice	10/21/15	0.25
TL	GasDist	Rev and edit JS draft of 4th set of DRs re GD issues	10/22/15	1.00
TL	GasDist	Prep email to HG re responding to PGE proposal for update testimony re OII Remedy overlap issue	10/22/15	0.25
TL	GP	Begin prep for PHC re imprudence issue (0.25); prep insert for TURN PHC statement re same	10/22/15	0.25
TL	GasDist	Continue editing JS draft of 4th set of DR and prep email to JS re same	10/23/15	0.25

TL	GasDist	Dicuss w/HG, BF strategy re TURN argument re PGE failure to make prudence showing	10/26/15	0.50
TL	GasDist	Prep for PHC re TURN's request for suppl test re prudence of RK costs	10/27/15	0.50
TL	GasDist	Prep for GRC PHC re recordkeeping imprudence	10/28/15	1.00
TL	GasDist	Prep for GRC PHC re recordkeeping imprudence	10/29/15	1.50
TL	GasDist	Rev and edit JS revised 4th set of DRs	11/2/15	1.00
TL	GasDist	Final edits to JS 4th set of DRs	11/3/15	0.25
TL	GasDist	Initial comparison of PGE records mgmt testimony in 2014 and 2017 GRCs	11/3/15	0.50
TL	GasDist	Phone call w/JS re questions re draft 4th set of DRs and next steps for his discovery plan	11/3/15	0.75
TL	GasDist	Analyze workshop slides re big ticket issues	11/5/15	1.50
TL	GasDist	Detailed rev of Chap 2 test for key issues, potential DRs	11/5/15	0.75
TL	GasDist	Detailed rev of Chap 1 test for key issues, potential DRs	11/5/15	1.50
TL	GasDist	Rev and analyze 2014 GRC decision re GD issues in relation to 2017 request	11/6/15	2.75
TL	GasDist	Detailed rev of Chap 6C (leak mgmt) test for key issues, potential DRs	11/9/15	0.75
TL	GasDist	Detailed rev of Chap 6C (leak mgmt) test for key issues, potential DRs	11/10/15	1.25
TL	GasDist	Rev and edit JS draft DR set 5 (leak mgmt)	11/10/15	2.00
TL	GasDist	Prep add'l DRs re leak mgmt	11/10/15	0.50
TL	GasDist	Detailed rev of Chap 6C (leak mgmt) test for key issues, potential DRs	11/12/15	1.50
TL	GasDist	Discuss status of analysis re leak mgmt w/JS	11/12/15	0.50
TL	GasDist	Discuss edits to JS draft DR set 5 re leak mgmt	11/12/15	0.50
TL	GasDist	Final edits to DR re leak mgmt	11/12/15	0.25
TL	Afford	Discuss w/MH ideas for TURN testimony/analysis re affordability issues	11/13/15	0.25
TL	GasDist	Detailed rev of Chap 3 (Risk mgmt) test for key issues, potential DRs	11/13/15	1.00
TL	GasDist	Detailed rev of Chap 6C (leak mgmt) test for key issues, potential DRs	11/13/15	0.75
TL	GasDist	Continue rev and analysis of 2014 GRC decision (sections 3.7, 3.8.1)	11/18/15	1.00
TL	GasDist	Detailed rev of Chap 4 (Dist Mains and Services) test for key issues, potential DRs	11/18/15	1.50
TL	Coord	Exchange emails w/M. Pocta (ORA), J. Sugar re setting up meeting to coordinate work efforts	11/19/15	0.25
TL	GasDist	Detailed rev of Chap 4 (Dist Mains and Services) test for key issues, potential DRs	11/19/15	1.75
TL	GasDist	Detailed rev of Chap 4 (Dist Mains and Services) test for key issues, potential DRs	11/20/15	1.25
TL	GasDist	Detailed rev of Chap 5 (M&C, CNG) test for key issues, potential DRs	11/20/15	1.00
TL	Risk/Plan	Rev G.Jones draft DRs re Exh. 2, Chap 4	11/24/15	0.25
TL	GP	Initial review of Scoping Ruling	12/1/15	0.25
TL	GasDist	Rev my notes of review of PGE testimony to prep for ORA call	12/2/15	0.25

TL	GasDist	Ph call w/J. Sugar re status of analysis and prep for ORA call	12/2/15	0.25
TL	GasDist	Rev J. Sugar email re repair allowance issue and prep email to ORA re same	12/2/15	0.25
TL	GasDist	Ph call w/ORa team, J. Sugar re coordinating work on Gas Dist issues	12/2/15	0.75
TL	GasDist	Edit JS early Dec set of draft DRs	12/9/15	0.75
TL	GasDist	Final edits to JS early Dec DRs	12/10/15	0.25
TL	GasDist	Rev and edit JS mid-Dec DRs	12/11/15	2.25
TL	GasDist	Rev and edit JS revised draft of mid-Dec DRs	12/15/15	0.50
TL	GasDist	Ph call w/J. Sugar re strategy re PGE capital underspending for main replacement, reprioritization	12/15/15	0.75
TL	GasDist	Final edits to JS mid-Dec DRs	12/16/15	0.25
TL	GasDist	Rev and edit JS late Dec set of draft DRs	1/5/16	2.25
TL	GasDist	Rev and edit JS revisions to late Dec draft DRs	1/6/16	0.50
TL	GasDist	Final review and edits of JS late-Dec set of DRs	1/7/16	0.50
TL	GasDist	Continue detailed review of Chap 5 (M&C) for key issues, potential DRs	1/12/16	1.50
TL	GasDist	Detailed review of Chap 6A(Ops and Maint.) for key issues, potential DRs	1/12/16	0.25
TL	GasDist	Prep email to J. Sugar re planning next steps for analysis	1/15/16	0.25
TL	GasDist	Rev and edit mid-Jan draft DRs from JS	1/25/16	1.00
TL	GasDist	Rev and analyze Chap 6A re key issues and potential DRs	1/26/16	1.25
TL	GasDist	Final edits to mid-Jan draft DRs	1/26/16	0.25
TL	GasDist	Rev and analyze Chap 6A re key issues and potential DRs	1/27/16	0.75
TL	GasDist	Rev and analyze Chap 6B (CC) re key issues and potential DRs	1/27/16	1.00
TL	GasDist	Rev and analyze Chap 6B (CC) re key issues and potential DRs	1/28/16	2.50
TL	DefWk	Discuss w/Bob how to deal with PGE reprioritization issues	1/29/16	0.50
TL	DefWk	Prep email to TURN attys re recurring reprioritization issues in PGE testimony	1/29/16	0.50
TL	GasDist	Ph call w/JS re status of his analysis and next steps	1/29/16	0.50
TL	GasDist	Rev JS initial comments on my outline of issues/potential DRs	1/29/16	0.50
TL	GasDist	Initial review of PGE Supp test re RK costs (Ex. 17)	2/1/16	2.00
TL	GasDist	Draft DRs on Risk analysis issues	2/5/16	1.75
TL	GasDist	Review JS analysis in response to my notes on Chaps 1-6C	2/5/16	1.00
TL	GasDist	Draft DRs on external and internal audit findings etc	2/8/16	0.25
TL	GasDist	Draft DRs re reprioritization issues	2/8/16	0.50
TL	GasDist	Analysis of notes/DR responses to date to determine TURN priority issues (Chaps 1-3)	2/8/16	0.75
TL	Risk/Plan	Draft DRs on Risk analysis issues	2/8/16	0.75
TL	GasDist	Ph call w/J Sugar re discussing potential priority issues for testimony (Chaps 1-4)	2/9/16	1.25
TL	GasDist	Continue analysis re determining priority issues (Chap 4)	2/9/16	0.75
TL	GasDist	Continue analysis re determining priority issues (Chap 5-1.25, chap 6A-0.75, chap 6B-0.75)	2/10/16	2.75
TL	#	TURN internal strategy and coordination meeting (HG, BF, EB, ET, MH, MF)	2/11/16	2.00
TL	GasDist	Continue analysis re determining priority issues (Chap 6B)	2/11/16	0.75

