



BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

FILED

7-10-17
08:00 AM

Application of Pacific Gas and Electric Company)
For Authority, Among Other Things, to Increase) Application 15-09-001
Rates and Charges for Electric and Gas Service) (Filed September 1, 2015)
Effective January 1, 2017 (U 39 M))

)

CERTIFICATE OF SERVICE BY ELECTRONIC MAIL OR U.S. MAIL

I, the undersigned, state that I am a citizen of the United States and over the age of eighteen (18) years and, further, that I am not a party to this proceeding except in my capacity as a representative of the Alliance for Nuclear Responsibility. My business address is set forth below. On July 10, 2017, I served a true copy of:

**NOTICE OF AVAILABILITY OF
INTERVENOR COMPENSATION CLAIM OF THE ALLIANCE FOR NUCLEAR RESPONSIBILITY
AND DECISION ON INTERVENOR COMPENSATION CLAIM OF
THE ALLIANCE FOR NUCLEAR RESPONSIBILITY**

on the official service list for the above-captioned proceeding, docketed as Application 15-09-001, by electronic mail for those who have provided an email address and by first class mail for those who have not. Additionally, true copies were sent by first class mail on July 10, 2017, to Assigned Commissioner Michael Picker and Administrative Law Judge Stephen C. Roscow, California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, California 94102.

By affixing my signature below, I certify and declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

/s/ Alvin S. Pak

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Dated and executed July 10, 2017
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CALIFORNIA PUBLIC UTILITIES COMMISSION

Service Lists

PROCEEDING: A1509001 - PG&E - FOR AUTHORITY

FILER: PACIFIC GAS AND ELECTRIC COMPANY

LIST NAME: LIST

LAST CHANGED: JUNE 27, 2017

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1516 9TH STREET, MS-20
SACRAMENTO, CA 95814



BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

FILED

7-10-17
08:00 AM

Application of Pacific Gas and Electric Company)
For Authority, Among Other Things, to Increase) Application 15-09-001
Rates and Charges for Electric and Gas Service) (Filed September 1, 2015)
Effective January 1, 2017 (U 39 M))

)

**NOTICE OF AVAILABILITY OF
INTERVENOR COMPENSATION CLAIM OF THE ALLIANCE FOR NUCLEAR RESPONSIBILITY
AND DECISION ON INTERVENOR COMPENSATION CLAIM OF
THE ALLIANCE FOR NUCLEAR RESPONSIBILITY**

The Alliance for Nuclear Responsibility ("A4NR") hereby provides notice of the availability of the

**INTERVENOR COMPENSATION CLAIM OF
THE ALLIANCE FOR NUCLEAR RESPONSIBILITY
AND DECISION ON INTERVENOR COMPENSATION CLAIM OF
THE ALLIANCE FOR NUCLEAR RESPONSIBILITY**

("A4NR *Intervenor Compensation Claim*"), which was electronically filed with the Commission's Docket Office in the above-captioned docket today, July 10, 2017.

By this filing, A4NR seeks intervenor compensation in the amount of \$613,569.32 for the substantial contributions it made in the disposition of this matter, as reflected in Decision 17-05-013.

Pursuant to Rule 1.9(d) of the Commission's Rules of Practice and Procedure, A4NR is issuing this Notice of Availability because the *A4NR Intervenor Compensation Claim* and its supporting materials comprise over fifty (50) pages and consist of over 3.5 megabytes of data.

This Notice of Availability is being served on all parties listed on the official service list for Application 15-09-001, which is attached to the certificate of service for this notice. By this notice, parties are hereby apprised that the *A4NR Intervenor Compensation Claim*, along with all supporting materials, are available on A4NR's website as follows:

- 1) Enter the web address: <http://a4nr.org/?p=4028>
- 2) Follow the red links to the specific documents comprising the filing. Click on any link to open the document. Documents may be downloaded and saved from this website.

Upon request, A4NR will provide a compact disc containing the *A4NR Intervenor Compensation Claim* and all supporting material, or a paper copy of said materials if preferred by the requesting party. Requests should be submitted in writing by e-mail to:

David Weisman
E-Mail: David@a4NR.org

Requests may also be submitted to Mr. Weisman, at The Alliance for Nuclear Responsibility, Post Office Box 1328, San Luis Obispo, California 93406.

Respectfully submitted,

/s/ Alvin S. Pak

Alvin S. Pak
Law Offices of Alvin S. Pak
827 Jensen Court
Encinitas, California 92024
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Attorney for the Alliance for Nuclear Responsibility

Encinitas, California
July 10, 2017



Alliance for Nuclear Responsibility

Application No. 15-09-001 Request for Intervenor Compensation in Pacific Gas & Electric Co. Test Year 2017 Ge

Attachment 3. Time Sheet Records with Allocation of Hours by Issue and Contribution to Decision 17-u-013

FILED

Time Sheet Records for Alvin S. Pak, Lead Counsel for A4NR

7-10-17

Date	Task	Hours by Issue						08:00 AM		
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
9/15/2015	Litigation Team Meeting: Al Pak, Gwenn O'Hara, Meghan Cox, and Ann Springgate re PG&E application, specification of A4NR issues, and discussion of case strategy	0.1	0.1	0.1	0.2	0.1	0.1			0.3
9/16/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox -- Discuss PG&E testimony relevant to A4NR, outline A4NR positions, case strategy and CPUC procedures	0.2	0.3	0.3	0.2	0.2	0.3			0.8
9/22/2015	Review PG&E testimony (PG&E-2, PG&E-5, PG&E-10) and workpapers (PG&E-5) relevant to Diablo Canyon revenue requirement	0.3	2.0	1.0	1.5	0.2	1.0			
9/23/2015	Complete Review PG&E testimony (PG&E-2, PG&E-5, PG&E-10) and workpapers (PG&E-5) relevant to Diablo Canyon revenue requirement		2.0	0.5	1.0		0.5			
9/23/2015	Draft outline of PG&E testimony relevant to A4NR-1 and A4NR-2, and substance of A4NR testimony	0.5	1.0	0.5	1.0					
9/24/2015	Complete Draft outline of PG&E testimony relevant to Issues A4NR-2 through A4NR-7 and substance of A4NR issues		0.5	0.5	1.0	0.5	1.0			
9/25/2015	Correspondence with A4NR re Draft outline of A4NR issues									0.5
9/26/2015	Review PG&E workpapers (PG&E-5) relevant to Diablo Canyon revenue requirement		0.5		0.5					
9/26/2015	Provide Review of PG&E testimony and workpapers to A4NR Staff with explanatory cover letter									0.2
9/28/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox -- Discuss PG&E GRC workshop issues and participation	0.3	0.3	0.3	0.3					2.8
9/29/2015	Attend PG&E GRC Workshop									4.5
9/30/2015	Revise case outline to add issues re A4NR-5 and A4NR-6					1.0	1.5			
9/30/2015	Draft Data Request A4NR-1 re DCNPP revenue requirement		1.0	0.3	1.0					
9/30/2015	Review and edit MC Draft of A4NR Motion to Intervene									0.5
10/1/2015	Draft Data Request A4NR-1 re DCNPP revenue requirement		1.0	1.0	0.4					
10/2/2015	Draft Data Request A4NR-1 re risk and safety	0.2	2.0	0.2		0.2	0.6			
10/4/2015	Draft Data Request A4NR-1 re ISFSI and other issues	1.0		1.5		1.0	3.0			
10/5/2015	Prepare final Draft of A4NR Motion to Intervene									1.0
10/5/2015	Complete Data Request A4NR-1 for service upon PG&E	0.7	1.5	1.5	1.0	1.0	1.2			
10/7/2015	Draft Data Request A4NR-2 re PG&E risk assessments	0.3	3.0	1.5		0.2	0.5			
10/8/2015	Revise Data Request A4NR-1 to reflect team comments, additions and deletions		0.2	0.3		0.2	0.4			
10/9/2015	Prepare and serve final Draft of Data Request A4NR-1	0.4	0.5	0.8	0.4	0.8	0.4			
10/14/2015	Prepare and serve final Draft of Data Request A4NR-2		2.0	0.3						
10/16/2015	Review PG&E responses to A4NR-1	0.2		1.2	0.4		0.5			
10/23/2015	Email communication with Rochelle Becker and David Lochbaum re discovery and A4NR case-in-chief		0.4	0.4			0.4			
10/24/2015	Review PG&E responses to A4NR-1 and A4NR-2	0.4	0.6	0.6						
10/25/2015	Telephone conference with Rochelle Becker re A4NR case-in-chief and recommendations	0.3				0.3				0.1
10/29/2015	Meeting with TURN to coordinate participation and address potential duplication of effort in rate case	0.2	0.5	0.7	0.5	0.5	0.4			
10/29/2015	Attend A.15-09-001 Prehearing Conference									2.5
10/30/2015	Teleconference with Friends of the Earth to coordinate participation and address potential duplication of effort in rate case -- post-conference internal Meeting		0.2		0.2	0.2	0.2	0.2		
10/30/2015	Teleconference with A4NR team to discuss Friends of the Earth discussion									0.3
11/1/2015	Draft Data Request A4NR-3			1.2	0.9	0.3				
11/2/2015	Teleconference with PG&E re discovery/scope issues			0.5	0.5					

11/3/2015	Review PG&E responses to Data Request Sets 1 and 2	0.2	1.0	1.5	0.5	0.5	2.0	
11/4/2015	Revise A4NR testimony and issues outline	0.5	0.5	0.5	0.5	0.5	0.5	
11/5/2015	Review Exhibit PG&E-10 and workpapers		3.4		3.3			
11/6/2015	Draft Data Request A4NR-3		4.0	0.3	3.0			
11/8/2015	Review Draft NOI for Intervenor Compensation							0.2
11/8/2015	Review revisions to Data Request A4NR-3		0.4	0.2	0.2			
11/12/2015	Finalize and serve Data Request A4NR-3		1.0	1.0	0.5			
11/18/2015	Prepare outline for Meetings with ORA and TURN	0.2	0.2	0.2	0.2	0.2	0.2	
11/19/2015	Coordination Meeting with TURN (Freedman/Toney)	0.2	0.3	0.3	0.2	0.1	0.1	
11/20/2015	Coordination Meeting with ORA (Tudisco/Tang)	0.2	0.3	0.3	0.2	0.2	0.2	
11/21/2015	Prepare and circulate summary of ORA/TURN Meetings, include in next steps log	0.3	0.3	0.3	0.3	0.3	0.3	
12/9/2015	Review and edit MC Draft of Data Request A4NR-4		0.5					
12/12/2015	Prepare case calendar and Gantt chart							1.1
12/20/2015	Review PG&E responses to Data Request A4NR-3		1.5	1.0	0.5			
12/23/2015	Prepare trial preparation deadlines document for witnesses							0.6
1/2/2016	Prepare A4NR case-in-chief: outline direct testimony and citations to PG&E testimony (distinguish cross-examination topics)	1.0	1.5	0.7	0.7	0.5	0.5	
1/3/2016	Prepare A4NR case-in-chief: outline direct testimony and citations to PG&E testimony (distinguish cross-examination topics)	0.5	1.5	0.5	0.5	0.5	0.5	
1/4/2016	Prepare trial preparation document comparing PG&E testimony, evidence of record and cross-examination topics	1.2	1.8	1.0	1.0	0.5	0.5	
1/5/2016	Prepare A4NR case-in-chief: outline direct testimony and citations to PG&E testimony (distinguish cross-examination topics) and incorporate into trial preparation document	1.2	1.8	1.0	1.0	0.5	0.5	
1/7/2016	Meeting with legal team to Review outline of A4NR testimony and evidentiary record under preponderance test and admissibility requirements	1.2	1.8	1.0	1.0	0.5	0.5	
1/8/2016	Review evidentiary record and A4NR testimony with A4NR team (agreement on A4NR recommendations)	1.0	1.7	0.9	0.9	0.5	0.5	
1/19/2016	Review PG&E responses to A4NR Data Requests A4NR-1 through A4NR-4 and identify follow-up questions	0.2	0.2	0.5	0.5		0.6	
1/19/2016	Draft Data Request A4NR-5			0.7			0.5	
1/21/2016	Finalize and serve Data Request A4NR-5		4.0	0.8			0.7	
2/3/2016	Review PG&E responses to Data Request A4NR-5		0.4	0.3			0.3	
2/17/2016	Draft A4NR testimony re Tier 1 advice letter	2.0						
2/18/2016	Draft A4NR testimony re PG&E risk analysis and performance-based ratemaking		7.5					
2/19/2016	Draft A4NR testimony re PG&E risk analysis and performance-based ratemaking		3.0					
2/19/2016	Draft A4NR testimony re Unit 2 stator project			5.0				
2/20/2016	Draft A4NR testimony re Unit 2 stator project			4.0				
2/22/2016	Revise Draft of A4NR testimony	1.5	3.0	1.5				
2/23/2016	Revise Draft of A4NR testimony to incorporate citations to PG&E testimony and data responses	1.0	1.0	2.0				
2/25/2016	Interview Rick Wolfe as engineering consultant			1.5				
3/2/2016	Team Meeting to Review Drafts of A4NR testimony (interview Rick Wolfe re stator project testimony)	0.5	1.0	2.5	0.5		1.0	
3/3/2016	Prepare final Draft of Becker testimony		4.5					
3/7/2016	Review and edit Geesman testimony, Becker testimony, and A4NR workpapers	0.5	4.5		3.8			
3/8/2016	Review and edit Geesman testimony, Becker testimony, and A4NR workpapers	0.5		1.5				
3/12/2016	Review and edit Geesman testimony, Becker testimony, and A4NR workpapers		2.0	1.5	3.5	0.5	1.5	
3/13/2016	Review and edit Geesman testimony, Becker testimony, and A4NR workpapers		0.5	0.5		1.5	4.5	
3/14/2016	Review and edit Geesman testimony, Becker testimony, and A4NR workpapers (Correspondence with client and witnesses)		0.5	0.5	0.5	0.5	2.0	
3/16/2016	Review and edit Exhibits A4NR-1 and A4NR-3		2.5	3.3	1.2			

3/18/2016	Review and edit Exhibits A4NR-1 and A4NR-3	0.2	0.5	2.0	2.0	0.3	5.0
3/19/2016	Review and edit Exhibits A4NR-1 and A4NR-3		1.5	3.0	0.5	0.5	3.0
3/21/2016	Review and edit Exhibits A4NR-1 and A4NR-3			0.5	0.5	1.5	2.0
3/23/2016	Prepare information and materials for coordination Meeting with ORA/SED/TURN	0.2	0.3	0.3	0.3	0.2	0.2
3/24/2016	Meetings with PG&E, TURN, SED, and ORA to preview A4NR Draft testimony	1.0	1.0	1.0	0.3	0.2	0.5
3/25/2016	CPUC SED Workshop on Risk Assessments		1.5				
3/26/2016	Draft internal Correspondence re testimony and updated tax expense estimates		0.5				1.5
3/29/2016	Draft Data Request A4NR-7		0.7	0.3			
3/29/2016	Revise Draft testimony re annual depreciation expense to reflect PG&E Meeting notes				2.0		
4/6/2016	Prepare witness workpapers exhibit					2.0	
4/8/2016	Review ORA testimony						2.5
4/10/2016	Prepare witness workpapers exhibit			2.0	1.3		
4/11/2016	Prepare witness workpapers exhibit		3.0	1.5			
4/11/2016	Teleconference with Rick Wolfe re stator project			1.5			
4/12/2016	Witness preparation Meeting (Review of testimony and mock cross-examination sessions)	1.0	0.5	1.0	0.5		0.5
4/13/2016	Review NRC documents re Wet to Dry Storage transfers; send summary to witnesses					4.0	
4/14/2016	Draft PowerPoint re Schedule DC mechanics		2.0				
4/15/2016	Complete Becker testimony/workpapers Review	4.5					
4/18/2016	Teleconference with Rick Wolfe re workpapers (load-following)		1.2				
4/20/2016	Draft A4NR Joint Comparison Exhibit entries	0.4	0.5	0.4	0.4	0.4	0.4
4/21/2016	Revise A4NR Joint Comparison Exhibit entries	0.2	0.2	0.2	0.2	0.2	0.2
4/22/2016	Finalize A4NR direct testimony and workpapers	0.4	0.4	0.5	0.4	0.4	0.4
4/26/2016	Meeting to finalize direct testimony, workpapers and Joint Comparison Exhibit	0.5	0.2	0.4	0.2	0.3	0.4
4/27/2016	Final Review of service copy of A4NR case-in-chief	0.2	0.2	0.2	0.2	0.1	0.2
4/29/2016	Service of A4NR case-in-chief						0.2
5/3/2016	Review PG&E response to Data Request A4NR-8			0.5			
5/16/2016	Review ORA and other 3d Party testimony						3.0
5/17/2016	Prepare Status Update for Team and Witnesses						1.5
5/28/2016	Review and prepare summary of rebuttal testimony on A4NR recommendations	0.3	1.2	1.2	0.6	0.2	1.5
6/1/2016	Prepare Cross-Examination outline	0.2	0.5	1.0	0.3		1.5
6/1/2016	Discuss settlement with TURN counsel (Freedman)						0.5
6/2/2016	Meeting with PG&E re hearings v. settlement						2.0
6/3/2016	Meeting with A4NR litigation team						4.0
6/3/2016	Prepare and send objection to PG&E request for postponement of hearings						0.5
6/5/2016	Draft Motion to Exclude PG&E testimony		1.6	1.6	1.6		1.7
6/6/2016	Draft/send note to ORA/TURN re settlement position				1.0		
6/7/2016	Teleconference with ORA/TURN/PG&E re settlement						1.0
6/7/2016	Draft and circulate A4NR Settlement Position	0.5	0.4	0.4	0.4	0.4	0.4
6/8/2016	Finalize and file Motion to Exclude PG&E testimony		0.9	0.9	0.9		0.8
6/8/2016	Correspondence to PG&E re A4NR Settlement Position	0.3	0.4	0.5	0.4	0.2	0.4
6/13/2016	Team Meeting re settlement discussions	0.4	0.2	0.2	0.2	0.5	0.5
6/14/2016	Settlement Meetings with PG&E, TURN and ORA	2.0	0.5	1.0	0.5	0.5	1.5
6/15/2016	Draft A4NR Settlement Counteroffer	0.5	0.3	0.5	0.2	0.5	0.5
6/15/2016	All-Party Settlement Conference Call						0.5
6/16/2016	Settlement Meetings with PG&E, TURN and ORA	2.0	0.5	1.0	0.5	0.5	1.5
6/17/2016	Draft settlement documents for PG&E Review	1.0	0.5	1.0	0.5	0.7	0.8
6/17/2016	Teleconference with PG&E re settlement documents	0.2	0.1	0.2	0.1	0.1	0.2
6/18/2016	Revise settlement documents	0.5	0.0	1.0	0.0	1.0	1.0
6/18/2016	Teleconference with PG&E re settlement						0.2
6/19/2016	Revise settlement documents	0.5		0.5			0.5
6/20/2016	Final Review of settlement documents	0.1		0.2			0.2

6/20/2016	Review Joint Motion to suspend procedural schedule						0.5
6/20/2016	Draft A4NR comments on Joint Motion to suspend procedural schedule						0.3
6/21/2016	Finalize and serve A4NR Reply to Joint Motion to suspend procedural schedule						0.3
6/21/2016	Teleconference with CAUSE (Rafferty) re settlement						0.7
6/27/2016	Review State Lands Commission materials; compare to settlement mutual defense obligations						1.2
6/27/2016	Teleconference with PG&E counsel (Manheim) re mutual defense obligation						0.2
6/28/2016	All-Party Settlement Conference Call						0.7
6/28/2016	Memo to A4NR re settlement conference call and schedule for settlement discussions						0.3
7/1/2016	Review Draft multi-party Settlement Term Sheets						0.5
7/1/2016	Settlement Conference Call with GRC parties						0.9
7/1/2016	Correspondence with A4NR team re settlement discussions						0.4
7/7/2016	Review rate case updates and Correspondence with PG&E re evidence inventory						0.8
7/8/2016	GRC Settlement Conference Call with GRC Parties re settlement						1.1
7/8/2016	Correspondence to A4NR team re summary of GRC Settlement Conference Call						1.0
7/12/2016	GRC Settlement Conference Call with GRC Parties re settlement						0.9
7/12/2016	Correspondence to A4NR team re summary of GRC Settlement Conference Call						0.7
7/15/2016	Review and prepare edits to PG&E revised Draft of Settlement Agreement						0.7
7/15/2016	GRC Settlement Conference Call with GRC Parties re settlement						1.3
7/15/2016	Correspondence to A4NR team re summary of GRC Settlement Conference Call						0.6
7/19/2016	GRC Settlement Conference Call with GRC Parties re settlement						1.1
7/19/2016	Correspondence to A4NR team re summary of GRC Settlement Conference Call						0.4
7/21/2016	GRC Settlement Conference Call with GRC Parties re settlement						1.2
7/21/2016	Correspondence to A4NR team re summary of GRC Settlement Conference Call						0.5
7/25/2016	Review PG&E revised Draft of Settlement Agreement						1.5
7/26/2016	GRC Settlement Conference Call with GRC Parties re settlement						1.3
7/26/2016	Correspondence to A4NR team re summary of GRC Settlement Conference Call						0.5
7/30/2016	Review and revise PG&E Drafts of Settlement Agreement and Motion for Settlement for circulation to settling parties						1.5
8/1/2016	Review PG&E settlement documents: 3 motions, settlement agreement, exhibits list						0.5
8/1/2016	Settlement conference call with all parties						1.1
8/3/2016	Attend all-party Settlement Conference						1.2
8/8/2016	Draft Opening Comments on Settlement	0.7	0.6	0.7	0.6	0.7	0.7
8/10/2016	Draft Opening Comments on Settlement	0.6	0.5	0.6	0.6	0.6	0.6
8/15/2016	Complete first Draft of Opening Comments on Settlement and circulate to A4NR GRC Litigation Team	0.6	0.5	0.6	0.6	0.6	0.6
8/16/2016	Revise Opening Comments to reflect team revisions and suggestions	0.3		0.3		0.3	0.3
8/16/2016	Legal research and cite-checking (incorporate into revised Draft for circulation to A4NR team)	0.7	0.6	0.8	0.7	0.7	0.8
8/22/2016	Review and consult with A4NR team re Opening Comments on settlement	0.3		0.4		0.2	0.4
8/24/2016	Review PG&E data responses and ex parte materials re settlement and executive compensation						0.5

8/26/2016	Review Reply Comments and ALJ Rulings re workshop agenda and evidentiary hearings	0.5
8/26/2016	Conference call with A4NR team re workshop, evidentiary hearings and GRC schedule	0.8
8/26/2016	Calls with PG&E counsel (Steve Frank) re workshop and evidentiary hearings	0.1
8/29/2016	Workshop preparation Meeting with Rick Wolfe	1.0
8/30/2016	Attend Settlement Workshop	4.5
1/11/2017	Attend CPUC workshop re rate case cycles (third attrition year policy discussions)	2.5
2/28/2017	Review Proposed Decision for potential comments	1.2
2/28/2017	Legal research re CPUC settlement standards	1.0
3/2/2017	Provide summary of potential comments and legal research results to A4NR team	1.5
3/3/2017	Confer with A4NR team re PG&E conference call and filing of joint comments	0.4
3/7/2017	Teleconference with Settling Parties re joint comments on Proposed Decision	0.4
3/14/2017	Review PG&E Draft of Settling Parties' joint comments on Proposed Decision	1.0
3/14/2017	Correspondence with A4NR team re joinder with Settling Parties' Joint Comments on Proposed Decision	0.5
3/14/2017	Draft A4NR Opening Comments on Proposed Decision	3.0
3/15/2017	Call with Steve Frank (PG&E) re A4NR Draft of Opening Comments on Proposed Decision	0.7
3/17/2017	Complete Draft of A4NR Opening Comments on Proposed Decision and send to team for Review	1.5
3/20/2017	Prepare, file and serve final Draft of A4NR Opening Comments on Proposed Decision	3.2
3/20/2017	Review Opening Comments on Proposed Decision	2.3
3/21/2017	Call with Scott Rafferty (CAUSE) to coordinate reply comments and ex parte Meetings	0.4
3/27/2017	Prepare, file and serve final Draft of A4NR Reply Comments on Proposed Decision	2.4
3/30/2017	Review Joint Utilities Petition email Draft from PG&E re cost of capital impacts on attrition allowances	1.0
3/30/2017	Correspondence with A4NR team re Joint Utilities Petition re cost of capital impacts on attrition allowances	1.0
4/3/2017	Review Alternate Decision of Assigned Commissioner Picker	0.3
4/6/2017	Confer with A4NR team re waiving comments on Alternate Decision of Assigned Commissioner Picker	0.1
5/11/2017	Review final decision (D.17-05-013)	0.3
5/23/2017	Review and approve Notice to Accept (by PG&E)	0.3

Totals for Alvin S. Pak: 44.0 96.5 82.1 54.0 25.8 64.6 8.0 14.0 71.1

Time Sheet Records for Gwenn O'Hara, Attorney for A4NR										
Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
9/15/2015	Litigation Team Meeting: Al Pak, Gwenn O'Hara, and Meghan Cox re PG&E application, identification of issues relevant to A4NR position, and discussion of case strategy	0.1	0.1	0.1	0.2	0.1	0.1			0.3
9/16/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox - Discuss PG&E testimony relevant to A4NR, outline A4NR positions, case strategy and CPUC procedures	0.2	0.3	0.3	0.2	0.2	0.3			0.8
9/20/2015	Review PG&E testimony and workpapers relevant to risk analysis and Diablo Canyon							2.0		
9/28/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox -- Discuss PG&E GRC workshop issues and participation	0.3	0.3	0.3	0.3					2.8
9/29/2015	Attend portion of PG&E GRC Workshop									2.5
10/29/2015	Attend Prehearing Conference									2.5
10/30/2015	Teleconference with Friends of the Earth to coordinate participation and address potential duplication of effort in rate case	0.2		0.2	0.2	0.2	0.2			
11/2/2015	Teleconference with PG&E re discovery/scope issues			0.5	0.5					
12/11/2015	Conference re scheduling and next steps	0.2	0.2	0.2	0.2	0.2				
12/31/2015	Conference call re: next steps/strategy									1.0
1/2/2016	Review discovery responses	0.3	0.3	0.3	0.3	0.3	0.3			0.2
1/3/2016	Review evidentiary outline	0.2	0.2	0.4		0.2				
1/7/2016	Meeting with legal team to review outline of A4NR testimony and evidentiary record under preponderance test and admissibility requirements	1.2	1.8	1.0	1.0	0.5	0.5			
1/8/2016	Review evidentiary record and A4NR testimony with A4NR team (agreement on A4NR recommendations)	1.0	1.7	0.9	0.9	0.5	0.5			
3/1/2016	Review, revision and circulation of changes to testimony				0.3	0.4	0.3			
3/12/2016	Review and revision of Becker and Geesman testimony	1.0			1.0					
3/17/2016	Review and revision of Becker and Geesman testimony	0.5	0.5		1.0					
4/4/2016	Call re: testimony and review of same	0.2	0.2	0.2	0.2	0.2				
4/8/2016	Review of workpapers									2.0
4/11/2016	Review of ORA Testimony									1.0
4/12/2016	Witness preparation meeting (review of testimony and mock cross-examination sessions)	1.0	0.5	1.0	0.5		0.5			
Totals for Gwenn O'Hara:		6.4	6.1	5.4	6.8	2.8	4.7	0	0	13.1

