			FILED
			01/31/18 01:38 PM
Date	Issue	Description	Hour
11/17/15	GP	Review CFC DRs 1st Set	1.00
11/18/15	GP	Conf call w/TR/NJ re CFC DRs 1st Set	2.50
12/03/15	ESCL	Review CFC DRs 2nd Set	0.35
12/04/15	GP	Conf call w/TR/NJ re CFC DRs 2nd set	0.65
12/04/15	GP	Conf call w/TR/NJ re CFC DRs 2nd set	1.30
12/04/15	ESCL	Conf call w/TR/NJ re CFC DRs 2nd set	0.70
01/26/16	#	Prep for call w/NJ/TR - review draft DR, draft issues list	0.60
01/26/16	GDST	Prep for call w/NJ/TR - review draft DR, draft issues list	0.40
01/27/16	#	Call w/NJ/TR re GRC strategy; CFC issues; DRs	2.00
01/31/16	GDST	Review/analyze PGE Suppl 17 to develop CFC strategy	1.50
02/02/16	#	Call w/NJ/TR re GRC stratgey; CFC issues; DRs	1.50
02/16/16	#	Call w/NJ/TR re GRC stratgey; CFC issues; DRs; testimony	2.00
02/01/16	GP	Call NJ/TR re stratgey for working w/TURN	0.75
02/02/16	#	Call w/TURN re GRC issues	1.00
02/02/16	GP	Call w/NJ/TR re follow-up to TURN mtg	0.50
03/09/16 03/09/16	#	Review materials from TR for GRC mtg	1.00
03/09/16	#	Review draft CFC testimony re IT Call w/NJ/TR re GRC stratgey; CFC issues; DRs; testimony	2.00
03/23/16	ELRE	Review/edit draft CFC DR6	0.30
03/23/16	#	Review/edit draft CFC DR6	0.20
03/30/16	GP	Call w/TURN re GRC issues	1.00
03/31/16	#	Call w/NJ/TR re testimony issues	0.50
04/06/16	#	Review/edit draft CFC testimony - uncollectibles	0.50
04/06/16	INSL	Review/edit draft CFC testimony - insurance exp	0.50
04/07/16	#	Call w/NJ/TR re CFC draft testimony	2.00
04/13/16	#	Call w/NJ/TR re CFC draft testimony & related issues	2.00
04/21/16	INDO	Review/edit draft CFC testimony - D&O insurance	0.50
04/21/16	GDST	Review/edit draft CFC testimony - leak mgmt	1.25
04/22/16	#	Call w/NJ/TR re CFC testimony issues	2.50
04/25/16	ELRE	Review/edit CFC draft testimony - elec dist reliability up grades	0.50
04/25/16	INSL	Review/edit 2nd version CFC draft testimony - insurance exp	0.25
04/25/16	#	Call w/NJ/TR re testimony issues	1.50
04/25/16	INSL	Review/edit draft CFC testimony - liability ins	0.50
04/26/16	GDST	Review/edit revised draft CFC testimony - leak mgmt	0.75
04/27/16	#	Review/edit near final versions of all testimony	0.50
04/27/16	GDST	Review/edit near final versions of testimony	0.40
04/27/16	ELRE	Review/edit near final versions of testimony	0.25
04/27/16	ESCL	Review/edit near final versions of testimony	0.25
04/27/16	INSL	Review/edit near final versions of testimony	0.25
04/27/16	INDO	Review/edit near final versions of testimony	0.10

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Date	Issue	Description	Hours	
04/27/16	GP	Call w/NJ/TR - review draft testimony;service logistics	1.75	
05/04/16	#	Review draft JCE	0.50	
05/04/16	GP	Call w/NJ/TR re next steps in GRC planning	11.00	
05/10/16	GDST	Review PGE DRs to CFC; CFC workpapers	1.50	
05/11/16	GDST	Call w/NJ/TR reresponses to PGE DRs to CFC; CFC workpapers	2.00	
05/31/16	#	Call w/NJ/TR re rebuttal testimony	0.75	
05/31/16	GDST	Call w/NJ/TR re rebuttal testimony	0.75	
06/03/16	#	Call w/NJ/TR re more detaila on rebuttal; hearings	2.00	
06/14/16	SN	Call w/NJ/TR re settlement issues; balancing accts; other	2.00	
06/23/16	SN	Call w/NJ/TR re settlement issues - reliability	1.00	
06/24/16	SN	Review proposed settlement term sheet	0.50	
06/24/16	SN	Call wNJ/TR re settlement term sheet	0.50	
06/25/16	SN	Call w/TR re settlement terms and possibly counter proposal	1.50	
06/26/16	SN	Draft memo to RH re proposed settlement issues	1.25	
06/27/16	SN	Call wRH re settlement issues	0.50	
06/27/16	SN	Call wNJ/TR re proposed changes in settlement terms	1.00	
07/14/16	SN	Call wNJ/TR re proposed changes in settlement terms	1.00	
08/02/16	SN	Call w/RH/NJ/TR re settlement issues	1.00	
08/11/16	SN	Call w/NJ/TR re strategic review of GRC & pathforward	2.00	
08/16/16	SN	Review/edit draft comments on disputed settlement issues	0.75	
08/24/16	SN	Review/edit draft reply comments on disputed settlement issues	0.50	
		TOTALS by Year	71.3	
		2015	6.5	
		2016	64.8	
		2017	0.0	
		TOTALS by Issue	71.3	
		, GP	20.5	
		GDST	8.6	
		ELRE	1.1	
		ESCL	1.3	
		INSL	1.5	
		INSP	0.3	
		INDO	0.6	
		SN	13.5	
		W	0.0	
		#	24.1	

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Date	Issue	Description	Hours
9/29/2015	W	workshop	6.0
9/28/2015	W	read presentations for workshop	1.0
10/2/2015	GP	meeting with team	0.5
10/3/2015	GDST	call with expert. Carro surveyor program.	1.2
10/12/2015	GDST	read testimony PGE	1.0
10/14/2015	GP	Talk to co cousel re. work with TURN and discovery.	0.6
10/15/2015	GP	talk with team	1.0
10/15/2015	GP	draft motion for party status	0.5
10/16/2015	#	read party/team emails	0.5
10/19/2015	ELRE	emails with Chargepoint	0.5
10/19/2015	#	read PHC ruling and protests	2.0
10/19/2015	ELRE	call with Chargepoint	0.8
10/19/2015	GP	Emails with Frank PG&E: re. motion for party status and NDAs.	0.4
10/20/2015	#	team meeting	0.7
10/21/2015	GP	Phone call with Frank from PGE: re. motion for party status and NDAs.	0.4
10/21/2015	GP	Call with co-counsel	0.3
10/21/2015	GP	read emails from Frank	0.5
10/27/2015	GP	read emails	0.3
10/27/2015	ELRE	Meet with TURN	1.4
10/28/2015	INSP	read testimony PGE	2.0
10/28/2015	GP	read/respond to emails: motions and PHC	1.0
10/28/2015	GP	read PHC documents	2.0
10/29/2015	#	email contact with team	1.0
10/29/2015	GP	PHC	2.0
11/2/2015	GP	Read pertinent parts of transcript	0.5
11/2/2015	GP	draft NOI	0.5
11/2/2015	GDST	communication with team	1.5
11/3/2015	GP	communication with team: PPH, NOI	1.0
11/3/2015	#	meeting with team: program proposal, contractor safety	1.2

Date	Issue	Description	Hours
11/4/2015	GP	read party emails: meet and confer	1.0
11/5/2015	GDST	emails: GDST	0.5
11/12/2015	#	discussion w/team: issues list	1.5
11/17/2015	GDST	emails with team	1.0
11/17/2015	GDST	read draft DR set. 1	1.0
11/18/2015	GDST	Draft DRs	1.5
11/18/2015	INSP	meeting with team re. DRs	2.5
11/18/2015	ELRE	emails with team: FERC	0.8
11/19/2015	GDST	Research: San Bruno costs	1.5
11/20/2015	#	meeting and emails with team: DR 1, 2.	2.0
11/22/2015	GP	discuss eratta protocol	0.5
11/23/2015	#	discussion with TURN	0.6
11/23/2015	GP	draft NOI	1.0
11/23/2015	GP	read party NOIs	0.6
11/24/2015	GDST	team conversation: response to DR1	1.5
11/30/2015	ELRE	discuss DR2	1.0
12/1/2015	INSL	read testimony PGE	2.0
12/2/2015	INSP	read emails	0.5
12/2/2015	INSP	discussion with team	0.8
12/2/2015	ELRE	read draft DR set2	0.5
12/2/2015	#	Team meeting	0.5
12/7/2015	GP	talk with team re. PGE time extension calls.	1.0
12/7/2015	GDST	read PGE request for extension to respond to DR and call PGE	1.0
12/8/2015	INSL	read data responses: Q37, Q20 attachments	2.0
12/8/2015	#	team meeting	1.0
12/8/2015	GP	read emails about time extensions	0.6
12/8/2015	ELRE	read emails re. DR#2	0.6
12/10/2015	GDST	Read reply to DR 1	1.0
12/11/2015	ELRE	review DR 2.	0.6
12/14/2015	GDST	review set #2 DRs. Definitions	2.0
12/14/2015	ELRE	discuss DR1 with team	0.9
12/18/2015	GP	read emails: PGE motion	0.3
12/18/2015	GP	read PGE motion	0.6
12/21/2015	INSL	team discuss IT issues	0.6
12/29/2015	INSP	team discussion: cost of capital issues	1.0

