

## Attachment 2

Attachment 2 provides detail on the allocation of effort by issue, a listing of GPI Pleadings, time sheets for all GPI professionals, and detail on the mailing expenses claimed.

### Issue areas

1. System need determination
2. Environmental risk analysis
3. 33% RPS implementation analysis
4. Inputs, metrics, and scenarios
5. LTPP work plan
6. RPS planning standards
7. RPS integration analysis
8. Testimony, hearings, settlement, briefs
9. Proposed Decision

### Green Power Institute Pleadings in R.08-02-007

		<b>Issue</b>
3/17/08	Comments of the Green Power Institute on the Preliminary Scoping Memo and Schedule (filed and served)	1
6/30/08	Pre-Workshop Comments of the Green Power Institute on Greenhouse Gas Uncertainty and LTPPs (filed and served)	2
8/15/08	Pre-Workshop Comments of the Green Power Institute Regarding 33-Percent RPS Implementation Analysis (served but not filed)	3
8/22/08	Pre-Workshop Comments of the Green Power Institute on Planning Scenarios & Metrics (served but not filed)	4
9/5/08	The Green Power Institute Homework Assignment (served but not filed)	4
10/3/08	The Green Power Institute Environmental Homework Assignment (served but not filed)	2
11/21/08	The Green Power Institute Homework Assignment: Inputs and Metrics for the 33% Analysis (served but not filed)	4
12/2/08	The Green Power Institute Homework Assignment: Work plan for the 33% RPS Analysis (served but not filed)	3
12/28/08	The Green Power Institute Homework Assignment: Comments on IAWG Preliminary Results (served but not filed)	2

1/09/09	The Green Power Institute’s Responses to Selected Questions for Parties on Barrier Assessment (served but not filed)	3
7/21/09	Pre- Workshop Questions of the Green Power Institute on the Staff Straw Proposal for the 2010 LTPPS (filed and served)	5
8/21/09	Comments of the Union of Concerned Scientists and the Green Power Institute on the Energy Division Straw Proposal for Long- Term Procurement Planning Standards (filed and served)	5
8/28/09	Responses of The Green Power Institute to the Questions on the 33% RPS Implementation Analysis Preliminary results (served but not filed)	3
8/31/09	Reply Comments of the Union of Concerned Scientists and The Green Power Institute on the Energy Division Straw Proposal for Long- Term Procurement Planning Standards (filed and served)	5

**Green Power Institute Pleadings in R.10-05-006**

7/09/10	Comments of the Green Power Institute on the RPS Planning Standards for the 2010 LTPP (filed and served)	6
7/16/10	Reply Comments of the Green Power Institute on the RPS Planning Standards for the 200 LTPP (filed and served)	6
9/19/10	Comments of the Green Power Institute on the Renewable Integration Models (filed and served)	7
11/22/10	Post- Workshop Comments of the Green Power Institute on the Renewables Integration Models (filed and served)	7
8/03/11	Motion for Expedited Suspension of Track 1 Schedule, and for Approval of Settlement Agreement Between and Among Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas & Electric Company, the Division of Ratepayer Advocates, the Utility Reform Network, Green Power Institute, California Large Energy Consumers Association, the California Independent System Operator, the California Wind Energy Association, the California Cogeneration Council, the Sierra Club, Communities for a Better Environment, Pacific Environment, Cogeneration Association of California, Energy Producers and Users Coalition, Calpine Corporation, Jack Ellis, Genon California North Llc, the Center for Energy Efficiency and Renewable Technologies, the Natural Resource Defense Council, Nrg Energy, Inc., the Vote Solar Initiative, and the Western Power Trading Forum (filed and served)	8

8/04/11	Testimony of the Green Power Institute on the 2010 Long- Term Procurement Plans, Track III (served but not filed)	8
9/16/11	Opening Brief of the Green Power Institute on the 2010 Long-Term Procurement Plans (filed and served)	8
10/03/11	Reply Brief of the Green Power Institute on the 2010 Long- Term Procurement Plans (filed and served)	8
3/12/12	Comments of the Green Power Institute on the Proposed Decision of ALJ Allen (filed and served)	9
3/19/12	Reply Comments of the Green Power Institute on the Proposed Decision of ALJ Allen (filed and served)	9