TL	GasDist	Ph call w/J Sugar re discussing potential priority issues for testimony (Chaps 5, 6A, 6B)	2/11/16	1.00
TL	GasDist	Continue analysis re determining priority issues (Chap 6B)	2/12/16	0.50
TL	GasDist	Ph call w/J Sugar re discussing potential priority issues for testimony (Chaps 6B, 6C)	2/12/16	1.50
TL	GasDist	Continue analysis re determining priority issues (Chap 6C)	2/12/16	1.00
TL	GasDist	Prepare outline of highest priority potential issues	2/22/16	3.25
TL	GasDist	Rev and edit JS draft early Feb DRs	2/24/16	1.75
TL	GasDist	Rev of responses to TURN DR 48 re reprioritization	2/29/16	0.25
TL	GasDist	Rev and edit JS draft mid Feb DRs	2/29/16	1.50
TL	GasDist	Initial overview of responses to TURN DRs 47 re violations and audit findings	2/29/16	0.75
TL	Risk/Plan	Ph call w/S. Frank (PGE) re non-responsive DR responses	2/29/16	0.25
TL	Risk/Plan	Rev of responses to TURN DR 46 re risk issues and prep for meet and confer re non-responsiveness	2/29/16	0.50
TL	GasDist	Rev and edit JS mid Feb draft DRs re various GD issues	3/1/16	3.00
TL	GasDist	Prep DRs re asset mgmt plans	3/1/16	0.50
TL	Risk/Plan	Prep DRs re risk issues	3/1/16	0.75
TL	#	Ph call w/ T.Roberts (ORA) re ORA capital analysis (0.25) and prep email to TURN team re same	3/2/16	0.50
TL	Coord	Coordination meeting with CFC attys and expert	3/2/16	1.00
TL	GasDist	Rev and edit JS revised draft of mid Feb DRs and phone call w/JS re same (0.25)	3/2/16	0.75
TL	GasDist	Final revisions to mid-Feb DRs	3/2/16	0.50
TL	GasDist	Prep DRs re various gas dist issues	3/3/16	2.50
TL	Risk/Plan	E-mail to S. Frank (PGE) re insufficient response to DR 46-2	3/3/16	0.25
TL	#	Prep DR re general issue re PGE voluntary exclusions	3/4/16	0.25
TL	Risk/Plan	Initial overview of SED risk report	3/7/16	0.50
TL	Risk/Plan	Detailed review and analysis of PGE-3, Chap. 3	3/9/16	1.50
TL	Risk/Plan	Detailed review and analysis of PGE-3, Chap. 4	3/9/16	0.25
TL	GasDist	Rev and edit JS early March draft DRs re various GD issues	3/10/16	1.00
TL	GP	Initial overview of errata, update testimony	3/10/16	0.25
TL	Risk/Plan	Detailed review and analysis of PGE-3, Chap. 4 and related workpapers	3/10/16	2.75
TL	Risk/Plan	Initial review of PGE revised responses to DR set 46	3/14/16	0.25
TL	Risk/Plan	Prep new set of DRs re risk issues	3/14/16	2.50
TL	GasDist	Final edits to JS early March draft DRs	3/15/16	0.50
TL	GasDist	Prep email to D. Berger re potential consulting role on technical issues	3/15/16	0.25
TL	Risk/Plan	Rev PGE DR responses re risk mgmt process, including Sess. D, S-1 and S-2 docs for GD	3/15/16	2.75
TL	Risk/Plan	Revise DRs re risk issues in light of recent PGE DR responses	3/15/16	0.50
TL	Coord	Prep email to C.Tang (ORA) re coordinating analysis on Gas Dist issues	3/16/16	0.25
TL	GasDist	Prep email to JS re questions re his latest DR	3/16/16	0.25
TL	RBO	Analysis of impact of tax laws on short and long-term RR associated with capital additions	3/16/16	1.00
TL	#	Ph call w/D. Berger re serving as technical consultant	3/17/16	0.25

TL	Afford	Emails w/Marcel re issues for affordability analysis (0.25); prep email to HG explaining my concerns	3/17/16	0.50
TL	Afford	Meet w/MH, BF, Mark, Eric re key points for TURN affordability testimony	3/17/16	0.50
TL	GasDist	Rev PGE DR responses re Tee Cap issues	3/17/16	0.25
TL	RBO	Debrief re B. Marcus analysis w/BF	3/17/16	0.25
TL	RBO	Ph call w/B. Marcus re impact of tax laws on analysis of capital spending	3/17/16	0.50
TL	RBO	Ph call w/M. Pocta (ORA) re impact of tax laws on analysis of capital spending	3/17/16	0.25
TL	GasDist	Final edits to JS mid-March DR	3/18/16	0.25
TL	RBO	Prep memo to TURN team re impact of tax law changes on our capital analysis	3/18/16	1.50
TL	Risk/Plan	Begin outlining my risk testimony	3/18/16	1.00
TL	GasDist	Rev DR response re main replacement costs	3/21/16	0.25
TL	GasDist	Prep email to JS re next steps for outlining testimony	3/21/16	0.50
TL	GasDist	Rev and edit JS first draft outline of GD testimony	3/21/16	1.00
TL	GasDist	Prep D. Berger consulting agreement	3/21/16	0.50
TL	Risk/Plan	Rev risk DR responses	3/21/16	0.25
TL	Risk/Plan	Detailed rev and analysis of SED risk report	3/21/16	3.00
TL	Risk/Plan	Continue outlining risk/reprioritization testimony	3/22/16	1.25
TL	GasDist	Ph call w/JS re next steps for GD analysis/testimony and intersection with my risk testimony	3/23/16	1.00
TL	Risk/Plan	Prep questions for w/s on SED report and PGE's new slides and research DR responses for same	3/24/16	2.75
TL	Risk/Plan	Discuss w/s strategy (0.25) w/N. Skinner (ORA) and coordinate re our respective risk testimony	3/24/16	0.50
TL	Risk/Plan	Participate in SED w/s on risk issues	3/25/16	5.00
TL	GasDist	Analyze PGE DR responses re reprioritization issues	3/28/16	2.75
TL	A&G	Prep detailed list of cases for Bob warranting removal of PGE legal costs	3/29/16	1.00
TL	GasDist	Continue analysis of PGE DR responses re reprioritization issues	3/29/16	2.25
TL	GasDist	Rev JS corrosion issues re seeking technical assistance	3/29/16	0.25
TL	GasDist	Initial review of recent DR responses	3/29/16	1.50
TL	A&G	Discuss issues re excludable legal costs w/BF	3/30/16	0.25
TL	DefWk	Meet w/Bob, Eric re potential deferred maintenance testimony (policy, ED, GD)	3/30/16	1.25
TL	DefWk	Rev and analyze 2014 GRC decision re deferred maintenance issues	3/30/16	0.50
TL	GasDist	Initial overview of recent PGE GD Safety reports per 2011 GRC decision	3/30/16	0.50
TL	GasDist	Rev and edit JS late March set of DRs (0.50) and discuss same with him	3/30/16	0.75
TL	GasDist	Exchange emails w/ S.Frank re confirming results of today's meet and confer call	3/30/16	0.25
TL	GasDist	Discuss w/ JS issues re corrosion control testimony and need for technical help	3/30/16	0.75
TL	GasDist	Ph call w/S.Frank (PGE re PGE objections to DR 67-8 and requested supplements for other responses	3/30/16	1.00