Date	Issue	Description	Hours
12/30/2015	GP	Read email ruling	0.6
1/4/2016	GP	reply to office communications.	1.0
1/5/2016	GDST	Read set #1 data request responses: 01,05,07)	1.5
1/11/2016	#	Read group emails/testimony draft	0.5
1/12/2016	GP	Conference Call to discuss public hearings/locations	0.5
1/13/2016	#	Meeting re: rebuttle testimony.	1.0
1/26/2016	INSL	Read testimony, supplemental	2.0
1/27/2016	INSL	review DR set #3 draft	1.0
1/27/2016	INSL	team meeting: original testimoy, replies of PGE	2.5
1/28/2016	INSL	draft responses to TURN/PGE	0.5
2/2/2016	GP	Meeting with team	2.0
2/3/2016	INSP	Research property ins.	1.0
2/11/2016	GDST	DR set #1, 36, PCD.	1.2
2/16/2016	INSP	read docs: testimony drafts, scoping memo, insurance expense PGE memo	1.5
2/16/2016	#	team meeting	2.0
2/17/2016	INSL	research IR code 162(f)	1.0
2/18/2016	INSP	read discovery responses	1.0
2/22/2016	INSP	research	1.5
2/23/2016	INSL	read DR responses	1.0
2/25/2016	ELRE	read Q responses, read provided CD	2.0
2/26/2016	ELRE	team meeting	0.4
2/29/2016	ELRE	read expert documents	1.5
3/1/2016	#	Issues meeting	1.1
3/2/2016	#	Meeting with TURN	1.3
3/2/2016	INSL	debrief: "safety" issues.	0.8
3/10/2016	INSP	prep for meeting	0.6
3/10/2016	INSP	research: property insurance, data requests from other parties, NTSB, IT testimony.	2.0
3/10/2016	GDST	read testimony	0.5
3/15/2016	GDST	call with Tony re. meeting	0.8
3/15/2016	#	Meeting with ORA	0.7
3/15/2016	#	Debrief with team	0.5
3/23/2016	INSP	Read DR #6 draft	0.6
3/25/2016	W	workshop	7.0

Date	Issue	Description	Hours	
3/30/2016	INSP	team meeting	1.2	
4/1/2016	#	review DR #7	0.5	
4/5/2016	#	read draft DR#7 reply with edits	0.5	
4/6/2016	INSP	read witness draft testimony and other writing	1.2	
4/7/2016	INSL	team meeting: fidelity insurance, exhibits, testimony.	2.0	
4/8/2016	GDST	Research/review testimony: gas dist.	2.5	
4/8/2016	#	call with TURN	0.4	
4/8/2016	#	call with expert	1.0	
4/11/2016	GDST	read ORA testimony	1.5	
4/13/2016	#	meeting with team: issues list, testimony, workpapers	2.0	
4/18/2016	INSP	read ORA testimony and workpapers	2.5	
4/19/2016	INSP	read ORA workpapers	4.0	
4/21/2016	INSL	read draft testimony	1.0	
4/21/2016	INSL	research	0.5	
4/22/2016	GP	prep for meeting	1.5	
4/22/2016	#	meeting with team	2.0	
4/27/2016	#	Team meeting: testimony	1.4	
4/27/2016	#	draft test.	2.0	
4/27/2016	#	team meeting testimony	1.9	
4/27/2016	INSL	meeting with TURN	0.2	
4/27/2016	INSL	review testimony revisions. Edit.	1.5	
4/28/2016	INSL	review testimony revisions. Edit.	3.5	
5/2/2016	INSP	read testimony	2.0	
5/3/2016	INSP	read testimony	2.0	
5/4/2016	GDST	team meeting	1.0	
5/6/2016	ELRE	read testimony	3.0	
5/9/2016	GDST	read testimony	3.0	
5/10/2016	#	Review PGE data requests	0.6	
5/11/2016	GDST	read draft data response	1.5	
5/11/2016	#	discuss data requests, eratta, and general objections.	2.0	
5/12/2016	#	draft objections and eratta	0.5	
5/13/2016	GDST	read testimony	2.0	
5/17/2016	ELRE	read testimony	2.0	
5/18/2016	GDST	team Meeting	2.5	

Date	Issue	Description	Hours
5/19/2016	INSP	prepare and send errata	0.5
5/19/2016	#	team meeting	0.6
5/23/2016	INSL	DR response #1 to PGE	0.7
5/24/2016	GDST	team meeting: leak management, property insurance.	1.5
5/27/2016	GDST	read rebuttle testimony: EDF	0.6
5/31/2016	GDST	read bebuttle testimony: PGE, CUE	3.0
5/31/2016	GDST	team meeting	0.6
6/1/2016	INSP	read rebuttle testimony	3.0
6/1/2016	SN	TURN call about settlement	0.2
6/1/2016	SN	team meeting with Richard	0.8
6/1/2016	SN	meeting with expert	1.5
6/1/2016	#	Call to TURN: LVM	0.2
6/3/2016	#	Call with TURN LVM	0.2
6/3/2016	GP	research direct testimony	0.5
6/3/2016	#	Called TURN LVM	0.2
6/3/2016	SN	meeting with team	0.6
6/3/2016	SN	Call with TURN	0.2
6/3/2016	SN	update call with team	0.8
6/6/2016	INSL	Read rebutItle restimony	2.5
6/9/2016	GDST	research: transmission re. dist.	1.0
6/10/2016	GDST	research	2.0
6/14/2016	GDST	team meeting: issues from ORA and TURN	2.0
6/14/2016	GP	read draft JCE	0.5
6/14/2016	INSL	call with expert	0.2
6/15/2016	INSL	call with team: eratta	0.4
6/15/2016	SN	all party conference call	0.6
6/20/2016	GP	Call with PGE: RE. extension	0.4
6/20/2016	GP	read motion for extension	0.3
6/22/2016	GDST	research	1.0
6/23/2016	#	read documents, prep for team meeting	0.5
6/23/2016	#	team meeting	1.0
6/24/2016	SN	talk with expert	0.5
6/24/2016	SN	settlement conference call	1.5
6/24/2016	SN	team meeting	0.6
6/24/2016	SN	update call with supervisor	1.5
6/24/2016	SN	call with Bill	0.5
6/27/2016	ELRE	team call	1.0

Date	Issue	Description	Hours
6/27/2016	#	draft and send emails to ORA and TURN	0.2
6/27/2016	SN	Talk with TURN	0.1
6/27/2016	SN	call with ORA	0.1
6/27/2016	SN	call with ORA	0.1
6/27/2016	SN	call with TURN	0.1
6/27/2016	SN	call with Bill	0.3
6/28/2016	SN	Draft language for settlement	0.5
6/28/2016	SN	call with expert	1.5
6/28/2016	SN	settlement call	0.7
6/28/2016	SN	call with expert	0.7
6/29/2016	ELRE	draft language, send to PGE	2.5
7/1/2016	ELRE	Conference Call	1.0
7/7/2016	ELRE	review docs sent by PGE: testimony	1.0
7/12/2016	SN	read term sheets	1.0
7/13/2016	SN	call with team re. term sheets set #2	0.4
7/12/2016	SN	conference call with parties	1.0
7/12/2016	SN	team call	0.5
7/15/2016	SN	settlement conference call	1.4
7/18/2016	SN	read and prep for meeting: read documents, ALJ information requests	1.0
7/19/2016	SN	Read emails from PGE/ALJ	0.5
7/19/2016	SN	Discussion/emails: MOUs, term sheets	0.2
7/19/2016	SN	Read consolidated term sheets sent by PGE	0.6
7/19/2016	SN	settlement conference call	1.3
7/20/2016	SN	email responses/team discussion: settlement options/issues.	0.8
7/20/2016	SN	email responses/team discussion: settlement options/issues.	0.2
7/20/2016	SN	review the financial allocation spreadsheet and attachments	0.7
7/20/2016	SN	team meeting: settlement terms/numbers	1.0
7/21/2016	SN	conference call: term sheets, extensions, 12.1.b motion.	1.5
7/21/2016	SN	Read draft motion, term sheets, etc.	0.5
7/21/2016	SN	post meeting call	0.1