**Detail on Professional Hours for GPI Director Dr. Morris**

		<b>Hrs</b>	<b>Issue</b>
<b>March 2008</b>			
3/10/08	Review of new OIR, planning of pre-workshop comments	2½	1
3/11/08	Pre-workshop comments	1½	1
3/12/08	Pre-workshop comments	2	1
3/13/08	Pre-workshop comments	2	1
3/17/08	Complete pre-workshop comments	2	1
3/17/08	File & serve pre-workshop comments	NC	1
<b>April 2008</b>			
4/01/08	Review of other parties pre-workshop statements	1	1
4/02/08	Pre-hearing conference followed by workshop at PUC	7	1
<b>May 2008</b>			
5/20/08	Preparation for workshops, review of Docs	1	2
<b>June 2008</b>			
6/19/08	Review of ruling, planning pre-workshop comments	1	2
6/20/08	Pre-workshop comments planning for AB 32 compliance	1	2
6/25/08	Pre-workshop comments	1½	2
6/26/08	Pre-workshop comments GHG uncertainty	3½	2
6/27/08	Pre- workshop comments GHG uncertainty	7	2
6/29/08	Pre-workshop comments GHG uncertainty	1	2
6/30/08	Complete file & review pre-workshop comments GHG uncertainty	3½	2
<b>July 2008</b>			
7/07/08	Review of other parties pre-workshop comments GHG risk	2	2
7/10/08	Prepare for and attend workshop on GHG uncertainty	8	2

**August 2008**

8/07/08	Review request for comments 33% RPS implementation	2½	3
8/13/08	Comments on 33% RPS – LTPP implementations	2	3
8/14/08	Comments on 33% RPS in LTPPS	5½	3
8/15/08	Pre workshop comments on 33% RPS	8	3
8/16/08	Complete and serve pre workshop comments on 33% RPS	4½	3
8/19/08	Review notice of workshop on planning scenarios and metrics	5½	4
8/20/08	Pre-workshop comments, scenarios and metrics	1	4
8/21/08	Complete comments on scenarios	3½	4
8/21/08	File and serve Comments on scenarios	NC	4
8/25/08	Review of parties comments, prep for RPS workshop	2	3
8/26/08	Participated in RPS workshop	8	3
8/27/08	Preparation for workshop on scenarios & metrics	2	4
8/28/08	Workshop on scenarios & metrics	8	4

**September 2008**

9/02/08	Review of memos, begin “homework”	3	4
9/04/08	Homework	1	4
9/05/08	Homework – analytical approach & metrics	2½	4
9/09/08	Workshop scenarios @ PG&E	8	4
9/17/08	Workshop on assumptions and data in SF	8	4
9/23/08	Workshop on scenarios & metrics	8	4

**October 2008**

10/2/08	Review of homework	1	2
10/3/08	Homework on environmental issues	4	2
10/7/08	Working group meeting @ PUC, including prep.	8	2

**November 2008**

11/18/08	Review of staff memo – 33% study inputs metrics	1½	4
11/20/08	Comments on 33% analysis	3	4
11/21/08	Comments on 33% inputs & metrics to working group	1	4
11/26/08	Review of comments on 33% work plan	3	3
11/28/08	Comments on 33% analysis work plan	5	3

**December 2008**

12/1/08	Comments on 33% study work plan	1½	3
12/2/08	Complete & serve comments on 33% analysis work plan	3½	3
12/3/08	Review of comments on work plan, UCS learning curves	2	3
12/4/08	Review documents on 33% work plan	2	3
12/5/08	Comments on UCS documents, review of documents	½	3
12/10/08	Review of parties comments	3	3
12/15/08	Preparation for 33% workshop	½	3
12/16/08	Workshop on 33% RPS analysis	8	3
12/17/08	Review of IAWG documents	2	2
12/18/08	Review Stoltzfus memos, begin comments	1½	2