Time Sheet Records for Ann Springgate, Attorney for A4NR										
Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
9/15/2015	Litigation Team Meeting: Al Pak, Gwenn O'Hara, and Meghan Cox re PG&E application, identification of issues relevant to A4NR position, and discussion of case strategy	0.1	0.1	0.1	0.2	0.1	0.1			0.3
9/16/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox - Discuss PG&E testimony relevant to A4NR, outline A4NR positions, case strategy and CPUC procedures	0.2	0.3	0.3	0.2	0.2	0.3			0.8
9/22/2015	Review PG&E testimony and workpapers relevant to Diablo Canyon and review and revision of motion to intervene	0.4	0.3	0.4	0.4	0.2	0.2			0.4
9/25/2015	Review PG&E rate case materials relevant to Issues A4NR-1 through A4NR-4	0.2	0.6	0.4	0.4	0.4	0.2			1.0
9/29/2015	Attend portion of PG&E GRC Workshop									2.5
10/5/2015	Review and revision of final draft of A4NR Motion to Intervene									3.0
10/6/2015	Revise and revise A4NR Motion to Intervene and associated documents									2.0
10/7/2015	Review filing requirements									1.0
10/8/2015	Review of materials provided in response to DR-1	0.3		1.2	0.4		0.5			
10/9/2015	Review of materials provided in response to DR-1	0.1		0.4	0.2		0.3			
10/14/2015	Review and revise Data Request A4NR-2		1.0	1.0						1.3
10/31/2015	Review responses to document requests	0.3	0.3	0.8						
11/4/2015	Review PG&E NDA									0.9
11/5/2015	Review Notice re: Claiming Intervenor Compensation									1.6
11/6/2015	Call re: notice of intent to file for intervenor compensation									0.5
11/10/2015	Review data request and responses received		0.5	0.5	0.5					
11/17/2015	Prepare for meeting with stakeholders	0.2	0.1	0.1	0.1	0.1	0.2			
11/18/2015	Review Strategy Document	0.2	0.1	0.1	0.1	0.1	0.2			
11/19/2015	Coordination meeting with TURN (Freedman/Toney)	0.2	0.3	0.3	0.2	0.1	0.1			0.3
11/20/2015	Coordination meeting with ORA (Tudisco/Tang)	0.2	0.3	0.3	0.2	0.2	0.2			0.1
11/24/2015	Review PG&E S-MAP and exhibit on risk analysis		3.6							
11/25/2015	Prepare comments on risk analysis data response		3.6							
12/3/2015	Review scoping memo; revise data request		2.9							
12/11/2015	Conference re scheduling and next steps	0.2	0.2	0.2	0.2	0.2				
12/15/2015	Review risk analysis materials		1.0							
12/16/2015	Review data requests	0.5	0.5	0.5	0.5	0.5				
12/16/2015	Prepare attorney work schedule for next steps									0.6
12/17/2015	Review data requests and outstanding items	0.1	0.1	0.1	0.1	0.1				
12/22/2015	Review/Conference re next steps; scheduling issues									1.2
12/23/2015	Review strategy document									0.5
12/28/2015	Review and edit master schedule of activities	0.5	0.5	0.5	0.5	0.5				
12/30/2015	Review strategy document and data responses									
12/31/2015	Review/Update master activities chart; conference re: case, next steps strategy	0.4	0.4	0.4	0.4	0.4				0.3
1/6/2016	Prepare planning materials	0.2	0.2	0.2	0.2	0.2				
1/7/2016	Meeting with legal team to review outline of A4NR testimony and evidentiary record under preponderance test and admissibility requirements	1.2	1.8	1.0	1.0	0.5	0.5			
2/12/2016	Strategy and timing review									0.3
2/18/2016	Strategy Conference	0.2	0.2		0.2		0.3			
2/23/2016	Conference re: strategy and scheduling issues	0.2	0.2	0.2	0.1					
2/26/2016	Research materials and prepare testimony re: ISFSI						4.5			
2/28/2016	Prepare draft testimony re: ISFSI						4.3			
3/2/2016	Team meeting to review drafts of A4NR testimony	0.5	1.0	1.0	0.5		1.0			
3/4/2016	Conference re: Strategy									0.5
3/8/2016	Review of materials in preparation for drafting testimony						0.5			
3/10/2016	Draft Testimony for Rochelle Becker	3.5								
3/11/2016	Draft Testimony for Rochelle Becker	0.5								
3/15/2016	Review A4NR draft testimony	1.5								

3/15/2016	Legal research re estoppel						1.1	
3/16/2016	Conference re: research on estoppel and perjury	1.0					0.7	
3/17/2016	Research and correspondence re: estoppel and perjury	2.0					1.0	
3/18/2016	Research and conference re: estoppel and perjury	1.5					0.7	
3/21/2016	Review risk analysis revisions; research estoppel	1.0				1.9		
3/22/2016	Research on estoppel	0.6						
3/23/2016	Review materials for schedule	0.2	0.2	0.2	0.2	0.2		
3/24/2016	Review ALJ ruling on exhibits	0.1	0.1	0.1	0.1	0.1		
3/25/2016	Conference re: testimony and exhibits and revised schedule	0.4	0.5	0.5	0.4	0.3	0.3	1.1
3/28/2016	Conference to review data requests		0.5	0.5		2.0		0.5
3/31/2016	Review testimony for annotations							1.4
4/1/2016	Review testimony and identify annotations							1.2
4/4/2016	Call re: testimony and review of same	0.2	0.2	0.2	0.2	0.2		
4/12/2016	Meeting to walk through testimony of Becker and Geesman	1.3	0.7	1.3	0.7	0.7		1.3
4/13/2016	Research on ISFSI and storage regulation					1.8		
Totals for Ann Springgate:		20.2	22.3	12.8	8.2	4.6	20.4	28.1

Time Sheet Records for Meghan Cox, Attorney for A4NR										
Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
9/15/2015	Litigation Team Meeting: Al Pak, Gwenn O'Hara, and Meghan Cox re PG&E application, identification of issues relevant to A4NR position, and discussion of case strategy	0.1	0.1	0.1	0.2	0.1	0.1			0.3
9/16/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox - Discuss PG&E testimony relevant to A4NR, outline A4NR positions, case strategy and CPUC procedures	0.2	0.3	0.3	0.2	0.2	0.3			0.8
9/21/2015	Draft motion for party status and certificate of service									1.0
9/23/2015	Review PG&E rate case exhibits and workpapers	0.5	0.5	0.5	0.5	0.5	0.5			
9/27/2015	Revise PG&E rate case filing	0.2	0.2	0.2	0.2	0.2				
9/28/2015	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox -- Discuss PG&E GRC workshop issues and participation	0.3	0.3	0.3	0.3					2.8
9/29/2015	Attend portion of PG&E GRC workshop									2.5
9/30/2015	Revise and circulate draft motion for party status									0.2
10/7/2015	Review and revise data request A4NR-1 and A4NR-2	0.5	2.5	1.2	0.8	0.5				
10/26/2015	Research history of performance-based pricing related to Diablo Canyon		3.0							
10/29/2015	Attend Prehearing Conference									2.5
11/2/2015	Prepare draft NOI; call with A4NR to discuss PG&E call strategy			0.5	0.5					
11/2/2016	Call with A4NR to discuss PG&E call strategy									0.3
11/6/2015	Call re: strategy									0.2
11/9/2015	Review of Discovery requests			0.7	0.7	0.9				
11/13/2015	Draft and file Ex-Parte Communication (IEPR documents emailed to Commissioners)									0.4
11/16/2015	File NOI re: Claim for Intervenor Compensation									0.5
11/19/2015	Coordination meeting with TURN (Freedman/Toney)	0.2	0.3	0.3	0.2	0.1	0.1			0.3
11/20/2015	Coordination meeting with ORA (Tudisco/Tang)	0.2	0.3	0.3	0.2	0.2	0.2			0.1
11/23/2015	Review PG&E exhibits and prepare fourth data request		3.5							
11/30/2015	Draft discovery request set 4		0.3							
12/2/2015	Review third discovery requests		0.9	0.9	0.9					0.2
12/10/2015	Revise fourth set of data requests		0.2							
12/11/2015	Meeting to discuss next steps	0.2	0.2	0.2	0.2	0.2				
12/14/2015	Review other party discovery requests	0.4	0.4	0.4	0.4	0.4	0.4			
12/15/2015	Revise fourth set of data requests; review PG&E response to discovery request; review other party discovery requests	0.5	3.0	0.5	0.5	0.5				0.3
12/16/2015	Review other party discovery requests and PG&E responses	0.5	3.0	0.5	0.5	0.5				0.2
12/17/2015	Revise and circulate 4th set of data requests		1.0	1.0	1.0					0.9
12/18/2015	Review other party discovery requests	0.3	0.4	0.4	0.3	0.2	0.4			
12/21/2015	Finalize and serve fourth data request; review PG&E responses to data requests	0.2	0.3	0.4	0.4	0.2	0.5			
12/29/2015	Review discovery documents of other parties and create chart	0.3	0.3	0.2	0.2					1.5
12/31/2015	Conference call re: next steps/strategy									1.0
1/4/2016	Review third party discovery information	0.8	0.8	0.8	0.8	0.5	0.2			
1/5/2016	Review third party discovery information, case management chart and PG&E response to question 12 of fourth data request	1.0	1.0	1.0	1.0					1.3
1/6/2016	Review PG&E responses to fourth data request		1.0							
1/7/2016	Meeting with legal team to review outline of A4NR testimony and evidentiary record under preponderance test and admissibility requirements	1.2	1.8	1.0	1.0	0.5	0.5			
1/8/2016	Review evidentiary record and A4NR testimony with A4NR team (agreement on A4NR recommendations)	1.0	1.7	0.9	0.9	0.5	0.5			
1/12/2016	Prepare for and attend conference call with CPUC Public Advisor to discuss public participation hearings, draft and circulate summary for client									0.9
1/15/2016	Draft data requests		0.2	0.3						
1/21/2016	Review data request set 5			0.2						
1/29/2016	Review PG&E GRC update email									0.2

2/4/2016	Review PG&E response to 5th set of data requests	0.3	0.3	0.4				
2/12/2016	Review PG&E discovery status email							0.5
2/18/2016	Call re: case status and drafting testimony							0.5
2/19/2016	Draft Seismic balancing testimony and PG&E discovery status email			3.0				
2/19/2016	Draft PG&E discovery status email							0.4
2/22/2016	Research Seismic balancing account			4.2				
2/23/2016	Draft seismic balancing testimony			1.8				
2/24/2016	Draft seismic balancing testimony			0.6				
2/25/2016	Review seismic balancing account discovery			2.0				
2/26/2016	Revise seismic balancing account testimony			2.3				
2/27/2016	Draft seismic balancing account testimony			3.0				
2/29/2016	Review testimony	0.1	0.1		0.2			
3/2/2016	Team meeting to review drafts of A4NR testimony	0.5	1.0	1.0	0.5	1.0		
3/8/2016	Review testimony				0.5			
3/11/2016	Revise Rochelle Becker Testimony	0.1	0.1	0.1	0.1	0.1		
3/20/2016	Research PG&E statements re DCNPP duration of operations in LTPP and IEPR and draft summary for team review		3.5					
3/28/2016	Review Rochelle Becker testimony for annotations							0.8
3/30/2016	Review Rochelle Becker testimony for annotations							1.0
3/31/2016	Review John Geesman Testimony for annotations							1.4
4/4/2016	Call re: testimony; follow up with Public Advisors office re: public participation hearings	0.1	0.1					
4/4/2016	Follow up with Public Advisors Office re: public participation hearings							0.3
4/6/2016	Review PG&E supplemental response to A4NR 003-Q13							0.3
4/8/2016	Email re: extension of time							0.2
4/11/2016	Review ORA testimony							1.3
4/12/2016	Meeting to walk through testimony of Becker and Geesman	0.8	0.7	0.8	0.7	0.7		1.3
4/26/2016	Meeting to finalize direct testimony, workpapers and Joint Comparison Exhibit	0.5	0.2	0.4	0.2	0.3	0.4	1.0
4/27/2016	Finalize Testimony and revise workpapers	0.3	0.2	0.3	0.2	0.2	0.2	0.5
4/28/2016	Finalize testimony and workpapers	0.3	0.3	0.3	0.3	0.3	0.3	0.2
4/29/2016	Finalize testimony and workpapers	0.4	0.5	0.4	0.5	0.5	0.2	1.0
Totals for Meghan Cox:		11.7	35.2	16.7	14.6	24.3	6.9	0
							0	29.1

Time Sheet Records for John Geesman, Expert Witness for A4NR, and Attorney for A4NR in predecessor proceeding R.14-02-01									
Date	Task	Hours by Issue		ADE	SSBA	ISFSI	PTY3	MRFR	GP
		T A/L	DC						
2/14/2014	Review R.14-02-001 for DCNPP-related issues (hours transferred based on D.16-01-033)	0.625	0.625						
2/14/2014	Correspondence with clients re: intervention in case (hours transferred based on D.16-01-033)	0.08	0.08						
2/18/2014	Email with CPUC Process Office to establish party status								
2/26/2014	Correspondence with clients re: case strategy (hours transferred based on D.16-01-033)	0.025	0.025						
3/3/2014	Correspondence with clients re: flexible capacity payments and Exelon pricing strategy (hours transferred based on D.16-01-033)		0.05						
3/11/2014	review PG&E comments on OIR (hours transferred based on D.16-01-033)	0.05	0.05						
3/11/2014	Draft data requests to PG&E (hours transferred based on D.16-01-033)	0.54	0.54						
3/11/2014	Email data requests to PG&E								
3/25/2014	Correspondence with clients re: PG&E responses to data requests (hours transferred based on D.16-01-033)	0.015	0.015						
3/26/2014	Correspondence with PG&E re: responses to data requests (hours transferred based on D.16-01-033)	0.035	0.035						
4/1/2014	Discuss DCNPP load-following with Friends of the Earth and Energy Division staff (hours transferred based on D.16-01-033)	0.125	0.125						
4/1/2014	Send DCNPP load-following data requests to Friends of the Earth and Energy Division staff								
4/2/2014	Correspondence with Energy Division mgmt. re: staff briefing	0.01	0.01						
4/3/2014	Meeting with clients, UCS expert Dave Lochbaum, and Energy Division staff on DCNPP load following (hours transferred based on D.16-01-033)	0.585	0.585						
4/8/2014	Correspondence with clients re: PHC (hours transferred based on D.16-01-033)	0.01	0.01						
4/10/2014	Review Diablo Canyon Independent Safety Committee video exchanges on DCNPP load following (hours transferred based on D.16-01-033)	1.525	1.525						
4/10/2014	Correspondence with clients re: highlights from DCISC video (hours transferred based on D.16-01-033)	0.025	0.025						
4/15/2014	Correspondence with PG&E re: responses to data requests (hours transferred based on D.16-01-033)	0.015	0.015						
4/16/2014	Correspondence with clients re: PG&E responses to data requests (hours transferred based on D.16-01-033)	0.02	0.02						
4/16/2014	Review ALJ Kersten's milestones/schedule for PHC (hours transferred based on D.16-01-033)	0.025	0.025						
4/16/2014	Review PG&E initial responses to data requests (hours transferred based on D.16-01-033)	0.25	0.25						
4/16/2014	Correspondence with Friends of the Earth, Energy Division staff re: PG&E discovery responses and DCNPP load following (hours transferred based on D.16-01-033)	0.03	0.03						
4/17/2014	Meet with client to discuss case strategy re: DCNPP load following, qualification as flexible capacity (hours transferred based on D.16-01-033)	0.725	0.725						
4/17/2014	Attend PHC (hours transferred based on D.16-01-033)	0.835	0.835						
4/17/2014	Meet and confer with PG&E re: data requests (hours transferred based on D.16-01-033)	0.025	0.025						
4/17/2014	Draft motion to compel discovery (hours transferred based on D.16-01-033)	2.7	2.7						
4/23/2014	Correspondence with clients re: Sierra Club position on DCNPP load following, other examples of nuclear load following (hours transferred based on D.16-01-033)	0.035	0.035						
4/24/2014	Correspondence with clients re: CPUC workshops, NRC May 22 Meeting as forum on DCNPP load following issues (hours transferred based on D.16-01-033)	0.04	0.04						

4/28/2014	Correspondence with clients re: NRC May 22 Meeting and DCNPP load following issues (hours transferred based on D.16-01-033)	0.025	0.025
4/28/2014	Review PG&E response to Motion to Compel Data Responses (hours transferred based on D.16-01-033)	0.135	0.135
4/29/2014	Phone call with ALJ Kersten requesting opportunity to reply to PG&E response to Motion to Compel (hours transferred based on D.16-01-033)	0.065	0.065
4/29/2014	Correspondence with clients re: PG&E discovery dispute (hours transferred based on D.16-01-033)	0.075	0.075
5/2/2014	Attend CPUC Workshop A (hours transferred based on D.16-01-033)	3.0	3.0
5/6/2014	Correspondence with clients re: CPUC workshops, DCNPP CPCN specification of operating assumptions, Ed Halpin confidentiality claim regarding DCNPP load-following (hours transferred based on D.16-01-033)	0.065	0.065
5/9/2014	Review workshop materials received from Energy Division staff (hours transferred based on D.16-01-033)	0.165	0.165
5/13/2014	Attend CPUC Workshop B (hours transferred based on D.16-01-033)	2.0	2.0
5/15/2014	Draft NOI and send to client (hours transferred based on D.16-01-033)	0.5	0.5
5/21/2014	Correspondence w clients re: Scoping Memo, discovery issues, and eliciting NRC views on DCNPP load-following (hours transferred based on D.16-01-033)	0.035	0.035
5/22/2014	Correspondence with clients re: potential overlap between Mangano concerns and operating DCNPP on load-following basis (hours transferred based on D.16-01-033)	0.01	0.01
5/22/2014	Attend PG&E/NRC public Meeting in San Luis Obispo to address load-following issue (hours transferred based on D.16-01-033)	1.5	1.5
5/22/2014	Round-trip Oakland to San Luis Obispo and return @ 1/2 hourly rate to Attend PG&E/NRC public Meeting (hours transferred based on D.16-01-033)	3.5	3.5
5/28/2014	Research attorney work product privilege (hours transferred based on D.16-01-033)	1.085	1.085
5/28/2014	Draft Reply to PG&E Response to motion to compel data requests (hours transferred based on D.16-01-033)	2.365	2.365
5/30/2014	Draft Reply to PG&E Response to motion to compel data requests (hours transferred based on D.16-01-033)	2.29	2.29
5/30/2014	Correspondence with clients re: Diablo Canyon Independent Safety Committee and load-following information (hours transferred based on D.16-01-033)	0.025	0.025
6/1/2014	Draft Public Records Act request to Diablo Canyon Independent Safety Committee (hours transferred based on D.16-01-033)	0.175	0.175
6/3/2014	Correspondence with clients re: Public Records Act request to DCISC (hours transferred based on D.16-01-033)	0.025	0.025
6/4/2014	Correspondence with clients re: Carl Pope column, ISO duck chart load-following implications (hours transferred based on D.16-01-033)	0.03	0.03
6/5/2014	Correspondence with clients re: NRC written summary of SLO Meeting (hours transferred based on D.16-01-033)	0.06	0.06
6/11/2014	Correspondence with clients re: DCISC load-following information (hours transferred based on D.16-01-033)	0.02	0.02
6/11/2014	Travel from Orinda to Avila Beach and return @ 1/2 hourly rate for DCISC Meeting (hours transferred based on D.16-01-033)	2.0	2.0
6/11/2014	Attend DCISC Meeting and instigate load-following discussion (hours transferred based on D.16-01-033)	3.42	3.42
6/12/2014	Attend DCISC Meeting and instigate load-following discussion (hours transferred based on D.16-01-033)	2.915	2.915
6/12/2014	Travel from Orinda to Avila Beach and return @ 1/2 hourly rate for DCISC Meeting (hours transferred based on D.16-01-033)	2.0	2.0
6/25/2014	Review DCISC response to Public Records Act request (hours transferred based on D.16-01-033)	0.185	0.185

6/25/2014	Correspondence with clients re: DCISC response to Public Records Act request for load-following information (hours transferred based on D.16-01-033)	0.075	0.075
7/1/2014	Draft data request to PG&E regarding AREVA work on DCNPP load-following (hours transferred based on D.16-01-033)	0.12	0.12
7/1/2014	Correspondence with clients re: latest data request to PG&E (hours transferred based on D.16-01-033)	0.01	0.01
7/2/2014	Email with PG&E attorney re: data request (hours transferred based on D.16-01-033)	0.01	0.01
7/15/2014	Review PG&E response to data request (hours transferred based on D.16-01-033)	0.05	0.05
7/15/2014	Correspondence with clients re: PG&E response to latest data request (hours transferred based on D.16-01-033)	0.01	0.01
7/24/2014	Correspondence with clients re: load-following experience and Columbia nuclear plant in Washington state (hours transferred based on D.16-01-033)	0.025	0.025
7/29/2014	Correspondence with clients re: CEC workshop on reliability in Southern California and DCNPP ramifications (hours transferred based on D.16-01-033)	0.015	0.015
8/5/2014	Correspondence with clients re: Helms and DCNPP load-following (hours transferred based on D.16-01-033)	0.04	0.04
8/8/2014	Draft comments to DCISC re: confidentiality of DCNPP load-following report (hours transferred based on D.16-01-033)	0.04	0.04
8/19/2014	Correspondence with clients re: potential role for Al Pak (hours transferred based on D.16-01-033)	0.025	0.025
9/26/2014	Correspondence with clients re: UBS analysis of "carbon bomb" and nuclear (hours transferred based on D.16-01-033)	0.04	0.04
10/6/2014	Correspondence with clients re: transcript of NRC end-of-cycle Meeting at DCNPP (hours transferred based on D.16-01-033)	0.015	0.015
10/7/2014	Correspondence with clients re: transcript of NRC end-of-cycle Meeting at DCNPP (hours transferred based on D.16-01-033)	0.03	0.03
10/9/2014	Correspondence with clients re: TURN request on Comments (hours transferred based on D.16-01-033)	0.025	0.025
10/15/2014	Review ALJ ruling on time for Comments (hours transferred based on D.16-01-033)	0.01	0.01
10/22/2014	Review PG&E Notice of Ex Parte Communication (hours transferred based on D.16-01-033)	0.01	0.01
10/23/2014	Review CPUC staff report (hours transferred based on D.16-01-033)	0.64	0.64
10/23/2014	Draft Comments on CPUC staff report (hours transferred based on D.16-01-033)	2.365	2.365
10/24/2014	Draft Comments on CPUC staff report (hours transferred based on D.16-01-033)	2.1	2.1
10/29/2014	Review ORA report on retirement risk (hours transferred based on D.16-01-033)	0.19	0.19
10/29/2014	Correspondence with clients re: ORA report on retirement risk (hours transferred based on D.16-01-033)	0.04	0.04
10/31/2014	Review PG&E's motion to file under seal (hours transferred based on D.16-01-033)	0.04	0.04
10/31/2014	Read other parties' Opening Comments (hours transferred based on D.16-01-033)	0.65	0.65
11/12/2014	Read PG&E's Reply Comments (hours transferred based on D.16-01-033)	0.08	0.08
11/12/2014	Read other parties' Reply Comments (hours transferred based on D.16-01-033)	0.425	0.425
11/13/2014	Read PG&E Response to ORA motion (hours transferred based on D.16-01-033)	0.025	0.025
11/19/2014	Draft request to CPUC in response to Docket Office's direction, to late-file Comments		
11/21/2014	Read ALJ's ruling on late-filing request		
12/8/2014	Correspondence with clients re: Joint PHC with Resource Adequacy proceeding (hours transferred based on D.16-01-033)	0.025	0.025

12/12/2014	Review ALJ email identifying questions to be addressed at PHC (hours transferred based on D.16-01-033)	0.04	0.04				
12/17/2014	Attend and participate in Joint PHC with RA proceeding (hours transferred based on D.16-01-033)	1.285	1.285				
1/6/2015	Correspondence with clients re: participation of Al Pak						0.05
1/6/2015	Correspondence with clients re: A4NR past support for 55% renewables target in 2030, implication for flexible capacity needs (hours transferred based on D.16-01-033)	0.015	0.015				
1/7/2015	Correspondence with clients re: meaning of Gov. Brown's 50% renewables target (hours transferred based on D.16-01-033)	0.025	0.025				
1/12/2015	Email with Ed O'Neill re: lack of ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.015	0.015				
1/12/2015	Correspondence with clients re: load-following in CEC IEPR process (hours transferred based on D.16-01-033)	0.01	0.01				
1/19/2015	Correspondence with clients re: participation of Al Pak						0.05
1/19/2015	Correspondence with clients re: status of DCNPP in ISO Transmission Plan (hours transferred based on D.16-01-033)	0.025	0.025				
1/26/2015	Review ALJ ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.125	0.125				
1/27/2015	Correspondence with clients re: ALJ ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.025	0.025				
1/28/2015	Correspondence with CPUC staff attorney Fred Harris re: Public Records Act Request on DCNPP load-following (hours transferred based on D.16-01-033)	0.215	0.215				
2/5/2015	Correspondence with clients re: CPUC initial response to Public Records Act request (hours transferred based on D.16-01-033)	0.025	0.025				
2/12/2015	Correspondence with clients re: NRC "white" finding regarding omission of ocean from Emergency Response Plan, Meeting with Al Pak	0.1	0.1	0.05			0.02
2/13/2015	Correspondence with clients re: "white" finding, Meeting with Al Pak	0.02	0.02	0.01			0.04
2/18/2015	Correspondence with clients re: Meeting with Al Pak						0.05
2/24/2015	Correspondence with clients re: Meeting with Al Pak						0.02
2/27/2015	Review CPUC Public Records Act response (hours transferred based on D.16-01-033)	0.435	0.435				
2/28/2015	Email with Al Pak re: Meeting with clients						0.02
3/6/2015	Meeting with clients, Al Pak, CalPLG lawyers						1.25
3/10/2015	Review CPUC staff notice of Track 2 workshop (hours transferred based on D.16-01-033)	0.015	0.015				
3/11/2015	Review ORA notice of ex parte communication (hours transferred based on D.16-01-033)	0.015	0.015				
3/11/2015	Correspondence with clients re: ORA position on retirements (hours transferred based on D.16-01-033)	0.01	0.01				
3/16/2015	Correspondence with clients re: renewable curtailments inference in Picker-Weisenmiller op-ed (hours transferred based on D.16-01-033)	0.025	0.025				
3/22/2015	Correspondence with clients re: documents to send to Al Pak	0.015	0.015				
4/9/2015	Review Energy Division white paper and various presentation slides for workshop (hours transferred based on D.16-01-033)	0.375	0.375				
4/9/2015	Attend Energy Division Track 2 workshop (hours transferred based on D.16-01-033)	2.915	2.915				
4/16/2015	Correspondence with clients re: DCNPP spent nuclear fuel issues in next GRC					0.05	
4/27/2015	Correspondence with CEC re: getting AREVA's study of DCNPP load-following submitted in IEPR docket (hours transferred based on D.16-01-033)	0.01	0.01				
4/29/2015	Review ORA ex parte presentation materials (hours transferred based on D.16-01-033)	0.085	0.085				
4/30/2015	Correspondence with clients re: relicensing costs as potential \$85 million GRC issue		0.025	0.025			
5/7/2015	Correspondence with clients re: video on Humboldt Bay original cost estimates as DCNPP benchmark	0.01	0.01	0.01	0.01	0.01	0.01
5/7/2015	Phone call with Chris Ellison re: potential collaboration with Friends of the Earth	0.11	0.11	0.1	0.11	0.1	0.11

