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October 19, 2009

VIA ELECTRONIC AND U.S. MAIL

PUC Filing Center
Public Utility Commission of Oregon
PO Box 2148
Salem, OR 97308-2148


**Re: In The Matter of IDAHO POWER COMPANY 2010 Annual Power Cost Update,
October Update**

Attention Filing Center:

Enclosed for filing in the captioned docket are the original and five copies of the testimony of Scott Wright (Idaho Power/100-107), and an original and one copy of the Motion for Protective Order.

Thank you in advance for your assistance.

Very truly yours,


Wendy McIndoo

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CERTIFICATE OF SERVICE

I hereby certify that I served a true and correct copy of the foregoing document in
UE ____ on the following named person(s) on the date indicated below by email and first-
class mail addressed to said person(s) at his or her last-known address(es) indicated below.

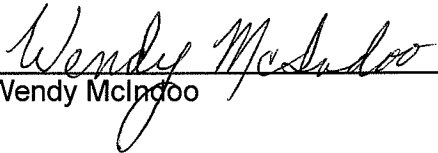
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DATED: October 19, 2009.



Wendy McIndoo

1 **BEFORE THE PUBLIC UTILITY COMMISSION**
2 **OF OREGON**

3 UE _____

4 In the Matter of:
5 Idaho Power Company's 2010 Annual
6 Power Cost Update

MOTION FOR PROTECTIVE ORDER

7 Pursuant to ORCP 36(C)(7) and OAR 860-012-0035(1)(k), Idaho Power Company
8 ("Idaho Power" or "Company") moves for the entry of the Public Utility Commission of
9 Oregon's ("Commission") general protective order in this proceeding. Good cause exists to
10 issue a Protective Order to protect commercially sensitive and confidential business
11 information related to the Company's 2010 Annual Power Cost Update. In support of this
12 Motion, the Company states:

13 1. The Commission's rules authorize Idaho Power to seek reasonable restrictions
14 on discovery of trade secrets and other confidential business information. See OAR 860-11-
15 000(3) (adopting Oregon Rules of Civil Procedure ("ORCP"); ORCP 36(C)(7) (providing
16 protection against unrestricted discovery of "trade secrets or other confidential research,
17 development, or commercial information"). See also *In re Investigation into the Cost of*
18 *Providing Telecommunication Service*, Docket UM 351, Order No. 91-500 (1991) (recognizing
19 that protective orders are a reasonable means to protect "the rights of a party to trade secrets
20 and other confidential commercial information" and "to facilitate the communication of
21 information between litigants").

22 2. Along with this motion Idaho Power has filed its 2010 Annual Power Cost
23 Update. Idaho Power has filed testimony regarding the power cost variance, and the 2010
24 Annual Power Cost Update to be refunded to customers. The work papers that support the
25 testimony filed by Idaho Power in this docket include confidential, sensitive business
26

1 information, including Idaho Power's timing of and prices for electricity purchases and sales,
2 fuel purchases and other contracts. Idaho Power anticipates that there may be requests for
3 further confidential information during this docket as well. Idaho Power desires to provide the
4 requested information, but the information is confidential, sensitive business information and
5 of significant commercial value, and its public disclosure could be detrimental to Idaho Power
6 and its customers.

7 3. It is substantially likely that Staff and others in this proceeding will seek to
8 discover confidential business information. "The Commission's standard blanket protective
9 order is designed to facilitate discovery in cases involving discovery of large numbers of
10 documents." See *In re Portland Extended Area Service Region*, Docket UM 261, Order No.
11 91-958 (1991). Issuance of a protective order will facilitate the production of relevant
12 information and expedite the discovery process.

13 For the foregoing reasons, Idaho Power requests entry of a standard Protective Order
14 in this docket.

15 DATED: October 19, 2009.

McDOWELL & RACKNER PC



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IDAHO POWER COMPANY

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BEFORE THE PUBLIC UTILITY COMMISSION

OF OREGON

UE _____

In the Matter of

Idaho Power Company's 2010
Annual Power Cost Update,
October Update

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IDAHO POWER COMPANY

DIRECT TESTIMONY

OF

SCOTT L. WRIGHT

October 19, 2009

1 **Q. Please state your name, business address, and present position**
2 **with Idaho Power Company (the "Company").**

3 A. My name is Scott L. Wright. I am employed by Idaho Power Company as
4 a Pricing Analyst in the Pricing and Regulatory Services Department. My business
5 address is 1221 West Idaho Street, Boise, Idaho 83702.