Date	Issue	Description	Hours
7/21/2016	SN	settlement call	1.2
7/21/2016	SN	team call debriefing settlement call	1.0
7/21/2016	SN	emails/conversation re. settlement terms/numbers	0.6
7/22/2016	SN	discussion re. settlement terms	0.5
7/22/2016	SN	read ALJ ruling	0.3
7/22/2016	GDST	Call with TURN re. NERBA account	0.4
7/22/2016	GDST	call with expert re. NERBA account	0.5
7/25/2016	SN	emails: terms re. settlement. Term sheets	0.6
7/25/2016	SN	Call with Hayley (TURN)	0.4
7/25/2016	SN	Call with expert re. 4th year.	0.5
7/25/2016	GP	Read PPH transcripts	1.5
7/26/2016	SN	read 1st draft of settlement	0.6
7/26/2016	SN	conference call on settlment	1.2
7/26/2016	SN	call with Tony re settlement	1.1
7/27/2016	SN	read emails	0.3
7/27/2016	SN	call With Tony: process terms/unusual draft comments	0.1
7/28/2016	SN	read party emails: PGE	0.3
7/28/2016	SN	read motion for settlement	1.5
7/28/2016	SN	EGNP comments	1.5
7/28/2016	SN	settlement call: motion draft	1.2
7/28/2016	SN	phone conference with supervisor	1.6
7/28/2016	SN	phone conference with Tony	0.9
7/29/2016	SN	read emails	0.3
7/29/2016	SN	review draft motion and attachments	1.5
7/29/2016	#	Read TURN eratta	0.5
7/29/2016	SN	edit motion	0.6
7/29/2016	SN	discuss motion and edits with Tony	1.0
7/29/2016	SN	prep for Tuesday's meeting	0.6
8/1/2016	SN	conference call	1.6
8/2/2016	SN	read draft motions (2)	1.0
8/2/2016	SN	call with Tony about draft motions	0.8
8/2/2016	SN	call with Frank re. int. comp issue and "housekeeping"	0.3
8/2/2016	#	call with team: due process, contested issues, NERBA	0.8

Date	Issue	Description	Hours
8/3/2016	SN	read final draft of 3 moitions, NOA, settlement, attachments	2.0
8/3/2016	SN	official settlement conference Rule 12	1.7
8/4/2016	SN	read emails	0.3
8/5/2016	GP	emails: post mortem	0.3
8/9/2016	SN	Draft comments on settlement: format, legal arguments	2.0
8/10/2016	GDST	research: advice letters.	1.0
8/10/2016	GP	read scoping memo modifying schedule etc.	0.5
8/10/2016	SN	read party motions	0.3
8/11/2016	#	draft comments on settlement: 2020 addition	1.0
8/11/2016	SN	post mortem discussion. Discuss opening comments	2.0
8/11/2016	GDST	draft comments on settlement: NERBA acct.	2.0
8/12/2016	SN	read emails	0.3
8/12/2016	SN	draft comments on settlement: rewrite with edits from team.	2.0
8/15/2016	SN	research: legal standards on settlements	2.0
8/15/2016	SN	Final edits of comments on settlement	0.6
8/16/2016	GDST	read emails re: comments/2020	0.5
8/16/2016	GDST	Call with Tony	1.7
8/17/2016	SN	Team meeting: GRC draft/advice letters	0.9
8/17/2016	SN	read emails: NERBA, SDG&E NERBA	1.0
8/19/2016	#	read opening comments: A4NR, PGE/ORA, CUE/EDF/PGE, TURN/CAUSE	3.0
8/22/2016	#	read comments: TURN/CAUSE, CAUSE, TURN	2.0
8/22/2016	#	meeting to go over final draft	0.7
8/22/2016	GP	Read request for extension	0.4
8/23/2016	#	draft reply comments	1.2
8/24/2016	GDST	Research: balancing v. memorandum accounts	0.5

Date	Issue	Description	Hours
8/24/2016	#	draft reply comments	2.0
8/25/2016	#	finish draft comments	0.5
8/29/2016	W	emails re. workshop	0.6
8/29/2016	SN	read settlement summary with additions	1.0
8/30/2016	W	Workshop on settlement	6.0
8/31/2016	W	read emils: reports/ex parte	0.5
8/31/2016	W	debrief Tony on workshop and prep him for hearings.	0.7
9/1/2016	W	emails	0.5
9/1/2016	GP	hearing	5.5
9/28/2016	SN	emails from PGE	0.5
9/30/2016	INSL	read draft of executive compensation exhibit	0.5
10/4/2016	INSL	read emails/late filed exhibit	0.5
10/6/2016	#	meeting with expert on exhibit with meters.	0.5
10/31/2016	#	read PGE late filed exhibit.	0.6
11/9/2016	#	emails re. advice letter	0.5
11/10/2016	W	meeting re. possible extra year workshop.	0.2
11/15/2016	W	emails re. workshop extra year.	0.3
1/10/2017	SN	Call with expert re. GRC cycle	1.1
1/13/2017	W	analysis of workshop. Discussion with expert	1.0
1/27/2017	SN	read motions to file under seal and replies.	1.0
2/22/2017	SN	read ruling on modeling	0.6
2/28/2017	#	Read PD	3.0
2/28/2017	#	team analysis of PD	0.8
2/28/2017	#	Read PD	0.5
2/28/2017	#	Call with expert re. PD	1.5
3/6/2017	GP	review CAUSE motion draft.	1.8
3/7/2017	#	conference call re. PD	1.0
3/10/2017	#	draft comments	3.0
3/13/2017	#	draft comments on PD	2.5
3/13/2017	SN	read Joint comments draft written by PGE	1.0
3/14/2017	SN	emails: decision used in draft reply	0.5

Date	Issue	Description	Hours
3/14/2017	SN	read attached decision/authority, and draft	0.8
3/14/2017	SN	research 'settlement as a whole', D1604033, CAUSE annotations and decision.	2.0
3/14/2017	SN	call with team re. comments on settlement issues	0.6
3/14/2017	SN	Conference call settlement	1.0
3/14/2017	SN	read party comments on draft and PGE edited draft	2.0
3/15/2017	SN	emails: re. draft comments	0.5
3/15/2017	SN	draft CFC comments	1.5
3/16/2017	SN	emails among parties re. settlement comments	0.5
3/16/2017	SN	read new draft.	1.0
3/16/2017	SN	team discussion re. comments	0.6
3/17/2017	SN	read PGE draft comments on PD	1.0
3/20/2017	SN	read comments on PD	2.0
3/21/2017	INSL	opening comments on pd	4.0
3/22/2017	ELRE	read opening comments	0.5
3/22/2017	INSL	read comments	1.0
3/23/2017	INSP	finish comments	1.0
3/23/2017	INSP	draft reply comments	1.0
3/23/2017	GDST	draft comments	2.5
3/24/2017	GDST	draft comments	3.0
3/24/2017	#	call with team	0.6
3/27/2017	#	review draft edits. Reply comments.	1.0
3/30/2017	SN	read draft settlement	0.5
3/31/2017	SN	emails: re. settlement supplement info	0.5
4/18/2017	SN	Call with parties on Alternate PD	1.0
4/19/2017	SN	read emails on settlement, from parties	0.5
4/21/2017	SN	Call with Expert Tony about CFC's language in the settlement.	0.5
5/24/2017	SN	review PG&E filings and send notice to accept	1.0
5/25/2017	SN	review emails from parties re. PDs. And notices	0.5

Date	Issue	Description	Hours	
		TOTALS by Year	353.0	
		2015	68.9	
		2016	232.2	
		2017	51.9	
		TOTALS by Issue	353.0	
		GP	34.4	
		GDST	56.5	
		ELRE	22.0	
		ESCL	0.0	
		INSL	31.9	
		INSP	33.4	
		INDO	0.0	
		SN	88.0	
		W	23.8	
•		#	63.0	

IComp Prep	
8.8	60.7

Date	Issue	Description	Hour
10/14/15	GP	Read, Review, Initial Analysis: GRC Estimates re Customer Engagement, Real Estate	2.00
10/14/15	GP	Read, Review, Initial Analysis: GRC Estimates re Energy Procurement	1.80
10/16/15	GDST	Read, Review, Initial Analysis: GRC Working Papers-Leak Mgmt.	1.00
10/20/15	GP	Read, Review, Initial Analysis: GRC Estimates re Emergency Preparedness	2.50
10/20/15	GP	Read, Review, Initial Analysis: GRC Working Papers Vegetation Mgmt	1.50
10/20/15	GP	Read, Review, Initial Analysis: GRC Working Papers	1.00
10/20/15	GP	Read, Review, Initial Analysis: GRC Estimates re Pole Asset Mgmt, Distribution Automation	1.50
10/21/15	INSL	Read, Review, Initial Analysis: GRC Estimates Safety Dept, OSHA	4.00
10/22/15	GP	Read, Review, Initial Analysis: GRC Estimates A&G	1.30
10/22/15	GP	Read, Review, Initial Analysis: GRC WP 3-1,4-1,6-7,7-12 Estimates	2.30
10/22/15	GP	Read, Review, Initial Analysis: Typical Bill Impacts vs Household Ys	0.70
10/22/15	GP	GRC re Productivity Gains, Safety Dept.Budget	2.00
10/23/15	GP	GRC draft DR1, ver.1	2.00
10/28/15	GP	GRC draft DR1, ver.2add "Levelized Costs"	1.00
10/28/15	GP	GRC draft DR1, ver.2add "Levelized Costs", "Elect.Dist.Mtce.", "SharedSvces"	4.10
10/29/15	GDST	Read, Review, Initial Analysis: GRC Estimates re Picarro Survey Program	2.08
10/29/15	GP	GRC draft DR1, ver.2add "Elect.Dist.Mtce.", "SharedSvces"	1.00
10/29/15	GP	Read, Review, Initial Analysis: 2014 GRC RR Forecasts, Tables 1-4	0.50
10/30/15	GDST	Read, Review, Initial Analysis: GRC WP Ests re Leak Mgmt,Emergencies	2.33
10/30/15	INSL	Read, Review, Initial Analysis: GRC Ests re Insurance, Third-Party Damages	2.90
10/31/15	GDST	GRC draft DR1, ver.3add "Picarro",	1.67
11/02/15	GDST	Read, Review, Initial Analysis: GRC re Gas Dist. Corrective Mtce FERC 892	0.67
11/02/15	GDST	Read, Review, Initial Analysis: : TURN Testimony Re Picarro, DIMP fm 2014 GRC; PGE Violations Investigation OII	0.58
11/02/15	INSL	Read, Review, Initial Analysis: GRC re Insurance Expenses, Shareholder Liabilities	0.30
11/03/15	GP	Read, Review, Initial Analysis: GRC re Shared Svces Exp.	1.20
11/03/15	GP	Read, Review, Initial Analysis: GRC re Balancing Accounts	0.50
11/03/15	GP	Read, Review, Initial Analysis: GRC and Form 10K re Interest Expenses	0.90
11/03/15	GP	Read, Review, Initial Analysis: GRC re Manage Svce Inquiries Expenses	1.40
11/03/15	INSL	Read, Review, Initial Analysis: GRC re Insurance and Risk Management Expenses	0.60
11/03/15	INSL	Read, Review, Initial Analysis: GRC re Injuries and Damages Estimates	0.90
11/04/15	GP	Read, Review, Initial Analysis: GRC re Safety Eng. & OSHA Compliance Exp.	1.50
11/04/15	GP	Read, Review, Initial Analysis: GRC re Cust. Field Svce Work Exp	2.40
11/04/15	GP	Read, Review, Initial Analysis: GRC re Cust. Field Svce Work Exp (cont)	0.60
11/04/15	GP	Re-visit GRC re Wokers Compensation Exps	1.00
11/05/15	GP	Read, Review, Initial Analysis: GRC and Form 10K re O&M,Deprec.Exp	0.60