5/9/2015	Correspondence with clients re: potential economist expert witness	0.02	0.02				
5/10/2015	Correspondence with clients re: potential CO2 analysis for GRC	0.03	0.03				0.01
5/10/2015	Review DCNPP inspection document from NRC	0.02		0.02	0.02	0.02	
5/23/2015	Correspondence with clients re: DCNPP desalination proposal	0.04	0.04		0.03		
5/26/2015	Correspondence with potential intervention funder						0.04
5/29/2015	Correspondence with potential intervention funder						0.14
5/29/2015	Phone call with potential intervention funder						1.08
6/4/2015	Correspondence with clients re: DCNPP desalination proposal	0.02	0.02		0.01		
6/8/2015	Correspondence with CEC re: Picker letter to PG&E	0.01	0.01		0.01	0.01	
6/8/2015	Correspondence with clients re: DCNPP cask loading errors						0.07
6/9/2015	Correspondence with clients re DCNPP desalination proposal	0.06	0.06		0.05		
6/10/2015	Correspondence with clients re: DCNPP cask loading errors						0.25
6/12/2015	Review ALJ Kersten's email (hours transferred based on D.16-01-033)	0.01	0.01				
6/16/2015	Review NRC report on DCNPP cask loading errors						0.03
6/17/2015	Correspondence with clients re: potential economist expert witness		0.03		0.02		
6/18/2015	Correspondence with clients re: DCNPP cask loading errors, financial analysis of PGC stock		0.02		0.03		0.02
6/20/2015	Correspondence with clients re: DCNPP desalination cost numbers	0.04	0.03		0.03		
6/24/2015	Correspondence with clients re: retainer agreement with Al Pak						
6/25/2015	Correspondence with clients re: need for expert witnesses						0.05
6/26/2015	Correspondence with clients re: potential expert witness, role of relicensing costs and seismic issues in GRC		0.02		0.02	0.04	
6/29/2015	Correspondence with clients re: Al Pak retainer agreement, DCNPP nozzle problem	0.02	0.03				
6/30/2015	Correspondence with clients re: role of CCC and County in NEPA scoping of relicensing	0.02					
7/1/2015	Review NRC Notice of intent to reinitiate scoping process for EIS on relicensing	0.05					
7/2/2015	Correspondence with clients re: NRC scoping session for EIS on relicensing	0.02					
7/3/2015	Correspondence with clients re: Calvert screening criteria for social investment		0.05		0.05		
7/4/2015	Correspondence with clients re: impact of CPUC rate design on DCNPP		0.05				
7/8/2015	Correspondence with CEERT re: potential economic analysis in GRC		0.05				
7/9/2015	Watch NRC oral argument on scoping of relicensing environmental report	3.0					
7/9/2015	watch NRC oral argument on Friends of the Earth petition in front of ASLB on seismic issues						3.5
7/11/2015	Correspondence with clients re: source of funds for PG&E relicensing efforts		0.03				
7/14/2015	Correspondence with clients re: NRC scoping session, Tom Dalzell video	0.2					
7/15/2015	Correspondence with clients re: Dalzell video, NRC waiver on PG&E expedited seismic evaluation	0.03					0.05
7/16/2015	Correspondence with clients re: DCNPP Plant Betterment study	0.06	0.06	0.07	0.06	0.06	0.06
8/11/2015	Correspondence with clients re: implications of Keweenaw closure		0.02		0.01		
8/18/2015	Correspondence with clients re: latest NRC DCNPP inspection report	0.2					
8/21/2015	Correspondence with clients, CEERT re: requiring PG&E to segregate DCNPP revenue requirement using SONGS OII template		0.1				
8/23/2015	Correspondence with clients re: DCNPP desalination proposal	0.02	0.02		0.01		
8/25/2015	Correspondence with clients re: renewables required to replace DCNPP	0.02	0.01				

8/27/2015	Correspondence with clients re: INPO downgrade of DCNPP	0.17	0.15						
8/28/2015	Correspondence with clients re: Florio comments on PG&E and safety investigation	0.03	0.02						
8/31/2015	Research ISO designation of DCNPP as 1800 MW of flexible capacity	0.34	0.33						
8/31/2015	Correspondence with CLECA re: ISO listing DCNPP as flexible capacity	0.03	0.02						
8/31/2015	Correspondence with clients re: DCNPP designation as flexible capacity	0.05	0.04						
8/31/2015	Correspondence with MRW re: potential expert testimony in GRC								0.05
9/1/2015	Review NRC environmental site audit, summary of public scoping session for relicensing EIS	0.41							
9/1/2015	Correspondence with MRW re: potential expert testimony in GRC								0.03
9/1/2015	Correspondence with clients re: PG&E exclusion of relicensing as issue in GRC	0.03							
9/2/2015	Correspondence with clients re: identifying best GRC issues, need for Meeting with Al Pak	0.06	0.06	0.05	0.05	0.05	0.05	0.05	
9/2/2015	Correspondence with MRW re: potential expert testimony in GRC								0.02
9/3/2015	Correspondence with clients re: similarity between propping up DCNPP and Ohio coal policy, potential collaboration with Friends of the Earth								0.06
9/3/2015	Phone call with Friends of the Earth re: potential collaboration in GRC								0.28
9/5/2015	Correspondence with CEC re: ISO listing of DCNPP as flexible capacity resource	0.03	0.02						
9/10/2015	Correspondence with clients re: NRC environmental site audit, SLC lease extension, balancing account for relicensing expenses	0.11	0.11						
9/11/2015	Review NRC response to PG&E submittal on NTTF staffing levels, NRC summary of Meeting with PG&E on risk-informed completion items	0.04	0.03						
9/13/2015	Review PG&E GRC filing in order to prep. for A4NR strategy session	0.67	0.67	0.66	0.67	0.66	0.67		
9/15/2015	Correspondence with clients re: upcoming strategy session	0.02	0.02						
9/16/2015	A4NR strategy session with GRC litigation team	0.89	0.89	0.87	0.89	0.87	0.89		
9/16/2015	Review PG&E announcement of cooperation re: Butte Fire								0.02
9/18/2015	Correspondence with clients re: assigned ALJ								0.02
9/20/2015	Review McCullough report on Columbia Generating Station for DCNPP parallels	0.18	0.18	0.18	0.18	0.18	0.18		
9/21/2015	Correspondence with clients re: costs of DCNPP info center								0.02
9/23/2015	Correspondence with CEC re: Friends of the Earth and need for DCNPP	0.01	0.01						
9/24/2015	Correspondence with clients re: need for data requests to DCNPP Nuclear Safety Operating Committee	0.01	0.01						
9/24/2015	Meeting with clients and Friends of the Earth on GRC strategy	0.34	0.34	0.32	0.34	0.32	0.34		
9/25/2015	Meeting with MRW re: GRC expert testimony								1.75
9/27/2015	Review PG&E workpapers	0.25	0.25	0.25	0.25	0.25	0.25		
9/27/2015	Draft discovery requests	0.19	0.19	0.18	0.19	0.18	0.19		
9/28/2015	Strategy session with GRC litigation team	0.71	0.71	0.71	0.71	0.7	0.71		
9/28/2015	Review PG&E PowerPoint for GRC workshop	0.045	0.045	0.045	0.045	0.045	0.045		
9/29/2015	Attend PG&E GRC workshop at CPUC	0.945	0.945	0.945	0.945	0.945	0.945		
9/30/2015	Read email from ALJ Roscow re: information requested after workshop								0.03
10/1/2015	Correspondence with clients re: role of LTPP, Florio promise of investigation, in DCNPP future	0.06	0.06						
10/2/2015	Correspondence with Friends of the Earth re: follow-up items								0.02
10/2/2015	Read email from ALJ Roscow re: information requested after workshop								0.02
10/5/2015	Correspondence with litigation team re: service list								
10/8/2015	Review additional information provided ALJ Roscow by PG&E								0.05

10/9/2015	Correspondence with litigation team re: discovery requests							0.02
10/13/2015	Read email from ALJ Roscow							0.02
10/16/2015	Correspondence with clients re: DCNPP GRC issues overlapping with CEC IEPR and Diablo Canyon Independent Safety Committee	0.025	0.025	0.025	0.025	0.025	0.025	
10/17/2015	Review nuclear section of CEC Draft 2015 IEPR	0.18	0.18	0.18	0.18	0.18	0.18	
10/19/2015	Correspondence with clients re: Diablo Canyon Independent Safety Committee and load-following information (hours transferred based on D.16-01-033)	0.01	0.01			0.01		
10/20/2015	Attend CEC Draft 2015 workshop and address DCNPP spent nuclear fuel recommendations and past history						1.45	
10/20/2015	Travel from Sacramento to San Luis Obispo @ 1/2 hourly rate to Attend Diablo Canyon Independent Safety Committee Meeting	1.0	1.0			1.0	1.0	
10/20/2015	Attend Diablo Canyon Independent Safety Committee Meeting and discuss seismic issues, spent fuel, and load-following	0.98	0.98			0.98	0.98	
10/21/2015	Correspondence with clients re: PG&E demand for dismissal of criminal charges							0.02
10/21/2015	Attend Diablo Canyon Independent Safety Committee Meeting and discuss seismic issues, spent fuel, and load-following	1.46	1.46			1.46	1.46	
10/21/2015	Travel from San Luis Obispo to Orinda @ 1/2 hourly rate after Meeting of Diablo Canyon Independent Safety Committee	1.0	1.0			1.0	1.0	
10/21/2015	Correspondence with clients re: DCNPP refueling						0.02	
10/23/2015	Review CEC amicus brief on NRC spent nuclear fuel storage decision						0.68	
10/23/2015	Correspondence with clients re: DCNPP and SB 350, CEC amicus brief, NRC no-significant-impact paper on ISFSI	0.04	0.04				0.18	
10/24/2015	Review Draft Correspondence with UCS expert Dave Lochbaum re: DCNPP issues in GRC	0.04	0.04	0.04	0.04	0.05	0.04	
10/25/2015	Research NRC documents for permissible spent nuclear fuel configurations						2.38	
10/26/2015	Correspondence with clients re: PG&E victory at Atomic Safety Licensing Board, pictures of rubble from transformer explosion	0.025	0.025					
10/27/2015	Correspondence with clients, litigation team re: DCNPP economics, Sam Blakeslee assessment PG&E responses to NRC requests for additional information	0.025	0.025			0.04		
10/27/2015	Review NRC paper on seismic probabilistic risk assessment					0.2		
10/27/2015	Review PG&E letter DCL 15-111					0.58		
10/27/2015	Review PG&E letter DCL 15-095					0.73		
10/28/2015	Strategy session with clients, litigation team, and TURN	0.54	0.55	0.54	0.54	0.54	0.54	
10/29/2015	Attend Prehearing Conference							1.33
10/29/2015	Correspondence with clients, litigation team re: Tony Earley statement about risk analysis		0.03					
10/30/2015	Correspondence with clients, litigation team re: SNF issues, calls with PG&E, and Friends of the Earth	0.05	0.05	0.05	0.05	0.05	0.14	
11/1/2015	Correspondence with clients, litigation team re: motion to compel discovery, comments on Draft 2015 IEPR	0.015	0.015	0.015	0.015	0.015	0.025	
11/1/2015	Draft comments on spent nuclear fuel issues in 2015 IEPR						2.0	
11/3/2015	Correspondence with clients re: request to Cal. Geo. Service for DCNPP observation points ESTA 27 and 28					0.03		
11/4/2015	Correspondence with clients re: Sam Blakeslee Review of PG&E responses to NRC requests for additional seismic information					0.15		
11/4/2015	Review Peterman/Kersten ruling closing Track 3 (hours transferred based on D.16-01-033)	0.085	0.085					
11/5/2015	Correspondence with clients, litigation team re: PG&E-proposed Non-Disclosure Agreement							0.15
11/6/2015	Correspondence with clients, litigation team re: NDA, financial hardship, prior Bushey requests for articles and bylaws, NOI contents							0.26
11/6/2015	Correspondence with CEERT re: prospective Meeting							0.02
11/7/2015	Correspondence with clients, litigation team re: data requests, potential Meetings with TURN, ORA	0.02	0.02					
11/9/2015	Correspondence with litigation team re: discovery requests	0.04	0.05	0.04	0.04	0.04	0.04	

11/10/2015	Correspondence with clients, litigation team re: ex parte notices, potential Meeting with ORA	0.01	0.01			0.12
11/11/2015	Correspondence with litigation team re: ex parte notices					0.05
11/12/2015	Correspondence with litigation team re: ex parte notices					0.02
11/13/2015	Correspondence with clients re: DCNPP aspects of CPUC workshop on SB 350 implementation					0.08
11/14/2015	Review DCNPP portions of PG&E comments on Draft 2015 IEPR	0.07	0.07	0.07	0.07	0.1
11/14/2015	Correspondence with clients re: PG&E comments on Draft 2015 IEPR	0.02	0.02	0.02	0.02	0.03
11/15/2015	Research Bodega Head historical paper for DCNPP parallels	0.14	0.14	0.14	0.14	0.14
11/16/2015	Review NRC DCNPP inspection report on Hosgri Fault/Loss of Coolant Accident analysis using Watts Bar methodology	0.25			0.25	
11/16/2015	Correspondence with clients re: Hosgri Fault/Loss of Coolant Accident analysis		0.015			0.015
11/16/2015	Meeting with CEERT re: Friends of the Earth economic analysis of DCNPP operation	0.5	0.5			
11/18/2015	Correspondence with clients re: Dr. Peck's view of Hosgri Fault/Loss of Coolant Accident analysis					0.05
11/27/2015	Correspondence with clients, litigation team re: rationale for CPUC cut in substation security project		0.05			
11/30/2015	research earlier CPUC decisions re: PG&E relicensing analysis	0.355	0.355	0.355	0.355	
12/2/2015	Attend CPUC workshop on SB 350 implementation, make statement about assumed availability of DCNPP	0.47	0.47	0.47	0.47	0.4
12/3/2015	Strategy call with Friends of the Earth	0.27	0.28			
12/3/2015	Correspondence with Friends of the Earth, EDF, NRG re: PG&E relicensing equivocation	0.03	0.03			
12/4/2015	Correspondence with Friends of the Earth, clients re: strategy	0.08	0.07			
12/7/2015	Correspondence with CEC re: DCNPP issues	0.02	0.01			
12/7/2015	Review PG&E discovery responses	0.93	0.93	0.93	0.93	0.92
12/8/2015	Review NRC no-significant-impact finding re: DCNPP relicensing	0.17				
12/8/2015	Review PG&E discovery responses	0.74	0.74	0.74	0.74	0.72
12/10/2015	Correspondence with clients re: reduction of PG&E potential criminal penalty by U.S. Dist. Ct.	0.05	0.05			
12/11/2015	Correspondence with clients re: Environmental Progress, potential ballot measure for DCNPP shutdown,	0.05	0.05			
12/11/2015	Review PG&E discovery responses	0.59	0.59	0.58	0.58	0.58
12/12/2015	Review PG&E discovery responses	0.75	0.75	0.75	0.75	0.75
12/13/2015	Correspondence with Al Pak re: stator replacement			0.03		
12/18/2015	Correspondence with clients re: State Lands Commission report on DCNPP developments in 2016	0.06	0.05			
12/19/2015	Correspondence with CEC re: State Lands Commission actions regarding DCNPP	0.04	0.03			
12/21/2015	Review fourth round A4NR discovery requests	0.02	0.02	0.02	0.02	0.01
12/21/2015	Correspondence with clients re: Friends of the Earth letter to State Lands Commission, PG&E use of 1982 Watts Bar methodology in Hosgri Fault/Loss of Coolant Accident analysis	0.02	0.01			0.03
12/24/2015	Email with Al Pak re: PG&E load-following document	0.05	0.05			
12/31/2015	Correspondence with Michael Hiltzik re: DCNPP					
1/1/2016	Correspondence with clients, Al Pak re: public participation hearing in San Luis Obispo					0.03
1/2/2016	Correspondence with clients re: public participation hearing in San Luis Obispo					0.02
1/4/2016	Correspondence with clients re:A4NR presentation at public participation hearing					0.08
1/8/2016	Attend strategy session with litigation team	0.71	0.71	0.71	0.71	0.7
1/11/2016	Correspondence with clients re: State Lands Commission and DCNPP	0.02	0.02			
1/13/2016	Correspondence with clients re: State Lands Commission, NRC audit of DCNPP seismic studies	0.02	0.02			0.02
1/14/2016	Correspondence with clients re: potential witnesses	0.02	0.02	0.01	0.01	0.01
1/15/2016	Correspondence with clients re: potential witnesses	0.01	0.01	0.005	0.005	0.005

1/16/2016	Review video of State Lands Commission discussion of DCNPP leases	0.34	0.33				
1/18/2016	Correspondence with clients re: Governor's office, State Lands Commission and DCNPP leases	0.05	0.05				
1/19/2016	Meeting with clients, Governor's office re: DCNPP leases	0.34	0.33				
1/19/2016	Meeting with clients, State Controller's office re: DCNPP leases	0.29	0.29				
1/19/2016	Meeting with clients, Lt. Governor's office re: DCNPP leases	0.25	0.25				
1/19/2016	Meeting with clients, Dept. of Finance re: DCNPP leases	0.13	0.12				
1/20/2016	phone call with State Lands Commission staff re: CEQA Review of proposed new DCNPP lease	0.09	0.08				
1/21/2016	Correspondence with AI Pak re: discovery requests round 5			0.1			
1/24/2016	Correspondence with clients re: San Luis Obispo forum on GRC DCNPP issues	0.01	0.01				
1/25/2016	phone call with State Controller's Office re: new DCNPP lease	0.04	0.04				
1/25/2016	Correspondence with clients re: State Lands Commission, Coastal Commission and DCNPP	0.06	0.06				
1/26/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee and CEQA Review of new DCNPP lease	0.025	0.025				
1/27/2016	Correspondence with clients re: Coastal Commission and DCNPP	0.01	0.01				
1/28/2016	Draft memo analyzing CEQA/public trust issues stemming from new DCNPP lease	0.935	0.935				
1/28/2016	Correspondence with clients, AI Pak re: Friends of the Earth and new DCNPP lease, NRC acceptance of PG&E's seismic data sufficiency	0.03	0.03		0.07		
1/29/2016	Correspondence with clients, litigation team re: new DCNPP lease, Diablo Canyon Independent safety Committee, CEC IEPR content, NRC requests for additional information, Environmental Progress	0.1	0.1	0.09	0.09	0.09	0.09
1/29/2016	Review PG&E responses to A4NR data requests	0.4	0.4	0.4	0.43	0.4	0.4
1/30/2016	Correspondence with clients, CEC, SCE re: Environmental Progress "Save Diablo" efforts	0.01	0.01	0.01	0.01	0.01	0.01
1/31/2016	Correspondence with clients re: NRC non-action on DCNPP weld deficiencies	0.01	0.01				
2/1/2016	Correspondence with clients, AI Pak re: PG&E letter to NRC	0.01	0.01				
2/1/2016	Review PG&E response to A4NR data requests	0.43	0.43	0.43	0.43	0.43	0.43
2/1/2016	Draft memo to AI Pak on load-following	0.385	0.385				
2/2/2016	Draft memo to clients, litigation team re: IEPR wording on spent nuclear fuel transfer to dry casks				0.7		
2/2/2016	Correspondence with clients re: potential technical witness	0.015	0.015				
2/3/2016	Travel from Orinda to Avila Beach @ 1/2 hourly rate for DCISC Meeting	0.67	0.66	0.66	0.67	0.67	0.67
2/3/2016	Meeting with clients to Review GRC-related issues coming before Diablo Canyon Independent Safety Committee	0.25	0.25	0.25	0.25	0.25	0.25
2/3/2016	participate in Diablo Canyon Independent Safety Committee Meeting	1.0	1.0	1.0	1.0	1.0	1.0
2/4/2016	participate in Diablo Canyon Independent Safety Committee Meeting	1.06	1.05	1.05	1.05	1.06	1.06
2/4/2016	Travel from Avila Beach to Orinda @ 1/2 hourly rate after DCISC Meeting	0.67	0.66	0.66	0.67	0.67	0.67
2/5/2016	Review video excerpts from Diablo Canyon Independent Safety Committee Meeting	0.06	0.06		0.06	0.07	
2/6/2016	Correspondence with clients re: DCISC discussions of load-following, spent fuel transfer, and tsunami risk	0.01	0.01		0.02	0.05	
2/6/2016	Correspondence with clients re: Rod Adams reaction to Environmental Progress "Save Diablo" campaign	0.03	0.02				
2/8/2016	Correspondence with clients, litigation team re: relicensing expenditures, responding to Environmental Progress, State Lands Commission Meeting	0.04	0.04	0.03	0.03	0.04	0.04
2/9/2016	Meeting with client to Review GRC-related issues presented by new DCNPP lease	0.125	0.125	0.125	0.125	0.125	0.125
2/9/2016	Attend State Lands Commission and make statement re: CEQA Review of new DCNPP lease	0.11	0.12	0.11	0.11	0.11	0.11

2/9/2016	Discussion with Mark Krauss, PG&E regulatory affairs mgr. re: new lease for DCNPP	0.03	0.03	0.02	0.03	0.03	0.03
2/13/2016	Correspondence with clients, Harvey Wasserman re: role of State Lands Commission in DCNPP future	0.02	0.02	0.01	0.01	0.01	0.01
2/15/2016	Phone call with retired NRC ALJ Alex Karlin	0.04	0.04	0.04	0.04	0.05	0.04
2/15/2016	Correspondence with clients re: Karlin call, Diablo Canyon Independent Safety Committee	0.015	0.015	0.015	0.015	0.015	0.015
2/16/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee	0.02	0.02	0.015	0.015	0.015	0.015
2/17/2016	Correspondence with clients re: Environmental Progress message	0.01	0.01	0.01	0.01	0.01	
2/18/2016	Correspondence with clients re: industry soundbites	0.01	0.01				
2/22/2016	Correspondence with clients re: rebutting Environmental Progress	0.01	0.01	0.01	0.01	0.01	
2/23/2016	Correspondence with clients, Al Pak re: Exelon downgrade, strategy for testimony, Environmental Progress	0.03	0.03	0.02	0.02	0.02	0.02
2/24/2016	Correspondence with clients re: DCNPP desalination proposal	0.03	0.02				
2/26/2016	Correspondence with clients re: Mothers for Diablo Canyon	0.01	0.01				
2/27/2016	Correspondence with clients re: Dr. Peck and Diablo Canyon Independent Safety Committee					0.04	
2/29/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee					0.02	
3/1/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee, UCS expert Dave Lochbaum's take on NRC weld inspection variance for DCNPP	0.04	0.03				
3/2/2016	Meeting with litigation team to Review Draft testimony, PG&E responses to discovery, and further data requests	0.55	0.54	0.54	0.54	0.54	0.54
3/2/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee					0.02	
3/3/2016	Correspondence with clients re: INPO downgrade of DCNPP	0.02					
3/4/2016	Correspondence with clients re: Draft testimony, depreciation issue	0.03	0.03	0.03	0.05	0.03	0.03
3/6/2016	Correspondence with clients re: delay in PG&E criminal trial	0.01	0.01	0.01	0.01	0.01	0.01
3/13/2016	Correspondence with clients re: State Lands Commission and new DCNPP lease	0.02					
3/16/2016	Correspondence with litigation team re: Meeting with PG&E	0.005	0.005	0.005	0.005	0.005	0.005
3/17/2016	Correspondence with litigation team re: load-following	0.045	0.045				
3/18/2016	Correspondence with clients, State Controller's office, re: new DCNPP lease	0.02	0.02				
3/19/2016	Correspondence with clients, Al Pak re: new DCNPP lease, desalination proposal, DCNPP optionality, Draft testimony	0.085	0.085	0.085	0.085	0.085	0.085
3/19/2016	Review Draft A4NR testimony	0.38	0.38	0.38	0.38	0.38	0.38
3/20/2016	Draft memo to clients, litigation team re: comments on Draft A4NR testimony	0.15	0.15	0.15	0.15	0.15	0.15
3/22/2016	Review NRC white paper on offsite damages methodology	0.125	0.125				
3/22/2016	Correspondence with clients, litigation team re: offsite damages methodology, cybersecurity costs, Draft testimony	0.1	0.1				
3/24/2016	Correspondence with clients, litigation team re: required timing of DCNPP Coastal Zone Management Plan consistency certification	0.05	0.05				
3/24/2016	Meeting with Al Pak, PG&E counsel re: discovery requests	0.125	0.125	0.125	0.125	0.125	0.125
3/24/2016	Meeting with clients, Al Pak to debrief from PG&E Meeting and Review presentation materials for TURN/ORA Meeting	0.21	0.21	0.21	0.21	0.2	0.21
3/24/2016	Meeting with clients, Al Pak, TURN and ORA to discuss A4NR testimony	0.52	0.52	0.51	0.51	0.51	0.51
3/28/2016	Correspondence with clients, litigation team re: best evidence strategy, stator replacement project	0.03	0.03	0.05	0.03	0.03	0.03
3/29/2016	Correspondence with clients, litigation team re: tax v. regulatory depreciation, TURN perspective on load-following			0.02	0.02	0.03	
3/30/2016	Correspondence with clients re: State Lands Commission and new DCNPP lease, Friends of the Earth negotiations	0.07	0.07				
4/1/2016	Correspondence with CEC re: IBEW 1245	0.07					
4/2/2016	Correspondence with clients re: State Lands Commission and new DCNPP lease	0.02	0.02				

4/4/2016	Correspondence with clients, CEC re: IBEW 1245	0.07	0.07					
4/4/2016	Review PG&E redactions on load-following document and transmit comments to Al Pak	0.17	0.16					
4/5/2016	Attend State Lands Commission and make statement re: CEQA Review of new DCNPP lease	0.21	0.21	0.21	0.21	0.21	0.2	
4/5/2016	Phone call with Friends of the Earth re: GRC strategy	0.04	0.04					
4/5/2016	Correspondence with clients re: Environmental Progress nuclear operating subsidy strategy	0.02	0.03					
4/6/2016	Phone call with Friends of the Earth on GRC strategy	0.17	0.18					
4/6/2016	Phone call with CEERT on GRC strategy	0.08	0.08					
4/6/2016	Phone call with WBA on GRC strategy	0.05	0.05					
4/6/2016	Correspondence w: clients re: strategy calls with Friends of the Earth, CEERT, and WBA	0.11	0.11					
4/12/2016	Meeting with clients, litigation team re: line-by-line Review of A4NR testimony	0.74	0.74	0.74	0.74	0.73	0.73	
4/12/2016	Correspondence with clients re: CEQA Review logic and DCNPP new lease	0.015	0.015	0.015	0.015	0.015	0.015	
4/13/2016	Correspondence with clients re: DCNPP new lease	0.01	0.01					
4/14/2016	Correspondence with Al Pak re: testimony	0.01	0.01					
4/16/2016	Correspondence with clients, litigation team re: next steps on testimony		.					0.02
4/17/2016	Correspondence with clients, litigation team re: load-following in EU, Deutch/Moniz on load-following inadvisability, Sierra Club on CEQA Review of new DCNPP lease	0.04	0.04	0.04	0.04	0.03	0.03	
4/20/2016	Correspondence with clients re: PG&E support for employee volunteer work							0.05
4/22/2016	Correspondence with Al Pak re: tech specs on spent nuclear fuel pools							0.1
4/23/2016	Review and comment upon Al Pak Draft of Joint Comparison Exhibit	0.17	0.18	0.18	0.18	0.17	0.17	
4/26/2016	Meeting with litigation team to walk through A4NR testimony	0.91	0.92	0.92	0.92	0.91	0.92	
4/26/2016	Correspondence with Al Pak re: PG&E response to discovery request			0.03				
4/27/2016	Correspondence with clients, Al Pak re: stator workpapers, decommissioning cost estimates			0.03				0.16
4/28/2016	Correspondence with clients re: PG&E ex-employees cooperating with prosecutors							0.05
4/29/2016	Correspondence with clients re: PG&E ex-employees cooperating with prosecutors							0.02
5/1/2016	Correspondence with clients re: PG&E flex video	0.03	0.02					
5/2/2016	Correspondence with CEC re: PG&E acknowledged spent nuclear fuel transfer costs							0.1
5/13/2016	Correspondence with clients re: local community and DCNPP future	0.03	0.02					
5/14/2016	Correspondence with clients re: San Luis Obispo Mothers for Peace	0.01	0.01					
5/15/2016	Correspondence with Western Power Trading Forum re: DCNPP as load-following unit	0.125	0.125					
5/16/2016	Correspondence with clients re: national Sierra Club position on existing nuclear power plants	0.05	0.05					
5/19/2016	Correspondence with clients re: State Water Resources Control Board timeline for OTC decision, Diablo Canyon Independent Safety Committee process	0.015	0.015	0.015	0.015	0.015	0.015	
5/21/2016	Correspondence with clients re: new report on spent nuclear fuel transport issues							0.05
5/22/2016	Correspondence with clients, Al Pak re: additional hearing prep	0.015	0.025	0.015	0.015	0.015	0.015	
5/23/2016	Phone call with client and San Luis Obispo Tribune							
5/23/2016	Correspondence with clients re: IBEW 1245, Environmental Progress positions on DCNPP	0.06	0.06	0.06	0.06	0.06	0.05	
5/25/2016	Correspondence with clients re: balancing accounts, criminal prosecution, Environmental Progress	0.02	0.02	0.02	0.02	0.02	0.02	
5/26/2016	Correspondence with clients re: Picker letter	0.015	0.015	0.015	0.015	0.025	0.015	
5/27/2016	Review PG&E rebuttal testimony	0.16	0.17	0.17	0.17	0.17	0.16	