TL	GasDist	Discuss w/BF PGE proposed resolution to dispute re DR 67-8	3/30/16	0.25
TL	GasDist	Ph call w/JS and D. Berger re CP resurvey technical questions and prep for same	4/1/16	0.75
TL	GasDist	Initial overview of ORA draft expense (Part 1) and capital testimony	4/4/16	0.50
TL	GasDist	Rev and edit JS draft outline of his testimony	4/4/16	1.00
TL	GasDist	Ph call w/JS re his draft outline (1.25) and review JS edits to his previous draft to prep for same	4/5/16	1.50
TL	Afford	Rev Colton draft testimony (1.0) and prep cmts to Marcel re same	4/6/16	1.25
TL	DefWk	Discuss w/BF issues re unjustified unit cost increases and PGE double recovery	4/6/16	0.50
TL	DefWk	Continue outlining my policy testimony	4/6/16	0.25
TL	GasDist	Rev and edit JS early April draft DRs	4/6/16	0.75
TL	GasDist	Ph call w/JS re his draft outline - part 2 (1.00) and prep for same	4/6/16	1.25
TL	Afford	Discuss Colton draft testimony w/MH	4/7/16	0.75
TL	GasDist	Discuss capital double recovery/unjustified cost increase issues w/B. Marcus (0.5) and revise outline of testimony based on discussion	4/7/16	1.00
TL	GasDist	Email to JS re reprioritization issues (0.25) and phone call re same	4/8/16	0.75
TL	Risk/Plan	Rev recent DR responses re risk issues	4/8/16	1.25
TL	GasDist	Prep emails to S. Frank re following up on insufficient responses to TURN 48-1 and 67-8	4/11/16	0.25
TL	GasDist	Rev emails from MH, JS re overlapping issues in Gas Leak OIR	4/11/16	0.25
TL	GasDist	Rev and edit revised draft JS testimony outline	4/11/16	0.50
TL	GasDist	Analysis of PGE-17 (1.25) and prep outline of potential testimony re same (1.0)	4/11/16	2.25
TL	DefWk	Discuss w/ BF points for my testimony re reprioritization/double recovery issues	4/18/16	0.25
TL	GasDist	Exchange emails w/S. Frank (PGE) re claimed confidentiality for DR 64-6, atch 1	4/18/16	0.25
TL	GasDist	Rev and analyze GD pipeline safety reports for 2014-1 and 2014-2	4/18/16	1.50
TL	GasDist	Initial review of recent DR responses	4/18/16	0.75
TL	GasDist	Ph call w/JS re findings from his research re service replacement policy	4/18/16	0.75
TL	Risk/Plan	Rev new DR responses re risk/reprioritization issues and update outline of testimony	4/18/16	2.00
TL	GasDist	Rev and analyze GD pipeline safety reports for 2015-1 and 2015-2	4/19/16	1.50
TL	Risk/Plan	Discuss reprioritization issues w/Marcel	4/19/16	0.50
TL	Risk/Plan	Prep email to TURN analysts seeking examples of reprior/deferred work	4/19/16	0.50
TL	Risk/Plan	Continue outline of reprior portion of my testimony	4/19/16	1.00
TL	Risk/Plan	Continue outline of risk portion of my testimony	4/19/16	0.75
TL	GasDist	Rev JS analysis of issues re PGE revised service replacement policy	4/20/16	0.25

TL	GasDist	Analysis to help develop ratemaking adjustment for Aldyl-A deferred work	4/20/16	1.50
TL	Risk/Plan	Draft reprior testimony	4/20/16	2.25
TL	Risk/Plan	Research CPUC decisions re GRC efficiency incentives - for reprior testimony	4/20/16	0.75
TL	#	Draft qualifications part of testimony	4/21/16	0.50
TL	#	Discuss w/HG coordinating testimony and exhibits	4/21/16	0.25
TL	DefWk	Continue outlining reprioritizing part of testimony	4/21/16	0.25
TL	DefWk	Analyse examples from team of PGE reprioritizations	4/21/16	1.75
TL	GasDist	Rev and edit JS draft testimony (service replacement/tee caps)	4/21/16	1.25
TL	GasDist	Ph call w/JS, Bill M. re reprioritization in GD	4/21/16	0.75
TL	Risk/Plan	Rev ORA risk testimony	4/21/16	0.50
TL	Risk/Plan	Draft risk model part of my testimony	4/21/16	1.75
TL	DefWk	Prep email to TURN attys re coordinating testimony re reprior issues (0.25) and discuss same with MH	4/22/16	0.25
TL	GasDist	Rev and analysis of JS draft re pipe repl unit costs	4/22/16	3.00
TL	GasDist	Analysis of serv repl/tee cap issues (0.75) and call with JS and B. Marcus re same (1.0)	4/22/16	1.75
TL	GasDist	Rev and analysis of JS draft: MAT 50A reprior issues (2.0);Corrosion control (2.75)	4/24/16	4.75
TL	DefWk	Draft policy testimony re reprioritization	4/25/16	3.25
TL	Risk/Plan	Draft my risk testimony	4/25/16	3.50
TL	GasDist	Analysis for reprior R/M adjustment for HPR (2K) and valves (50E)	4/26/16	2.75
TL	GasDist	Edit JS draft re 4 year leak survey	4/26/16	1.75
TL	GasDist	Review and edit JS revised draft (multiple issues)	4/26/16	1.25
TL	GasDist	Ph call w/JS re questions/issues in his analysis	4/26/16	2.00
TL	GasDist	Rev and edit JS draft re service replacements and analyze his supporting docs	4/27/16	3.50
TL	GasDist	Draft my risk testimony	4/27/16	5.00
TL	GasDist	Draft my reprior testimony	4/27/16	2.25
TL	DefWk	Draft reprior testimony	4/28/16	7.25
TL	GasDist	Analysis for recordkeeping (RK) testimony	4/28/16	0.50
TL	GasDist	Rev and edit JS revised draft	4/28/16	3.75
TL	GasDist	Ph call w/ JS to discuss his latest draft (0.75) and prep for same	4/28/16	1.00
TL	Risk/Plan	Draft risk testimony	4/28/16	1.50
TL	#	Final edits to my testimony	4/29/16	0.50
TL	#	Prep attachments to my testimony	4/29/16	1.00
TL	GasDist	Outline/draft RK testimony	4/29/16	4.25
TL	GasDist	Edit new JS draft	4/29/16	1.75
TL	#	Prep attchmts to my testimony	5/1/16	0.50
TL	#	Prep attchmts to my testimony	5/2/16	0.50
TL	#	Initial review of PGE DRs re my risk and reprior testimony	5/3/16	0.25
TL	GasDist	Exchange emails w/JS re need to correct his Grade 3 leak repair testimony	5/3/16	0.25
TL	PTYR	Respond to HG email re sharing work product re tax issues with PTY consultant	5/3/16	0.25
TL	GasDist	Discuss JS correx to leak repair testimony w/Marcel	5/4/16	0.25