12/19/08	Comments on 33%renewables study	3½	3
12/22/08	Comments to IAWG (33% study)	5	2
12/23/08	Comments on IAWG study	5½	2
12/24/08	Comments on IAWG preliminary results	5	2
12/26/08	Complete comments on IAWG preliminary results	5	2
12/29/08	Review other parties comments	1	2

### January 2009

1/6/09	Review of Stoltzfus email, parties comments	3½	2
1/7/09	Preparation for call	1	2
1/8/09	IAWG conference call re. IOU Nexamt study	2	2
1/13/09	CAISO preparation on 33% integration study	4½	3
1/14/09	Prep for meeting @PUC	4	2
1/15/09	Workshop on IAWG	7½	2
1/16/09	Review of materials	4	2
1/25/09	Response to Stoltzfus questions	2	2

### February 2009

2/11/09	Respond to questions from Stoltzfus re biomas & biogas	1	2
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### June 2009

6/16/09	Review of 33% implementation report	1½	3
6/23/09	Review of 33% implementation report	1	3

### July 2009

7/9/09	Review Assigned commission ruling, staff proposal	5	5
7/11/09	Review of Assigned commission ruling ruling, attachment (staff proposal)	1½	5
7/13/09	Review of staff proposal	3	5
7/14/09	Review of staff proposal	2½	5
7/15/09	Review of staff proposal and planning standards	1½	5
7/16/09	Analysis of staff proposal	4½	5
7/17/09	Review straw proposal & comments	7½	5
7/19/09	Pre workshop questions	1½	5
7/21/09	Questions pre workshop	4	5
7/24/09	Review of new material on 33% report	½	3
7/31/09	Review & analysis of staff proposal	3	5

### August 2009

8/3/09	Review & analyze staff proposal	4	5
8/3/09	Review & analyze 33% renewable report, work with Valerie	3	3
8/4/09	Review & analysis of 33% report	4	3
8/5/09	preparation for workshop, work with Valerie on 33% comments	1	3
8/6/09	All day workshop @ PUC on LTPP staff proposal	8	5
8/7/09	Workshop on LTPP	7	5
8/10/09	Telecom w/ Murley, Wisland, Morris re. staff proposal LTPP	1	5
8/11/09	Analysis of 33% implementation report	1	3

8/12/09	Work on comments on 33% implementation analysis	2½	3
8/13/09	Comments on LTPP	2½	5
8/14/09	Work on LTPP comments	6	5
8/17/09	Comments on staff proposal LTPP planning standards	5½	6
8/18/09	Comments on LTPP planning standards proposal	2	6
8/19/09	Comments on LTPP planning and standards	4	6
8/20/09	Comments on LTPP planning standards, planning 33% comments	6½	6
8/21/09	Comments on LTPP planning standards	4	6
8/23/09	Comments on 33% implementation report	3½	3
8/24/09	Comments on 33% report	2½	3
8/25/09	Comments on 33% implementation analysis	4½	3
8/26/09	Comments on 33% implementation analysis	5½	3
8/27/09	Comments on 33% report & replies on LTPP	7	3
8/28/09	Comments on 33% & reply comments on LTPP	7	3
8/29/09	Reply comments LTPP	1	5
8/31/09	Reply comments LTPP	4	5

### September 2009

9/1/09	Review other parties replies	1½	5
9/18/09	Review of 33% comments	3	3

### December 2009

12/4/09	Review of documents for workshop	1	5
12/9/09	Preparation for workshop	1	5
12/10/09	Workshop at PUC	7	5
12/11/09	Workshop at PUC	4	5
12/16/09	Call with Wisland, Cheng re LTPP	1	5

### May 2010

5/18/10	LTPP, review OIR, apply for party status	1	1
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### June 2010

6/2/10	LTPP, review of ALJ ruling	2½	1
6/8/10	Review of LTPP documents	1	1
6/10/10	Prep for workshop	1	1
6/11/10	LTPP workshop	4	1
6/14/10	LTPP pre-hearing conference	4	1
6/18/10	Workshop on LTPP RPS assumptions, inc. prep	8	6
6/21/10	Review of filings on rule book assumptions	1	1
6/23/10	Analysis of ruling & document, planning of comments	3	6
6/24/10	Analysis of documents and beginning comments	6	6
6/25/10	LTPP workshop #3 energy efficiency assumptions	3	6