5/27/2016	Correspondence with clients, Al Pak re: PG&E rebuttal testimony, Picker letter, Gloge letter	0.015	0.015	0.015	0.015	0.025	0.015
5/28/2016	Correspondence with Al Pak re: PG&E rebuttal testimony	0.01	0.01				
5/30/2016	Correspondence with clients re: Environmental Progress letter to DCNPP employees	0.025	0.025	0.025	0.025	0.025	0.025
5/31/2016	Correspondence with clients re: new DCNPP lease, depreciation issue	0.02	0.02		0.1		
6/1/2016	Correspondence with CEC re: distinguishing DCNPP from nuclear-as-a-climate-weapon argument	0.015	0.015	0.015	0.015	0.025	0.015
6/1/2016	Correspondence with clients, Al Pak, TURN re: settlement	0.045	0.045	0.045	0.045	0.045	0.045
6/1/2016	phone call with TURN re: settlement	0.02	0.02	0.02	0.03	0.02	0.03
6/3/2016	Meeting with clients, litigation team re: witness preparation, settlement strategy	1.09	1.1	1.1	1.1	1.1	1.09
6/3/2016	Correspondence with clients re: IEPR workshop on DCNPP issues						0.02
6/4/2016	Correspondence with Al Pak re: briefing						0.03
6/5/2016	Correspondence with clients, Al Pak re: settlement strategy, NDCTP data responses, new DCNPP lease	0.03	0.04	0.04	0.04	0.04	0.04
6/5/2016	Correspondence with San Luis Obispo Mothers for Peace re: CEQA Review of new DCNPP lease	0.05	0.05				
6/6/2016	Correspondence with State Controller's Office re: spent nuclear fuel activities at DCNPP						0.03
6/6/2016	Correspondence with San Luis Obispo Mothers for Peace re: CEQA Review of new DCNPP lease	0.05	0.05				
6/6/2016	Correspondence with Al Pak re: comments on motion to exclude PG&E testimony	0.04	0.04	0.04	0.05	0.04	0.04
6/7/2016	Correspondence with clients, Al Pak re: motion to exclude PG&E testimony, criminal prosecution, depreciation issue, NRC end-of-cycle Meeting, settlement strategy	0.04	0.04	0.04	0.04	0.04	0.04
6/7/2016	Conference call with A4NR, PG&E, TURN, ORA on settlement	0.14	0.15	0.15	0.15	0.15	0.14
6/7/2016	Conference call with clients, Al Pak re: settlement strategy	0.1	0.11	0.11	0.11	0.11	0.11
6/7/2016	Draft memo to clients, Al Pak re: settlement strategy	0.23	0.24	0.24	0.24	0.24	0.23
6/8/2016	Correspondence with clients, Al Pak re: settlement strategy	0.23	0.24	0.24	0.24	0.24	0.24
6/9/2016	Correspondence with clients, Al Pak re: settlement strategy	0.075	0.075	0.075	0.075	0.075	0.075
6/10/2016	Review Dr. Robert Sewell tsunami risk report prepared for Diablo Canyon Independent Safety Committee	0.24	0.24			0.24	
6/10/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee	0.01	0.02			0.02	
6/13/2016	Correspondence with clients, Al Pak re: Friends of the Earth, school district financing, criminal proceeding, Diablo Canyon Independent Safety Committee	0.035	0.035	0.035	0.035	0.035	0.035
6/13/2016	Meeting with clients, Al Pak re: settlement strategy	0.64	0.64	0.64	0.64	0.64	0.64
6/14/2016	A4NR settlement negotiation with PG&E, TURN, ORA	0.9	0.9	0.91	0.91	0.9	0.9
6/14/2016	Correspondence with clients, Al Pak re: PG&E legal analysis	0.02	0.03	0.02	0.02	0.02	0.02
6/14/2016	research State Lands Commission CEQA/public trust requirements	0.38	0.39	0.39	0.39	0.39	0.38
6/15/2016	Correspondence with clients, Al Pak re: settlement strategy, new DCNPP lease	0.06	0.07	0.07	0.07	0.07	0.06
6/15/2016	Draft letter to State Lands Commission re: new DCNPP lease	0.645	0.645	0.645	0.645	0.645	0.645
6/15/2016	Draft comments on proposed settlement statement	0.11	0.11	0.12	0.12	0.11	0.11
6/16/2016	Correspondence with Al Pak re: Meeting						0.02
6/20/2016	Correspondence with clients re: Diablo Canyon Independent Safety Committee	0.02	0.03	0.02	0.02	0.03	0.02
6/20/2016	Travel from Bodega Bay to Avila Beach @ 1/2 hourly rate to Attend Diablo Canyon Independent Safety Committee	0.91	0.91	0.91	0.91	0.93	0.93
6/21/2016	Attend Diablo Canyon Independent Safety Committee Meeting and discuss load-following, tsunami risk analysis, and spent nuclear fuel issues	1.83	1.83	1.83	1.83	1.84	1.84
6/21/2016	Correspondence with clients, Al Pak re: briefing schedule options						0.12
6/22/2016	Travel from Avila Beach to Bodega Bay @ 1/2 hourly rate after Diablo Canyon Independent Safety Committee Meeting	0.87	0.87	0.87	0.87	0.885	0.885

6/24/2016	Correspondence with clients re: Bob Budnitz comments at Diablo Canyon Independent Safety Committee on employee retention										0.02
6/24/2016	Correspondence with Al Pak re:D.16-06-059/I.12-10-013 guidance on intervenor comp										
7/1/2016	Review settlement term sheets and email comments to clients, Al Pak	.08.	0.09	0.09	0.09	0.09	0.09				
7/1/2016	Review briefing memo on settlement call and email comments to clients, Al Pak	0.015	0.015	0.015	0.025	0.015	0.015				
7/7/2016	Correspondence with clients re: Bob Budnitz										0.02
7/12/2016	Correspondence with clients, Al Pak re: settlement scheduling considerations										0.03
7/20/2016	Correspondence with clients, Al Pak re: TURN suggested language change										0.05
7/21/2016	Correspondence with clients, Al Pak re: limited scope of A4NR settlement options on non-DCNPP issues										0.1
7/26/2016	Correspondence with clients, Al Pak re: joining TURN in opposing third attrition year										0.05
7/29/2016	Correspondence with clients, Al Pak re: third attrition year, additional settlement issues										0.03
8/7/2016	Correspondence with clients, Al Pak re: timeframe for Drafting comments on joint settlement proposal										0.02
8/11/2016	Correspondence with clients, Al Pak re: hearings on joint settlement proposal										0.05
8/15/2016	Correspondence with clients, Al Pak re: filing comments on joint settlement proposal										0.03
8/16/2016	Review Draft A4NR comments on joint settlement proposal	0.04	0.05	0.05	0.05	0.04	0.05				
8/17/2016	Correspondence with clients, Al Pak re: A4NR Comments on Joint Settlement Proposal										0.02
8/22/2016	Correspondence with clients, Al Pak re: whether to submit Reply Comments on Joint Settlement Proposal	0.015	0.015	0.015	0.025	0.015	0.015				
8/30/2016	Attend and participate in workshop on Joint Settlement Proposal	0.41	0.42	0.42	0.42	0.41	0.42				
11/7/2016	Correspondence with clients, Al Pak re: participation in Energy Division workshop on changing GRCs to 4-year cycle										0.03
3/1/2017	Correspondence with clients, Al Pak re: whether to submit comments on PD										0.03
3/3/2017	Correspondence with clients, Al Pak re: whether to submit comments on PD										0.05
3/5/2017	Correspondence with clients, Al Pak re: whether to submit comments on PD										0.1
3/15/2017	Correspondence with clients, Al Pak re: A4NR's response to PG&E concerns with PD										0.37
3/16/2017	Correspondence with clients, Al Pak re: A4NR's comments on PD										0.12
3/18/2017	Correspondence with clients, Al Pak re: A4NR's comments on PD										0.06
3/20/2017	Correspondence with clients, Al Pak re: 3rd attrition year, advisability of filing Reply Comments on PD										0.03
3/21/2017	Correspondence with clients re: 3rd attrition year										0.03
3/23/2017	Review edit Draft comments on 3rd attrition year as it relates to DCNPP										0.24
3/30/2017	Correspondence with clients, Al Pak re: cost of capital informational request from ALJ										0.03
4/14/2017	Correspondence with clients, Al Pak re: PG&E-scheduled strategy call on joint comments										0.04
5/10/2017	Correspondence with clients, Al Pak re: ALJ request for information #5										0.02

Totals for John Geesman (including transfers from R.14-02-001 per D.16-01-053): 93.94 90.53 28.865 29.46 39.1 41.465 0.48 0.18 8.55

Travel Hours: 41.75

Time Sheet Records for Rochelle Becker, Advocate and Expert Policy and Regulatory Witness for A4NR										
Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
2/14/2014	Review Geesman Email for intervention in case (hours transferred based on D.16-01-033)	0.04	0.04							
2/26/2014	Review Geesman case strategy (hours transferred based on D.16-01-033)	0.025	0.025							
3/3/2014	Correspondence with clients re: flexible capacity payments and Exelon pricing strategy (hours transferred based on D.16-01-033)		0.03							
3/25/2014	Review Geesman email re: PG&E responses to data requests (hours transferred based on D.16-01-033)	0.01	0.01							
4/2/2014	TRAVEL from SLO to SJC for San Francisco Meeting									1.5
4/3/2014	Meeting with Geesman, UCS expert Lochbaum, and Energy Division staff on DCNPP load following (hours transferred based on D.16-01-033)	0.585	0.585							
4/4/2014	TRAVEL flight from SJC to SAN									1.5
4/10/2014	Email guidance on video excerpts of DCISC to Geesman, edit video (hours transferred based on D.16-01-033)	0.25	0.25							
4/16/2014	TRAVEL from SLO to San Jose for San Francisco Meeting									4.0
4/17/2014	Meet with Geesman and discuss case strategy re: DCNPP load following, qualification as flexible capacity (hours transferred based on D.16-01-033)	0.725	0.725							
4/17/2014	Attend PHC (hours transferred based on D.16-01-033)	0.835	0.835							
4/17/2014	Review Geesman Motion to Compel discovery (hours transferred based on D.16-01-033)	0.02	0.02							
4/17/2014	TRAVEL from San Jose to SLO from San Francisco Meeting									4.0
4/29/2014	Review Geesman Email re: PG&E discovery dispute (hours transferred based on D.16-01-033)	0.03	0.03							
5/13/2014	TRAVEL flight from SAN to SFO									1.5
5/13/2014	Attend CPUC Workshop B (hours transferred based on D.16-01-033)	2.0	2.0							
5/13/2014	TRAVEL flight from SFO to SAN									1.5
5/21/2014	Review Geesman Email re: Scoping Memo, discovery issues, and eliciting NRC views on DCNPP load-following (hours transferred based on D.16-01-033)	0.01	0.01							
5/22/2014	Review Geesman Email re: potential overlap between Mangano concerns and operating DCNPP on load-following basis (hours transferred based on D.16-01-033)	0.01	0.01							
5/30/2014	Review Geesman Email re: Diablo Canyon Independent Safety Committee and load-following information (hours transferred based on D.16-01-033)	0.02	0.01							
6/3/2014	Review Geesman Email re: Public Records Act request to DCISC (hours transferred based on D.16-01-033)	0.01	0.01							
6/4/2014	Review Geesman Email re: Carl Pope column, ISO duck chart load-following implications (hours transferred based on D.16-01-033)	0.01	0.01							
6/5/2014	Review Geesman Email re: NRC written summary of SLO meeting (hours transferred based on D.16-01-033)	0.02	0.02							
6/11/2014	Review Geesman Email re: DCISC load-following information (hours transferred based on D.16-01-033)	0.01	0.01							
6/25/2014	Review Geesman Email re: DCISC response to Public Records Act request for load-following information (hours transferred based on D.16-01-033)	0.02	0.02							
7/1/2014	Review Geesman Email re: latest data request to PG&E (hours transferred based on D.16-01-033)	0.01	0.01							
7/15/2014	Review Geesman Email re: PG&E response to latest data request (hours transferred based on D.16-01-033)	0.01	0.01							
7/24/2014	Review Geesman Emails re: load-following experience and Columbia nuclear plant in Washington state (hours transferred based on D.16-01-033)	0.015	0.015							
7/29/2014	Review Geesman Email re: CEC workshop on reliability in Southern California and DCNPP ramifications (hours transferred based on D.16-01-033)	0.01	0.01							

8/5/2014	Review Geesman Email re: Helms and DCNPP load-following (hours transferred based on D.16-01-033)	0.02	0.02					
8/19/2014	Review Geesman Email re: potential role for Al Pak (hours transferred based on D.16-01-033)	0.01	0.01					
9/26/2014	Review Geesman Email re: UBS analysis of "carbon bomb" and nuclear (hours transferred based on D.16-01-033)	0.02	0.02					
10/6/2014	Review Geesman Email re: transcript of NRC end-of-cycle Meeting at DCNPP (hours transferred based on D.16-01-033)	0.01	0.01					
10/7/2014	Review Geesman Email re: transcript of NRC end-of-cycle Meeting at DCNPP (hours transferred based on D.16-01-033)	0.01	0.01					
10/9/2014	Review Geesman Email re: TURN request on Comments (hours transferred based on D.16-01-033)	0.01	0.01					
10/29/2014	Review Geesman comments on CPUC staff report and ORA report	0.25	0.25					
10/29/2014	Review Geesman Email re: ORA report on retirement risk (hours transferred based on D.16-01-033)	0.01	0.01					
12/8/2014	Review Geesman Email re: Joint PHC with RA proceeding (hours transferred based on D.16-01-033)	0.01	0.01					
1/6/2015	Review Geesman Emails re: participation of Al Pak							0.02
1/7/2015	Review Geesman Emails re: meaning of Gov. Brown's 50% renewables target (hours transferred based on D.16-01-033)	0.01	0.01					
1/12/2015	Review Geesman Emails re: load-following in CEC IEPR process (hours transferred based on D.16-01-033)	0.015	0.015					
1/17/2015	Meet with attorney to discuss GRC Diablo issues and possible legal team							1.0
1/19/2015	Review Geesman Email re: status of DCNPP in ISO Transmission Plan (hours transferred based on D.16-01-033)	0.025	0.025					
1/22/2015	Email A4NR staff and possible expert on aging plant issues							0.1
1/26/2015	Review ALJ ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.125	0.125					
1/27/2015	Review Geesman Email re: ALJ ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.02	0.01					
2/5/2015	Review Geesman email re: CPUC initial response to Public Records Act request (hours transferred based on D.16-01-033)	0.025	0.025					
2/12/2015	Review Geesman Email re: NRC "white" finding regarding omission of ocean from Emergency Response Plan, meeting with Al Pak	0.1	0.1				0.03	
2/13/2015	Review Geesman Email re: "white" finding, meeting with Al Pak	0.01	0.01				0.01	0.01
2/18/2015	Review Geesman Email re: meeting with Al Pak							0.03
2/22/2015	Review PG&E errata RE: Diablo Continued operation risks and reliability	0.15	0.15					
2/22/2015	Review updated testimony PG&E various witnesses related to DCNPP	0.15	0.15					
2/24/2015	Review Geesman Email re: meeting with Al Pak							0.01
3/5/2015	TRAVEL flight to SAC to meet legal team							2.0
3/6/2015	Meet with CalPLG re: GRC legal representation with Geesman/Pak							2.0
3/6/2015	TRAVEL flight from SAC back to SLO							2.0
3/10/2015	Review PG&E notice to NRC re: status of license renewal vs GRC							0.15
3/11/2015	Review Geesman Email re: ORA position on retirements (hours transferred based on D.16-01-033)	0.01	0.01					
3/16/2015	Review Geesman Email re: renewable curtailments inference in Picker-Weisenmiller op-ed (hours transferred based on D.16-01-033)	0.01	0.01					
3/22/2015	Review Geesman Email re: documents to send to Al Pak	0.015	0.015					
4/16/2015	Review Geesman Email re: DCNPP spent nuclear fuel issues in next GRC							0.02
4/30/2015	Review Geesman Email re: relicensing costs as potential \$85 million GRC issue		0.02				0.02	
5/7/2015	Review Geesman Email re: video on Humboldt Bay original cost estimates as DCNPP benchmark	0.01	0.01	0.01	0.01	0.01	0.01	
5/9/2015	Review Geesman Email re: potential economist expert witness		0.02				0.02	
5/10/2015	Review Geesman Email re: potential CO2 analysis for GRC	0.03	0.03					0.01

5/10/2015	Review DCNPP inspection document from NRC	0.02	0.02	0.02	0.02	0.02
5/23/2015	Review Geesman Email re: DCNPP desalination proposal	0.03	0.03	0.03		
6/4/2015	Review Geesman Email re: DCNPP desalination proposal	0.01	0.01	0.01		
6/8/2015	Review Geesman Email re: DCNPP cask loading errors				0.03	
6/9/2015	Review Geesman Email re: DCNPP desalination proposal	0.02	0.02	0.02		
6/10/2015	Review Geesman Email re: DCNPP cask loading errors				0.03	
6/17/2015	Review Geesman Email re: potential economist expert witness		0.01	0.01		
6/18/2015	Review Geesman Email re: DCNPP cask loading errors, financial analysis of PGC stock		0.01	0.01	0.01	
6/20/2015	Review Geesman Email re: DCNPP desalination cost numbers	0.02	0.02	0.02		
6/25/2015	Review Geesman Email re: need for expert witnesses					0.02
6/25/2015	met with attorney to discuss upcoming GRC issues	0.2	0.2	0.2	0.2	
6/25/2015	Review Geesman Email re: need for expert witnesses					0.02
6/26/2015	Review Geesman Email re: potential expert witness, role of relicensing costs and seismic issues in GRC		0.01	0.01	0.02	0.01
6/29/2015	Review Geesman Email re: Al Pak retainer agreement, DCNPP nozzle problem	0.02	0.03			
6/30/2015	Review Geesman Email re: role of CCC and County in NEPA scoping of relicensing	0.02				
7/1/2015	Review NRC Notice of intent to reinitiate scoping process for EIS on relicensing	0.05				
7/2/2015	Review Geesman Email re: NRC scoping session for EIS on relicensing	0.02				
7/3/2015	Review Geesman Email re: Calvert screening criteria for social investment		0.02	0.02		
7/4/2015	Review Geesman Email re: impact of CPUC rate design on DCNPP		0.03			
7/11/2015	Review Geesman Email re: source of funds for PG&E relicensing efforts		0.02			
7/14/2015	Review Geesman Email re: NRC scoping session, Tom Dalzell video	0.15				
7/15/2015	Review Geesman Email re: Dalzell video, NRC waiver on PG&E expedited seismic evaluation	0.02			0.02	
7/16/2015	Review Geesman Email re: DCNPP Plant Betterment study	0.03	0.03	0.03	0.03	0.03
7/30/2015	Email Review of and approval for NOI					0.25
8/11/2015	Review Geesman Email re: implications of Kewaunee closure		0.01	0.01		
8/18/2015	Review NRC DCNPP inspection report					0.25
8/18/2015	Review Geesman Email re: latest NRC DCNPP inspection report	0.01				
8/19/2015	Review letter from PG&E to CPUC re: safety intervenor in relation to GRC Diablo issues					0.2
8/21/2015	Review Geesman Email re: requiring PG&E to segregate DCNPP revenue requirement using SONGS OII template		0.05			
8/23/2015	Review Geesman Email re: DCNPP desalination proposal	0.01	0.01	0.01		
8/25/2015	Review Geesman Email re: renewables required to replace DCNPP	0.01	0.01			
8/25/2015	Review NRC notice on nozzle problems at DC for GRC prep - age related costs					0.1
8/25/2015	Review Geesman Email re: renewables required to replace DCNPP	0.01	0.01			
8/27/2015	Review Geesman Email re: INPO downgrade of DCNPP	0.08	0.08			
8/28/2015	Review Geesman Email re: Florio comments on PG&E and safety investigation	0.01	0.01			
8/31/2015	Review Geesman Email re: DCNPP designation as flexible capacity	0.02	0.02			
8/31/2015	Review Email re: CAISO Flex operation at DC					0.1
9/1/2015	Emails attorney-staff and Coastal Commission (8)					0.15
9/1/2015	Read PG&E testimony		0.5	0.5	0.5	0.2
9/1/2015	Review attorney-staff Emails (11) reviewing PG&E testimony issues on Diablo cost/reliability to challenge					0.15
9/2/2015	Review attorney-staff Emails (5) (plan for legal team meeting)					0.1
9/15/2015	TRAVEL from SLO to SAC for team conference					5.0

9/16/2015	Meet with CAL PLG team in Sacramento; outline and strategy session	0.89	0.89	0.87	0.89	0.87	0.89
9/17/2015	TRAVEL from SAC to SLO return from legal team conference						5.0
9/17/2015	Review attorney-staff Emails (7) re: Review of documents in GRC						0.07
9/18/2015	Review Geesman Email re: assigned ALJ						0.01
9/21/2015	Review Geesman Email clients re: costs of DCNPP info center						0.01
9/22/2015	Emails from Al Pak to set up pre-meeting and prepare for GRC workshop/meeting 9/28						0.01
9/23/2015	Review Geesman Email re: Friends of the Earth and need for DCNPP	0.01	0.01				
9/25/2015	Emails to attorney: prep for meet on 9/28 to discuss possible issues and experts						0.1
9/28/2015	TRAVEL from SLO to SAC for legal team meeting						5.0
9/28/2017	Client Meeting: Rochelle Becker, John Geesman, David Weisman, Al Pak, Gwenn O'Hara, Meghan Cox -- Discuss PG&E GRC workshop issues and participation	0.3	0.3	0.3	0.3		2.8
9/29/2015	Attend PG&E GRC Workshop						4.5
9/29/2015	Emails to attorney, experts, staff (7) re: stator issues			0.15			
9/29/2015	TRAVEL from San Francisco to SLO from GRC workshop						5.0
10/1/2015	Email to attorneys and staff re: meeting and workshop Review - Motion to intervene						0.15
10/5/2015	Email to attorneys and staff re: Review draft Motion to Intervene						0.5
10/5/2015	Review attorney-staff Emails (2) re filing GRC issues						0.07
10/5/2015	Email Rochelle Becker expert re: review GRC tech issues						0.03
10/11/2015	Review attorney-staff Emails (11) re: Review data requests						0.15
10/14/2015	Emails to Pak re: PG&E Data Responses						0.15
10/14/2015	Email from expert re: Review of PG&E response to A4NR DR						0.1
10/16/2015	Email Pak re: license renewal status						0.07
10/16/2015	Review Geesman Email re: DCNPP GRC issues overlapping with CEC IEPR and Diablo Canyon Independent Safety Committee	0.01	0.02	0.02	0.01	0.01	0.01
10/19/2015	Review Geesman Email re: Diablo Canyon Independent Safety Committee and load-following information (hours transferred based on D.16-01-033)	0.01	0.01			0.01	
10/21/2015	Review Geesman Email re: DCNPP refueling						0.02
10/23/2015	Review Geesman Email re: DCNPP and SB 350, CEC amicus brief, NRC no-significant-impact paper on ISFSI	0.02	0.02				0.1
10/23/2015	Email expert re review of A4NR expert summary of testimony						0.2
10/23/2015	Review PG&E's prehearing statement	0.1	0.1	0.05	0.1		
10/26/2015	Review Geesman Email re: PG&E victory at ASLB, pictures of rubble from transformer explosion	0.01	0.01				
10/27/2015	Review Geesman Email re: litigation team re: DCNPP economics, Sam Blakeslee assessment PG&E responses to NRC requests for additional information	0.01	0.01			0.03	
10/28/2015	Search Environmental Defense Fund filing for nuclear related issues						0.07
10/28/2015	TRAVEL SAN-SFO for meeting with TURN						1.5
10/29/2015	Meeting with TURN to coordinate participation and address potential duplication of effort in rate case	0.2	0.5	0.7	0.5	0.5	0.4
10/29/2015	Attend A.15-09-001 Prehearing Conference						2.5
10/30/2015	TRAVEL SFO-SAN return from PHC						1.5
10/30/2015	Teleconference with Friends of the Earth to coordinate participation and address potential duplication of effort in rate case -- post-conference internal meeting	0.2	0.2	0.2	0.2	0.2	
10/30/2015	Review attorney-staff emails (8) to plan logistics for teleconference						1.0
10/30/2015	Teleconference with A4NR team to discuss Friends of the Earth discussion						0.3
11/1/2015	Review Geesman Email to litigation team re: motion to compel discovery, comments on Draft 2015 IEPR	0.01	0.01	0.01	0.01	0.01	0.01
11/2/2015	Teleconference with PG&E re discovery/scope issues			0.5	0.5		

11/3/2015	Review Geesman Email re: request to Cal. Geological Service for DCNPP observation points ESTA 27 and 28						0.02
11/3/2015	Review and distribute article Fitzpatrick closure impacts						0.05
11/4/2015	Review Geesman Email re: Sam Blakeslee Review of PG&E responses to NRC requests for additional seismic information					0.15	
11/4/2015	Review Emails from attorneys-staff (11) re: summary/Review scope/issues proceeding						0.4
11/5/2015	Review Geesman Emails to litigation team re: PG&E-proposed Non-Disclosure Agreement						0.1
11/6/2015	Review Geesman Email to litigation team re: NDA, financial hardship, prior Bushey requests for articles and bylaws, NOI contents						0.2
11/7/2015	Review Geesman Email to litigation team re: data requests, potential meetings with TURN, ORA	0.01	0.01				
11/7/2015	Review emails from attorneys-staff (9) re: re: NDA and data requests						0.25
11/10/2015	Emails Rochelle Becker expert re: re: data response and advice re next steps						0.05
11/10/2015	Review Geesman Email re: litigation team re: ex parte notices, potential meeting with ORA	0.01	0.01			0.1	
11/11/2015	Review Email from attorneys-staff re: possible issues document						0.1
11/11/2015	Emails to attorney and staff re: Review of data responses						0.2
11/12/2015	Review NOI claim for A4NR participation in GRC						0.35
11/13/2015	Review Geesman Emails re: DCNPP aspects of CPUC workshop on SB 350 implementation						0.04
11/14/2015	Review Geesman Email re: PG&E comments on Draft 2015 IEPR	0.01	0.01	0.01	0.01	0.01	0.01
11/14/2015	Review Emails from attorneys-staff (7) re: conference call with attorneys on Diablo issues within scoping						0.25
11/14/2015	Review SF Gate article questioning License Renewal for Diablo						0.02
11/15/2015	Emails attorney/expert (5) re: advice on data responses, especially stator replacement for aging units			0.1			0.1
11/16/2015	Review Geesman Emails re: Hosgri Fault/Loss of Coolant Accident analysis		0.01			0.01	
11/18/2015	Review Geesman Email re: Dr. Peck's view of Hosgri Fault/Loss of Coolant Accident analysis					0.02	
11/19/2015	Review NEI workshop on looming challenges						0.25
11/20/2015	Email Review of a4nr attorney list of issues/evidence						0.35
11/20/2015	Emails to Pak and A4NR team re: meetings with TURN ORA						0.2
11/21/2015	Email to Pak re: A4NR team cost comparisons						0.1
11/27/2015	Review Geesman Email to clients and litigation team re: rationale for CPUC cut in substation security project		0.02				
12/1/2015	Read Utility Drive article re: Diablo future						0.04
12/1/2015	Review PG&E's Testimony 12/1/15 Ch. 5 Energy Supply	0.1	0.2	0.2		0.1	
12/15/2015	Email A4NR team re: stator used or new		0.15				
12/30/2015	Read article on closure Nebraska reactors and impacts	0.15					0.15
1/8/2016	Review evidentiary record and A4NR testimony with A4NR team (agreement on A4NR recommendations)	1.0	1.7	0.9	0.9	0.5	0.5
1/9/2016	Email to nuclear engineer Richard Hubbard to Review PG&E's case	0.25					
1/11/2016	Review PG&E meeting doc re: Tier 3 Advice letter and A4NR recommends	0.5					
1/12/2016	CPUC conference call re: Public Participation Hearing schedule and locations						0.9
1/14/2016	Review recap of Public Participation Hearing schedule created on 1/12/16						0.15
1/14/2016	Review NRC letter re: greenhouse gas-free power replacement for Diablo						0.1
1/14/2016	Emails to A4NR team re: witness/experts on Diablo issues in GRC						0.15
1/15/2016	Review of NRC notice to licensees re: future plans for NRC actions	0.1					0.1
1/17/2016	Review 10-01-022 PG&E Reply in license renewal proceeding	0.3	0.5	0.3		0.25	