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Date	Issue	Description	Hours
11/06/15	GP	Read, Review, Initial Analysis: GRC re Cust. Care - Complaints, CSOs	1.40
11/06/15	GP	Read, Review, Initial Analysis: GRC re Cust. Care - Safety Net Prog. Reports	0.30
11/06/15	GP	Read, Review, Initial Analysis: GRC re Cust. Care - KPMG Report	1.00
11/12/15	GDST	Read, Review, Initial Analysis: GRC re Corrective vs Preventive Mtce	1.50
11/12/15	GP	Read, Review, Initial Analysis: GRC re Hydro Ops-Manage Bldgs	1.80
11/12/15	GP	Read, Review, Initial Analysis: GRC re Manage Var Bal Acct Processes	0.20
11/12/15	GP	Read, Review, Initial Analysis: GRC re Lic. Compliance-Hydro Generation	0.50
11/12/15	GP	Read, Review, Initial Analysis: GRC re Escalation	0.80
11/12/15	GP	Research Z-Factor Mechanism	0.90
11/13/15	GP	Read, Review, Initial Analysis: GRC re Escalation	2.00
11/13/15	GP	Edit GRC draft DR1, ver.8	0.40
11/13/15	GP	Read, Review, Initial Analysis: GRC re Perf. Measurement & Incentives	0.60
11/14/15	GP	Read, Review, Initial Analysis: PG&E SEC Filings re Stock Options, LTI, STI	1.00
11/15/15	GP	Read, Review, Initial Analysis: PG&E SEC Filings re Debt, OE, Share Price	1.40
11/16/15	GP	Read, Review, Initial Analysis: PG&E SEC Filings re Debt, OE, Share Price	0.20
11/17/15	GP	Read, Review, Initial Analysis: GRC re Attrition, Escalation, & Inflation	0.70
11/18/15	GP	Research: CPUC PTY Rate-Making Decisions	1.20
11/18/15	GP	Read, Review, Initial Analysis: GRC re Interest and Bank Fee Exp.	0.50
11/19/15	GP	Read, Review, Initial Analysis: GRC re Rate Base Estimates	1.30
11/20/15	GP	Read, Review, Initial Analysis: GRC re Asset Age vs Project Prioritisation	2.20
11/20/15	GP	Read, Review, Initial Analysis: GRC re Accts & Energy Consumption Ests	1.70
11/20/15	GP	Read, Review, Initial Analysis: GRC re Illustrative Residential Rates LRMC, CARE	1.00
11/24/15	GDST	Read, Review, Initial Analysis: GRC re Leak Find Rate vs. Ttl Leaks	2.42
11/24/15	GP	Read, Review, Initial Analysis: GRC re Compliance Items	1.00
11/25/15	GDST	Read, Review, Initial Analysis: GRC re Leak Survey Cycle Impacts	2.75
11/25/15	GP	Read, Review, Initial Analysis: GRC re Compliance Items	1.00
11/25/15	GP	Read, Review, Initial Analysis: GRC re Investment Risk	2.30
11/25/15	GP	Read, Review, Initial Analysis: GRC re Customer Outreach-Switching vs Price	1.00
11/26/15	GP	Read, Review, Initial Analysis: GRC re Customer Outreach-Switching vs Price	2.50
11/28/15	GP	Read, Review, Initial Analysis: GRC re Purchasing & Materials Mgmt	1.40
11/28/15	GP	Read, Review, Initial Analysis: GRC re STIP, Budgeting	2.50
12/10/15	GP	Review CPUC - New FERC Rules for ROE,ROR	1.60
12/10/15	GP	Read, Review, Initial Analysis: GRC -2014 ROE Results, 2015-2017 Projections	1.00
12/10/15	GP	Read, Review, Initial Analysis: GRC re Dividend, Available Residual Income	0.40
12/11/15	ESCL	Review: GRC DR#1,A02	0.60
12/11/15	GDST	Review: GRC DR#1,A06	0.20
12/11/15	GP	Review: GRC DR#1,A08	1.50
12/11/15	ESCL	Review: GRC DR#1,A10	0.60
12/11/15	ESCL	Review: GRC DR#1,A16	0.30
12/11/15	ESCL	Review: GRC DR#1,A17	0.10
12/11/15	GDST	Review: GRC DR#1,A14	0.60
12/11/15	GDST	Review: GRC DR#1,A38	0.10
			3.10

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Date	Issue	Description	Hours
12/11/15	GP	Review: GRC DR#1,A32	0.10
12/11/15	GP	Review: GRC DR#1,A33	0.10
12/11/15	ELRE	Review: GRC DR#1,A34	0.10
12/11/15	ELRE	Review: GRC DR#1,A34 XLS File	1.00
12/11/15	GP	Review: GRC DR#1,A35	0.20
12/11/15	GP	Review: GRC DR#1,A24	0.10
12/11/15	INSL	Research: BLS Insurance PPI Series	0.50
12/11/15	INSL	Review: GRC DR#1,A16; 2014 GRC Decision re Insurance	0.60
12/12/15	ESCL	Review: GRC DR#1,A15	0.70
12/12/15	ESCL	Review: GRC DR#1,A15-RR Growth Rates	1.20
12/12/15	GP	Review: GRC DR#1,A30	0.40
12/15/15	INSL	Research: Utility Liability Insurance Expenses-Other Jurisdictions, Companies	2.00
12/16/15	INSL	Research: Utility Liability Insurance Expenses-Other Jurisdictions, Companies	0.50
12/16/15	INSL	Review: Towers, Willis Insurance Industry Reports	0.60
12/16/15	INSL	Review: Fitch re Ratings of Utility Insurance	0.50
12/16/15	INSL	Research: BLS PPI re Insurance - Call to DC	0.10
12/16/15	INSL	Reearch: BLS PPI Non-Auto Liability monthly Δs	0.60
12/16/15	INSL	Review: AEGIS surplus vs PGE paid premiums	1.40
12/16/15	INSL	Review: Bohnert et al re Premium Inflation	0.80
12/17/15	GP	Review: GRC Summary Exhibits-Exp. Tables	0.90
12/17/15	GP	Research: Utility Cost Structure Comparisons	0.90
12/17/15	GP	Research: Utility Cost per kWh Comparisons	1.70
12/18/15	GP	Review: GRC DR#1,A18	2.30
12/18/15	GP	Review: GRC DR#1,A19	0.50
12/18/15	GDST	Review: GRC DR#1,A05, A07	0.10
12/18/15	GP	Review: GRC DR#1,A31	1.00
12/23/15	GP	Review: GRC DR#2,A01	0.40
12/23/15	GDST	Review: GRC DR#2,A01	0.40
12/23/15	GP	Review: GRC DR#2,A11	0.40
12/29/15	GP	Review: GRC DR#2,A00	0.30
12/29/15	GP	Research: Customer Care Ops, Compensation	0.20
12/30/15	GP	Research: Call Center Compensation & Trends	1.50
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12/30/15	INSL	Analysis: FRB Liability Prem Trends	1.92
12/30/15	INSL	Analysis: PGE Liability Ins Attrition Estimates vs FRB Trend	2.00
12/30/15	INSL	Analysis: Attachment Point Changes for Liability Insurers-Factors Affecting	2.00
01/04/16	INDO	Research: GRC re Director & Officer Insurance Funding	0.92
01/05/16	INDO	Research: D&O,Liability Trends for Util. Ind.	1.08
01/11/16	INSL	Write DRs for Liability Coverage	0.33
01/11/16	INSP	Analysis: 2017 vs 2014 GRC re Property Insurance Expenditures	1.50
01/11/16	INSP	Write DRs for Property Insurance Differentials	0.25
01/12/16	ELRE	Research: Munasinghe Paper re Determining Optimal Reliability Levels via Economic Analysis	0.83
01/12/16	GDST	Research & Analysis: GRC Figures & DR Response for Unaccounted for Gas Estinates and Picarro-related Savings	0.33
01/13/16	ELRE	Analysis & Write DRs: Risk Register Estimates re Excavation Damage Freq, Cost, Liability	1.17
01/13/16	GDST	Analysis: Convert pre-2009 PHMSA PG&E Data, Compare with PG&E post-2009 Incident Reports	1.17
01/13/16	GDST	Research: PHMSA Data re PG&E Historical Incident Reports	1.25
01/13/16	GDST	Research: PHMSA Integrity Mgmt Progs; Gas Dist Leaks Statistics re Causal Factors	1.33
01/13/16	GDST	Research: PHMSA re Expected Service Life, Gas Distribution Pipes, Lines by Type	0.33
01/13/16	INSL	Research & Analysis: Risk Register Estimates re Excavation Damage Freq, Cost, Liability	1.00
01/13/16	INSL	Analysis & Write DRs: Risk Register Estimates re Excavation Damage Freq, Cost, Liability	1.17