### July 2010

7/2/10	Comments on RPS planning assumptions	5	6
7/5/10	Comments on RPS planning assumptions	1½	6

7/6/09	Comments on RPS planning standards for LTPP	8	6
7/7/10	Comments on RPS planning assumption for the LTPP	3	6
7/8/10	Comments on RPS planning assumptions for the 2010 LTPP	6½	6
7/9/10	Complete comments on RPS planning analysis for LTPP	7	6
7/9/10	File & serve comments on RPS planning analysis for LTPP	NC	6
7/12/10	Review other parties comments, work with Winston & Morris	2	6
7/13/10	Work on replies with Winston	½	6
7/14/10	Analysis of other parties comments	1	6
7/15/10	Replies on RPS planning assumption for LTPP	8	6
7/16/10	Complete reply comments – RPS planning standard in LTPP	5	6
7/16/10	File & serve reply comments – RPS planning standard in LTPP	NC	6
<b>August 2010</b>			
8/23/10	Review of ISO & PG&E integration studies	5	7
8/24/10	LTPP workshop on integration studies	7	7
8/25/10	LTPP integration workshop	6	7
<b>September 2010</b>			
9/17/10	Comments on integration models	2½	7
9/19/10	PUC complete comments on integration models	2	7
<b>October 2010</b>			
10/5/10	Review other parties comments on integration models	2½	7
10/19/10	Review of documents for Friday workshop	2	7
10/21/10	RPS prep for workshop	3	7
10/22/10	Integration workshop @ PUC	6½	7
<b>November 2010</b>			
11/22/10	Post workshop comments on integration models	5½	7
11/24/10	Review other parties comments, prep for 11/30 workshop on integration	2	7
11/29/10	Prep for workshop	1½	7
11/30/10	Workshop on integration models @ PUC	5½	7
<b>December 2010</b>			
12/20/10	Pre hearing conference & prep	4	1
12/23/10	Review recent rulings & filings	2	1
12/24/10	Review and analysis of rulings & three appendices	1½	1
<b>January 2011</b>			
1/6/11	Prep for meeting	1	1
1/7/11	Workshop on 33% RPS calculation	5	3
1/12/11	Informational meeting on track 2	2	1
<b>February 2011</b>			
2/11/11	Review ALJ ruling	1½	1
2/25/11	Review of PHC statements & documents	½	1
2/28/11	Pre hearing conference LTPP	4	1

**May 2011**

5/6/11	Analysis of data on scenarios, prep for workshop	4	7
5/9/11	prep for meeting @CEC	2	7
5/10/11	Meeting at CEC on ISO integration study results	8	7
5/12/11	Analysis of documents LTPP materials on scenarios	2	7
5/13/11	Analysis of scenarios	2½	7

**June 2011**

6/3/11	Analysis of documents including 5/31 ruling & new motions on ruling	4½	7
6/6/11	Review & analysis of 4/29 preliminary modeling results	4	7
6/9/11	Review & analysis of preliminary scenarios	3½	7
6/14/11	Analysis of preliminary scenarios	2	7
6/15/11	Analysis of new scenarios	3	7
6/29/11	Analysis of preliminary scenarios	2	7

**July 2011**

7/12/11	Review and analysis of July 1, 2011, Filings (Testimonies)	3	8
7/13/11	Review and analysis of July 1, 2011, Filings (Testimonies)	6½	8
7/14/11	Review and analysis of Testimony of the CAISO	3½	8
7/15/11	Review and analysis of Testimony of the CAISO	4½	8
7/18/11	Review and analysis of Testimony of the CAISO & the IOUs	2	8
7/20/11	Review and analysis of Parties' Testimonies	3½	8
7/21/11	Review and analysis of Parties' Testimonies	5	8
7/22/11	Review and analysis of Parties' Testimonies	6	8
7/24/11	Review and analysis of the Joint Utilities' Testimony	2	8
7/25/11	Review and analysis of the Joint Utilities' Testimony	2½	8
7/26/11	Review and analysis of Parties' Testimonies	7	8
7/27/11	Review and analysis of Parties' Testimonies	6½	8
7/28/11	Review and analysis of Parties' Testimonies	6	8
7/29/11	Analysis of Parties' Testimonies, attend Settlement Conf. via phone link	8	8
7/30/11	Review and analysis of Parties' Testimonies	3½	8