1/19/2016	Meeting with Geesman at Governor's office re: DCNPP leases	0.34	0.33					
1/19/2016	Meeting with Geesman at State Controller's office re: DCNPP leases	0.29	0.29					
1/19/2016	Meeting with Geesman at Lt. Governor's office re: DCNPP leases	0.25	0.25					
1/19/2016	Meeting with Geesman at Department of Finance re: DCNPP leases	0.13	0.12					
1/25/2016	Email to nuclear expert for possible witness on Diablo issues in GRC							0.15
1/29/2016	Review Geesman Email to litigation team re: new DCNPP lease, Diablo Canyon Independent safety Committee, CEC IEPR content, NRC requests for additional information, Environmental Progress	0.1	0.1	0.09	0.09	0.09	0.09	
2/3/2016	Meeting with Geesman to Review GRC-related issues coming before Diablo Canyon Independent Safety Committee	0.25	0.25	0.25	0.25	0.25	0.25	
2/8/2016	Email A4NR team re: review and discuss by Email PG&E data response							0.65
2/8/2016	Email staff, Rochelle Becker and attorney re: NRC/PG&E replacement issues document							0.07
2/9/2016	Review, edit and comments on draft Geesman testimony		0.25	0.25	0.25	0.25	0.25	
2/13/2016	Review Geesman Email re: Harvey Wasserman re: role of State Lands Commission in DCNPP future	0.01	0.01	0.01	0.01	0.01	0.01	
2/15/2016	Review Geesman Email re: Karlin call, Diablo Canyon Independent Safety Committee	0.01	0.01	0.01	0.01	0.01	0.01	
2/16/2016	Review Geesman Emails re: Diablo Canyon Independent Safety Committee	0.01	0.01	0.01	0.01	0.01	0.01	
2/17/2016	Review PG&E data response to A4NR re:2015 PP SED safety issues							0.15
2/17/2016	Review Geesman Email re: Environmental Progress message	0.01	0.01	0.01	0.01	0.01		
2/18/2016	Review Geesman Email re: industry soundbites	0.01	0.01					
2/18/2016	Emails from attorney-staff (3) re: draft testimony/tactics							0.15
2/22/2016	Review draft A4NR testimony	0.25	0.5	0.5	0.5	0.5	0.5	
2/22/2016	Review Geesman Email re: rebutting Environmental Progress	0.01	0.01	0.01	0.01	0.01		
2/23/2016	Review Geesman Email to Al Pak re: Exelon downgrade, strategy for testimony, Environmental Progress	0.01	0.01	0.01	0.01	0.01	0.01	
2/24/2016	Review Geesman Email re: DCNPP desalination proposal	0.01	0.01					
2/24/2016	Review Emails notes on draft Geesman testimony							0.3
2/26/2016	Review Geesman Email re: Mothers for Diablo Canyon	0.01	0.01					
2/27/2016	Review Geesman Email re: Dr. Peck and Diablo Canyon Independent Safety Committee						0.02	
2/29/2016	Review Geesman Email re: Diablo Canyon Independent Safety Committee						0.01	
2/29/2016	Review PG&E Errata -- search for Diablo issues							0.05
2/29/2016	Review Email from Pak to expert re: ASME issues in GRC							0.2
3/1/2016	Review Geesman Email re: DCISC, UCS expert Dave Lochbaum's take on NRC weld inspection variance for DCNPP	0.03	0.02					
3/2/2016	Review Geesman Email re: Diablo Canyon Independent Safety Committee						0.01	
3/2/2016	Review NRC end-of-cycle review letter to Halpin at Diablo	0.2						0.2
3/2/2016	Review draft Testimony before group strategy conference call		0.25	0.5	0.5	0.5	0.5	
3/2/2016	Conference call with team in Sacramento (first meeting with Rick Wolfe)	0.5	1	2.5	0.5	0.5	1	
3/3/2016	Review Geesman Email re: INPO downgrade of DCNPP	0.01						
3/4/2016	Review Geesman Email re: draft testimony, depreciation issue	0.01	0.01	0.01	0.01	0.01	0.02	
3/6/2016	Review Geesman Email clients re: delay in PG&E criminal trial	0.01	0.01	0.01	0.01	0.01	0.01	
3/6/2016	Review CPUC Safety Enforcement Division report on safety							0.35
3/13/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease	0.01						
3/14/2016	Emails from attorneys-staff re: NRC documents for GRC use							0.15
3/14/2016	Email A4NR team revised testimony edits	0.1	0.1	0.1	0.1	0.1	0.1	
3/14/2016	CPUC Letter from Executive Director Sullivan granting PG&E's extension	0.1						0.1

3/14/2016	Email Review of PG&E-A4NR attorney meeting and new data requests	0.4						0.4
3/14/2016	Email re Public Participation Hearing schedule re: Review and calendar Public Participation Hearing schedule	0.05						0.05
3/16/2016	Review PG&E LAR to the NRC on ECCC							0.25
3/17/2016	Review CPUC Decision on Final Decision date							0.2
3/18/2016	Email from Pak re: edits workpapers review finalizing							0.2
3/22/2016	Email review and comment on summary of ORA/TURN PG&E 4th year proposals						0.3	
3/24/2016	Email re: PG&E Motion to extend	0.05						
3/24/2016	Review A4NR draft showing and testimony summary	0.1	0.1	0.1	0.05	0.05	0.05	
3/24/2016	TRAVEL SAN to SFO for SED Workshop							1.5
3/25/2016	CPUC SED Workshop on Risk Assessments		1.5					
3/27/2016	TRAVEL From SFO to SAN return from SED Workshop							1.5
3/27/2016	Emails from attorneys-CALPLG staff (8) re: A4NR draft testimony	0.1	0.2	0.1	0.1			
3/28/2016	Email A4NR/PG&E attorneys re: data requests							0.1
3/28/2016	Review A4NR draft testimony	0.25	0.25	0.25	0.25	0.25	0.25	
3/28/2016	Review Geesman Email re: best evidence strategy, stator replacement project	0.01	0.01	0.01	0.01	0.01	0.01	
3/29/2016	Review Geesman Email re: tax v. regulatory depreciation, TURN perspective on load-following			0.01	0.02			
3/30/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease, Friends of the Earth negotiations	0.05	0.05					
4/1/2016	Email chain A4NR team re: data responses from PG&E							0.12
4/2/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease	0.01	0.01					
4/2/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease	0.01	0.01					
4/6/2016	Email chain A4NR team re: dates of Public Participation Hearing schedule							0.1
4/8/2016	Emails A4NR team strategy GRC							0.15
4/8/2016	Review relevant ORA Testimony exhibits on PG&E operations							0.5
4/11/2016	TRAVEL from SLO to SF for settlement conference							4.0
4/11/2016	Email ORA Motion to Extend							0.05
4/11/2016	Review ORA workpapers	0.1	0.2	0.2				
4/12/2016	Review ORA workpapers safety/risk		0.6					
4/12/2016	Conference to prepare witnesses with CalPLG in San Francisco	1	0.5	1	0.5	0.5	0.5	
4/12/2016	Review A4NR Data Request #8			0.25				
4/12/2016	Review Geesman Email re: CEQA Review logic and DCNPP new lease	0.01	0.01	0.01	0.01	0.01	0.01	
4/13/2016	Review Geesman Email re: DCNPP new lease	0.01	0.01					
4/13/2016	TRAVEL FROM SF TO SLO from settlement conference							4.0
4/16/2016	Review Geesman Email to litigation team re: next steps on testimony							0.02
4/17/2016	Review Geesman Email re: load-following in EU, Deutch/Moniz on load-following inadvisability, Sierra Club on CEQA Review of new DCNPP lease	0.01	0.01	0.01	0.01	0.01	0.01	
4/18/2016	Review ORA testimony and workpapers	0.35						
4/21/2016	Review PG&E's issues by work category for Diablo expenses	0.1	0.1	0.05	0.05	0.1	0.05	
4/25/2016	Review ORA and PG&E Reply re Contested Issues	0.25						0.25
4/26/2016	Review Emails, data responses and testimony A4NR	0.4	0.2	0.2				
4/27/2016	Email Review by A4NR attorney/expert re: PG&E data response.	0.2	0.2					
4/27/2016	Review and edit and approve testimony of Geesman for A4NR	0.2						
4/27/2016	Review Geesman testimony, comparison and exhibits to Review	0.2	0.25		0.2	0.2	0.2	
4/29/2016	Review + approve Rochelle Becker Testimony	0.2	0.3		0.2			
4/29/2016	Review A4NR workpapers - Emails from team							0.3
4/29/2016	Review TURN Yap testimony- only nuclear issues reviewed							0.5
4/29/2016	Review Diablo related sections of Marcus TURN testimony	0.15	0.1	0.25	0.1			

4/29/2016	Review CUE testimony & exhibits	0.25	0.25	0.25	0.25	0.25	0.25
5/2/2016	Review TURN various testimony and exhibits	0.6					
5/11/2016	Review ALJ Public Participation Hearing schedule	0.1					
5/13/2016	Review Geesman Email re: local community and DCNPP future	0.02	0.02				
5/14/2016	Review Geesman Email re: San Luis Obispo Mothers for Peace	0.01	0.01				
5/16/2016	Review Geesman Email re: national Sierra Club position on existing nuclear power plants	0.02	0.02				
5/19/2016	Review Geesman Email re: State Water Resources Control Board timeline for OTC decision, DCISC process	0.01	0.01	0.01	0.01	0.01	0.01
5/21/2016	Review Geesman Email re: new report on spent nuclear fuel transport issues					0.03	
5/22/2016	Review Geesman Email to Al Pak re: additional hearing prep	0.01	0.01	0.01	0.01	0.01	0.01
5/23/2016	Review Geesman Email re: IBEW 1245, Environmental Progress positions on DCNPP	0.03	0.03	0.03	0.03	0.02	0.03
5/25/2016	Review Geesman Email re: balancing accounts, criminal prosecution, Environmental Progress	0.01	0.01	0.01	0.01	0.01	0.01
5/26/2016	Review Geesman Email re: Picker letter	0.01	0.01	0.01	0.01	0.01	0.01
5/27/2016	Review PG&E/CUE Rebuttal Testimony						0.85
6/1/2016	Review & comment by Email A4NR cross-examination possibilities	0.55					
6/3/2016	Review TURN Marcus testimony-nuclear issues	0.75					
6/3/2016	Review PG&E Errata-nuclear issues	0.5					
6/4/2016	Review strategy in Email with A4NR team in wake of Motions to Delay	0.25					
6/7/2016	Emails (8) from attorney-expert staff-strategy of settlement/hearings	0.6					
6/7/2016	Review PG&E Harbor/Maggard exhibits	0.9					
6/7/2017	Teleconference with ORA/TURN/PG&E re settlement						1.0
6/7/2016	Conference call with attorneys re: settlement options	0.1	0.11	0.11	0.11	0.11	0.11
6/8/2016	Email to Pak et al re: settlement offers						0.5
6/8/2016	Review Motion to exclude PG&E testimony on license renewal	0.25					
6/8/2016	Review PG&E testimony-Nuclear related Harbor/Maggard testimony exhibits	1.25					
6/9/2016	Review Geesman Email to Al Pak re: settlement strategy	0.03	0.03	0.03	0.03	0.03	0.03
6/12/2016	TRAVEL from SLO to SF for settlement conference						4.0
6/13/2017	team meeting to discuss settlement options	0.4	0.4	0.4	0.4	0.4	0.4
6/14/2016	Settlement meetings with PG&E, TURN and ORA	2	0.5	1	0.5	0.5	1.5
6/15/2016	Email to/from Al Pak and Geesman and Becker Review settlement offer	0.2	0.2	0.2	0.2	0.2	0.2
6/16/2016	Settlement meetings with PG&E, TURN and ORA	2	0.5	1	0.5	0.5	1.5
6/17/2016	Email and Review settlement proposal	0.15	0.1	0.15	0.1	0.1	0.15
6/16/2016	TRAVEL SF to SAN from settlement conferences						1.5
6/17/2016	Review PG&E Email to ALJ for extension of schedule						0.05
6/17/2016	Review CUE Errata Marcus						0.3
6/17/2016	Review PG&E's statement on A4NR GRC recommendations						0.25
6/20/2016	Review ALJ schedule ruling and questions						0.05
6/20/2016	Review motion filed by PG&E TURN ORA to extend GRC schedule						0.15
6/20/2016	Review A4NR Reply to TURN PG&E ORA Motion to extend schedule						0.02
6/21/2016	Emails PG&E A4NR attorney/ Rochelle Becker time estimates for GRC cross						0.05
6/21/2016	ALJ Email re: new schedule for availability witnesses, expert						0.05
6/23/2016	Email attorney-staff re: safety issues in GRC settlement						0.1
6/23/2016	Review PG&E ex parte communication						0.1
6/23/2016	Review revised scoping schedule						0.15
6/24/2016	PG&E Response to A4NR Motion re: schedule delays						0.15
6/29/2017	Review draft settlement with PG&E of A4NR issues in GRC						0.25
7/1/2016	Email attorneys-staff re update term sheets	0.45					
7/7/2016	Email attorneys-staff re GRC settlement	0.25					

7/8/2016	GRC Settlement Conference Call with GRC Parties re settlement							1.1
7/8/2016	Review Pak Email to A4NR team re summary of GRC Settlement Conference Call							1.0
7/12/2016	GRC Settlement Conference Call with GRC Parties re settlement							0.9
7/12/2016	Review Pak Email to A4NR team re summary of GRC Settlement Conference Call							0.7
7/12/2016	Emails re: PG&E witness and exhibit list							0.05
7/15/2016	Review attorney-staff expert Emails (8) recap: GRC settlement meet and schedules							0.3
7/15/2016	Review SLO County Motion for Party Status							0.2
7/19/2016	Review of A4NR attorney Email re TURN revision of settlement terms							0.1
7/19/2016	Review attorneys-staff expert Emails (6) re settlement conference call and new term sheet							0.2
7/20/2016	Review comparison chart on stator project options							0.15
7/20/2016	Review ALJ ruling on deadline extensions							0.01
7/21/2016	Emails (4) re: TURN GRC settlement ideas							0.1
7/21/2016	Email to attorney re: SLO filing and ALJ acceptance of party status							0.05
7/25/2016	Review PG&E Motion time extension to extend hearings on GRC							0.05
7/25/2016	Review new draft settlement term sheet and settlement schedule.							0.15
7/26/2016	Email (7) attorney staff re: term sheets and settlement schedule.							0.15
7/28/2016	Review Emails from attorneys-staff (3) re: revised settlement draft and conference call							0.2
7/28/2016	Travel to Public Participation Hearing SLO							0.75
7/28/2016	Attend SLO Public Participation Hearing to hear local concerns and present A4NR issues	1	1	1	1	0.5	1	
7/28/2016	Travel from Public Participation Hearing							0.75
7/29/2016	Review CGNP comments re: Diablo-related comments							0.5
7/28/2016	Emails from attorneys-staff re: 3rd attrition year and A4NR opposition							0.25
7/28/2016	Email attorneys to discuss new schedule logistics of schedule change							0.05
7/29/2016	Review SLO City Motion for Party status							0.3
8/2/2016	Review ALJ decision to allow CGNP party status							0.1
8/3/2016	Review TURN's revised testimony							0.25
8/3/2016	Review attorney Email RE: settlement status update							0.1
8/3/2016	Review Joint Motion of Marin, PG&E, TURN, A4NR							0.2
8/3/2016	TRAVEL flight from SAN to SFO							1.5
8/3/2016	Attend all-party Settlement Conference							1.2
8/4/2016	TRAVEL flight return from San Francisco to San Diego							1.5
8/7/2016	Review TURN Marcus testimony for Diablo issues							0.6
8/7/2016	Review Email from Pak to A4NR team re: shortening time and A4NR focus on issues for comments							0.15
8/10/2016	Email attorney re: discuss availability and plan for shortened hearing schedule							0.1
8/10/2016	Review Commissioner Picker new alternative on GRC schedule							0.15
8/15/2016	Review Emails (9) re: Assigned Commissioner Ruling re: logistics for upcoming hearings							0.15
8/15/2016	Emails A4NR team re: edits on A4NR Opening Comments on Proposed Decision	0.1	0.1	0.1			0.1	
8/16/2016	Review and approve and edit Email with draft Opening Comments attached	0.1	0.1	0.1			0.1	
8/18/2016	Emails attorneys staff with revisions, edit and approve Opening Comments	0.15	0.2	0.1	0.1	0.1	0.1	
8/18/2016	Review Opening Comments of TURN and CAUSE on SED issues							0.2
8/19/2015	Review PG&E letter re: safety and SED report							0.15

8/23/2016	Review ORA/PG&E Opening Comments re attrition issues							0.2
8/25/2016	Review PG&E GRC summary of issues settled	0.1	0.1	0.1	0.1	0.1		
8/25/2016	Review agenda for 8/30/16 GRC workshop							0.15
8/25/2016	Review California Federation of Consumers Reply brief re third year attrition issue						0.25	
8/25/2016	Review TURN Reply Brief re third year attrition issues						0.25	
8/26/2016	Review ALJ Email and agenda for 8/30							0.4
8/29/2016	Review ALJ instructions for 8/30 workshop and agenda							0.01
8/29/2016	TRAVEL from SLO to SAN FRANCISCO for Settlement Workshop							4.0
8/29/2016	GRC workshop preparation meeting with attorneys and experts							1.0
8/30/2016	Attend GRC settlement workshop							4.5
9/1/2016	Attend GRC settlement workshop							4.5
9/3/2016	TRAVEL from SAN FRANCISCO to SLO from Settlement Workshop							4.0
9/15/2016	Attend CPUC SED meeting; question "safety" concerns at workshop							1.0
9/17/2016	TRAVEL from SAN FRANCISCO to SLO from SED Workshop							4.0
2/28/2017	Review ALJ Proposed Decision and input from A4NR team	0.1	0.1	0.1	0.1	0.1	0.15	0.15
3/3/2017	Email chain with attorneys and expert witnesses							0.15
3/14/2017	Review and edit team comments final draft A4NR Opening Comments	0.25	0.25	0.25	0.25	0.15	0.1	0.5
3/15/2017	Email chain discussion of Proposed Decision vs PG&E alternate re GRC settlement							0.15
3/17/2017	Review Opening Comments CUE	0.25	0.2					
3/17/2017	Review Email chain A4NR attorney Re: settlement							0.04
3/20/2017	Review opening comments of PG&E/TURN/ORA and settlement disagreement						0.25	0.1
3/22/2017	Email chain attorneys Email chain re: A4NR Reply comments						0.25	
3/27/2017	Review Email chain attorney-expert re: discussion of ORA/PG&E 4th year proposal						0.15	
3/27/2017	Review TURN Reply comments re: third attrition year						0.2	
4/14/2017	Review PG&E's Reply comments re: A4NR positions							0.15
4/24/2017	Email chain attorneys/ED re: discussion of need to join SA conference call							0.05
4/28/2017	Review Settling parties comments re: Ex Parte meetings in May							0.5
5/24/2017	Review A4NR Opening Brief - provide comments on draft						0.3	0.4
5/24/2017	Review Commission D. 17-05-013 re: A4NR issues and points raised						0.1	0.2
5/26/2017	Review Notice to Accept alternative terms filed jointly (included A4NR)						0.1	0.15
Totals for Rochelle Becker (including transfers from R.14-02-001 per D.16-01-053):		31.22	23.60	16.69	11.80	8.42	13.12	3.3
								1.3
								128.16

Travel Hours: 74.0

Time Sheet Records for David Weisman, Advocate for A4NR										
Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
2/14/2014	Review Geesman Email for intervention in case (hours transferred based on D.16-01-033)	0.04	0.04							
2/26/2014	Review Geesman case strategy (hours transferred based on D.16-01-033)	0.025	0.025							
3/3/2014	Correspondence with clients re: flexible capacity payments and Exelon pricing strategy (hours transferred based on D.16-01-033)		0.03							
3/25/2014	Review Geesman email re: PG&E responses to data requests (hours transferred based on D.16-01-033)	0.01	0.01							
4/2/2014	TRAVEL from SLO to SJC for San Francisco meeting									4.0
4/3/2014	Meeting with Geesman, UCS expert Lochbaum, and Energy Division staff on DCNPP load following (hours transferred based on D.16-01-033)	0.585	0.585							
4/4/2014	TRAVEL return from San Francisco to SLO									4.0
4/10/2014	Email guidance on video excerpts of DCISC to Geesman, edit video (hours transferred based on D.16-01-033)	0.25	0.25							
4/17/2014	Meeting with Geesman to discuss case strategy re: DCNPP load following, qualification as flexible capacity (hours transferred based on D.16-01-033)	0.725	0.725							
4/17/2014	Review Geesman Motion to Compel discovery (hours transferred based on D.16-01-033)	0.02	0.02							
4/29/2014	Review Geesman Email re: PG&E discovery dispute (hours transferred based on D.16-01-033)	0.03	0.03							
5/21/2014	Review Geesman Email re: Scoping Memo, discovery issues, and eliciting NRC views on DCNPP load-following (hours transferred based on D.16-01-033)	0.01	0.01							
5/22/2014	Review Geesman Email re: potential overlap between Mangano concerns and operating DCNPP on load-following basis (hours transferred based on D.16-01-033)	0.01	0.01							
5/30/2014	Review Geesman Email re: Diablo Canyon Independent Safety Committee and load-following information (hours transferred based on D.16-01-033)	0.02	0.01							
6/3/2014	Review Geesman Email re: Public Records Act request to DCISC (hours transferred based on D.16-01-033)	0.01	0.01							
6/4/2014	Review Geesman Email re: Carl Pope column, ISO duck chart load-following implications (hours transferred based on D.16-01-033)	0.01	0.01							
6/5/2014	Review Geesman Email re: NRC written summary of SLO meeting (hours transferred based on D.16-01-033)	0.02	0.02							
6/11/2014	Review Geesman Email re: DCISC load-following information (hours transferred based on D.16-01-033)	0.01	0.01							
6/25/2014	Review Geesman Email re: DCISC response to Public Records Act request for load-following information (hours transferred based on D.16-01-033)	0.02	0.02							
7/1/2014	Review Geesman Email re: latest data request to PG&E (hours transferred based on D.16-01-033)	0.01	0.01							
7/15/2014	Review Geesman Email re: PG&E response to latest data request (hours transferred based on D.16-01-033)	0.01	0.01							
7/24/2014	Review Geesman Emails re: load-following experience and Columbia nuclear plant in Washington state (hours transferred based on D.16-01-033)	0.015	0.015							
7/29/2014	Review Geesman Email re: CEC workshop on reliability in Southern California and DCNPP ramifications (hours transferred based on D.16-01-033)	0.01	0.01							
8/5/2014	Review Geesman Email re: Helms and DCNPP load-following (hours transferred based on D.16-01-033)	0.02	0.02							
8/19/2014	Review Geesman Email re: potential role for Al Pak (hours transferred based on D.16-01-033)	0.01	0.01							
9/26/2014	Review Geesman Email re: UBS analysis of "carbon bomb" and nuclear (hours transferred based on D.16-01-033)	0.02	0.02							
10/6/2014	Review Geesman Email re: transcript of NRC end-of-cycle meeting at DCNPP (hours transferred based on D.16-01-033)	0.01	0.01							

10/7/2014	Review Geesman Email re: transcript of NRC end-of-cycle meeting at DCNPP (hours transferred based on D.16-01-033)	0.01	0.01					
10/9/2014	Review Geesman Email re: TURN request on Comments (hours transferred based on D.16-01-033)	0.01	0.01					
10/29/2014	Review Geesman comments on CPUC staff report and ORA report	0.25	0.25					
10/29/2014	Review Geesman Email re: ORA report on retirement risk (hours transferred based on D.16-01-033)	0.01	0.01					
12/8/2014	Review Geesman Email re: Joint PHC with RA proceeding (hours transferred based on D.16-01-033)	0.01	0.01					
1/6/2015	Review Geesman Emails re: participation of Al Pak							0.02
1/6/2015	Review Geesman Emails re: A4NR past support for 55% renewables target in 2030, implication for flexible capacity needs (hours transferred based on D.16-01-033)	0.02	0.02					
1/7/2015	Review Geesman Emails re: meaning of Gov. Brown's 50% renewables target (hours transferred based on D.16-01-033)	0.01	0.01					
1/12/2015	Review Geesman Emails re: load-following in CEC IEPR process	0.015	0.015					
1/19/2015	Review Geesman Emails re: participation of Al Pak							0.05
1/19/2015	Review Geesman Emails re: status of DCNPP in ISO Transmission Plan (hours transferred based on D.16-01-033)	0.015	0.015					
1/26/2015	Review ALJ ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.125	0.125					
1/27/2015	Review Geesman Email re: ALJ ruling on Motion to Compel (hours transferred based on D.16-01-033)	0.02	0.01					
2/5/2015	Review Geesman email re: CPUC initial response to Public Records Act request (hours transferred based on D.16-01-033)	0.025	0.025					
2/12/2015	Review Geesman Email re: NRC "white" finding regarding omission of ocean from Emergency Response Plan, meeting with Al Pak	0.1	0.1				0.03	
2/13/2015	Review Geesman Email re: "white" finding, meeting with Al Pak	0.01	0.01				0.01	0.01
2/18/2015	Review Geesman Email re: meeting with Al Pak							0.03
2/24/2015	Review Geesman Email re: meeting with Al Pak							0.01
3/11/2015	Review Geesman Email re: ORA position on retirements (hours transferred based on D.16-01-033)	0.01	0.01					
3/16/2015	Review Geesman Email re: renewable curtailments inference in Picker-Weisenmiller op-ed (hours transferred based on D.16-01-033)	0.01	0.01					
3/22/2015	Review Geesman Email re: documents to send to Al Pak	0.015	0.015					
4/16/2015	Review Geesman Email re: DCNPP spent nuclear fuel issues in next GRC						0.02	
4/30/2015	Review Geesman Email re: relicensing costs as potential \$85 million GRC issue		0.02		0.02			
5/7/2015	Review Geesman Email re: video on Humboldt Bay original cost estimates as DCNPP benchmark	0.01	0.01	0.01	0.01	0.01	0.01	
5/9/2015	Review Geesman Email re: potential economist expert witness		0.02		0.02			
5/10/2015	Review Geesman Email re: potential CO2 analysis for GRC	0.03	0.03					0.01
5/10/2015	Review DCNPP inspection document from NRC	0.02		0.02	0.02	0.02	0.02	
5/23/2015	Review Geesman Email re: DCNPP desalination proposal	0.03	0.03		0.03			
6/4/2015	Review Geesman Email re: DCNPP desalination proposal	0.01	0.01		0.01			
6/8/2015	Review Geesman Email re: DCNPP cask loading errors						0.03	
6/9/2015	Review Geesman Email re: DCNPP desalination proposal	0.02	0.02		0.02			
6/10/2015	Review Geesman Email re: DCNPP cask loading errors						0.03	
6/17/2015	Review Geesman Email re: potential economist expert witness		0.01		0.01			
6/18/2015	Review Geesman Email re: DCNPP cask loading errors, financial analysis of PGC stock		0.01		0.01		0.01	
6/20/2015	Review Geesman Email re: DCNPP desalination cost numbers	0.02	0.02		0.02			
6/25/2015	Review Geesman Email re: need for expert witnesses							0.02
6/26/2015	Review Geesman Email re: potential expert witness, role of relicensing costs and seismic issues in GRC		0.01		0.01	0.02		0.01
6/29/2015	Review Geesman Email re: Al Pak retainer agreement, DCNPP nozzle problem	0.02	0.03					