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Date	Issue	Description	Hours
01/14/16	GDST	Analysis: Convert pre-2009 PHMSA PG&E Data, Compare with PG&E post-2009 Incident Reports	1.00
01/15/16	GDST	Analysis: PHMSA Sec191 Records re Unaccounted for Gas vs Leak History per DRs	1.92
01/15/16	GDST	Analysis: PG&E Depreciation Study vs PHMSA Sec191 Records for Svce Life Trend	1.83
01/15/16	GDST	Research: PHMSA Sec191 Records, Henry Hub rates for valuation of Unaccounted For Costs	0.58
01/20/16	GDST	Analysis: PHMSA Reports re System Mains, Svces, Vintage Changes since 2004	0.58
01/20/16	GDST	Research & Analysis: PGE Budget Report Consistency vs GRC 'Actuals', Forecasts Gas Dist Corrective, Preventive Mtce Exp	2.00
01/21/16	GDST	Analysis: Gas Dist Leak Forecast vs Budget Report & PHMSA Sec151 Leak Records	1.50
01/21/16	GDST	Analysis: PG&E Gas Dist System - Corrective Mtce Causal Factors vs System Components Changes	1.17
01/21/16	GDST	Analysis: PG&E Gas Dist System - Corrective Mtce Exo Impact on Asset Useful Life, Depreciation	0.75
01/21/16	GDST	Research: 2014 GRC Decision re Preventive, Corrective Mtce-Gas Dist	0.42
01/26/16	GDST	Research & Analysis: NTSB HCA Pipeline IM Safety Study, vs PGE17 Testimony re Routine vs Corrective Mtce	2.17
01/26/16	GDST	Research & Analysis: PGE17 Testimony re Cathodic Protection, PHMSA Report Data re Routine vs Corrective Mtce	2.00
01/26/16	GDST	Research & Analysis: PGE17 Testimony re Inspection Interval & Condition; Defn re "Quality" "Consequence" vs NTSB/PHMSA "HCAs"	1.42
01/26/16	GDST	Research & Analysis: PGE17 Testimony re Inspection Interval & Conditionv vs Risk, NTSB Safety Recommendations	1.42
01/27/16	GDST	Research & Analysis: PGE Responses to TURN DRs re Gas Dist. 'Corrective Mtce' Expenses	0.42
01/27/16	GDST	Research & Analysis: PGE17 Testimony re Inspection Interval & Condition; Defn re "Quality" "Consequence" vs NTSB/PHMSA "HCAs"	0.83
01/27/16	GDST	Research: US Code & NTSB Definitions of 'Corrective' Actions, Mtce	1.83
01/27/16	INSL	Analysis: CFC Issues List - \$ Valuations per Issue: Liability Insurance	0.33
01/28/16	GDST	Research & Analysis: PGE17 Testimony re Mapping Aging Project vs MWC 'GF' Historical costs, vs Risk Mitigation Stds.	1.58
01/29/16	GDST	Analysis & Write DR: Picarro Surveyor & Leak Mgmt Model Estimates	0.33
01/29/16	GDST	Analysis & Write DR: Picarro Surveyor Impact on Annual Leak Find Rate, and Cost Backwardation	4.00
01/29/16	GDST	Analysis: Comparison of PHMSA Sec151 Reports vs Leak Mgmt Model Figures & Forecast	1.83
01/29/16	GDST	Analysis: PGE 3 re Leak Forecast and Repair Plan - Examination for Cost Shifting (Backwardation)	0.67
01/29/16	GDST	Research & Analysis: NTSB, EU Optimal Maintenance Models vs Hist PG&E Mtce Practices and Pattern of Non-Labor Exp.	1.25
01/29/16	GDST	Research: NTSB Best Practices re Leak Mgmt	1.17
01/30/16	ELRE	Research & Analysis: Mains,Svces Reliability Mtce - Replacement Costs Forecast vs Hist. PGE Trend. Materials PPI, Unit Cost Errata Update Filing	0.92
01/30/16	GDST	Analysis & Write DRs: Leak Mgmt Model Unit Costs - Assumed Efficiencies in, vs Trends in Materials, Labor	1.75
01/30/16	GDST	Research & Analysis: Std Accting Treatment of Materials Costs, vs Trend Calculation in Leak Mgmt Model	1.33
02/02/16	GDST	Research & Analysis: PGE17 Testimony re Gas Distribution 'Stds of Care', vs NTSB, PHMSA Reporting Requirements	0.75

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Date	Issue	Description	Hou
02/02/16	GDST	Research & Analysis: PGE17 Testimony re Gas Distribution 'Stds of Care', vs NTSB, PHMSA Reporting Requirements, Fed. Register Issue History	3.33
02/03/16	GDST	Analysis & Write DRs: Gas Dist Costs & Escalation vs Risk Register re Incorrect Operations & PHMSA Stats on Hazardous Leak Causes vs CFR Requirements	0.6
02/03/16	GDST	Analysis & Write DRs: Non-Labor Gas Dist Cost Growth - Relationship to PHMSA Reportable Causes, Cust. Growth; Escalation	0.8
02/03/16	GDST	Analysis: Non-Labor Gas Dist Cost Growth - Relationship to PHMSA Reportable Causes, Cust. Growth; Escalation	1.7
02/03/16	GDST	Research & Analysis: Gas Dist Mtce Categorisations: Routine, Preventive, vs Corrective; NTSB Defns; GRC Leak Forecast	3.00
02/03/16	GDST	Research & Analysis: PGE17 Testimony re Gas Distribution 'Stds of Care', vs NTSB, PHMSA Reporting Requirements, Fed. Register Issue History	0.3
02/04/16	GDST	Analysis & Write DRs: Gas Dist Leak Mgmt Cost Ests - Corrective vs Preventive/Routine Causes	2.3
02/04/16	GDST	Research & Analysis: Gas Dist Mtce Categorisations: Routine, Preventive, vs Corrective; NTSB Defns; GRC Leak Forecast	2.50
02/04/16	GDST	Research & Analysis: PGE17 re DIMP-Incorrect Ops vs Future Leaks/Mi. vs NARUC Funding Initiatives/ NAPSR Compendium	1.42
02/05/16	GDST	Analysis & Write DRs: Leak Causes - Controllable/Company vs Outside/Uncontrollable, Sec 191 Rpt Data	0.2
02/05/16	GDST	Research & Analysis: Re-Allocation of Leak Repair Costs By Controllability	1.0
02/05/16	GDST	Research & Analysis: Total Leak Repairs & Outstanding Leaks - Reported vs Modeled	1.8
02/06/16	GDST	Research & Analysis: PGE Corrosion & Other Controllable Leak Performance vs National, CA Utility Averages	5.7
02/06/16	GDST	Research & Analysis: PGE17 Testimony re Threats; PHMSA Report Requirements re Incorrect Operations	0.7
02/09/16	INSL	Analysis: Liability Insurance Expense Issue - Summary Memo for Discussion	0.2
02/10/16	ELRE	Research & Analysis: Freeman Sullivan re Valuation of Outages - Svce Level Equality Calculation; Reliability CBA Calculation	1.0
02/11/16	ELRE	Research & Analysis: PGE3,WP4-56 Reliability Service Replacement Program	0.8
02/11/16	INDO	Research & Analysis: D&O Insurance, Previous Yrs Exp vs 2014 GRC Decision	1.3
02/12/16	ELRE	Research & Analysis:Distribution Reliability Replacement Capital Plan	2.5
02/17/16	GDST	Research & Analysis: PSEP Program Decision re Corrective vs Preventive Maintenance	1.0
02/17/16	GDST	Research & Analysis: Re-visit GRC and Previous Decisions re Leak Find Rate Directives	0.1
02/17/16	GDST	Research & Analysis: San Bruno Penalty & Funding For System Corrective Maintenance; Pipeline Safety Act Requirements re IM	5.0
02/18/16	GDST	Research & Analysis: NTSB San Bruno Report & CPUC PSEP Decision re Performance-Based Risk Mgmt; Safety Recommendation P-11-22 Compliance	1.5
02/18/16	GDST	Research & Analysis: PWC Study re Leak Find Rate Best Practices	2.0
02/19/16	GDST	Research & Analysis: Leak Management Budget-HPR Replacement Program	0.8
02/19/16	GDST	Research: 2014 GRC Decision re DIMP Program, Leak Management Performance Measurement, GD Asset Replacement Strategy	2.5
02/24/16	GDST	Analysis & Write DR: Update DR#5 draft; Questions re IT, Leak Mgmt; DR#2 and DR#3 follow-ups; Exhibit References, graphics, etc.	0.5