**August 2011**

8/1/11	Work on Testimony and on Settlement Agreement	3½	8
8/2/11	Work on Testimony and on Settlement, Settlement conf. call	8	8
8/3/11	Work on Testimony and on Settlement Agreement	8	8
8/4/11	Complete Testimony	6½	8
8/4/11	File and Serve Testimony	NC	8
8/5/11	Review other parties' Testimonies, work with Tam Hunt	1	8
8/8/11	Multiparty prehearing conf. call re. procedural issues, schedule	1	8
8/9/11	Review other parties' Testimonies, cross-examination estimates	2	8
8/11/11	First day of LTPP Hearings at PUC	5	8
8/12/11	Preparation for Hearings next week	5	8
8/14/11	Preparation of cross examinations for Hearings next week	2	8
8/15/11	Opening Session of LTPP Hearings at PUC	2	8
8/16/11	Full day of LTPP Hearings at PUC	8	8



8/17/11	Preparation of cross examinations for Hearing tomorrow	1½	8
8/18/11	Final day for GPI of LTPP Hearings at PUC	4½	8

**September 2011**

9/1/11	Begin work on Opening Brief for LTPP	2	8
9/2/11	Continue work on Opening Brief for LTPP	2½	8
9/6/11	Continue work on Opening Brief for LTPP	5½	8
9/7/11	Continue work on Opening Brief for LTPP	5½	8
9/8/11	Continue work on Opening Brief for LTPP	½	8
9/13/11	Continue work on Opening Brief for LTPP	4½	8
9/14/11	Continue work on Opening Brief for LTPP	5½	8
9/15/11	Continue work on Opening Brief for LTPP	6½	8
9/16/11	Complete Opening Brief for LTPP	5	8
9/16/11	File & serve Opening Brief for LTPP	NC	8
9/26/11	Review of other parties' Opening Briefs	2	8
9/30/11	Begin work on Reply Brief for LTPP	2	8

**October 2011**

10/3/11	Complete Reply Brief for LTPP	6½	8
10/3/11	File & serve Reply Brief for LTPP	NC	8

**February 2012**

2/22/11	Review of Track I / III PD in LTPP	2½	9
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**March 2012**

3/8/11	Review of Track I / III PD in LTPP, begin Comments	2½	9
3/11/11	Continue work on Comments on Track I / III PD	3½	9
3/12/11	Complete Comments on Track I / III PD	5	9
3/12/11	File and serve Comments on Track I / III PD	NC	9
3/19/11	Review other parties' Comments on PD, write Reply	5½	9
3/19/11	File and serve Reply Comments on Track I / III PD	NC	9
3/26/11	Participate in all-party meeting with Comms. Florio & Sandoval	4½	9

**Detail on Professional Hours for GPI Staff Attorney Tam Hunt**

**July 2011**

7/1/11	Review LTPP Track 1 plans	¾	8
7/6/11	Review LTPP Track 1 plans	1½	8
7/7/11	Review LTPP Track 1 plans	¾	8
7/26/11	Draft Comments on CAISO and IOU Track 1 Testimony	2¾	8
7/28/11	Draft Comments on CAISO and IOU Track 1 Testimony	3½	8
7/29/11	Draft Comments on CAISO and IOU Track 1 Testimony	3	8
7/31/11	Draft Comments on CAISO and IOU Track 1 Testimony	1½	8

**August 2011**

8/1/11	Review proposed Settlement, draft Comments on Track I	5¼	8
8/2/11	Draft Comments on Track I Testimony	2½	8