6/30/2015	Review Geesman Email re: role of Cal Coastal Commission and County in NEPA scoping of relicensing	0.02						
7/1/2015	Review NRC Notice of intent to reinitiate scoping process for Environmental Impact Statement on relicensing	0.05						
7/2/2015	Review Geesman Email re: NRC scoping session for EIS on relicensing	0.02						
7/3/2015	Review Geesman Email re: Calvert screening criteria for social investment	0.02	0.02					
7/4/2015	Review Geesman Email re: impact of CPUC rate design on DCNPP	0.03						
7/11/2015	Review Geesman Email re: source of funds for PG&E relicensing efforts	0.02						
7/14/2015	Review Geesman Email re: NRC scoping session, Tom Dalzell video	0.15						
7/14/2015	Locate Dalzell video, download, edit and archive video	0.5						
7/15/2015	Review Geesman Email re: Dalzell video, NRC waiver on PG&E expedited seismic evaluation	0.02		0.02				
7/16/2015	Review Geesman Email re: DCNPP Plant Betterment study	0.03	0.03	0.03	0.03	0.03	0.03	
8/11/2015	Review Geesman Email re: implications of Keweenaw closure	0.01	0.01					
8/18/2015	Review NRC DCNPP inspection report							0.25
8/18/2015	Review Geesman Email re: latest NRC DCNPP inspection report	0.01						
8/21/2015	Review Geesman Email re: requiring PG&E to segregate DCNPP revenue requirement using SONGS OII template	0.05						
8/23/2015	Review Geesman Email re: DCNPP desalination proposal	0.01	0.01		0.01			
8/25/2015	Review Geesman Email re: renewables required to replace DCNPP	0.01	0.01					
8/27/2015	Review Geesman Email re: INPO downgrade of DCNPP	0.08	0.08					
8/28/2015	Review Geesman Email re: Florio comments on PG&E and safety investigation	0.01	0.01					
8/31/2015	Review Geesman Email re: DCNPP designation as flexible capacity	0.02	0.02					
9/1/2015	Review Geesman Email re: PG&E exclusion of relicensing as issue in GRC	0.02						
9/1/2015	Review and pre-analysis of PG&E filing in GRC, esp. Chapter 5		1.5	1.5	0.5	0.5	0.5	
								2.0
9/2/2015	Review and respond to Becker Email	0.03						0.03
9/2/2015	Review and respond to Geesman Email	0.03						0.03
9/2/2015	Review and respond to Pak Email	0.03						0.03
9/2/2015	Review Geesman Email re: identifying best GRC issues, need for meeting with Al Pak	0.03	0.03	0.03	0.03	0.03	0.03	
9/3/2015	Review Geesman Email re: similarity between propping up DCNPP and Ohio coal policy, potential collaboration with Friends of the Earth							0.02
9/15/2015	TRAVEL from SLO to SAC for team conference							5.0
9/16/2015	Meet with CAL PLG team in Sacramento; outline and strategy session	0.89	0.89	0.87	0.89	0.87	0.89	
9/17/2015	TRAVEL from SAC to SLO return from legal team conference							5.0
9/18/2015	Review Geesman Email re: assigned ALJ							0.01
9/21/2015	Review Geesman Email clients re: costs of DCNPP info center							0.01
9/23/2015	Review Geesman Email re: Friends of the Earth and need for DCNPP	0.01	0.01					
9/24/2015	Review Geesman Email re: need for data requests to DCNPP Nuclear Safety Operating Committee	0.01	0.01					
9/26/2015	Review Al Pak summary of PG&E workpapers and testimony		0.5	0.5		0.5		0.5
9/28/2015	Client phone conference meeting per Pak; define GRC strategies							4.0
9/28/2015	Research, locate and provide CEC IEPR documents on ISFSI to Pak					1.0		
10/5/2015	Review Pak summary of GRC issues and motion to intervene							0.5
10/5/2015	Organize files of background historical PG&E CPUC filings per Pak	1.5	1		1			
10/5/2015	Prepare archival disc of ERRA case documents and mail to Pak	1	1		0.42			

10/6/2015	Review Data Request#1 per Pak, comments and proof reading	0.25	0.5	0.5		0.25	
10/7/2015	Review Data Request#2 per Pak, comments and proof reading		0.25	0.25		0.25	
10/16/2015	Review Email from Pak re: PG&E answers to Data Requests			0.25		0.25	
10/16/2015	Review PG&E answers to A4NR Data Request #1	0.12		0.25		0.12	
10/16/2015	Review Geesman Email re: DCNPP GRC issues overlapping with CEC IEPR and Diablo Canyon Independent Safety Committee	0.01	0.02	0.02	0.01	0.01	0.01
10/17/2015	Review nuclear section of CEC Draft 2015 IEPR	0.1	0.15	0.1	0.1	0.15	0.15
10/19/2015	Review Geesman Email re: Diablo Canyon Independent Safety Committee and load-following information (hours transferred based on D.16-01-033)	0.01	0.01			0.01	
10/21/2015	Review Geesman Email re: DCNPP refueling					0.02	
10/22/2015	Review and analyze PHC statements for TURN, PG&E, ORA						0.15
10/23/2015	Review Geesman Email re: DCNPP and SB 350, CEC amicus brief, NRC no-significant-impact paper on ISFSI	0.02	0.02			0.1	
10/23/2015	Review Email between Lochbaum and Pak		0.33	0.34		0.33	
10/24/2015	Review PG&E responses to Data Request #1		0.12	0.13			
10/26/2015	Review PG&E responses to A4NR Data Request #2	0.25	0.25	0.25			
10/26/2015	Review Geesman Email re: PG&E victory at ASLB, pictures of rubble from transformer explosion	0.01	0.01				
10/27/2015	Review Geesman Email re: litigation team re: DCNPP economics, Sam Blakeslee assessment PG&E responses to NRC requests for additional information	0.01	0.01			0.03	
10/28/2015	Conference call with TURN to address potential duplication	0.2	0.5	0.7	0.5	0.5	0.4
10/29/2015	Review Geesman Email to litigation team re: Tony Earley statement about risk analysis		0.01				
10/30/2015	Review Geesman Email to litigation team re: SNF issues, calls with PG&E, and Friends of the Earth	0.01	0.01	0.01	0.01	0.01	
10/30/2015	Teleconference with Friends of the Earth to coordinate participation		0.2		0.2	0.2	0.2
10/30/2015	Teleconference with A4NR team to discuss Friends of the Earth discussion						0.3
10/30/2015	Review Pak strategy document in advance of conference with PG&E						0.25
11/1/2015	Review Pak Email re: Strategy document						0.17
11/1/2015	Review Geesman Email to litigation team re: motion to compel discovery, comments on Draft 2015 IEPR	0.01	0.01	0.01	0.01	0.01	
11/2/2015	Teleconference with PG&E re discovery/scope issues			0.5	0.5		
11/2/2015	Review PG&E Data Response answers re: Stator Project			1.25			
11/3/2015	Review Pak Email on revised strategy update						0.03
11/3/2015	Review Geesman Email re: request to Cal. Geo. Service for DCNPP observation points ESTA 27 and 28					0.02	
11/4/2015	Review Geesman Email re: Sam Blakeslee Review of PG&E responses to NRC requests for additional seismic information					0.15	
11/4/2015	Review revised A4NR strategy with new assignments per Pak	0.2	0.2	0.2	0.2	0.2	0.2
11/5/2015	Review Geesman Emails to litigation team re: PG&E-proposed Non-Disclosure Agreement						0.1
11/6/2015	Review Geesman Email to litigation team re: NDA, financial hardship, prior Bushey requests for articles and bylaws, NOI contents						0.2
11/7/2015	Review Geesman Email to litigation team re: data requests, potential meetings with TURN, ORA	0.01	0.01				
11/8/2015	Review A4NR Data Request #3		0.2	0.1		0.2	
11/9/2015	Provide historical A4NR comp claim cost estimates to Pak						0.5
11/10/2015	Review Geesman Email re: litigation team re: ex parte notices, potential meeting with ORA	0.01	0.01			0.1	
11/13/2015	Review Geesman Emails re: DCNPP aspects of CPUC workshop on SB 350 implementation						0.04
11/14/2015	Review Geesman Email re: PG&E comments on Draft 2015 IEPR	0.01	0.01	0.01	0.01	0.01	
11/16/2015	Review Geesman Emails re: Hosgri Fault/Loss of Coolant Accident analysis		0.01			0.01	
11/17/2015	Review Pak draft summary of arguments against PG&E	0.1	0.1				0.1

11/18/2015	Review Geesman Email re: Dr. Peck's view of Hosgri Fault/Loss of Coolant Accident analysis					0.02	
11/20/2015	Review Pak meeting notes on TURN meeting	0.08	0.08	0.08	0.08	0.08	0.08
11/23/2015	Review Pak notes from ORA meeting	0.08	0.16	0.16	0.08	0.08	0.08
11/25/2015	Review Pak Email on updated scheduling and work needs						0.08
11/27/2015	Review Geesman Email to clients and litigation team re: rationale for CPUC cut in substation security project		0.02				
12/1/2015	Review Commissioner Picker scoping memo						0.3
12/11/2015	Review Geesman Email to clients re: Environmental Progress, potential ballot measure for DCNPP shutdown,	0.02	0.02				
12/15/2015	Email Pak re: resale of SONGS stator to DCNPP?			0.03			
12/17/2015	Review Data Response answers for packets Q 6-21		0.5				1
12/17/2015	Initiate Email contact with Dr. Casto as potential witness						0.25
12/17/2015	Email Geesman re: Casto as witness						0.03
12/17/2015	Email to Dave Lochbaum re: Casto as witness						0.1
12/18/2015	Review Email from Dr. Casto						0.08
12/21/2015	Email from Becker re: PG&E furniture expenses						0.03
12/21/2015	Review PG&E video on FLEX operations				0.25		0.25
12/22/2015	Research, download and read Dr. Casto thesis re: Lessons Learned	1	1	0.5			
12/22/2015	Conference call with Dr. Casto re: role as witness on PG&E NSOC	0.3	0.3				
12/23/2015	Review PG&E response to Data Request A4NR-3			0.25	0.25	0.25	
12/23/2015	Prepare report on Dr. Casto suitability as witness per Pak	0.5	0.5	0.25	0.75		
1/1/2016	Review Geesman Email to clients, Al Pak re: public participation hearing in San Luis Obispo						0.01
1/2/2016	Review Geesman Email to clients re: public participation hearing in San Luis Obispo						0.01
1/4/2016	Review Geesman Email to clients re: A4NR presentation at public participation hearing						0.01
1/7/2016	Review Pak PowerPoint docs in advance of conference call	0.1	0.1	0.2	0.2	0.1	0.2
1/8/2016	Conference call with CALPLG on case strategy	1.0	1.7	0.9	0.9	0.5	0.5
1/8/2016	Review PG&E Draft answers re: NSOC committee Q23		0.6		0.7		
1/11/2016	Review Geesman Email re: State Lands Commission and DCNPP	0.01	0.01				
1/13/2016	Review Geesman Email re: State Lands Commission, NRC audit of DCNPP seismic studies	0.01	0.01			0.01	
1/14/2016	Review Geesman Email re: potential witnesses	0.01	0.01	0.01	0.01	0.01	0.01
1/14/2016	Review Email from Pak re: witnesses for GRC						0.03
1/14/2016	Review PHC schedule from CPUC						0.03
1/15/2016	Email Lochbaum and Pak evaluation of Casto as witness	0.25	0.5		0.25		
1/15/2016	Correspondence with clients re: potential witnesses	0.01	0.01				
1/17/2016	Proofread A4NR Data Request# 5 per Pak			0.2	0.15		
1/19/2016	Meeting with Geesman at Governor's office re: DCNPP leases	0.34	0.33				
1/19/2016	Meeting with Geesman at State Controller's office re: DCNPP leases	0.29	0.29				
1/19/2016	Meeting with Geesman at Lt. Governor's office re: DCNPP leases	0.25	0.25				
1/19/2016	Meeting with Geesman at Department of Finance re: DCNPP leases	0.13	0.12				
1/21/2016	Email from Pak, requests for follow up on NRC documentation						0.17
1/22/2016	Email from Lochbaum re: Dr. Casto as witness		0.08				
1/22/2016	Email from Becker re: Dr. Casto as witness		0.08				
1/25/2016	Draft and send Email witness invitation and parameters to Dr. Casto	0.2	0.5	0.5			
1/25/2016	Email response from Dr. Casto; reply to Pak						0.17
1/25/2016	Review Geesman Email re: State Lands Commission, Coastal Commission and DCNPP	0.03	0.03				
1/26/2016	Review Geesman Email re: Diablo Canyon Independent Safety Committee and CEQA Review of new DCNPP lease	0.01	0.01				
1/27/2016	Review Geesman Email re: Coastal Commission and DCNPP	0.01	0.01				

1/28/2016	Review Geesman Email to Al Pak re: FOE and new DCNPP lease, NRC acceptance of PG&E's seismic data sufficiency	0.02	0.02			0.03	
1/28/2016	Email response from potential witness Dr. Casto						0.03
1/28/2016	Emails to/from Pak re: potential conflict of interest with Dr. Casto						0.03
1/29/2016	Review Geesman Email to litigation team re: new DCNPP lease, Diablo Canyon Independent safety Committee, CEC IEPR content, NRC requests for additional information, Environmental Progress	0.1	0.1	0.09	0.09	0.09	0.09
1/29/2016	Research and send valid NRC documents re: License renewal to Pak	1	1		0.5		
1/30/2016	Review Geesman Emails to CEC, SCE re: Environmental Progress "Save Diablo" efforts	0.01	0.01	0.01	0.01	0.01	0.01
2/1/2016	Email Pak re: located NRC documents for GRC						0.02
2/2/2016	Research and locate alternate NRC documents for GRC						0.5
2/3/2016	Meeting with Geesman to Review GRC-related issues coming before Diablo Canyon Independent Safety Committee	0.25	0.25	0.25	0.25	0.25	0.25
2/5/2016	Email Wentzel @ NRC re: document search						0.08
2/8/2016	Receive and review NRC "RAI" documents for DCNPP seismic				0.75		
2/8/2016	Email Geesman re: NRC documents						0.03
2/9/2016	Review PG&E answer to A4NR Data Request#5-03-16		0.2	0.2		0.2	
2/13/2016	Review Geesman Email re: Harvey Wasserman re: role of State Lands Commission in DCNPP future	0.01	0.01	0.01	0.01	0.01	0.01
2/15/2016	Review Geesman Email re: Karlin call, Diablo Canyon Independent Safety Committee	0.01	0.01	0.01	0.01	0.01	0.01
2/16/2016	Review Geesman Emails re: Diablo Canyon Independent Safety Committee	0.01	0.01	0.01	0.01	0.01	0.01
2/17/2016	Review Geesman Email re: Environmental Progress message	0.01	0.01	0.01	0.01	0.01	
2/18/2016	Review Geesman Email re: industry soundbites	0.01	0.01				
2/22/2016	Review Geesman Email re: rebutting Environmental Progress	0.01	0.01	0.01	0.01	0.01	
2/23/2016	Review Geesman Email to Al Pak re: Exelon downgrade, strategy for testimony, Environmental Progress	0.01	0.01	0.01	0.01	0.01	0.01
2/24/2016	Review Geesman Email re: DCNPP desalination proposal	0.01	0.01				
2/26/2016	Review Geesman Email re: Mothers for Diablo Canyon	0.01	0.01				
2/27/2016	Review Geesman Email re: Dr. Peck and Diablo Canyon Independent Safety Committee				0.02		
2/29/2016	Review Geesman Email re: Diablo Canyon Independent Safety Committee				0.01		
3/1/2016	Review Geesman Email re: DCISC, UCS expert Dave Lochbaum's take on NRC weld inspection variance for DCNPP	0.03	0.02				
3/2/2016	Review Geesman Email re: Diablo Canyon Independent Safety Committee				0.01		
3/2/2016	Review draft Testimony before group strategy conference call		0.25	0.5	0.5	0.5	
3/2/2016	Conference call w/team in SAC; Rick Wolfe introduced	0.5	1.00	2.5	0.5	1.00	
3/3/2016	Review Geesman Email re: INPO downgrade of DCNPP	0.01					
3/4/2016	Review Geesman Email re: draft testimony, depreciation issue	0.01	0.01	0.01	0.01	0.01	0.02
3/6/2016	Review Geesman Email clients re: delay in PG&E criminal trial	0.01	0.01	0.01	0.01	0.01	0.01
3/6/2016	Proofread A4NR Data Request #6 per Pak						0.4
3/8/2016	Read and analyze CPUC SED report for PG&E GRC						1.3
3/13/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease	0.01					
3/14/2016	Review Pak Email with instructions for Testimony Review						0.33
3/15/2016	Review draft Testimony; locate and file supporting documents		0.5	0.5	0.5	0.5	1.00
3/16/2016	Prepare comments and critique of Testimony; Email to Pak	0.25	0.25	0.25	0.5	0.25	0.25
3/16/2016	Review Becker Testimony; add comments and annotations	1.00	0.25		0.5		
3/16/2016	Review Geesman Email to litigation team re: meeting with PG&E	0.005	0.005	0.005	0.005	0.005	0.005
3/17/2016	Review Geesman Email to litigation team re: load-following	0.01	0.01				
3/18/2016	Review Geesman Email to clients, State Controller's office, re: new DCNPP lease	0.02	0.02				
3/21/2016	Review Pak Email re: upstream cost calculations	0.33					

3/22/2016	Review Geesman Email to litigation team re: offsite damages methodology, cybersecurity costs, draft testimony	0.05	0.05					
3/23/2016	Review Pak Email re: conference call strategy for ORA/TURN							0.12
3/24/2016	Conference call with CalPLG prior to call with TURN/ORA	0.25	0.25	0.25	0.25	0.25	0.25	
3/24/2016	Conference call with PG&E, TURN-ORA	0.25	0.25	0.25	0.5	0.5	0.25	
3/26/2016	Review and proof A4NR Data Request #7		0.1	0.15				
3/28/2016	Review Geesman Email re: best evidence strategy, stator replacement project	0.01	0.01	0.01	0.01	0.01	0.01	
3/29/2016	Review Geesman Email re: tax v. regulatory depreciation, TURN perspective on load-following			0.01	0.02			
3/30/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease, Friends of the Earth negotiations	0.05	0.05					
4/2/2016	Review Geesman Email re: State Lands Commission and new DCNPP lease	0.01	0.01					
4/8/2016	Review relevant ORA Testimony exhibits on PG&E operations							1.0
4/11/2016	TRAVEL from SLO to SF for settlement conference							4.0
4/12/2016	Conference to prepare witnesses with CalPLG in San Francisco	1.0	0.5	1.00	0.5	0.5	0.5	
4/12/2016	Review A4NR Data Request #8			0.25				
4/12/2016	Review Geesman Email re: CEQA Review logic and DCNPP new lease	0.01	0.01	0.01	0.01	0.01	0.01	
4/13/2016	Review Geesman Email re: DCNPP new lease	0.01	0.01					
4/13/2016	TRAVEL FROM SF TO SLO from settlement conference							4
4/13/2016	Review Pak Email re: DCNPP ISFSI configuration						0.08	
4/14/2016	Review Pak Email RE: Testimony notes							0.08
4/15/2016	Review and proofread Geesman/Becker Testimony	1.25	0.5	1.00	0.5	0.33	0.25	
4/15/2016	Review Data Request # 8 per Pak			0.25				
4/16/2016	Review Geesman Email to litigation team re: next steps on testimony		.					0.02
4/17/2016	Review Geesman Email re: load-following in EU, Deutch/Moniz on load-following inadvisability, Sierra Club on CEQA Review of new DCNPP lease	0.01	0.01	0.01	0.01	0.01	0.01	
4/17/2016	Review Pak Email re: Load Following							0.17
4/20/2016	Review Geesman Testimony and add citations as needed		0.25	0.5		0.3	0.5	
4/21/2016	Review A4NR Joint Comparison exhibit	0.15	0.25	0.25	0.2	0.25	0.25	
4/26/2016	A4NR strategy conference call to Review Testimony	0.5	0.2	0.4	0.2	0.3	0.4	
4/28/2016	Review Geesman Email re: PG&E ex-employees cooperating with prosecutors							0.02
4/29/2016	Review Geesman Email re: PG&E ex-employees cooperating with prosecutors							0.02
5/1/2016	Review Geesman Email re: PG&E flex video	0.03	0.02					
5/13/2016	Review Geesman Email re: local community and DCNPP future	0.02	0.02					
5/14/2016	Review Geesman Email re: San Luis Obispo Mothers for Peace	0.01	0.01					
5/16/2016	Review Geesman Email re: national Sierra Club position on existing nuclear power plants	0.02	0.02					
5/16/2016	Review ORA Testimony	0.2	0.2	0.2	0.2	0.2	0.2	
5/19/2016	Review Geesman Email re: State Water Resources Control Board timeline for OTC decision, DCISC process	0.01	0.01	0.01	0.01	0.01	0.01	
5/21/2016	Review Geesman Email re: new report on spent nuclear fuel transport issues						0.03	
5/22/2016	Review Geesman Email to Al Pak re: additional hearing prep	0.01	0.01	0.01	0.01	0.01	0.01	
5/23/2016	Review Geesman Email re: IBEW 1245, Environmental Progress positions on DCNPP	0.03	0.03	0.03	0.03	0.02	0.03	
5/25/2016	Review Geesman Email re: balancing accounts, criminal prosecution, Environmental Progress	0.01	0.01	0.01	0.01	0.01	0.01	
5/26/2016	Review Geesman Email re: Picker letter	0.01	0.01	0.01	0.01	0.01	0.01	
5/30/2016	Review Geesman Email re: Environmental Progress letter to DCNPP employees	0.01	0.01	0.01	0.01	0.01	0.01	
5/31/2016	Review Geesman Email re: new DCNPP lease, depreciation issue	0.01	0.01		0.05			
6/1/2016	Review Geesman Email to Al Pak, TURN re: settlement	0.01	0.01	0.01	0.01	0.01	0.01	

6/2/2016	Review and analysis of PG&E rebuttal testimony	0.5	0.5	0.5	0.5	0.5	0.5	
6/2/2016	Review Pak's analysis of PG&E rebuttal							0.33
6/2/2016	Review and analysis of CUE rebuttal testimony							0.33
6/3/2016	Review Pak Email to oppose delay in hearings							0.03
6/4/2016	Review Pak Email re: settlement schedules							0.17
6/7/2016	Review and analyze A4NR settlement options	0.1	0.2	0.1	0.2	0.1	0.1	
6/7/2017	Teleconference with ORA/TURN/PG&E re settlement							1.0
6/7/2016	Conference call with attorneys re: settlement options	0.1	0.11	0.11	0.11	0.11	0.11	
6/8/2016	Email to Pak et al re: settlement offers							0.5
6/9/2016	Review Geesman Email to Al Pak re: settlement strategy	0.03	0.03	0.03	0.03	0.03	0.03	
6/10/2016	Review Dr. Robert Sewell tsunami risk report prepared for Diablo Canyon Independent Safety Committee	0.2	0.2		0.2			
6/10/2016	Review Geesman Email re: DCISC	0.01	0.01			0.01		
6/12/2016	TRAVEL from SLO to SF for settlement conference							4.0
6/13/2017	team meeting to discuss settlement options	0.4	0.4	0.4	0.4	0.4	0.4	
6/14/2016	Settlement meetings with PG&E, TURN and ORA	2.0	0.5	1.0	0.5	0.5	1.5	
6/15/2016	Email to/from Al Pak and Geesman and Becker Review settlement offer	0.2	0.2	0.2	0.2	0.2	0.2	
6/16/2016	Settlement meetings with PG&E, TURN and ORA	2.0	0.5	1.0	0.5	0.5	1.5	
6/17/2016	Email and Review settlement proposal w/Becker	0.1	0.2	0.2	0.15	0.1		
6/18/2016	TRAVEL SF to SLO from settlement conference							4.0
6/18/2017	Email and Review settlement proposal w/ attorneys and Becker	0.1	0.1	0.1	0.1	0.1	0.1	
6/20/2016	Review settlement documents prepared by Pak	0.1	0.1	0.1	0.1	0.1	0.1	
6/20/2016	Review Al Pak proposal and comments on procedural schedule							0.17
6/21/2016	Correspondence with clients, Al Pak re: briefing schedule options							0.06
7/1/2016	Review and Email re: settlement terms from Al Pak/John Geesman							0.25
7/8/2016	GRC Settlement Conference Call with GRC Parties re settlement							1.10
7/8/2016	Review Pak Email to A4NR team re summary of GRC Settlement Conference Call							0.06
7/12/2016	Review Pak Email to A4NR team re summary of GRC Settlement Conference Call							0.06
7/12/2016	Review Al Pak summary of settlement conference call							0.25
7/12/2016	Review Geesman Email to Al Pak re: settlement scheduling considerations							0.02
7/15/2016	Review Al Pak summary of second settlement conference call							0.25
7/21/2016	Review Emails from Al Pak and John Geesman re: settlement							0.15
7/26/2016	Review Emails from Al Pak re: settlement conference call							0.12
7/26/2016	Review Geesman Emails re: joining TURN in opposing third attrition year							0.03
7/29/2016	Review Geesman Emails re: third attrition year, additional settlement issues							0.02
8/7/2016	Review Geesman Emails re: timeframe for drafting comments on joint settlement proposal							0.02
8/11/2016	Review Geesman Emails re: hearings on joint settlement proposal							0.05
8/15/2016	Review Geesman Emails re: filing comments on joint settlement proposal							0.03
8/16/2016	Review draft comments on opening settlement comments from Pak	0.08	0.08	0.08	0.08	0.08	0.08	
8/17/2016	Review Geesman Email re: A4NR Comments on Joint Settlement Proposal							0.02
8/22/2016	Review Geesman Email re: whether to submit Reply Comments on Joint Settlement Proposal	0.01	0.01	0.01	0.01	0.01	0.01	
8/26/2016	Conference all with A4NR and Legal Team re: GRC schedule							0.8
2/28/2017	Review Proposed Decision	0.15	0.2	0.15	0.1	0.15		
3/3/2017	Review Al Pak draft comments on Proposed Decision							0.3
3/4/2017	Comment to Becker on Proposed Decision						0.1	0.15