6 **Q. Please describe your education background.**

7 A. I received a Bachelor of Science degree in Business Economics from
8 Eastern Oregon University. I have attended the Center for Public Utilities College of
9 Business Administration and Economics Practical Skills for a Changing Electric course in
10 Albuquerque, New Mexico.

11 **Q. Please describe your work experience?**

12 A. In May 1998, I accepted a position as Research Assistant with Idaho
13 Power Company in the Pricing and Regulatory Services Department. In March 2007, I
14 was promoted to a Pricing Analyst. As a Pricing Analyst, I am responsible for running the
15 AURORAxmp model to calculate net power supply expenses for ratemaking purposes,
16 along with the marginal cost of energy used in the Company's Marginal Cost Analysis. In
17 December 2007, I was assigned the task of working on Bonneville Power Administration's
18 Average System Cost Methodology and the WP-07 Supplemental rate case proceeding. I
19 also provide analytical support for other regulatory activities within the Pricing and
20 Regulatory Services Department.

21 **Q. What is the purpose of your testimony?**

22 A. The purpose of my testimony is to describe the Company's October
23 Update for the 2010 Annual Power Cost Update ("APCU"), which is required as detailed in
24 Order No. 08-238.¹

25 ¹ The last Idaho Power APCU October Update docket, UE 203 filed October 23,
26 2008, was captioned *In the Matter of Idaho Power Co. 2008 Annual Power Cost Update*,

1 **Q. What is the October Update?**

2 A. The October Update is the Company's estimate of what "normal" power
3 supply expenses will be for an upcoming water year. In this case, the water year is April
4 2010 through March 2011.

5 **Q. Was the AURORA model used for this October Update?**

6 A. Yes.

7 **Q. Please describe the AURORA model and how it is used by the**
8 **Company?**

9 A. The AURORA model is a comprehensive electric market resource
10 dispatch model. The Company uses AURORA to determine the economic dispatch of its
11 resources to determine a net power supply expense under "normal" conditions.

12 **Q. Please describe the variables that are to be updated in the AURORA**
13 **model for the October Update as delineated in Order No. 08-238.**

14 A. Order No. 08-238 identified the following variables to be updated in the
15 AURORA model annually for the October Update: fuel prices, transportation costs,
16 maintenance rates, heat rates, and forced outage rates for the thermal plants. This year's
17 update is for the April 2010 through March 2011 test year and reflects updated plant
18 capacities for all Company-owned resources as well as an updated Sales and Load
19 Forecast.

20 Natural gas prices were updated using the forecast methodology used in the

21

22

23 *October Update.* Although the caption referred to the filing as the 2008 update, the
24 testimony referred to it as the "2009 Annual Power Cost Update" because the filing reflected
25 the estimated normal power expenses for April 2009 through March 2010. See Docket UE
26 203, Idaho Power/100, Wright/2, ll. 1-3 (emphasis added). Likewise, this filing describes the
October Update for the 2010 APCU because it reflects the estimated power costs for April
2010 to March 2011. Therefore, the caption for this filing is *In the Matter of Idaho Power Co.
2010 Annual Power Cost Update, October Update.*

26

1 Company's Integrated Resource Plan. This methodology uses PIRA, NYMEX, NGX, EIA,
2 and Global Insights forecast data to develop a normalized gas price that is used for
3 ratemaking purposes. The normalization process reduces volatility that may occur in the
4 short-term market.

5 PURPA contracts and other wholesale contracts were updated to reflect expected
6 costs during the April 2010 through March 2011 test year.

7 **Q. Have you prepared an exhibit to demonstrate the normalization of**
8 **variable power supply expenses for this scenario?**

9 A. Yes. Exhibit No. 101 shows the results of the variable power supply
10 expense normalization modeling for the April 2010 through March 2011 test year. Exhibit
11 No. 101 shows the summary results containing the 81-year average variable power supply
12 generation sources and expenses.