TL	GasDist	Ph call w/JS re comparison exh, errata, workpapers, responding to DRs	5/4/16	0.50
TL	JCE	Begin review of JS comp exh	5/4/16	0.25
TL	JCE	Rev comp exh requirements	5/4/16	0.25
TL	Sett	Discuss stlmt offer and issues w/HG, BF	5/4/16	0.25
TL	JCE	Rev and edit JS draft pages for Comp. Exh (CE)	5/5/16	3.00
TL	JCE	Rev and edit JS revised CE pages	5/6/16	2.00
TL	JCE	Prep CE pages for my testimony recs	5/6/16	1.75
TL	Sett	Ph calls w/BF and HG to develop TURN stlmt position and counters to PGE offer	5/10/16	4.00
TL	#	Rev my testimony for necessary revisions	5/11/16	0.75
TL	GasDist	Rev and edit JS revised testimony (1.25) and ph call w/JS re same	5/11/16	1.50
TL	GasDist	Rev JS workpapers for his testimony	5/11/16	0.25
TL	Sett	Rev ORA email re TURN proposed counter and prep email to HG re same	5/11/16	0.25
TL	GasDist	Exchange emails w/JS re next steps for revised testimony	5/12/16	0.50
TL	Sett	Exchange emails w/HG re analysis needed for stlmt	5/12/16	0.50
TL	GasDist	Rev and edit JS new draft of revised testimony	5/13/16	1.75
TL	GasDist	Rev and edit JS new set of DRs to PGE	5/13/16	1.25
TL	GasDist	Prep DR to PG&E re 2015 Pathfinder recorded costs	5/13/16	0.25
TL	GasDist	Rev and Edit JS draft responses to PG&E DR set 1 (1.5) and discuss same w/ JS	5/16/16	1.75
TL	GasDist	Draft TL responses to PG&E DR set 1	5/16/16	3.50
TL	GasDist	Begin responding to PGE DR set 9	5/17/16	0.25
TL	GasDist	Final edits to JS latest set of DRs to PGE	5/17/16	0.25
TL	GasDist	Rev and edit JS revised DR responses to set 1	5/17/16	0.75
TL	GasDist	Analyze PD re Crit Docs/ECA issues (0.25) and ph call w/K.Morsony (IS) re arguments for comments	5/17/16	0.75
TL	GasDist	Draft TL responses to PG&E DR set 1	5/17/16	1.75
TL	Sett	Prep emails to HG re San Bruno remedies overlap costs	5/17/16	0.25
TL	Sett	Rev HG materials re latest stlmt developmts and prep emails to HG re same	5/17/16	1.25
TL	GasDist	Rev and edit JS draft responses to PGE DR set 9	5/18/16	2.00
TL	GasDist	Prep TL response to PGE DR 9-1	5/18/16	0.25
TL	Sett	Discuss strategy and concerns w/settlement w/HG, MH et al	5/18/16	3.50
TL	GasDist	Rev and edit JS revised draft of DR set 9 responses	5/19/16	1.25
TL	GasDist	Review latest revisions to JS testimony and make ready for distribution	5/19/16	0.50
TL	Risk/Plan	Prep response to PGE DR set 10 re my risk testimony	5/19/16	1.00
TL	GasDist	Rev and edit JS draft DR responses to set 13	5/22/16	1.00
TL	GasDist	Rev and edit JS initial draft and revised responses to DR set 13	5/23/16	1.25
TL	GasDist	Prep responses to PGE DR set 14 re my Pathfinder testimony	5/23/16	1.50
TL	Sett	Discuss status of stlmt talks w/BF	5/25/16	0.25
TL	GasDist	Discuss w/MH taking on leak mgmt issues	5/26/16	0.25
TL	GasDist	Discuss w/NS taking on corrosion control issues	5/26/16	0.25
TL	Sett	Prep email to BF re leak survey stlmt issues	5/26/16	0.25
TL	Sett	Ph calls w/HG and BF to discuss next stlmt offer, process issues	5/26/16	2.00