3/14/2017	Review Al Pak Email re: comments on settling Proposed Decision	0.1
3/15/2017	Review Geesman Email re: A4NR's response to PG&E concerns with PD	0.2
3/16/2017	Review Geesman Email re: A4NR's comments on PD	0.08
3/18/2017	Review Geesman Email re: A4NR's comments on PD	0.03
3/18/2017	Review Opening Comments on settlement	
3/20/2017	Review Geesman Email re: 3rd attrition year, advisability of filing Reply Comments on PD	0.02 0.01
3/21/2017	Review lawyer Emails re: 3rd attrition year	0.02
3/30/2017	Review Al Pak Emails re: cost of capital attrition projects	0.08
4/14/2017	Review Geesman Email re: PG&E-scheduled strategy call on joint comments	0.02
5/10/2017	Review Geesman Email re: ALJ request for information #5	0.01
Totals for David Weisman (including transfers from R.14-02-001 per D.16-01-053)		26.94 28.23 23.61 17.38 11.74 17.84 0.32 0.11 56.67

Travel Hours: 34.0

Time Sheet Records for Richard Wolfe, Resero Consulting, Engineering Consultant for A4NR										
Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
2/28/2016	Initial Review of Draft testimony and other case documents from Alvin Pak	0.10	0.10	1.25	0.10	0.10	0.40			0.20
3/2/2016	Meeting with John Geesman, Alvin Pak, Ann Springgate, Rochelle Becker, David Weisman in Sacramento to discuss Draft testimony and develop strategy	0.20	0.10	1.10	0.20	0.10	0.30			0.25
4/4/2016	LOCA Blowdown question									0.25
4/7/2016	Review of Data Requests, supplied documentation			3.50			0.25			
4/9/2016	Review of Data Requests, supplied documentation			1.50						
4/10/2016	Review of Data Requests, supplied documentation, PG&E Testimony			3.00						
4/11/2016	Phone call with Phil Mueller to discuss average renewable prices.									1.00
4/11/2016	Phone call with Alvin Pak to discuss replacement power costs.									0.25
4/12/2016	Meeting in San Francisco with A4NR team to Review A4NR Draft testimony	0.20	0.20	1.10	0.50	0.50	0.75			2.50
4/13/2016	Research risk associated with spent fuel pool reconfiguration ISFSI and risk						1.00			
4/13/2016	Day-ahead market pricing for replacement power									0.75
4/14/2016	Research stator replacement data			2.00						
4/14/2016	Preparation of data requests			1.75						
4/14/2016	Review and editing of Becker testimony						0.15			0.10
4/15/2016	Review and editing of revised Draft testimony.	0.10	0.10	0.20	0.25	0.10	0.25			
4/15/2016	Review of data request responses			0.10			0.15			
4/18/2016	Call with Alvin Pak to discuss stator replacement costs			0.75						0.25
4/19/2016	Review and comments on Geesman testimony	0.50	1.00	1.25						
4/20/2016	Review and comments on Geesman testimony					0.60	0.90			
4/21/2016	Email Correspondence with A4NR team re: Geesman testimony, Joint Comparison Exhibit, ISFSI			0.20			1.75			0.75
4/21/2016	Research spent-fuel racking requirements						1.30			
4/25/2016	Research accelerated transfer of spent fuel to ISFSI						2.75			
4/26/2016	Meeting with A4NR team in Sacramento .	0.20	0.50	0.50	0.10	0.30	0.40			1.50
4/26/2016	Review and comments on data responses for stator replacement project			1.25						
4/27/2016	NRC petition Review and comments for electrical system design vulnerability									1.75
6/1/2016	Review of PG&E rebuttal and documents supplied by Alvin Pak in preparation for Oakland Meeting	0.25	0.50				1.00			
6/2/2016	Review of PG&E rebuttal and documents supplied by Alvin Pak in preparation for Oakland Meeting					1.00	1.75			0.25
6/3/2016	Team Meeting in Oakland to prepare cross-exam strategy	0.60	0.25	0.25	0.50	0.50	2.25			0.65
Totals for Richard Wolfe:		0.80	2.35	19.95	2.65	3.20	15.35			10.45

Time Sheet Records for Ellen Wolfe, Resero Consulting, Economic Consultant for A4NR

Date	Task	Hours by Issue								
		T A/L	DC	SP	ADE	SSBA	ISFSI	PTY3	MRFR	GP
3/2/2016	Nodal pricing research, flexible ramping of DCNPP, Review of PG&E and A4NR testimony			0.5						1.5
5/10/2016	Review Rick Wolfe's spreadsheet analysis and testimony support for nodal pricing									1.25
	Totals for Ellen Wolfe:	0	0	0.5	0	0	0	0	0	2.75
	TOTALS:	235.2	304.8	206.6	144.9	120.0	184.4	12.1	15.5	348.0
	Percentage of Total:	15.0%	19.4%	13.1%	9.2%	7.6%	11.7%	0.8%	1.0%	22.1%



FILED

Alliance for Nuclear Responsibility

Application No. 15-09-001 Request for Intervenor Compensation in Pacific Gas & Electric Co. Test Year 2017 General Rate Case
Attachment 4. Cost and Expense Records

Item No.	Date	Category	Description	Amount	Receipt/Ref#
1. Printing and Copying	9/24/2015	Copying	Print PG&E Exhibits PG&E-2, -5, -11 (998 pages)	\$ 98.43	ASP-3 08:00 AM
	10/7/2015	Copying	Print PG&E workpapers PG&E-(5) (393 pages @ \$0.10 per page)	\$ 17.69	None: under \$20
	11/9/2015	Copying	Print PG&E data responses (312 pages @ \$0.045 per page)	\$ 14.04	None: under \$20
	1/4/2016	Copying	Print issue outline (15 pages @ \$0.10 per page)	\$ 1.50	None: under \$20
	3/6/2016	Copying	Print PG&E risk report (93 color pages @ \$0.45 per page)	\$ 41.85	Invoice CALPLG02
	3/22/2016	Copying	Print PG&E workpapers (Energy LOB) (1883 pages @ .165 per page)	\$ 310.70	Invoice CALPLG02
	3/22/2016	Copying	Print PG&E workpapers re risk analysis (60 color pages @ \$0.89 per page)	\$ 53.60	Amex (ASP-8)
	3/29/2016	Copying	Print PG&E workpapers re risk analysis (58 color pages @ \$0.45 per page)	\$ 26.10	Invoice CALPLG02
	4/29/2016	Copying	Print two copies of A4NR testimony and workpapers for mailing to ALJ Roscow	\$ 505.46	Invoice CALPLG02
	5/3/2016	Copying	Print PG&E workpapers (risk analysis: 875 pages @ \$0.065 + set-up fees)	\$ 58.18	Amex (ASP-11)
2. Postage	6/15/2016	Copying	Print settlement proposals (24 color pages @ \$0.45 per page)	\$ 10.80	None: under \$20
	8/8/2016	Copying	Print Opening Comments on Settlement (24 pages @ \$0.39 per page)	\$ 9.36	None: under \$20
	2/28/2017	Copying	Print ALJ Proposed Decision (240 pages @ \$0.07 per page + \$1.58 document set-up fee)	\$ 18.38	None: under \$20
	3/20/2017	Copying	Print A4NR Opening Comments on Proposed Decision (124 pages at \$.05 per page)	\$ 6.25	None: under \$20
	3/29/2017	Copying	Print A4NR Reply Comments on Proposed Decision (56 pages at \$.07 per page)	\$ 3.92	None: under \$20
	Subtotal Printing and Copying:				
	\$ 1,176.26				
3. Travel	4/29/2016	Postage	Mail two copies of A4NR testimony and workpapers to ALJ Roscow	\$ 19.70	None: under \$20
	4/29/2016	Packaging	Packaging materials	\$ 10.00	None: under \$20
	6/12/2016	Postage	Mail A4NR Reply to Joint Motion for schedule delay	\$ 12.56	None: under \$20
	3/20/2017	Postage	Mail A4NR Opening Comments on Proposed Decision to ALJ and Assigned Commissioner	\$ 7.34	None: under \$20
	3/27/2017	Postage	Mail A4NR Reply Comments on Proposed Decision to ALJ and Assigned Commissioner	\$ 7.34	None: under \$20
	Subtotal Postage and Mailing:				
	\$ 56.94				
	9/28/2015	Airfare	Travel to meet A4NR team re engagement and case strategy; Southwest SAN-SFO roundtrip for PAK	\$ 546.00	ASP-1
		Train fare	SF BART from SFO to San Francisco for PAK	\$ 17.30	None: under \$20
		Hotel	Marriott San Francisco, 1 night for PAK	\$ 336.71	ASP-2
		Hotel	Marriott San Francisco, 1 night for OHARA/COX	\$ 466.49	Invoice CALPLG01
		Cab fare	Yellow Cab from Marriott to CPUC	\$ 12.00	None: under \$20
		Parking	SAN airport Park N Fly for PAK	\$ 38.00	ASP-3
	10/28/2015	Airfare	Travel to San Francisco for prehearing conference; Southwest SAN-SFO roundtrip for PAK	\$ 344.00	ASP-4
		BART fare	BART fare from SFO to San Francisco and return for PAK	\$ 17.30	None: under \$20
		Hotel	Inn at the Opera San Francisco 1 night for PAK	\$ 351.14	ASP-5
		Hotel	The Queen Ann 1 night for OHARA/COX	\$ 217.84	Invoice CALPLG01
		Parking	SAN airport Park N Fly for PAK	\$ 38.00	ASP-3
	11/19/2015	Parking	Travel to San Francisco for coordination meeting with TURN and ORA for PAK	\$ 19.50	None: under \$20
		Hotel	One night Hyatt Fisherman's Wharf for PAK	\$ 187.58	ASP-6
		Parking	Parking at CPUC Civic Center garage	\$ 14.00	None: under \$20
	1/6/2016	Airfare	Travel to Sacramento for client meeting re case strategy and issues meeting; Southwest SAN-SMF roundtrip for PAK	\$ 555.96	ASP-7
		Cab fare	SITO cab fare from SMF to Hotel	\$ 40.00	Amex (ASP-8)
		Hotel	Hyatt Sacramento 2 nights for Al Pak	\$ 525.82	Amex (ASP-8)
		Cab fare	SITO cab fare from office to SMF	\$ 35.00	Amex (ASP-8)
		Parking	Wally Park SAN airport Parking for Pak	\$ 52.90	Amex (ASP-8)
	3/2/2016	Parking	City of Sacramento Parking	\$ 6.00	None: under \$20

	3/24/2016	Airfare	Travel to San Francisco for SED workshop on PG&E risk assessment and budgeting; Southwest SAN-SFO roundtrip for PAK	\$ 551.96	Amex (ASP-8)
		Car rental	National Car Rental for PAK	\$ 71.68	Amex (ASP-9)
		Hotel	Hyatt Embarcadero 1 night for PAK	\$ 272.97	Amex (ASP-9)
		Parking	SAN airport Park N Fly for PAK 2 days	\$ 60.00	Amex (ASP-9)
	4/12/2016	Airfare	Travel to San Francisco for witness preparation meeting; Southwest SAN-SFO roundtrip for PAK	\$ 507.96	Amex (ASP-9)
		Parking	SAN airport Park N Fly for PAK	\$ 30.00	Amex (ASP-10)
		Cab fare	Cab fare from SFO to 275 Battery St. San Francisco	\$ 60.49	Amex (ASP-9)
		Cab fare	Cab fare from 275 Battery St. to SFO	\$ 57.50	Amex (ASP-10)
	4/26/2016	Airfare	Travel to Sacramento for final testimony review; Southwest SAN-SAC roundtrip for PAK (less \$4.99 credit)	\$ 522.97	Amex (ASP-10)
		Car rental	Payless Car Rental (including gasoline) for PAK	\$ 50.09	Amex (ASP-10)
		Parking	SAN airport for PAK	\$ 30.00	Amex (ASP-10)
		Hotel	One night stay PAK Hyatt SFO	\$ 225.10	Amex (ASP-12)
	6/13/2016	Airfare	Travel to San Francisco for settlement meeting with PG&E, TURN and ORA; Southwest SAN-SFO roundtrip for PAK (+\$22 change fee)	\$ 547.96	Amex (ASP-12)
		Hotel	One night stay PAK Handlery Hotel	\$ 387.79	(Amex (ASP-13))
		BART fare	BART from SFO to San Francisco and return for PAK	\$ 19.25	None (under \$20)
		Parking	SAN airport parking for PAK	\$ 60.00	(Amex (ASP-13))
	6/16/2016	Airfare	Travel to San Francisco for meeting with PG&E; Southwest SAN-SFO roundtrip for PAK (change fee of \$22)	\$ 547.96	Amex (ASP-13)
	8/3/2016	Airfare	Travel to San Francisco for all-party settlement conference; Southwest SAN-SFO roundtrip for PAK (243.95 + 104.01 change fee)	\$ 347.96	ASP-14 and Amex (ASP-15)
		Parking	SAN airport parking for PAK	\$ 32.00	Amex (ASP-15)
		BART fare	BART from SFO to San Francisco and return for PAK	\$ 8.95	None: under \$20
	8/29/2016	Hotel	Hyatt San Francisco; 1.5 nights for PAK	\$ 392.71	ASP-16
		Cab fare	Hotel to CPUC building for PAK	\$ 11.00	None: under \$20
		Cab fare	CPUC building to hotel for PAK	\$ 12.00	None: under \$20
		BART fare	SF BART from SFO to SF and return for PAK	\$ 17.90	None: under \$20
	4/2/2014	Airfare	Southwest Airlines (SJC-SAN) BECKER	\$ 171.00	A4NR Visa Statement 03-14
	4/4/2014	Train fare	Amtrak (SLO-SJC) WEISMAN	\$ 57.60	A4NR Visa Statement 03-14
	4/4/2014	Airfare	Southwest Airlines (SJC-SAN) BECKER	\$ 240.00	A4NR Visa Statement 04-14
	4/5/2014	Hotel	Arena Hotel San Jose (SJC) BECKER+WEISMAN	\$ 230.00	A4NR Visa Statement 04-14
	4/17/2014	Hotel	Expedia-Hotel San Jose - BECKER	\$ 137.80	A4NR Visa Statement 04-14
	4/17/2014	Train fare	Caltrain SJC-SF BECKER (roundtrip)	\$ 18.00	A4NR Visa Statement 04-14
	5/13/2014	Airfare	Southwest SAN-SFO roundtrip for BECKER	\$ 262.00	A4NR Visa Statement 05-14
	9/15/2015	Hotel	Holiday Inn Express SAC-BECKER	\$ 164.44	A4NR Visa Statement 09-15
	9/15/2015	Hotel	Holiday Inn Express SAC-WEISMAN	\$ 164.44	A4NR Visa Statement 09-15
	9/28/2015	Airfare	Southwest SAN-SFO roundtrip for BECKER	\$ 334.00	A4NR Visa Statement 09-15
	9/29/2015	Hotel	Marriott San Francisco, 1 nite for BECKER	\$ 336.71	A4NR Visa Statement 10-15
	10/28/2015	Airfare	Southwest SAN-SFO roundtrip for BECKER	\$ 194.00	A4NR Visa Statement 10-15
	3/1/2016	Airfare	Southwest SAN-SAC roundtrip for BECKER	\$ 156.95	A4NR Visa Statement 02-16
	3/1/2016	Hotel	Holiday Inn Express SAC-BECKER 2 nited	\$ 505.97	A4NR Visa Statement 03-16
	3/24/2016	Airfare	Southwest SAN-SFO roundtrip for BECKER	\$ 178.00	A4NR Visa Statement 03-16
	3/24/2016	Train fare	SF BART from SFO-Downtown BECKER	\$ 20.00	None: under \$20
	4/11/2016	Train fare	Amtrak SLO-SJC BECKER	\$ 33.15	A4NR Visa Statement 04-16
	4/11/2016	Train fare	Amtrak SLO-SJC WEISMAN	\$ 35.10	A4NR Visa Statement 04-16
	4/11/2016	Train fare	Caltrain SJC-SF BECKER	\$ 4.75	None: under \$20
	4/11/2016	Train fare	Caltrain SJC-SF WEISMAN	\$ 9.75	None: under \$20
	4/11/2016	Cab fare	Yellow Card Cab fare--Caltrain to meeting	\$ 11.30	None: under \$20
	4/13/2016	Hotel	Hotel Whitcomb SF BECKER	\$ 291.12	A4NR Visa Statement 04-16
	4/13/2016	Hotel	Hotel Whitcomb SF WEISMAN	\$ 291.12	A4NR Visa Statement 04-16
	4/13/2016	Cab fare	Union Cab (Hotel to Caltrain)	\$ 10.00	None: under \$20
	4/13/2016	Train fare	Caltrain SF-SJC BECKER	\$ 4.75	None: under \$20
	4/13/2016	Train fare	Caltrain SF-SJC WEISMAN	\$ 9.75	None: under \$20
	6/12/2016	Train fare	Amtrak SLO-SJC WEISMAN	\$ 33.30	A4NR Visa Statement 06-16
	6/13/2016	Train fare	Amtrak SLO-SJC BECKER	\$ 29.70	A4NR Visa Statement 06-16
	6/13/2016	Cab fare	American Taxi San Francisco (BECKER)	\$ 14.50	A4NR Visa Statement 06-16
	6/12/2016	Hotel	Motel 6 San Jose (WEISMAN)	\$ 116.13	A4NR Visa Statement 06-16
	6/13/2016	Train fare	Caltrain SJC-SF WEISMAN	\$ 9.75	A4NR Visa Statement 06-16
	6/13/2016	Train fare	BART San Francisco (BECKER)	\$ 20.00	A4NR Visa Statement 06-16

	6/14/2016	Train fare	BART San Francisco (BECKER)	\$ 4.65	A4NR Visa Statement 06-16
	6/14/2016	Cab fare	National Cab San Francisco	\$ 15.00	A4NR Visa Statement 06-16
	6/14/2016	Cab fare	SFR Taxi San Francisco	\$ 15.25	A4NR Visa Statement 06-16
	6/14/2016	Hotel	Holiday Inn Golden Gateway San Francisco (WEISMAN)	\$ 331.63	A4NR Visa Statement 06-16
	6/14/2016	Hotel	Holiday Inn Golden Gateway San Francisco (BECKER)	\$ 331.63	A4NR Visa Statement 06-16
	6/15/2016	Airfare	Southwest Airlines (SFO-SAN-BECKER--changed from SN)	\$ 261.98	A4NR Visa Statement 06-16
	6/16/2016	Train fare	BART San Francisco	\$ 4.00	A4NR Visa Statement 06-16
	6/16/2016	Airfare	Southwest Airlines (SFO-SAN-BECKER) airport change fee	\$ 12.00	A4NR Visa Statement 06-16
	6/17/2016	Train fare	Caltrain SF-SJC WEISMAN	\$ 5.75	A4NR Visa Statement 06-16
	8/3/2016	Airfare	Southwest SAN-SFO for BECKER	\$ 73.98	A4NR Visa Statement 08-16
	8/29/2016	Train fare	Amtrak SLO-SJC BECKER	\$ 34.00	A4NR Visa Statement 09-16
	8/29/2016	Cab fare	Royal Taxi San Francisco (BECKER)	\$ 15.75	A4NR Visa Statement 09-16
	8/29/2016	Train fare	Caltrain SJC-SF BECKER	\$ 4.75	A4NR Visa Statement 09-16
	9/3/2016	Hotel	Holiday Inn Golden Gateway San Francisco (BECKER)	\$ 893.97	A4NR Visa Statement 09-16
	9/3/2016	Train fare	Amtrak SJC-SLO BECKER	\$ 38.25	A4NR Visa Statement 09-16
	9/17/2016	Train fare	Amtrak Oakland Coliseum station-SLO BECKER	\$ 39.10	A4NR Visa Statement 09-16
	9/17/2017	Train fare	Caltrain SF-SJC BECKER	\$ 5.57	A4NR Visa Statement 09-16
	9/17/2016	Hotel	Holiday Inn Golden Gateway San Francisco (BECKER)	\$ 395.79	A4NR Visa Statement 09-16
	1/11/2017	Hotel	Holiday Inn Express-Oakland-BECKER	\$ 233.37	A4NR Visa Statement 01-17
	1/11/2017	Hotel	Holiday Inn Express-Oakland-WEISMAN	\$ 233.37	A4NR Visa Statement 01-17
	1/11/2017	Train fare	BART Oakland to San Francisco-Weisman	\$ 20.00	A4NR Visa Statement 01-17
	1/11/2017	Train fare	BART Oakland to San Francisco-Becker	\$ 20.00	A4NR Visa Statement 01-17
	1/12/2017	Train fare	Caltrain SF-SJC BECKER	\$ 4.75	None: under \$20
	1/12/2017	Train fare	Caltrain SF-SJC WEISMAN	\$ 9.75	None: under \$20
	1/12/2017	Train fare	Amtrak SJC-SLO WEISMAN+BECKER	\$ 74.00	A4NR Visa Statement 01-17
	6/11/2014	Hotel	GEESMAN-Best Western San Luis Obispo 1 night	\$ 139.99	Geesman Receipt 01
	10/20/2015	Hotel	Geesman-Best Western San Luis Obispo-1 night	\$ 122.23	Geesman Receipt 02
	6/20/2016	Hotel	Geesman-Vagabond Inn San Luis Obispo-2 nights	\$ 178.54	Geesman Receipt 03
	Subtotal Travel Expenses:				\$ 16,261.87
	Total Costs and Expenses:				\$ 17,495.07



Alvin S. Pak
Attorney at Law

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PROFESSIONAL EXPERIENCE

LAW OFFICES OF ALVIN S. PAK.
August 2014 to Present

Private practice providing legal and regulatory counsel to select clients. Responsible for representing clients in regulatory litigation before the Federal Energy Regulatory Commission, the California Public Utilities Commission, the Public Utilities Commission of Nevada, the Oregon Public Utility Commission, and other agencies in matters related to wholesale and retail rates, environmental and regulatory compliance, facility permitting, and competitive energy services.

SEMPRA ENERGY CORPORATION.
Senior Federal Regulatory Counsel, Sempra Law Department,
July 2008 to August 2014
Present.

Senior attorney providing legal, business and regulatory counsel to major electric and gas utility company. Responsible for representing client organizations in regulatory litigation before the Federal Energy Regulatory Commission and California Public Utilities Commission, including matters related to wholesale and retail rates, federal smart-grid policy, California ISO market structure, and regional and subregional transmission planning. Chairman of Legal Committee of California Transmission Planning Group, a California nonprofit association organized by California transmission owners and service providers for the purposes of complying with Orders 890 and 1000 of the Federal Energy Regulatory Commission.

SEMPRA GLOBAL ENTERPRISES.
Director, Global Enterprises Regulatory Affairs,
April 2002 to July 2008.

Director of regulatory and legislative analysis department providing business and regulatory counsel to diverse group of domestic and foreign-based enterprises (power plant and natural gas infrastructure development and operation, wholesale and retail energy marketing and trading, and communications). Responsible for managing regulatory litigation, analyzing regulatory and legislative matters of interest to executive management and project leadership teams, and providing legal, regulatory, political, economic, and market assessments relevant to general and specific issues related to

corporate and subsidiary strategies, initiatives and operations. Representative projects include:

- Development, coordination and implementation of regulatory rules and market structure facilitating delivery of liquefied natural gas into California natural gas markets.
- Development, coordination and negotiation of corporate positions related to rates, rules and regulations of regional transmission organizations and transmission system operators, including California PUC and ISO, Midwest ISO, PJM Interconnection, ISO New England, New York ISO, ERCOT, and GridWest.
- Representation before California Energy Commission re public policy initiatives and annual statewide energy-planning process.
- Expert testimony on behalf of retail service provider in licensing application pending before the Arizona Corporations Commission.
- Expert testimony on behalf of Northwest Independent Power Producers Coalition before Oregon Public Utilities Commission, Michigan Public Service Commission, Maryland Public Service Commission, Washington Utilities & Transportation Commission, and Utah Public Service Commission re structure of wholesale power market and implementation of long-term resource planning.
- Regulatory risk and approvals analysis of proposed mergers and acquisitions in corporate due diligence reviews.

JEFFER, MANGELS, BUTLER & MARMARO LLP.
Practice Leader, Energy and Regulatory Practice Area,
December 2000 to March 2002.

Energy-sector and regulatory practice leader managing lawyers providing business and legal counsel to parties with interests in the western region power markets, and representation of clients before the California State Legislature, the California Public Utilities Commission, the California Energy Commission and related state, regional and federal agencies. Clients included, among others, power marketers, retail energy service providers, large commercial and industrial energy consumers, public agencies with interest in development of California power markets, and technology developers entering electricity and natural gas markets. Representative engagements include:

- Consultant to major metropolitan city evaluating cash-flow and revenue impacts to water and power operations implicated by proposed secession by various local community groups.
- Representation of Mitsubishi Energy Trading Corporation, a major multinational corporation in development phase of new LNG infrastructure project in Southern California.
- Counsel to emerging independent power producer and project developer.
- Preparation of successful contract proposals by Internet application service provider to implement demand-reduction auctions in service areas of Sacramento Municipal Utility District and San Diego Gas & Electric Company.

- Representation of City of Huntington Beach, California, a municipality-intervenor in siting matter before the California Energy Commission (resulting in unprecedented requirement that developer execute an inframarket power contract with the State of California as a condition of site permit).
- Representation of Cities of Los Angeles, Palos Verdes, Long Beach, and Pasadena in interruptible-programs proceeding before the California Public Utilities Commission resulting in waiver of rate penalties and unique requirement that serving utility provide detailed advance notice to client regarding location and timing of rotating electricity outages.
- Counsel to large commercial and industrial customers in evaluating strategies for reducing energy costs and vulnerability to forced electricity outages.
- Management consultant providing assessment of strategic plans and initiatives for start-up Internet power trader and energy-service provider based in Philadelphia, Pennsylvania.
- Representation of large commercial and industrial customers in negotiation of power and gas contracts between and energy service providers under California direct-access rules.

R.J. RUDDEN ASSOCIATES, INC.

Principal Consultant,

June 2000 to December 2000.

Consultant providing legal and related professional services related to state and federal energy regulation. Services provided as a senior associate to R.J. Rudden Associates, a subsidiary of Black & Veatch based in Hauppauge, New York, providing management and strategic consulting services to firms in the international energy industries.

Assignments included development of policy positions favoring supporting demand-response protocols in emerging competitive market structures for retail electricity, analysis of Internet-based joint-venture power-marketing initiative between major U.S. utility and insurance companies, economic analysis of privatization proposal for major municipal electric utility, and corporate strategy analysis for foreign utility anticipating adoption of restructured regulatory environment in the United States.

ElectricWindow.Com, INC.

Vice President, Corporate Development, and Chief Operating Officer,

October 1998 to May 2000.

Chief operating officer for Internet vertical portal development firm. Responsible for corporate and business planning, budgeting, staffing and operational oversight of a multifunctional web site serving the practitioner communities within the international energy and electricity industries. Managed functions included strategic planning, finance and administration, practitioner community development, sales, marketing, public relations, investor relations, and product and content development.

ELECTRIC POWER RESEARCH INSTITUTE.
Director, Corporate Development, Office of the President,
July 1996 to October 1998.

Director of strategic planning and business development for the largest U.S. nonprofit scientific and technological research and development consortium. Reported to the President of the Institute and held responsibility for leading and coordinating senior executive planning activities related to corporate development -- directly developed and presented current seven-year business plan and organizational structure. Also held executive responsibility for new business development related to public-sector research and development, directing legislative activities and project proposals related to multi-million dollar projects and public grants and contracts. Served as Senior Counsel, Regulatory Relations, representing the Institute before relevant state and federal energy regulatory agencies. Member of Institute Executive Leadership Team and senior management staff.

ENOVA TECHNOLOGIES, INC.
Vice President, Development,
September 1995 to February 1996.

Operations officer and member of the Board of Directors of venture-capital firm specializing in the marketing and commercialization of emerging energy-related technologies, products and services. Principal author of Enova Technologies conceptual business design and business plan, and responsible for overseeing and managing the firm's incorporation and formation. Responsible for the development and execution of market analysis and product line business plans, including formation of alliances, joint ventures, partnerships, franchises and ownership syndication strategies related to five diverse emerging technologies, ranging from traditional utility technologies to wireline-based electronic-commerce appliance to fabrication of high-strength construction components from composite materials.