13 **Q. Please summarize the sources and disposition of energy shown on**
14 **Exhibit No. 101.**

15 A. Hydro generation supplies 8.7 million megawatt-hours ("MWh"),
16 approximately 47 percent (8.7 million MWh / 18.4 million MWh = 47 percent) of the
17 generation mix. Thermal generation supplies 6.9 million MWh (Bridger 4.9, Boardman 0.4,
18 and Valmy 1.6), approximately 38 percent (6.9 million MWh / 18.4 million MWh = 38
19 percent) of the generation mix. Danskin and Bennett Mountain are peaking units;
20 therefore, they supply energy at times when resources and/or transmission lines are
21 constrained. Purchases of power are made up of short-term and longer term market
22 purchases and PURPA. PURPA purchases are normalized and account for nearly 1.7
23 million MWh. PURPA purchases are not included on Exhibit No. 101; however, when
24 combined with market purchases of 1.1 million MWh, total purchases amount to 2.8 million
25 MWh (1.7 million MWh + 1.1 million MWh = 2.8 million MWh), approximately 15 percent
26 (2.8 million MWh / 18.4 million MWh = 15 percent) of the generation mix. Of the 20.9

1 million MWh consumed, 18.4 million MWh are utilized for system loads while nearly 2.5
2 million MWh are sold as surplus.

3 **Q. Please explain the changes in coal prices from last year's October**
4 **filing.**

5 A. The coal prices at the Bridger plant have increased from \$15.83 per MWh
6 to \$21.32 per MWh. The coal prices at the Boardman plant have increased from \$16.42
7 per MWh to \$18.25 per MWh. The coal prices at the Valmy plant have increased from
8 \$25.23 per MWh to \$30.94 per MWh.

9 **Q. What are the factors that are driving the increase in coal prices?**

10 A. Coal price increases are the result of a number of factors, principally, the
11 costs of mining and transportation. Higher costs for steel, explosives, tires, and diesel fuel
12 as well as higher costs to remove overburden associated with deeper coal seams have
13 combined to drive coal mining costs higher. Once mined, coal is transported via railroad
14 cars, again, at higher costs than in prior years.

15 In addition, historic costs at Bridger and Valmy have remained relatively low due to
16 long-term coal supply contracts that expire at the end of 2009. These contracts are being
17 replaced with newly negotiated agreements starting in 2010. The base prices of these
18 new agreements reflect the higher costs associated with current conditions that were
19 mentioned above. While the new contracts provide for escalation during the five-year term
20 of the contracts, these annual increases to be experienced over the next five years are not
21 anticipated to be of the same magnitude as the single year change from 2009 to 2010 that
22 will occur with the beginning of the new contracts.

23 Boardman has a new coal supply agreement in place that began in 2009 that
24 includes a specified price increase for 2010. This one-year increase was not as significant
25 as the one-year increases for Bridger and Valmy, which resulted from legacy contracts
26 being replaced with new contracts.

1 **Q. Please describe the change in PURPA generation and expenses**
2 **since last year's October filing.**

3 A. PURPA generation has increased from 124 average megawatts ("aMW")
4 to 193 aMW, an increase of 69 aMW. PURPA expenses have also increased from \$63.7
5 million to \$117.6 million, an increase of \$53.9 million. The additional PURPA generation is
6 caused by several PURPA projects, mostly wind, coming on-line during the April 2010
7 through March 2011 time period. The additional PURPA expense is partly driven by
8 additional PURPA generation, as well as the re-pricing of PURPA contracts. Last year's
9 filing didn't include any re-pricing of PURPA contracts.

10 **Q. Please explain the treatment of PURPA expense in Oregon.**

11 A. Many of the PURPA contracts have payment provisions that require the
12 Company to provide levelized monthly payments over the length of the contract. Oregon
13 regulation requires the Company to reflect a non-levelized payment stream in rates, rather
14 than the levelized monthly payment stream. The Oregon method provides benefits in the
15 early years of the contract by paying less than the actual contract levels. As time passes,
16 the non-levelized method required in Oregon begins to exceed the levelized monthly
17 payment stream, thus reflecting the higher re-priced costs. As mentioned earlier, the re-
18 pricing was not included in last year's 2008 October Update due to an oversight by the
19 Company. The omission of this adjustment resulted in a one-year benefit for the Oregon
20 customers.

21 **Q. Please describe the change in the Company's system loads since**
22 **last year's October filing.**

23 A. The Company's annual normalized system load used in last year's April
24 2009 through March 2010 filing was 1,875 aMW. The Company's April 2010 through
25 March 2011 annual normalized system load used in this filing is 1,817 aMW, a decrease of
26 approximately 3.2 percent.