TL	Sett	Prep email to BF, HG re need to suspend litig for stlmt talks	5/26/16	0.25
TL	Sett	Rev stlmt update analysis from HG	5/26/16	0.50
TL	GasDist	Email to JS re planning for rebuttal DRs	5/27/16	0.50
TL	GasDist	Prep emails to JS, NS, MH re handoff of leak mgmt, CC issues	5/27/16	0.25
TL	Sett	Ph call w/B. Marcus, HG, BF re stlmt strategy	5/30/16	1.75
TL	GasDist	Begin review of PGE rebuttal test on GD issues	6/3/16	0.25
TL	Risk/Plan	Initial overview of PGE rebuttal test on risk issues	6/3/16	0.25
TL	Sett	Discuss next steps re stlmt w/HG	6/3/16	0.25
TL	GasDist	Prep DRs on PGE rebuttal re TURN reprioritization/deferred work testimony	6/5/16	1.75
TL	Sett	Rev Sempra GRC PD provisions re safety accountability reports for potential use in PGE stlmt re risk issues	6/5/16	0.25
TL	GasDist	Prep DRs on PGE rebuttal re TURN reprioritization/deferred work testimony	6/6/16	1.00
TL	GasDist	Rev and edit JS draft DRs re serv repl issues (1.25) and ph call w/JS re same	6/6/16	1.75
TL	GasDist	Prep cross of Howe re reprior rebuttal testimony	6/6/16	0.75
TL	GasDist	Rev and analyze PGE rebuttal re service replacement issues	6/6/16	0.75
TL	Sett	Analysis of GD issues to develop detailed stlmt proposal, prep for hearings	6/7/16	2.50
TL	Sett	Meet w/HG re stlmt status and next steps	6/7/16	0.50
TL	GasDist	Rev JS revised testimony attachments	6/8/16	0.25
TL	Sett	Analysis of GD issues to develop detailed stlmt proposal, prep for hearings	6/8/16	3.00
TL	Sett	Analyze tax issues re TURN proposed R/m disallowances	6/8/16	0.75
TL	GasDist	Analyze PGE rebuttal re Pathfinder and prep DR re same	6/10/16	1.00
TL	Sett	Rev and analyze PGE rebuttal re Leak mgmt, CC issues for stlmt proposal, prep for hrgs	6/12/16	2.50
TL	Sett	Analysis to develop GD stlmt offer	6/13/16	3.00
TL	Sett	Ph calls w/B. Marcus, J. Sugar to assess our litigation positions, options for stlmt proposal	6/13/16	2.00
TL	Sett	Prep settlement positions on GD issues	6/14/16	1.50
TL	Sett	Ph call w/ORR (Pocta, Skinner) and TURN team (HG, MH, Bill M.) re GD stlmt positions	6/14/16	1.25
TL	Sett	Develop expense and capital stlmt positions for TURN GD issues and discuss same w/JS (0.25)	6/15/16	2.75
TL	GasDist	Rev and analyze PGE request for supplemental response to DR 9-2; prep email to JS re same	6/20/16	0.25
TL	Sett	Stlmt status meeting w/HG	6/20/16	0.25
TL	Sett	Discuss GD stlmt issues, strategy w/Bob	6/20/16	0.25
TL	GasDist	Rev and edit JS draft suppl response to DR 9-2 and discuss same w/JS (0.50)	6/21/16	1.50
TL	GasDist	Rev PGE new DR responses re serv replacement policy and deferred safety work	6/21/16	1.00
TL	GasDist	Ph call w/JS re evaluating serv replacement imprudence arguments in light of new DR responses	6/21/16	0.75
TL	Sett	Analysis for non-RR stlmt proposal re deferred work issue	6/21/16	1.00
TL	DefWk	Rev PGE DR responses re deferred work	6/22/16	0.25
TL	GasDist	Rev JS data from PGE DR responses re service replacement issue	6/22/16	0.25

TL	Sett	Meet w/HG re next steps and strategy for GD/safety issues for stlmt	6/22/16	0.50
TL	Sett	Draft non-RR stlmt proposals re accountability for safety work	6/22/16	1.25
TL	GasDist	Rev JS draft DR following up new DR response re serv replacement policy	6/23/16	0.25
TL	Sett	Draft non-RR stlmt proposals re accountability for safety work	6/23/16	1.50
TL	Sett	Draft non-RR stlmt proposals re accountability for safety work	6/24/16	2.50
TL	Sett	Draft non-RR stlmt proposals re risk management	6/24/16	1.00
TL	Sett	Prep memo analyzing litigation prospects, stlmt options for service replacement issues	6/26/16	2.50
TL	Sett	Discuss w/HG PGE reaction to non-RR stlmt proposals, next steps for negotiations	6/27/16	0.50
TL	Sett	Prepare a RR neutral serv replacement stlmt proposal	6/27/16	0.75
TL	Sett	Ph calls w/JS and Bill M. re developing stlmt proposal for serv replacement issue	6/27/16	0.75
TL	Sett	Prep email to S. Rafferty (CAUSE) re TURN safety and risk mgmt proposals to PGE	6/28/16	0.25
TL	Sett	Discuss potential stlmt scenarios w/HG and BF	6/28/16	0.50
TL	Sett	Ph call w/S. Frank (PGE) re TURN serv repl stlmt offer (0.25) and prep emails to HG (0.25 and ORA re same	6/28/16	0.75
TL	Sett	Rev CAUSE draft safety language and prep email to S.Rafferty re same	6/30/16	0.50
TL	Sett	Analyze draft EDF and NDC MOU language and prep email to HG, MH re same	6/30/16	0.75
TL	Sett	Rev PGE response to TURN non-RR proposal and prep email to HG re same	7/1/16	0.50
TL	Sett	Prep analysis and questions re PGE non-RR counter re safety/accountabilty	7/2/16	0.50
TL	Sett	Ph call w/S.Frank re non-RR provisions re safety	7/6/16	1.00
TL	Sett	Prep email to HG summarizing call w/S. Frank	7/10/16	0.25
TL	Sett	Discuss recent stlmt developments w/HG	7/11/16	0.25
TL	Sett	Ph call w/ J. Mauldin (CUE) re sharing TURN proposed safety and accountability proposals	7/12/16	0.25
TL	Sett	Research re current PGE budget reports per D.11-05-018 and analyze PGE counter in light of that research	7/12/16	1.75
TL	Sett	Prep email to ORA (M. Pocta, L. Tudisco) explaining draft counter proposal	7/13/16	0.50
TL	Sett	Analysis of PGE counter language re non-RRQ safety/accountability issues and discuss w/HG (1.25); ph call w/S. Frank (PGE) re same (0.5)	7/13/16	1.75
TL	Sett	Discuss w/HG her discussions w/PGE re TURN safety and accountability proposals and TURN strategy in response	7/13/16	0.50
TL	Sett	Draft counter to PG&E non RRQ language	7/13/16	1.25
TL	Sett	Prep email responding to S. Rafferty re potential stlmt/litigation scenarios	7/14/16	0.25
TL	Sett	Continue drafting counter to PGE re non-RRQ issues	7/14/16	0.50
TL	Sett	Prep email to HG re ORA response re TURN proposed counter on non-RRQ issues	7/14/16	0.25

