

## 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** (using the same categories used for documenting Substantial Contributions)

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**

7/9/10	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
9/21/10	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
8/4/11	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

		Hrs	Issue
<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
<b>August 2008</b>			
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
	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
	File & serve reply comments – RPS planning standard in LTPP	NC	6

**August 2010**

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

**September 2010**

9/17/10	Comments on integration models	2½	7
9/19/10	PUC complete comments on integration models	2	7

**October 2010**

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

**November 2010**

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

**December 2010**

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

**January 2011**

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

**February 2011**

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