SAN DIEGO GAS & ELECTRIC COMPANY.
Group Manager, Strategic Plans & Projects,
January 1993 to September 1995; February 1996 to July 1996.

Director of Technology & Product Development Group (corporate research and development function with annual budget of \$44.7 million) and Co-Director of the New Business Development Group. Additional temporary assignments during this period included Project Manager, Corporate Strategic Planning Project (responsible for selecting and managing multidisciplinary internal team and outside management consultant; managing the development of financial models and analyses and preparation

and approval of economic and regulatory forecasts affecting candidate strategies; and presenting recommendations to senior management and Board of Directors -- project resulted in approval by Board of Directors of ten-year corporate strategy); and Team Leader, Alternative Industry Models Project (serving as principal policy analyst and overseeing development of economic and financial analyses related to various alternative corporate and industry structural models presented to senior management, Board of Directors and state regulatory agencies). During second tenure in position (1996), responsible for "advance guard" regulatory interventions submitted in fourteen state electricity-industry restructuring proceedings on behalf of parent Enova Corporation and affiliate Enova Energy Services.

SAN DIEGO GAS & ELECTRIC COMPANY.

**Regulatory Policy Director and Counsel,
January 1987 to January 1993.**

Manager of the San Francisco Regulatory Affairs Office. Served as Principal Author, Policy Witness and Project Manager of Performance-Based Ratemaking Project (project resulted in reform of century-old regulatory procedures governing the operations and oversight of California energy utilities and personal recognition as the inaugural recipient of The President's Award for Extraordinary Achievement). General duties included coordination of regulatory litigation before state and federal regulatory agencies; formal and informal representation of the company and industry before state and federal legislative bodies; providing regulatory, political and legal advice to senior management officials and Board of Directors; reporting and analyzing regulatory and political events and trends of interest to the company and the news media; managing the budget, operations and physical plant of the company's San Francisco Office; and appearing as regulatory trial counsel before the California Public Utilities Commission.

OFFICE OF PUBLIC UTILITIES COMMISSIONERS VICTOR CALVO and DONALD VIAL.

**Counsel and Senior Aide to the Commissioner,
January 1984 to July 1986.**

Principal aide and advisor to Commissioners of the Public Utilities Commission of the State of California. Served as Principal Author of California decisions implementing the divestiture of Pacific Bell from AT&T and adoption of competitive intrastate long-distance telecommunications service (1984), deregulating intrastate for-hire common carrier trucking (1985), reviewing reasonableness of costs of construction of San Onofre Nuclear Generating Stations Units 2 and 3 and Helms Creek Pumped Storage Facility, and addressing first interLATA general rate case of AT&T of California (1986). General duties included the review and analysis of formal and informal matters requiring the Commissioners' attention and/or signature; the drafting and preparation of orders, opinions, decisions and speeches on behalf of the Commissioners and the Commission; the development of regulatory, policy and legal options concerning the economic

regulation of investor-owned public utilities; and providing general advice on all aspects of regulation and legislation, with emphasis on the legal and policy implications of Commission actions regarding the major energy, telecommunications and transportation utilities in the State of California.

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA.

**Staff Attorney and Trial Counsel,
September 1978 to December 1983.**

Trial lawyer and appellate counsel in the Legal Division of the California Public Utilities Commission. Duties included acting as trial counsel in regulatory proceedings before administrative agencies, primarily involving the rate and siting applications of the State's major public utility corporations; preparation and presentation of showings on behalf of the agency's expert staff; cross-examination of opposing expert witnesses in diverse disciplines (e.g., economics, finance, engineering, taxation, energy policy and telecommunications policy); drafting of pleadings, motions and briefs; representation of Commission during administrative and judicial review; providing legal advice to the Commissioners, agency staff and the public as to regulatory issues; and training new agency lawyers and witnesses in trial procedures and strategies.

PROFESSIONAL ORGANIZATIONS AND AFFILIATIONS

Member, State Bar of California.

Member, Federal Energy Bar Association.

Chairman, California Transmission Planning Group Legal Committee, 2009 to 2012.

Member, California Conference of Public Utility Counsel, 2006 to 2014.

Member, Executive Board, Northwest Independent Power Producers, 2002 to 2006.

Member, Regulatory Committee, Independent Energy Producers Association, 2002 to 2008.

Chairman and Member, Board of Directors, Western Power Trading Forum, 2004 to 2006.

Member, Board of Directors, Apogee Interactive, Inc., 2000 to 2003.

Member, Policy Board of Directors, California Foundation on the Economy and the Environment, 1988 to 1993.

Member and Chair, California Utility Research Council, 1993 to 1996.

Member of the Board of Directors of KABL Radio San Francisco, 1984 to 1993.

EDUCATIONAL BACKGROUND

Juris Doctor, University of San Francisco School of Law, 1978.

Bachelor of Arts, University of California Berkeley, 1975.

PUBLICATIONS

Gehl, Dr. Stephen L., Dr. Gail McCarthy and Alvin S. Pak, "Industry Roadmaps for Technical Innovation," Trends in Industrial Innovation, Sigma Xi Scientific Research Society; Baltimore, Maryland; November 1997.

Pak, Alvin S., "Electricity-Industry Restructuring and Research: A View to the Horizon," EPRI Technology Delivery; San Francisco, California; June 1997.

Pak, Alvin S., "Restructuring in the U.S. Electricity Industry," Electricity: 1997 Annual Report, Canadian Electrical Association; Vancouver, British Columbia; April 1997.

Pak, Alvin S., "The Emerging Market for Distributed Resources: Assessment of Regulatory Trends," EPRI Distributed Resources Manual; Vancouver, British Columbia; November 1996.

Pak, Alvin S., "Performance-Based Regulation: Regulatory Reform for Energy Utilities," TRADE Performance Indicators, United States Department of Energy; Baltimore, Maryland, May 1995.

Pak, Alvin S., "Performance-Based Ratemaking: The San Diego Gas & Electric Experiment," Carrots & Sticks Incentive Regulation Conference Proceedings, University of Illinois Press; Chicago, Illinois; April 1994.

Pak, Alvin S. and George Liparidis, "Get Ready for the Newest Competitor: The Vertically Integrated Utility," Electricity Journal, Volume 6, No. 3; Seattle, Washington; April 1993.

Pak, Alvin S., "Performance-Based Regulation: Jump-Starting the Era of Shared Purpose," Electricity Journal, Volume 5, No. 10; Seattle, Washington; December 1992.

Pak, Alvin S. and Lisa J. Hubbard, "Fourth-Level Integration: Regulatory Challenges and Opportunities in Demandside Management," Demandside Management Challenges, Canadian Electrical Association; Toronto, Canada; October 1990.



Buchalter

Gwenneth O'Hara

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Shareholder

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Areas of Practice & Industry Specialties
Energy & Natural Resources; Corporate Law



Gwenneth O'Hara is Chair of the Energy and Natural Resources Practice Group and a member of the Firm's Corporate Practice Group. Ms. O'Hara advises public and private entities with large infrastructure projects, and advises on all aspects of public contracting. Ms. O'Hara assists clients with contract administration and development of form RFPs and PPAs, incorporating current state contracting requirements. She also assists clients with negotiation and drafting of interconnection, transmission, energy, gas and related contracts and custom bilateral arrangements. In addition, Ms. O'Hara represents clients at the CPUC, CAISO, FERC, CARB, and CEC. She also represents airports, cities, counties, and state agencies as bond and disclosure counsel.

Representative representations include:

- Primary responsibility for the administration of a \$46 billion portfolio of public power contracts, including negotiation and amendment of contracts, administration, operations, as well as regulatory and finance matters.
- Advising a California state agency on a \$15 billion infrastructure project to build two large, four-story tall tunnels to carry potable water from the Sacramento River to the Central Valley, including regulatory issues, contracting, and coordination with other stakeholders.

Advising a Regional Transmission Operator (RTO) on interconnection issues and creating systems to track compliance with tariff provisions.

Prior to joining Buchalter, Ms. O'Hara was the founding member of a boutique law firm with three offices in California. She is the President of the Association of Women in Water, Energy, and Environment and currently serves on the board of UC Berkeley's International Human Rights Law Clinic. Ms. O'Hara is a member of the Energy Bar Association and the Conference of California Public Utility Counsel.

Ms. O'Hara received her J.D. and B.A. from the University of California, Berkeley.

Bar Admission
California

Buchalter

Ann Springgate

Sacramento, CA
San Francisco, California
Special Counsel

P (415) 227-3545
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Areas of Practice & Industry Specialties
Energy & Natural Resources; Corporate Law



Ann Springgate is Special Counsel in Buchalter's Corporate and Energy and Natural Resources Practice Groups. Ms. Springgate's practice focuses on project finance, public policy development, and regulatory compliance, particularly relating to energy and infrastructure projects. She has advised public and private entities on a wide variety of contracts and financial transactions, including public-private partnerships, asset-based and project financings, stock and asset purchases, mergers and acquisitions, and secured and unsecured credit facilities.

Prior to joining Buchalter, Ms. Springgate represented clients at AmLaw 100 Firms, the U.S. Department of Homeland Security, and the Judicial Council of California. Ms. Springgate received the FEMA Office of General Counsel Award for Excellence and several Judicial Council Legal Division quarterly awards.

Representative Experience

- serving as lead counsel to a California public agency on a unique public-private partnership for the design, construction, financing, operation, and maintenance of a large courthouse in Long Beach, California. The project agreement has a term of 35 years with a net present value of \$725 million;
- while with Department of Homeland Security/FEMA, advised senior management of federal and state agencies in Louisiana following Hurricanes Katrina and Rita. With team, spearheaded unprecedented disaster recovery initiatives under tight deadlines relating to large-scale infrastructure projects, including roads, canals, and civic facilities, among others;
- drafting, negotiating and advising private sector clients on complex contracts for construction of major manufacturing facilities, including project and asset-based financings and debt offerings; and
- advising a California state agency on the development of utility-scale renewable energy projects, including power purchase agreements and shared facility arrangements, the procurement process, and drafting and reviewing solicitation documents and selection criteria.

Education

Ms. Springgate earned her J.D. from the UCLA School of Law in 1987, her LL.M. from the University of Cambridge in 1989, and her B.A. from the University of California, Davis.

Bar Admission

California

Buchalter

Meghan Cox

Sacramento, CA
Attorney

P (916) 945-5176
mcox@buchalter.com

Areas of Practice & Industry Specialties
Energy & Natural Resources; Corporate Law



Meghan Cox is an Attorney in Buchalter's Corporate and Energy and Natural Resources Practice Groups. She advises clients on major energy and infrastructure project development, including negotiating land rights agreements, interconnection agreements and shared facilities agreements, and navigating state and federal regulations and CEQA requirements.

Ms. Cox represents public entities, corporations, electric service providers, public interest groups, and a regional independent system operator. She has extensive experience advising clients on regulatory issues and appears before the California Public Utilities Commission, Federal Energy Regulatory Commission, California Air Resources Board, and the California Energy Commission, among others.

Prior to law school, Ms. Cox served as a budget analyst at the California State Treasurer's Office.

Education

Ms. Cox earned her J.D. in 2009, with distinction, from the University of the Pacific, McGeorge School of Law. While in law school, Ms. Cox was admitted to the Traynor Honor Society, earned the Witkin Award for academic excellence, and was a Sacramento County Bar Association Diversity Fellow. Ms. Cox earned her B.A. in History from California State University, Sacramento in 2004.

Bar Admission

California



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Richard Wolfe

Summary of qualifications

Experienced technology leader and degreed engineer with a broad technical background in the areas of: Electrical Transmission System Business, Power Plant Operations, Procedure Development and Implementation, Facility Management, Network Engineering, Project Management, Disaster Recovery, Finance and Accounting, Enterprise Security, Audit and Risk Assessment.

Professional Experience

The Resero Corporation (January 2005 – Present)

Vice President, Chief Financial Officer

As co-owner and Vice President/CFO, provided leadership, technical expertise, and fiduciary duties for the S-Corporation.

Accomplishments include:

- Start-up of the S-Corporation
- Perform technical analysis of complex matters relating to the economics, policy, and engineering of high-voltage electrical transmission systems
- Perform asset valuation for client equipment
- Manage company day-to-day financial matters
- Create, negotiate, and administer contacts for customers, vendors, and subcontractors
- Manage IT systems, personnel - including contractors, and purchasing
- Advise the company president in matters of strategy and finance
- Corporation has been profitable each year of operation

The McKesson Corporation, Rancho Cordova, CA (March 1995 – March 2003)

Director, Engineering Services

Provided leadership to managers and staff as well as oversight of vendors in a variety of disciplines including Network Engineering and Security, Data Facility Engineering, Audit Liaison, Disaster Recovery, Technical Help Desk, Accounting, and Physical Security. Responsible for annual budgets in excess of \$10 million.

Accomplishments included:

- Attracted and retained top talent
- Consistently achieved zero budget over-runs
- Maintained close working relationships with other organizations including: Senior Management, Internal Audit, Risk Management, Corporate Real Estate, Drug Distribution, Software Business, Enterprise Security, Customer Care, Finance and Accounting, etc.

- Created the Corporation's IT disaster recovery plan
- Developed an IT liaison service for the Corporation's Real Estate group to streamline new construction projects (McKesson controlled over 14 Million square feet of real estate at the time of my departure)
- Performed functions as a senior member of the IT organization's leadership team
- Designed an in-house VPN solution to support remote employees
- Restructured the Company's data center physical security systems and organization
- Automated the purchase order system
- Created and oversaw the annual McKesson Charity Basketball Tournament that raised \$20K in 2002 (the last year held)
- Led a Technical Helpdesk redesign team

Manager, Data Center Facilities

Managed the Corporation's data center facilities and computer rooms with day-to-day activities that included: design engineering, project management, vendor management, space planning, new facility construction support, equipment installation, capital and expense budget management. Annual budget in excess of \$4 million.

Accomplishments included:

- Created operating procedures and policies that resulted in 100% up-time for the company's main data center for the 8 year period when it was under my control
- Accomplished enterprise-wide power system improvements including UPS systems, emergency generators, lightning and surge defense systems; all resulting in improved reliability and productivity for the Corporation's pharmaceutical distribution business (largest in the US).
- Created the Corporation's first intranet site in 1996.
- Maintained close working relationships with vendors and other organizations within McKesson.
- Completed confidential business projects for the Corporation's CIO and acted as an internal consultant to senior management.
- Completed on-site risk assessment studies at all drug distribution centers and data processing facilities
- Completed Y2K preparations for the Corporation's facilities which experienced no failures
- Provided IT support and project management for new distribution centers nationwide
- Provided IT and Facility support for real estate transactions

Sacramento Municipal Utility Dist., Sacramento, CA (April 1981 – January 1992)

Senior Reactor Operator, Rancho Seco Nuclear Power Plant

Positions held included Operations Assistant Shift Supervisor, Nuclear Licensing Instructor, Technical Procedure Writer, Special engineering projects.

Accomplishments included:

- Daily oversight of operations and maintenance for the 972 MW nuclear generation station
- Operational compliance with Title 10 of the Code of Federal Regulations and the Plant SAR including procedural compliance, reporting, validation of procedural changes with the Plant SAR and 10CFR, maintenance activity compliance, and safety system testing
- As a Procedure Writer: developed operating and surveillance test procedures in accordance with the plant license

- As a Senior Technical Instructor: developed and implemented training programs on a variety of subjects that included: reactor theory, electrical distribution systems, procedural compliance, etc.
- As an SRO, led multidisciplinary teams through startup testing programs of power plant electrical safety systems
- Participated in a year long multidisciplinary task force engaged in a comprehensive risk assessment of plant systems and procedures
- Developed and implemented safe clearance practices
- Worked on special projects as requested including simulator development team where I spend time with CAE in Canada developing a simulator program for the power plant control room

Education

- BS, Mechanical Engineering, California State University, Sacramento
- AS, Physical Sciences, American River College, Sacramento, California

Training, Certifications & Associations

- American Association of Energy Engineers
- Senior Reactor Operator License (NRC)
- National Electrical Code
- Advanced Power Quality
- Uniform Plumbing Code
- Design of Electric Power Systems
- TCP/IP Internetworking



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SUMMARY

Ms. Wolfe is President of Resero Consulting and has more than 29 years' experience with electric utilities and in the energy industry. She provides expert strategic support to individual clients and works in multi-stakeholder environments performing large studies and policy assessments. She has been responsible for performing market structural analyses; contributing to market designs and performing market power studies. Ms. Wolfe has extensive experience in Western markets and in ERCOT: works with market participants to set strategy in the CAISO and ERCOT markets, evaluated benefits and costs associated with the RTO-West; WestConnect, ERCOT and SPP; developed tariffs and implementation processes for ERCOT and other ISOs. She has represented clients in a number of industry forums, led extended seminars on market design details, is an adept facilitator of diverse stakeholders, and serves as an expert witness on critical wholesale energy matters.

Prior to forming Resero, Ms. Wolfe was a Director with CRA International and a Vice President with its predecessor firm, Tabors Caramanis and Associates, where she directed teams of consultants in the performance of studies and analyses.

Prior to joining Tabors Caramanis & Associates, Ms. Wolfe was a Senior Consultant for Henwood Energy Services Inc. Her work there included quantitative analysis to support strategic decisions about energy purchases and sales, forecasting of future energy prices, and policy support in the California restructuring arena.

Ms. Wolfe worked as a System Scientist at Lawrence Livermore Laboratory, providing quantitative and qualitative support addressing a wide variety of government and private policy issues.

Ms. Wolfe also worked as a Plant Engineer for the Sacramento Municipal Utility District overseeing maintenance and design upgrades for a wide variety of plant electrical distribution and instrument and controls systems, as well as working as a shift technical advisor to the Operations department and holding the role of Senior Licensing Engineer. She holds a Bachelor's degree in Electrical Engineering from the University of California, Davis, and Masters' degrees in Management, and Technology and Policy from the Massachusetts Institute of Technology. Ms. Wolfe is a registered Electrical Engineer in the state of California.

EDUCATION

Decision Analysis and Dynamic Systems, graduate coursework, Stanford University, 1992-1993.

M.S. in Technology and Policy, Massachusetts Institute of Technology, 1991.

M.S. in Management, Massachusetts Institute of Technology, 1991.

B.S. in Electrical Engineering, University of California, Davis, 1984.

EXPERIENCE HIGHLIGHTS

President, Resero Consulting, Granite Bay, CA, March 2005 – present. Leads efforts to resolve critical utility industry issues, including executive strategic support, policy advocacy, electric system modeling and analysis, and acting as an expert witness.

Director, Charles River Associates, Granite Bay, CA, Nov 2004 – March 2005. Directed large-scale restructuring policy evaluations, advises clients on critical ISO/RTO matters, including serving as expert witness.

Senior Consultant and Vice President, Tabors Caramanis & Associates, Cambridge, Massachusetts, 1997 – Nov 2004 (acquisition by CRA). Involved in setting restructuring policy and working with market participants in CA, NV and ERCOT; led large-scale cost-benefit studies; performed other modeling analyses.

Senior Consultant, Henwood Energy Services, Inc., Sacramento, California, 1995-1997. Responsible for quantitative analysis to support strategic decisions, and for policy support in the California restructuring arena.

Systems Scientist, Lawrence Livermore National Laboratory, Livermore, California, 1991-1995. Provided quantitative and qualitative support addressing a wide variety of government energy and environmental programs.

Senior Licensing Engineer, Shift Technical Advisor, Plant Engineer, Sacramento Municipal Utility District Rancho Seco Nuclear Generating Station, Sacramento, California, 1982-1989. Provided a wide range of power plant support.

FIELDS OF EXPERTISE

- Market Structure Design
- Energy Analysis and Modeling
- Market Participation in Restructured Environments
- Multi-Stakeholder Policy Making
- Quantitative Modeling, including decision analysis, risk assessment and simulation
- Power Plant Operations

MAJOR PROJECTS

Electricity Industry Strategy & Restructuring

Strategic Decision Making: Structure and bring industry knowledge to high-level strategic decisions. Served as consultant to CEO of Valley Electric Association in their strategic decision making regarding renewable buildout, variable resource management and transmission and operating costs in its decisions regarding joining the CAISO; and served as liaison designing a transition mechanism into the CAISO.

Market Redesign Advocacy, Expertise and Support: Have supported clients on strategic and transitional issues, including serving as the Western Power Trading Forum's market redesign consultant. Performed valuation and strategic support to clients through Congestion Revenue Right allocation and auction processes. Developed and led seminars throughout the U.S. on Locational Marginal Pricing and Congestion Revenue Rights. Provided analyses on contract matters related to market redesign.

Litigation Support: Provided testimony, expert litigation support and served as witness on matters ranging from contract interpretation, contract pricing terms under alternative market designs, market participant software valuation, regulatory policy and tariff cost/rate allocation issues.

Cost-Benefit Studies: Project manager for four large-scale, high-profile restructuring cost-benefit studies in SPP, ERCOT, WestConnect, RTO West. Efforts included substantial quantitative and qualitative analysis.

Energy Modeling: Modeled transmission system flows, energy pricing and profitability for cost-benefit studies and market power studies in a restructured environment. Valued expected congestion and losses in locational marginal pricing markets and assisted clients to maximize value of transmission rights. Modeled forward energy prices in restructured environments in the Western US and supported clients on strategy for power plant development, contract renegotiations and other strategic decision-making.

California Wholesale and Retail Settlements and Scheduling Support: Conducted service to evaluate complex ISO bills and represent clients on settlement matters. Represented clients on billing dispute matters.

ERCOT ISO Restructuring Support: Led team to develop draft protocols for filing at the Public Utilities Commission of Texas. Developed draft protocols, and worked with stakeholders to gain consensus and resolve policy issues.

Restructuring Support: Ongoing support for two large market participants to design market rules and infrastructure as part of a Nevada and CA restructuring stakeholder processes. Drafted relevant settlement processes and reached consensus on such with other stakeholders. Wrote RFP for Mountain West ISA major systems and served on vendor selection team. Developed, and proposed retail settlement policies.

Power Plant Operations

Licensing Support: Represented a utility on all aspects of plant operation with the Nuclear Regulatory commission and other regulatory agencies.

Operations Advisor: Served as engineering advisor to power plant operating crews, ensuring nuclear safety and effective operation.

PAPERS, PUBLICATIONS, EXPERT SUPPORT AND TESTIMONY

Wolfe, E., Direct Testimony before the Public Utilities Commission of Texas, February 2016: Docket 45624, on behalf of Southern Cross Transmission LLC and the City of Garland.

Wolfe, E., Expert Report October 2015, Amended Expert Report November 2015, and oral testimony April 2016: Analysis of winder curtailment in contract dispute for wind producer in the Southwest Power Pool market. US District Court, Western Division of Missouri. Kansas City, MO.

Wolfe, E., Oral Testimony and Analysis: International Institute for Conflict Prevention and Resolution, arbitration involving contract dispute for wind producer in the Midcontinent Independent System Operator market. Indianapolis, IN, April 2014.

Wolfe, E., Expert Analysis, April 2013. Analysis in support of FERC California power market investigation. (Report not filed given confidential settlement.)

Wolfe, E., Expert Analysis, 2013. Analysis in support of FERC California power market investigation. (Report not filed; ongoing investigation.)

Wolfe, E., et. al. "Cost Benefit Analysis of Entergy and Cleco Power Joining the SPP RTO", Report to the Federal Energy Regulatory Commission, September 2010.

Wolfe, E., Oral Testimony: Superior Court of the State of California, County of San Diego, California Department of Water Resources v. Sempra Energy Resources. (Case GIC 789291), December 2009.

Wolfe, E. et. al. "Update on the ERCOT Nodal Market Cost-Benefit Analysis," Final Report Presented to Public Utilities Commission of Texas, December 2008.

Wolfe, E., Testimony Expert Report Affidavit, May, 2007. American Arbitration Association involving contract dispute for power purchase agreement in California.

Wolfe, E., Ralph Luciani. Testimony Presented to the State Corporation Commission of the State of Kansas regarding the costs and benefits of the implementation of an Energy Imbalance Service, July 2005.

Wolfe, E., "Barriers to Systems Dynamics Deployment in Business and Policy Making: Lessons Learned through Assessing Electric Utility Restructuring Policy," *Proceedings: Systems Dynamics Society Conference*, Boston, MA, July 2005.

Wolfe, E., Ralph Luciani. Testimony Presented to the Public Service Commission of the State of Arkansas regarding the costs and benefits of the implementation of an Energy Imbalance Service, May 2005.

Wolfe, E. Testimony: Expert Report Affidavit, May, 2005. American Arbitration Association involving contract dispute for power purchase agreement in California.

Wolfe, E. et. al. "Southwest Power Pool Cost-Benefit Analysis," Final Report Presented to the Regional State Committee, April 2005.

Wolfe, E. Testimony: Expert Report Affidavit, February, 2005. Affidavit regarding sellers' choice contract delivery points in CA ISO markets. (Not filed given confidential settlement.)

Wolfe, E. et. al. "Market Restructuring Cost-Benefit Study," Final Report Presented to Electrical Reliability Council of Texas, November 2004.

Wolfe, E. Testimony: Federal Energy Regulatory Commission, Docket No. ER00-565-000, ER00-565-03, November, 2004. Settlement of Turlock Irrigation District's Schedule Coordinator Services agreement with Pacific Gas & Electric regarding the allocation of CA ISO charges.

Wolfe, E. Testimony: Expert Report Affidavit, July, 2004. Expert opinion regarding CA ISO Scheduling and settlement software. (Record sealed due to confidential settlement).

Wolfe, E. Testimony: Federal Energy Regulatory Commission, Docket No. EL00-95-000, -048,-075, et. al., March 20, 2003. Consistency of Coral Power, L.L.C.'s market behavior with CA ISO tariff.

Wolfe, E. et. al. "RTO West Cost-Benefit Study," Final Report Presented to RTO West Filing Utilities, March 11, 2002

Wolfe, E. and Shreedevi Thacker, "Electric Restructuring Brings New Critical Business Requirements," *WorldPower 2002*, February, 2002

Wolfe, E., "ERCOT Summer 2001 Congestion Pricing: Primer, Results, Implications," *Proceedings: Congestion Pricing Conference*, Washington, D.C., November 16, 2001.

Wolfe, E. Testimony: Federal Energy Regulatory Commission, Docket No. ER00-2383-000, May 23, 2000. CA ISO separate "inc" and "dec" pricing and Target Price proposal.

Wolfe, E. Testimony: United States of America Bonneville Power Administration, BPA Docket WP-02, November 1999. Functionalization of Reactive Support.

Banaghan, E., "Market Power Measurement and Mitigation Analysis in the Face of Restructuring," *Proceedings: Energy Market Pricing Conference*, Vail, Colorado, August 10, 1999.

Banaghan, E. A., "California: What's Working and What's Not," *Proceedings: Buying and Selling Electricity in The Western Wholesale Power Market*, The Energy Institute, Las Vegas, Nevada, Summer 1998.

Banaghan, E. A., "California FTRs: The Market Perspective," *Proceedings: Buying and Selling Electricity in The Western Wholesale Power Market*, The Energy Institute, Las Vegas, Nevada, Winter 1998.

Banaghan, E. A., P.E., Testimony: Superior Court of the State of California for the County of Los Angeles, January 1997. QF contract dispute between wind energy producers and Southern California Edison regarding the start of the fixed price capacity payment period.

PROFESSIONAL DEVELOPMENT, AFFILIATIONS AND AWARDS

Registered Professional Electrical Engineer, California

Taking Heart in Tough Times, Joanna and Fran Macy, Hartland, VT. 2008

The Work that Reconnects, Joanna Macy, Hartland, VT. 2006

Executive Leadership Program, Institute for Women's Leadership, 2006-2007

Donella Meadows Fellow (www.sustainabilityinstitute.org/fellows)

Kent Wheatland Memorial Award for outstanding utility industry contribution, 2007

Negotiation and Conflict Resolution, University of California, Davis, 1993.

Licensed Nuclear Reactor Operator (expired)

CONTACT

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