TL	Sett	Draft compromise language for deferred safety work issue	7/15/16	1.75
TL	Sett	Discussions w/HG, BF re strategy and substance of potential counteroffer re deferred safety work issue	7/15/16	2.00
TL	Sett	Research re language from CPUC decisions re deferred safety work	7/15/16	0.50
TL	Sett	Rev BF comments on revised draft language and draft new version re deferred safety work	7/18/16	1.25
TL	Sett	Ph call w/S. Rafferty re stlmt process concerns	7/18/16	0.50
TL	Sett	Update re stlmt status w/HG	7/19/16	0.25
TL	Sett	Rev PGE/CUE language re RAMP issue and prep email to HG re same	7/20/16	0.25
TL	Sett	Prep email to HG, BF, Mark re PGE tactics on deferred safety work issue	7/23/16	0.75
TL	Sett	Discuss potential next steps w/PGE re deferred safety work issue w/HG, BF	7/25/16	0.50
TL	Sett	Prep email to Mark re explaining issues raised in his call w/ R. Kenney re deferred safety work issue	7/25/16	0.50
TL	Sett	Meet w/ HG, BF re PGE latest stance re deferred work issue and develop strategy re same	7/27/16	0.75
TL	Sett	Prep draft response to PGE counter re deferred work, safety prioritization	7/28/16	1.75
TL	Sett	Rev and analyze PGE counter re deferred work, safety mitigation prioritization issues	7/28/16	0.75
TL	GasDist	Revise JCE re corrected disallowance for Pathfinder	7/29/16	0.25
TL	Sett	Discuss my draft response w/HG, BF to prep for PGE negotiations re safety issues	7/29/16	1.25
TL	Sett	Negotiations w/PGE (S. Frank, R. Kenney et al) re safety issues	7/29/16	4.25
TL	GasDist	Prep errata/update version of my testimony	7/31/16	0.50
TL	Sett	Discuss status of our issues/motion w/HG	8/1/16	0.25
TL	Sett	Review CAUSE new safety-related proposals	8/1/16	0.25
TL	Sett	Draft alternative to PGE discretion language and prep email to HG re same	8/1/16	0.25
TL	Sett	Edit draft m/adopt stlmt re our safety provisions	8/1/16	0.50
TL	Sett	Analyze PGE counter re mgmt discretion and draft TURN counter, prep emails to HG, BF explaining concerns re PGE language	8/2/16	1.00
TL	Sett	Rev CAUSE email re 8/1 stlmt conf and provide analysis to HG re same	8/2/16	0.25
TL	WS/EH	Discuss w/HG SED desired meeting re safety issues and prep email to S. Sharp (PGE) re same	8/16/16	0.25
TL	WS/EH	Emails w/SED (A. O'Donnell), PGE (S. Sharp) re meeting w/SED re safety issues	8/18/16	0.25
TL	WS/EH	Ph call w/S. Sharp (PGE) re PGE's meeting with SED/ED and brief Hayley re same	8/22/16	0.50
TL	WS/EH	Rev PGE draft power point summarizing stlmt	8/22/16	0.50
TL	WS/EH	Discuss plans for 8/30 workshop/ edits to PGE powerpoint w/ Bob	8/24/16	0.25
TL	WS/EH	Draft edits to PGE draft P/P re safety provisions and prep email to HG explaining same	8/24/16	1.00
TL	WS/EH	Call w/HG, BF re prep for 8/30 workshop	8/26/16	0.75

TL	WS/EH	Emails w/HG, BF re planning for 8/30 workshop re settlement	8/26/16	0.25
TL	WS/EH	Attend and participate in CPUC workshop	8/30/16	2.50
TL	PD	Discuss strategy re responding to PD with HG,BF	3/6/17	0.50
TL	PD	Detailed review and analysis of PD discussions related to safety issues	3/6/17	1.25
TL	PD	Prep email to HG re issues raised by my analysis of PD	3/7/17	0.75
TL	PD	Rev PGE edits to stlmt document and advise HG re same	3/14/17	0.50
TL	PD	Rev PGE draft PD comments re safety monitor costs and prep email to HG re same	3/17/17	0.50
TL	PD	Prep PD comments on deferred work principles (3.2.8.4) and emails to HG re same	3/17/17	2.50
TL	PD	Prep email to S. Frank (PGE) seeking reaction to draft PD cmts re 3.2.8.4	3/17/17	0.50
TL	PD	Rev HG draft Section re \$300M cuts and prep email w/comments re same	3/19/17	0.75
TL	PD	Rev PGE response to ALJ re updated bill impacts and discuss w/HG,BF need for 3-year info; prep request to ALJ re same	3/27/17	1.00
TL Total				421.00
Grand Total				4814.82

Attachment 3

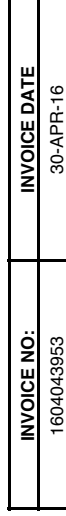
Expense Detail

TURN Expenses Associated with A.15-09-001

Date	Proceeding	Expense	Description	Amount
10/5/15	A15-09-001	\$Copies	Copy to mail Protest to Application of TURN to the ALJ - 20 pages at \$0.10 p	\$2.00
10/23/15	A15-09-001	\$Copies	Copy of prehearing conference statement of TURN to send to the ALJ - 12	\$1.20
11/30/15	A15-09-001	\$Copies	Copy to send Notice intent to claim intervenor compensation to ALJ - 7	\$1.15
1/5/16	A15-09-001	\$Copies	TURN Office Copies & Scans associated with A15-09-001 for the period September 10, 2015 to January 5, 2016 (scans: 7)	\$0.70
1/6/16	A15-09-001	\$Copies	Copy Of Amendment To The Notice Of Intent Claim Intervenor Compensation Of TURN To Send To The ALJ - 28 Pages at \$0.10 per page	\$2.80
3/17/16	A15-09-001	\$Copies	TURN Office Copies & Scans associated with A15-09-001 for the period January 5, 2016 to March 17, 2016 (scans: 1)	\$0.10
6/7/16	A15-09-001	\$Copies	TURN Office Copies & Scans associated with A.15-09-001 for the period March 18, 2016 to June 6, 2016 (scans: 394)	\$39.40
7/18/16	A15-09-001	\$Copies	Copies of Notice Of The Utility Reform Network Of Ex Parte Communication to ALJ - 5 pages at \$.10 per page	\$0.50
8/9/16	A15-09-001	\$Copies	TURN Office Copies & Scans associated with A15-09-001 for the period June 6, 2016, to August 9, 2016 (scans: 6)	\$0.60
8/18/16	A15-09-001	\$Copies	Copy of Opening Comments of TURN and Collaborative Approaches to Utility Safety Enforcement on the ""Contested Issues"" Identified in the Proposed Settlement to send to the ALJ - 19 pages at \$0.10 per page	\$1.90
8/25/16	A15-09-001	\$Copies	Copy of Reply Comments of TURN on the ""Contested Issues"" Identified in the Proposed Settlement to send to the ALJ - 19 pages at \$0.10 per page	\$1.90
1/23/17	A15-09-001	\$Copies	Copy of Late-Filed Ex Parte to send to the ALJ - 3 pages at \$0.10 per page	\$0.30
3/20/17	A15-09-001	\$Copies	Copy of Opening Comments of TURN on PD of ALJ Roscow Concerning Issues Other than the Standard for Evaluating Settlements to send to the ALJ -	\$1.80
3/27/17	A15-09-001	\$Copies	Copy of Reply Comments of TURN on the PD of ALJ Roscow to send to the ALJ - 5 pages at \$0.10 per page	\$0.50
3/28/17	A15-09-001	\$Copies	Copy of Ex Parte to send to the ALJ - 3 pages at \$0.10 per page	\$0.30
		\$Copies Total		\$55.15
4/30/16	A15-09-001	\$Lexis Research	LexisNexis April 2016 Invoice	\$94.03
8/31/16	A15-09-001	\$Lexis Research	LexisNexis August 2016 Invoice	\$22.99
		\$Lexis Research Total		\$117.02