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Date	Issue	Description	Hours
02/25/16	GDST	Analysis & Write DR: Update DR#5 draft; Questions re IT, Leak Mgmt; DR#2 and DR#3 follow-ups; Exhibit References, graphics, etc.	3.42
02/26/16	GDST	Analysis & Write DR: Update DR#5 draft; Qs re Safety Metrics vs NTSB Threat Mitigation Recommendations, CPUC Safety Policy	1.58
03/02/16	GDST	Analysis & Write DR: Update DR#5 draft; Qs re CP Re-Survey vs 3rd Party Property Impingement Cost Recovery	1.08
03/02/16	INSP	Analysis & Write DR: Update DR#5 draft; Qs re CP Re-Survey vs 3rd Party Property Impingement Cost Recovery	1.08
03/03/16	GDST	Research & Analysis: PGE18 Updates re Leak Mgmt Forecast Model Revisions	2.25
03/04/16	INSL	Research & Analysis & Write DR: TowersWatson Report on Liability Insurance Trends; Update DR#5 re Excess Liability Insurance Costs	2.33
03/09/16	INSL	Research & Analysis: Review DR#3 Responses; Write Follow-up DR questions - Excess Liability Insurance, Insurance Recoveries	0.92
03/09/16	INSL	Research & Analysis: Review DR#3 Responses; Write Follow-up DR questions - Excess Liability Insurance, Insurance Recoveries, Unaccounted-For Gas	3.42
03/09/16	INSP	Research & Analysis: Review DR#3 Responses; Write Follow-up DR questions - Property Insurance	1.00
03/10/16	INSP	Research & Analysis: Review DR#3 Responses; Write Follow-up DR questions - Property Insurance	0.33
03/11/16	ELRE	Research & Analysis: Review DoE/Lawrence & Nexant/Freeman Sullivan Research re VoS of Elect. Reliability	0.58
03/11/16	ELRE	Research & Analysis & Write DRs: Review DoE/Lawrence & Nexant/Freeman Sullivan Research re VoS of Elect. Reliability	1.33
03/11/16	INSP	Research & Analysis: Property Tax Adjustment for ΔAssets, ΔAsset Prices	2.00
03/15/16	INSP	Research & Analysis & Write DRs: PGE-19 re Property Insurance, DR3Q08 Clarifications, Estimate Growth % of Total Proposed Installations	2.58
03/16/16	ELRE	Research & Analysis: EXAMINE PGE VOS CALCULATOR MODEL, Sensitivity Test Parameter Selections; PGE Dist. Reliability Objectives, Reports, Metrics PPT	0.75
03/17/16	ELRE	Research & Analysis: EXAMINE PGE VOS CALCULATOR MODEL, Sensitivity Test Parameter Selections; PGE Dist. Reliability Objectives, Reports, Metrics PPT	0.58
03/17/16	ELRE	Research & Analysis: Cornerstone Reliability Decision re EDO Planning and Returns on Reinforcement; EXAMINE PGE VOS CALCULATOR MODEL	2.00
03/25/16	INSL	Research & Analysis & Write Testimony: Liability Insurance Expenses	1.33
03/25/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - Resolve Table 3-4 w/ WP Table 3-82	1.00
03/25/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - PGE Forecast vs General Liability Coverage Trend	1.42
03/25/16	INSP	Research & Analysis: Property Value Appreciation in PGE Service Area - FHFA Data	1.75
03/26/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - PGE Forecast vs General Liability Coverage Trend	1.75
03/26/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - PGE Forecast vs Property Coverage as Base Trend	3.75
03/26/16	INSP	Research & Analysis & Write Testimony: Liability Insurance - PGE Forecast vs Property Coverage as Base Trend	3.75
03/29/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - PGE Forecast vs Property Coverage as Base Trend	1.50
03/29/16	INSP	Research & Analysis & Write Testimony: Liability Insurance - PGE Forecast vs Property Coverage as Base Trend	1.50
03/30/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - Review DR Responses to Other Intervenors	0.42

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Date	Issue	Description	Hour
03/30/16	INSL	Research & Analysis & Write Testimony: Insurance Costs - Excess Liability - Cyber Security Component	2.67
03/30/16	INSL	Research & Analysis & Write DRs: Insurance Costs - Excess Liability - Cyber Security Component, "Cyber Gap" Coverage	7.33
03/31/16	GDST	Research & Analysis: DR5,Q04 re Dig-In Damage Incidents/Sq.Mi. vs Division Area Incomes	0.58
03/31/16	INSL	Research & Analysis & Write Testimony: Liability Insurance - Cyber Risk and CL380	0.83
03/31/16	INSP	Research & Analysis & Write Testimony: Property Insurance	2.00
04/01/16	INSL	Research & Analysis: Use of Archived Testimony; Cyber Risk Insurance (Towers-Watson)	0.25
04/01/16	INSL	Research & Analysis: Discuss Cyber Risk Insurance w/ Towers Watson	0.75
04/01/16	INSP	Research & Analysis & Write Testimony: Property Insurance	0.67
04/01/16	INSP	Research & Analysis & Write Testimony: Property Insurance - Use of Property Values in Tax Calculation as Insurance Basis	6.33
04/02/16	GDST	Research & Analysis: Review Exhibits, DRs & Notes re Corrective vs Preventive Maintenance - Gas Distribution	2.83
04/02/16	INSP	Analysis & Write Testimony: Property Insurance - Use of Property Values in Tax Calculation as Insurance Basis	2.58
04/04/16	ELRE	Research & Analysis: Review Exhibits, DRs re Reliability Performance Forecasts vs VoS Model, Benefits per Division	1.00
04/04/16	ELRE	Analysis & Write DRs: Electric Distribution - Reliability Reports, Proposed Modification	0.83
04/04/16	GDST	Research & Analysis: Review Exhibits, DRs & Notes re Corrective vs Preventive Maintenance - Gas Distribution	0.50
04/05/16	GDST	Research & Analysis: Review Exhibits, Gas Dist. Corrective Maintenance Costs - Company-Controllable Factors	3.75
04/05/16	GDST	Research & Analysis: Review Exhibits, Gas Dist. Corrective Maintenance Costs - Company-Controllable Factors; Cost Causation	2.25
04/05/16	GDST	Research & Analysis: Review Exhibits, Gas Dist. Corrective Mtce - Company-Controllable Factors; Cost Causation; Leak Forecast Model, GLSRBA	3.17
04/06/16	GDST	Research & Analysis & Write Testimony: Gas Dist. Corrective Mtce - Cost Incidence	2.17
04/06/16	GDST	Research & Analysis: Gas Dist. Corrective Mtce Expense Pattern vs PCG Share Price	0.75
04/06/16	GDST	Research & Analysis: Review DR Responses to SED,ORA,TURN re Gas Dist. Corrective Mtce - Field Reports	1.92
04/06/16	GDST	Research & Analysis: Review Exhibits, Gas Dist. Corrective Mtce - Company-Controllable Factors; Cost Causation; Leak Forecast Model, GLSRBA	1.50
04/06/16	INSP	Write Testimony: Draft re Uncollectibles Expense (incl. Workpapers) & Property Insurance	1.00
04/07/16	ELRE	Research & Analysis: Reliability Expense Allocations vs VoS Model - Benefits per Division	3.00
04/07/16	ELRE	Research & Analysis: Reliability Expense Allocations - Alternative Methods Literature Survey, CPUC RIIM	1.00
04/07/16	GDST	Research & Analysis: Gas Dist. Corrective Mtce vs Dividends - KM Case Study	1.00
04/09/16	GDST	Research & Analysis: Gas Dist. Corrective Mtce vs Dividends - KM Case Study	0.92
04/12/16	GDST	Research & Analysis & Write Testimony: Gas Dist. Expense - Mapping Status vs CFR Location/Site Requirements; Mapping Corrections Reports	1.75
04/12/16	GDST	Research & Analysis & Write Testimony: Gas Dist. Expense - PHMSA Records For Annualized Repair Model vs Actual Repairs Pattern	1.67
04/13/16	ELRE	Research & Analysis: VOS Model - Linear Estimates for PV Weightings for Reliability Investment CBA	1.50