8/3/11	Review proposed Settlement, draft Comments on Track I	1½	8
8/8/11	Review parties' Comments on Tracks I&III Testimony	¾	8
8/9/11	Review parties' Comments on Tracks I&III Testimony	½	8
8/12/11	Review parties' Reply Comments, prepare cross questions	3¼	8
8/13/11	Review parties' Reply Comments, prepare cross questions	2¼	8

### September 2011

9/15/11	Review and analyze parties' Opening Briefs	1	8
9/16/11	Review and analyze parties' Opening Briefs	¾	8
9/21/11	Review and analyze parties' Opening Briefs	1½	8
9/26/11	Review and analyze parties' Opening Briefs	½	8
9/29/11	Draft Reply Brief	3¼	8
9/30/11	Draft Reply Brief	3¼	8

### Detail on Professional Hours for GPI Associate Logan Winston

#### July 2010

7/12/10	Research on data assumptions for the 2010 LTPPs	5¼	6
7/13/10	Research on data assumptions for the 2010 LTPPs	7¼	6

### Detail on Professional Hours for GPI Associate Vennessia Whiddon

#### February 2011

2/24/11	Analyze and summarize parties' PHC Statements	1½	1
2/25/11	Analyze and summarize parties' PHC Statements	1½	1

#### July 2011

7/25/11	Research on LTPP filings and Responses to Data Requests	1½	8
7/27/11	Research on LTPP filings and Responses to Data Requests	1½	8

#### August 2011

8/10/11	Research on LTPP filings and Responses to Data Requests	3	8
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#### October 2011

10/17/11	Analyze and summarize LTPP Reply Briefs	1½	8
10/21/11	Analyze and summarize LTPP Reply Briefs	½	8

#### March 2012

3/22/12	Analyze and summarize Comments on Proposed Decision	½	9
3/23/12	Analyze and summarize Comments on Proposed Decision	4	9
3/24/12	Analyze and summarize Comments on Proposed Decision	1½	9
3/29/12	Analyze and summarize Reply Comments on Proposed Decision	1½	9
3/30/12	Analyze and summarize Reply Comments on Proposed Decision	5	9

**Detail on Professional Hours for GPI Associate Valerie Morris**

**August 2009**

8/03/09	Review and analyze documents on 33% implementation analysis	1½	3
8/04/09	Review and analyze documents on 33% implementation analysis	3	3
8/05/09	Review and analyze documents on 33% implementation analysis	7	3
8/06/09	Workshop @ PUC on LTPP Staff Proposal	8	3
8/07/09	Workshop @ PUC on LTPP Staff Proposal	7	3
8/10/09	Work with UCS and NRDC on Comments on 33% analysis	5½	3
8/12/09	Work with UCS and NRDC on Comments on 33% analysis	4½	3
8/13/09	Work with UCS and NRDC on Comments on 33% analysis	1½	3
8/20/09	Work with UCS and NRDC on Comments on 33% analysis	6	3
8/23/09	Work with UCS and NRDC on Comments on 33% analysis	5	3
8/24/09	Work with UCS and NRDC on Comments on 33% analysis	3½	3

**Details on Expenses (mailing of documents)**

3/17/08	\$1.00 x 6	\$ 6.00
6/30/08	\$1.17 x 8	\$ 9.36
8/15/08	\$1.17 x 9	\$ 10.53
8/22/08	\$1.17 x 9	\$ 10.53
9/05/08	\$1.17 x 7	\$ 8.19
7/21/09	\$1.05 x 8	\$ 8.40
7/09/10	\$1.39 x 6	\$ 8.34
7/16/10	\$1.05 x 6	\$ 6.30
9/19/10	\$1.22 x 7	\$ 8.54
11/22/10	\$1.39 x 7	\$ 9.73
8/04/11	\$1.22 x 6	\$ 7.32
9/16/11	\$1.56 x 6	\$ 9.36
10/03/11	\$1.22 x 6	\$ 7.32
3/12/12	\$1.10 x 4	\$ 4.40
3/19/12	\$1.10 x 4	\$ 4.40
Total		\$118.72