TURN Expenses Associated with A.15-09-001

9/30/15	A15-09-001	\$Phone	9/30/2015 Phone Bill	\$2.80
10/31/15	A15-09-001	\$Phone	10/31/2015 Phone Bill	\$8.04
11/30/15	A15-09-001	\$Phone	11/30/2015 Phone Bill	\$5.96
12/31/15	A15-09-001	\$Phone	12/31/2015 Phone Bill	\$2.51
1/31/16	A15-09-001	\$Phone	1/31/2016 Phone Bill	\$8.16
2/29/16	A15-09-001	\$Phone	2/29/2016 Phone Bill	\$12.15
3/31/16	A15-09-001	\$Phone	3/31/2016 Phone Bill	\$13.13
4/30/16	A15-09-001	\$Phone	4/30/2016 Phone Bill	\$31.36
5/31/16	A15-09-001	\$Phone	5/31/2016 Phone Bill	\$6.74
6/30/16	A15-09-001	\$Phone	6/30/2016 Phone Bill	\$21.22
7/31/16	A15-09-001	\$Phone	7/31/2016 Phone Bill	\$2.59
8/31/16	A15-09-001	\$Phone	8/31/2016 Phone Bill	\$0.94
9/30/16	A15-09-001	\$Phone	9/30/2016 Phone Bill	\$0.57
		\$Phone Total		\$116.17
10/5/15	A15-09-001	\$Postage	Postage to mail Protest to Application of TURN to the ALJ	\$1.15
10/23/15	A15-09-001	\$Postage	Postage to mail prehearing conference statement of TURN to the ALJ	\$1.20
11/30/15	A15-09-001	\$Postage	Postage to send Notice intent to claim intervenor compensation to ALJ	\$1.15
1/6/16	A15-09-001	\$Postage	Postage To Mail Amendment To The Notice Of Intent Claim Intervenor Compensation Of TURN To The ALJ	\$1.42
7/18/16	A15-09-001	\$Postage	Postage to mail Notice Of The Utility Reform Network Of Ex Parte	\$1.15
8/18/16	A15-09-001	\$Postage	Postage to mail Opening Comments of TURN and Collaborative Approaches to Utility Safety Enforcement on the ""Contested Issues"" Identified in the	\$1.36
8/25/16	A15-09-001	\$Postage	Postage to mail Reply Comments of TURN on the ""Contested Issues"" Identified in the Proposed Settlement to the ALJ	\$1.36
1/23/17	A15-09-001	\$Postage	Postage to mail Late-Filed Ex Parte to the ALJ	\$0.98
3/20/17	A15-09-001	\$Postage	Postage to send Opening Comments of TURN on PD of ALJ Roscow Concerning Issues Other than the Standard for Evaluating Settlements to the	\$1.15
3/27/17	A15-09-001	\$Postage	Postage to mail Reply Comments of TURN on the PD of ALJ Roscow to the	\$1.15
3/28/17	A15-09-001	\$Postage	Postage to mail Ex Parte to the ALJ	\$0.98
		\$Postage Total		\$13.05
		Grand Total		\$301.39

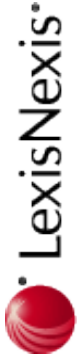


ACCOUNT NUMBER
112Z08

CLIENT
A15-09-001
A1603004
COMPETITION OII
LEG ANALYSIS
SEMPRA TCAP PH 2 A1507014
ACCOUNT TOTAL:

CONTRACT USE			TRANSACTIONAL USE		
GROSS AMOUNT	ADJUSTMENT	NET AMOUNT	OVER THE CAP	OUTSIDE CONTRACT	
\$ 212.00	(\$ 117.97)	\$ 94.03	-	-	
\$ 104.00	(\$ 57.87)	\$ 46.13	-	-	
\$ 128.00	(\$ 71.22)	\$ 56.78	-	-	
\$ 76.50	(\$ 42.57)	\$ 33.93	-	-	
\$ 104.00	(\$ 57.87)	\$ 46.13	-	-	
\$ 624.50	(\$ 347.50)	\$ 277.00	\$ 0.00	\$ 0.00	
					TOTAL BEFORE TAX
					TAX
					TOTAL CHARGES
					\$ 94.03
					\$ 46.13
					\$ 56.78
					\$ 33.93
					\$ 46.13
					\$ 277.00

2-3



INVOICE NO:	INVOICE DATE
1608043563	31-AUG-16

BILLING PERIOD 01-AUG-16 - 31-AUG-16

ACCOUNT NUMBER
112Z08

INVOICE TO:
UTILITY REFORM NETWORK
SAN FRANCISCO CA 94102

ITEMIZATION OF LEXISNEXIS & RELATED CHARGES
ACCOUNT SUMMARY BY CLIENT

CLIENT
A.15-09-001
L1511007
R1206013
ACCOUNT TOTAL:

CONTRACT USE		TRANSACTIONAL USE			TOTAL CHARGES	
GROSS AMOUNT	ADJUSTMENT	NET AMOUNT	OVER THE CAP	OUTSIDE CONTRACT	TOTAL BEFORE TAX	TAX
\$ 104.00	(\$ 81.01)	\$ 22.99	-	-	\$ 22.99	\$ 22.99
\$ 602.00	(\$ 468.90)	\$ 133.10	-	-	\$ 133.10	\$ 133.10
\$ 547.00	(\$ 426.09)	\$ 120.91	-	-	\$ 120.91	\$ 120.91
\$ 1,253.00	(\$ 976.00)	\$ 277.00	\$ 0.00	\$ 0.00	\$ 277.00	\$ 0.00



515 S. Flower St., 47th Floor
Los Angeles, Ca 90071-2201

Return Service Requested

Account Details

Account No	137910
Invoice No	77845554-0
Statement Date	04/30/16

TURN - THE UTILITY REFORM NETWORK
268 BUSH ST # 3933
SAN FRANCISCO CA 94104-3503

Account Code Summary

Account Code	Calls	Minutes	Amount
00000000	232	1,507.1	\$75.92
00000002	2	62.3	\$2.44
00000004	26	358.3	\$14.41
00000011	6	100.9	\$3.19
00000013	7	64.8	\$2.57
00000014	7	112.3	\$4.42
00000018	1	65.3	\$2.55
00000019	45	251.4	\$10.08
00000041	41	799.4	\$31.36
00000051	2	222.0	\$8.67
00000056	1	0.3	\$0.02
00000060	1	6.1	\$0.24
00000067	1	0.4	\$0.02
00000099	41	150.2	\$6.00
Total	413	3,700.8	\$163.63