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Date	Issue	Description	Hour
04/15/16	GDST	Analysis & Write Testimony: Gas Dist. Expense; Risk Register Scores by MWCs; PHMSA Reports re Leak Causes; GT&S Testimony	7.58
04/16/16	GDST	Analysis & Write Testimony: Gas Dist. Expense; Risk Register Scores by MWCs; PHMSA Reports re Leak Causes; GT&S Testimony	2.42
04/19/16	GDST	Write Testimony: Gas Dist. Expense - Corrective Maintenance	5.50
04/19/16	GDST	Write Testimony: Gas Dist. Expense - Corrective Maintenance; 2014	2.50
		GRC Requirements re; Risk Register Leak Ratings	
04/20/16	GDST	Write Testimony: Gas Dist. Expense - Corrective Maintenance; Commission Decisions re Planning Horizon, Leak Mgmt Optimisation	6.92
04/20/16	INDO	Write Testimony: Directors & Officers Liability Insurance Expense	1.67
04/20/16	INSL	Write Testimony: Directors & Officers Liability Insurance Expense	1.67
04/21/16	ELRE	Analysis & Write Testimony: Elect. Dist.Reliability Expense; VOS Model Structure - Consistency of Estimates	0.67
04/21/16	ELRE	Analysis & Write Testimony: Elect. Dist.Reliability Expense; Proposed Reliability Reports; D16.01.008	1.25
04/21/16	ELRE	Analysis & Write Testimony: Review DR#s 6,7,8 Responses; Elect. Dist.Reliability Expense; Proposed Reliability Reports	1.33
04/21/16	ELRE	Analysis & Write Testimony: Elect. Dist.Reliability Upgrade Expense; Project Prioritization Methods	5.08
04/22/16	ELRE	Analysis & Write Testimony: Elect. Dist.Reliability Upgrade Expense; Project Prioritization Methods	4.08
04/23/16	ELRE	Analysis & Write Testimony: Elect. Dist.Reliability Upgrade Expense; Project Prioritization Methods	3.08
04/23/16	INSL	Analysis & Write Testimony: Revise Liability Insurance Expenses Testimony	1.25
04/24/16	INSL	Analysis & Write Testimony: Revise Liability Insurance Expenses Testimony	5.08
04/24/16	INSP	Analysis & Write Testimony: Revise Property Insurance Expenses Testimony	4.00
04/26/16	GDST	Write Testimony: Revisions - Gas Dist. Leak Management / Corrective Mtce	2.50
04/26/16	INDO	Write Testimony: Revisions - Director & Officers Insurance	0.67
04/26/16	INSL	Write Testimony: Revisions - Liability Insurance	1.00
04/26/16	INSP	Write Testimony: Revisions - Property Insurance	3.83
04/27/16	GDST	Write Testimony: Revisions - Gas Leak Mgmt / Corrective Maintenance	3.67
04/27/16	INDO	Write Testimony: Revisions - Director & Officers Insurance	0.25
04/27/16	INSL	Write Testimony: Revisions - Liability Insurance; Property Insurance	1.00
04/27/16	INSP	Write Testimony: Revisions - Liability Insurance; Property Insurance	1.00
04/29/16	GDST	Write Testimony: Draft Workpapers re Gas Leak Corrective Mtce	3.00
04/29/16	INSL	Write Testimony: Draft Workpapers re Liability Insurance	0.25
04/29/16	INSP	Write Testimony: Draft Workpapers re Property Insurance	0.92
04/30/16	GDST	Write Testimony: Draft Workpapers re Gas Leak Corrective Mtce	7.83
05/03/16	GDST	Write Testimony: Draft Workpapers re Gas Leak Corrective Mtce	1.50
05/04/16	GDST	Write Testimony: Draft Workpapers re Gas Leak Corrective Mtce	6.67
05/05/16	GDST	Write Testimony: Draft Workpapers re Gas Leak Corrective Mtce	13.3
05/06/16	GDST	Write Testimony: Draft Workpapers re Gas Leak Corrective Mtce	10.1
05/10/16	GDST	DR Response: Gas Leak Management & Corrective Maintenance	6.50
05/10/16	GDST	Research & Analysis & Write Testimony: Review PD re GT&S Case re Corrective Mtce	0.50
05/10/16	GDST	Write Testimony: Finalise Workpapers re Uncollectibles, Gas Leak Corrective Mtce	5.00
05/11/16	GDST	DR Response: Gas Leak Management & Corrective Maintenance	8.33
05/11/16	GDST	Write Testimony: Finalise Workpapers re Gas Leak Corrective Mtce, IT Project Capital Expenditures	2.00
05/12/16	GDST	DR Response: Gas Leak Management & Corrective Maintenance	10.0
05/12/16	GDST	Write Testimony: Finalise Workpapers re Gas Leak Corrective Mtce, IT Project Capital Expenditures	5.17

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Date	Issue	Description	Hours
05/13/16	GDST	Analysis & Write Testimony: Finalise Workpapers re Gas Leak Corrective Mtce' "Deferred Mtce" definition from ASCE, Others, Cross-check PHMSA Data Files	15.00
05/13/16	GDST	Write Testimony: Finalise Workpapers re Gas Leak Corrective Mtce	0.83
05/13/16	GDST	Write Testimony: Finalise Workpapers re Gas Leak Corrective Mtce' "Deferred Mtce" definition from ASCE, Others	4.17
05/14/16	GDST	DR Response: Gas Leak Management & Corrective Maintenance; GLSRBA	9.00
05/16/16	GDST	Write Testimony: Finalise Workpapers re Gas Leak Corrective Mtce, Uncollectibles Expenses	4.33
05/17/16	GDST	DR Response: Finalise Workpapers re Gas Leak Corrective Mtce	1.67
05/18/16	GDST	DR Response: Gas Leak Management & Corrective Maintenance; GLSRBA	3.83
05/18/16	INSL	Write Testimony: Errata - Gas Dist. Leak Management / Corrective Mtce; Liability Insurance	1.50
05/19/16	GDST	DR Response: Gas Leak Mgmt & Corrective Maintenance; Deferred Maintenance Definition	8.17
05/19/16	INSL	Write Testimony: Errata - Gas Dist. Leak Management / Corrective Mtce; Liability Insurance	0.83
05/20/16	GDST	DR Response: Gas Leak Mgmt & Corrective Maintenance; Deferred Maintenance Definition	7.00
05/21/16	GDST	DR Response: Gas Leak Mgmt & Corrective Maintenance; Deferred Maintenance Definition	1.00
06/07/16	GDST	Research & Analysis: Repair/Replace Models; DIMP Program re Repair/Replace; Prob of Failure Models; Repair vs Replace Cost Estimates fm Leak Mgmt Model; Review Utility Leak Mgmt Bulletins	2.92
06/09/16	GDST	Research & Analysis: GT&S Case re \$850M Fine; PHMSA 7100 Report 2015	4.00

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Date	Issue	Description	Hour
06/11/16	GDST	Research & Analysis: PHMSA Reports re 920 Mile Mains Transfer; PHMSA Communication re Other Category in Reporting	0.83
06/14/16	GDST	Analysis: Gas Distribution - Corrective Mtce Costs re-Distribution over GRC Term - Illustrative Example	2.83
06/14/16	GDST	Analysis: IT Project JCE Exhibit Reconciliation - Error Identification and Corrective Measures	3.75
06/15/16	GDST	Analysis: Gas Distribution - Corrective Mtce Costs re-Distribution over GRC Term - Illustrative Example	2.33
06/15/16	GDST	Research & Analysis: EPA Methods for Estimating Distribution System Leak Rate; IPCC re Emissions Estimating	2.08
06/15/16	GDST	Research & Analysis: PHMSA Stats on Minimum Leak Rate; Contact PHMSA re Leak Rate Benchmarking	2.83
06/16/16	GDST	Analysis: Gas Distribution - Corrective Mtce Costs re-Distribution over GRC Term - Illustrative Example	1.00
06/16/16	GDST	Research & Analysis: Communicate w/ PHMSA re Leak Mgmt Stds Coordination w/ EPA	1.67
06/17/16	INSL	Analysis & Write Cross Questions: Excess Liability Insurance	0.75
06/21/16	ELRE	Research & Analysis: Electric Dist. Reliability Test Model	1.00
06/21/16	INSL	Analysis & Write Cross Questions: Excess Liability Insurance; Review Underwriters on Arson Effect	0.58
06/22/16	INSL	Analysis & Write Cross Questions: Excess Liability Insurance; Review Underwriters on Arson Effect; Verisk 2015 Report on Insurance Industry Stats	1.92
06/22/16	INSP	Analysis & Write Cross Questions: Property Insurance	2.00
06/28/16	GDST	Research & Analysis: Leak Repair Management via ALARP; SED Paper re ALARP in Rate Cases	2.25
06/28/16	SN	Research & Analysis: Leak Repair Requirements from other CPUC Decisions, Impact on GRC Settlement Provisions	0.92
06/29/16	ELRE	Research & Analysis: Reliability-Based Pricing for Electricity; Pitfalls of Various Reliability Metrics	2.00
06/29/16	ELRE	Research & Analysis: PG&E Reliability Annual Reports vs New Report Requirements (D.16.01.008)	1.33
06/29/16	ELRE	Research & Analysis: Review PG&E Amended Version of CFC Elect. Dist. Reliability Proposal; Discuss w/ NJ	0.75
06/29/16	GDST	Research & Analysis: Leak Repair Management via ALARP; SED Paper re ALARP in Rate Cases	0.92
07/12/16	GDST	Research & Analysis: EPA Response to CFC Inquiry re Standard Gas Leak Remediation Assumptions; CFR §98 Leak Estimation Requirements	0.33
07/22/16	GDST	Research & Analysis: Follow-up w/ CPUC re Leak Reporting Requirements of SB-1371/R.15.01.008	3.33
07/22/16	SN	Research & Analysis: NERBA Account - Function and Suitability of, re Gas Leak Mgmt; NERBA Treatment in Sempra GRC	1.25
07/26/16	SN	Research & Analysis: Proposed NERBA Account for Settlement; TURN re Gas Leak Mgmt BPs	2.42
07/26/16	SN	Settlement Negotiation: NERBA Account - Proposed Article 4 Content	0.92
07/27/16	SN	Research, Analysis & Writing: Commentary re Settlement Proposal Disputed Issues - 2020; NERBA	2.17
07/29/16	SN	Research & Analysis: Proposed NERBA Account Compared to Introduction of Sempra NERBA	0.58
08/01/16	SN	Case Mgmt: Update re CFC Settlement Positions re 2020, NERBA	0.17
08/23/16	SN	Case Admin: Read & Analyse Submissions on Settlement Contested Issues (NERBA, 2020); Write comments for BN,NJ	0.75
08/24/16	SN	GRC: Case Admin: Settlement Contested Issue - NERBA; Reply Strategy Discussion; Balancing Account Literature Review	0.92
08/29/16	SN	Case Admin: Read & Analyse Other Party Submissions on Settlement Contested Issues (NERBA, 2020)	0.67
08/30/16	SN	Case Admin: Read & Analyse Other Party Submissions on Settlement Contested Issues (NERBA, 2020)	1.00

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Date	Issue	Description	Hours
08/31/16	SN	Case Admin: Discuss ALJ Appearance Request re NERBA, 2020 w/ NJ	0.25
01/01/17	SN	GRC Cycle: Workshop re Proposed Change to 4 Year GRC Cycle	0.33
01/13/17	SN	GRC Cycle: Follow Up on Issues from Workshop re Proposed Change to 4 Year GRC Cycle	
		TOTALS by Year	587.7
		2015	129.3
		2016	457.8
		2017	0.5
		TOTALS by Issue	587.7
		GP	86.0
		GDST	327.3
		ELRE	41.6
		ESCL	3.5
		INSL	70.8
		INSP	40.1
		INDO	5.9
		SN	12.5
		W	0.0

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		COMP CLAIM PREP TIME			•
Date	Day	Item	Start	Finish	Hrs
20170503	WED	PGE GRC: Comp Claim; Analysis & Write Up	08.30	11.00	2.5
20170503	WED	PGE GRC: Comp Claim; Analysis & Write Up	11.20	12.40	1.3
20170504	THU	PGE GRC: Comp Claim; Analysis & Write Up	11.30	12.45	1.3
20170504	THU	PGE GRC: Comp Claim; Analysis & Write Up	13.25	16.00	2.6
20170505	FRI	PGE GRC: Comp Claim; Analysis & Write Up	11.35	11.50	0.3
20170518	THU	PGE GRC: Comp Claim: Discuss Claim Finalisation Plan; Circulate Claim Version #1	14.50	15.00	0.2
20170602	FRI	PGE GRC: Comp Claim: Update Claim Using 2017 Form; Continue Activities Entries	11.00	14.00	3.0
20170603	SAT	PGE GRC: Comp Claim: Update Claim Using 2017 Form; Continue Activities Entries	12.30	14.50	2.3
20170606	TUE	PGE GRC: Comp Claim: Update Claim Using 2017 Form; Produce Version 2	11.00	12.05	1.1
20170606	TUE	PGE GRC: Comp Claim: Update Claim Using 2017 Form; Produce Version 2; Communicate w/ CPUC re Timesheets Format M. Vengerova	13.10	14.20	1.2
20170608	THU	PGE GRC: Comp Claim: Draft Narrative re Tony's Hourly Rate	14.00	15.05	1.1
20170609	FRI	PGE GRC: Comp Claim: Research & Analysis re Tony's Hourly Rate	08.45	09.55	1.2
20170609	FRI	PGE GRC: Comp Claim: Analysis of Comparables for Tony; Write Section for Claim Submission	10.10	12.30	2.3
20170609	FRI	PGE GRC: Comp Claim: Analysis of Comparables for Tony; Write Section for Claim Submission	15.55	17.00	1.1
20170610	SAT	PGE GRC: Comp Claim: Analysis of Comparables for Tony; Write Section for Claim Submission	11.00	12.50	1.8
20170610	SAT	PGE GRC: Comp Claim: Analysis of Comparables for Tony; Write Section for Claim Submission	13.45	15.15	1.5
20170613	TUE	PGE GRC: Comp Claim: Generate Itemized Timesheets for Attachment	11.35	12.05	0.5
20170614	WED	PGE GRC: Comp Claim: Meeting w/ BN,NJ	10.30	11.30	1.0
20170614	WED	PGE GRC: Comp Claim: Assemble Complete Hours Listing TR	13.20	15.40	2.3
20170614	WED	PGE GRC: Comp Claim: Research Kevin Woodruff Rate Rationale	15.40	16.00	0.3
20170615	THU	PGE GRC: Comp Claim: Research Hourly Rate Supporting Info for Tony	09.15	11.15	2.0
20170615	THU	PGE GRC: Comp Claim: Research Hourly Rate Supporting Info for Tony	12.00	12.50	0.8
20170615	THU	PGE GRC: Comp Claim: Update Submission Draft w/ NJ Hours; Convert to Table Format as Necessary	15.00	16.35	1.6
20170616	FRI	PGE GRC: Comp Claim: Update Submission Draft: Revise Text; Check Figures; Add Timesheets	10.00	11.00	1.0
20170616	FRI	PGE GRC: Comp Claim: Research Hourly Rate Supporting Info for Tony	14.30	15.30	1.0
20170617	SAT	PGE GRC: Comp Claim: Write Narrative re Hourly Rate for Tony	11.15	13.35	2.3
20170617	SAT	PGE GRC: Comp Claim: Write Narrative re Hourly Rate for Tony	14.00	14.40	0.7

Date	Day	Item	Start	Finish	Hrs
20170617	SAT	PGE GRC: Comp Claim: Write Narrative re Hourly	15.00	15.30	0.5
		Rate for Tony '			
20170620	TUE	PGE GRC: Comp Claim: Analyze BLS and Payscale.com Economist Pay Data; Write Narrative re Hourly Rate for Tony	10.15	12.00	1.8
20170620	TUE	PGE GRC: Comp Claim: Analyze BLS and Payscale.com Economist Pay Data; Write Narrative re Hourly Rate for Tony	12.50	13.00	0.2
20170620	TUE	PGE GRC: Comp Claim: Meeting w/ BN,NJ re Tony's Rate Basis; Review Narrative	13.00	14.00	1.0
20170620	TUE	PGE GRC: Comp Claim: Initial Issue Coding for BN Timesheet	15.00	15.15	0.3
20170620	TUE	PGE GRC: Comp Claim: Analyze BLS and Payscale.com Economist Pay Data; Write Narrative re Hourly Rate for Tony	15.15	16.45	1.5
20170621	WED	PGE GRC: Comp Claim: Analyze BLS and Payscale.com Economist Pay Data; Write Narrative re Hourly Rate for Tony	09.00	09.30	0.5
20170621	WED	PGE GRC: Comp Claim: Discussion w/ NJ, TURN re Claim Submissions	09.30	09.40	0.2
20170621	WED	PGE GRC: Comp Claim: Analyze BLS and Payscale.com Economist Pay Data; Write Narrative re Hourly Rate for Tony	12.50	15.35	2.8
20170622	WED	PGE GRC: Comp Claim: Discuss Inclusion of NERBA and GRC Cycle into Comp Claim; Finalize Tony's Rate Narrative	13.00	14.00	1.0
20170623	FRI	PGE GRC: Comp Claim: Revise Hours Summary to Include NERBA, 3-Yr vs 4-Yr GRC Cycle	12.45	15.40	2.9
20170627	TUE	PGE GRC: Comp Claim: Revise Roberts Hourly Rate Narrative; Revise Nusbaum Supervisory Role Narrative	16.45	17.55	0.2
20170706	THU	PGE GRC: Comp Claim: Update Hourly Rates for BN,NJ	17.40	18.05	0.4
20170706	THU	PGE GRC: Comp Claim: Update Hourly Rates for BN,NJ	18.05	19.00	0.9
20170711	TUE	PGE GRC: Comp Claim: Finalize Version for Transmittal to CPUC	10.00	16.00	6.0
		TOTAL HOURS - T. Roberts			58.3
Date	Issue	Work Performed	Time Start	Time Stop	Hours
4/12/2017	issut	Begin claim with new PUC form	10:00 AM	12:00 PM	2.0
5/23/2017		meeting about claim with team	12:30 PM	1:22 PM	0.9
6/8/2017		meeting about draft claim	1:30 PM		0.6
6/9/2017		review emails re. claim and draft	8:00 AM		0.6
6/14/2017		review draft claim	9:00 AM	10:00 AM	1.0
6/14/2017		review draft claim	10:30 AM	12:00 PM	1.5
6/20/2017		review claim	1:00 PM	2:00 PM	1.0
6/21/2017		call with Tony/TURN re. claims	9:30 AM	9:40 AM	0.2
6/22/2017		discuss claim, Tony's compensation amout	1:00 PM	2:00 PM	1.0
		TOTAL HOURS - N. Johnson			8.8
		TOTAL HOURS 14. JUHISUH	1		0.0