Handwritten notes:
R.13-11-007
R.15-03-010
A.15-09-010
A.15-09-001
R.15-03-011
A.13-12-013
R.13-12-011



515 S. Flower St., 47th Floor
Los Angeles, Ca 90071-2201

Return Service Requested

Account Details

Account No	137910
Invoice No	79838499-0
Statement Date	06/30/16

TURN - THE UTILITY REFORM NETWORK
268 BUSH STREET # 3933
SAN FRANCISCO CA 94104-3503

Account Code Summary

Account Code	Calls	Minutes	Amount
00000000	242	1,671.7	\$86.75 R.13-11-007
00000004	24	427.3	\$16.86
00000011	10	157.6	\$5.21 A.13-12-012
00000013	10	188.6	\$7.25
00000014	15	168.0	\$6.02 A.15-09-001
00000019	63	562.9	\$22.26 A.15-02-009
00000031	1	10.5	\$0.41
00000041	27	540.6	\$21.22
00000046	1	10.4	\$0.41
00000051	7	273.9	\$10.54 R.15-03-011
00000056	1	29.1	\$1.14 A.13-12-012
00000060	6	55.5	\$2.20
00000064	6	180.1	\$7.05 R.13-11-005
00000098	1	0.7	\$0.03
00000099	21	204.9	\$8.00 R.14-10-003
Total	435	4,481.8	\$197.44

Attachment 4

TURN Hours Allocated by Issue

A-15-09-001
ATTORNEYS AND CONSULTANTS

SUMMARY OF TURN STAFF AND CONSULTANTS

15-09-01 ATTORNEYS AND CONSULTANTS																										Total Substantive Hours	Total Compensation (non-comp)	Total Compensation Hours			
	Billing Period	Hourly Rate	Comp	#	A&G	Afford	AL	Coord	CustSvc	DefWk	Dep	ElecDist	GasDist	Gen	GP	HR	JCE	Non-Sett	PD	PTYR	RBO	Risk/Plan	Sett	ShdSvc	WS/EH						
Robert Finkelstein	2015	\$505										0.25			2.75					0.75				1.25			5.00	\$2,525.00			
	2016	\$510		7.5	28.75	0.5	1			0.75	43	1.5	0.25	2.25	2.25	7	6.5	25.5		0.75	47.75		40.75	41.25	8.5	265.75	\$135,532.50	17.5			
	2017	\$520		1.5															16							17.50					
Cynthia Yap	2015	\$280																		99.25			18.5	6.5		99.25	\$27,790.00				
	2015	\$280																		120.5						145.50	\$40,740.00				
Hayley Goodson	2015	\$355	1	2	0.25	0.75		4	20.25			15.75	1.75	0.5	23.75	2				3				0.5		75.50	\$26,802.50				
	2016	\$380	0.5	43.25	4.25	4.5		4	57.5		0.75	21.5	5.75	2	7	8.75	9.25	3.75		12.5	8.5	0.75	185	1.5	13.25	394.25	\$149,815.00				
	2017	\$405	22				0.25								0.5				35.75							58.50	\$23,692.50				
Nina Suetake	2015	\$350		7.25	15			1.25	0.25			18.75	1.5	1.75	2.25	3.75	6.25					11.75				69.75	\$24,412.50				
Matthew Freedman	2015	\$410		2				5						3.25	0.5								6.25			10.75	\$4,407.50				
	2016	\$415					2							14												22.25	\$9,233.75				
Marcel Hawiger	2015	\$410				4.5			6.75			16			6.25											33.50	\$13,735.00				
	2016	\$415		8.25		14			9			59	5		1.75		3.75	7.5					26	0.75	1.25	136.25	\$56,543.75				
	2017	\$425	1.5															0.5	2							4.00	\$1,700.00				
Jeff Nahigian	2015	\$215							47.25														6	17.75		71.00	\$15,265.00				
	2016	\$215		2					241.75								8									411.00	\$88,365.00				
James Garren	2016	\$145									172															172.00	\$24,940.00				
Thomas Long	2015	\$570			1	0.25		0.5				0.5	49.25	0.25	30.75	0.5				1.25		2		0.25		86.50	\$49,305.00				
	2016	\$570		7.25	1.25	3		1.25		16.75			154.75		0.25		7.25			0.25	3.5	44.75	79.75		6.25	326.25	\$185,962.50				
	2017	\$585																	8.25							8.25	\$4,826.25				
Thomas Carter	2016	\$225										10														10.00	\$2,250.00				
Michael Majoros	2016	\$220									51															51.00	\$11,220.00				
William Marcus (JBS)	2015	\$280		0.33	2.58								5.92								1					9.83	\$2,752.40				
	2016	\$280		20	21.75							1.6	43.17			19.25	6.33					23.17	6.49			141.76	\$39,692.80				
	2017	\$280					0.75												0.58							1.33	\$372.40				
Roger Colten	2015	\$250				23																				23.00	\$5,750.00				
	2016	\$250				116																				116.00	\$29,000.00				
Eric Borden	2015	\$180										23.5			5											28.50	\$5,130.00				
	2016	\$190								2		197	3.25				1.25									203.50	\$38,665.00				
Elise Torres	2015	\$215													6.25	7.25							6.5		1	13.50	\$2,902.50				
	2016	\$230		2.5	5.25											37	3.25									55.50	\$12,765.00				
	2017	\$245																		1.5						1.50	\$367.50				
Dennis Stephens	2016	\$225										71														71.00	\$15,975.00				
Garrick Jones (JBS)	2015	\$180										191.75		3.25								3.5	11.97			210.47	\$37,884.60				
	2016	\$190								0.61		368.15				8.36	7.15					35.88		13.01		433.16	\$82,300.40				
Greg Ruzsovan (JBS)	2015	\$215										1.42														1.42	\$305.30				
	2016	\$215		21.45																						21.45	\$4,611.75				
John Sugar (JBS)	2015	\$220			4.15							230.39		0.33	47.26									1.24		283.37	\$62,341.40				
	2016	\$220										484.69	1.16			47.02	19.16						12.98			565.01	\$124,302.20				
Paul Alvarez	2016	\$275										160.75														160.75	\$44,206.25				
TOTAL			25.00	125.28	84.23	166.50	2.00	16.75	383.75	20.36	266.75	1158.42	936.58	74.25	92.83	188.14	78.14	37.25	64.08	238.25	83.92	86.88	411.94	236.75	36.75	0.00	0.00	0.00	4789.80	\$1,408,388.25	17.5
TOTAL % HOURS ALLOCATED				2.62%	1.76%	3.48%	0.04%	0.35%	8.01%	0.43%	5.57%	24.19%	19.55%	1.55%	1.94%	3.93%	1.63%	0.78%	1.34%	4.97%	1.75%	0.01%	8.60%	4.94%	0.77%	0.00%	0.00%	98.19%			