1 **Q. Are any new large loads expected to be on-line during the April 2010**
2 **through March 2011 time period which were not included in the Company's 2008**
3 **October Update?**

4 A. No. Hoku Materials, Inc. ("Hoku"), a manufacturer of solar panels, is
5 expected to come on-line in 2009. Hoku is the Company's most recent large load addition
6 and was included in the 2008 October Update, and is included in this 2009 October
7 Update.

8 **Q. Please explain the Hoku contract.**

9 A. The Electric Service Agreement ("ESA") between the Company and Hoku
10 is separated into two blocks. The first block of the contract charges market based rates,
11 while the second block charges embedded rates. The first block revenues are subtracted
12 from the NPSE in a similar manner to the treatment of surplus sales, which also reduce
13 NPSE.

14 **Q. How is the Hoku ESA treated in your NPSE calculations?**

15 A. The Hoku ESA loads were included during the April 2010 through March
16 2011 time period, while first block revenues were subtracted from the NPSE as mentioned
17 above.

18 **Q. What forward price curve did the Company use to re-price**
19 **purchased power and surplus sales?**

20 A. For the October Update, the Company used the methodology approved in
21 Order No. 08-238. This methodology uses a one-year average of the daily forward price
22 curves for April 2011 through March 2012 shown in Exhibit No. 102, which is then
23 discounted for inflation back to April 2010 through March 2011 according to the quarterly
24 inflation indices provided in Exhibit No. 103.

25 **Q. What are the average forward price curves the Company used to re-**
26 **price purchased power and surplus sales for the normalized test year?**

1 A. Exhibit No. 104 shows the revised monthly prices for April 2010 through
2 March 2011. These are considered the "normal" forward prices used to re-price the
3 Company's purchased power and surplus sales estimates for the normalized test year.

4 **Q. How does the re-pricing of purchased power and surplus sales,**
5 **using a "normal" forward price curve, change the purchased power expenses and**
6 **surplus sales revenues as modeled by AURORA?**

7

8 A. Exhibit No. 101 shows the purchased power expenses and surplus sales
9 revenues before re-pricing. Exhibit No. 105 shows the same normalized generation
10 dispatch with purchased power and surplus sales re-priced using the normalized forward
11 price curve shown in Exhibit No. 104. A comparison of Exhibit No. 101 and Exhibit No.
12 105 demonstrates the changes due to re-pricing. Purchased power expenses decrease
13 by \$1.8 million, moving from \$40.2 million to \$38.4 million. Surplus sales revenues
14 increase by \$29.9 million, moving from \$84.5 million to \$114.4 million.

15 **Q. Does the methodology used to estimate the power supply expenses**
16 **represented in Exhibit No. 104 conform with the methodology detailed in Order No.**
17 **08-238?**

18 A. Yes, it does.

19 **Q. What is the October Update unit cost per megawatt-hour ("\$/MWh")**
20 **represented by this filing?**

21 A. Exhibit No. 105 shows the normalized annual sales at customer level for
22 the April 2010 through March 2011 test year are 14,505,160 MWh. Based upon test year
23 sales, the cost per unit for the October Update to become effective on June 1, 2010, is
24 \$14.86 per MWh ($\$215.6 \text{ million} / 14.505 \text{ million MWh} = \14.86 per MWh).

25 **Q. How does this \$14.86 per MWh October Update compare to the**
26 **October Update that resulted from last year's computation?**

1 A. The October Update unit cost that was part of the Combined Rate which
2 became effective June 1, 2009, was \$10.94 per MWh. This year's October Update of
3 \$14.86 per MWh equates to an increase of \$3.92 per MWh ($\$14.86 - \$10.94 = \3.92).

4 **Q. Have you prepared or supervised the preparation of an exhibit**
5 **showing the summary of revenue impact resulting from the October Update**
6 **proposed by the Company?**

7

8 A. Yes. Exhibit No. 106 provides a summary of the revenue change
9 resulting from this year's October Update as compared to last year's October Update.

10 **Q. What is the overall revenue impact of this year's October Update?**

11 A. The overall revenue impact of the October Update is an 8.17 percent
12 increase.

13 **Q. Please explain the components that make up the Adjustment Rates**
14 **on Schedule 55.**

15 A. The October Update, as described by this filing, is combined with the
16 March Forecast Rate, to create a Combined Rate. The Adjustment Rates detailed in
17 Exhibit No. 107, Schedule 55, are the difference between the Combined Rate and the
18 Base Rate established in UE 167.

19 **Q. What are the Adjustment Rates as a result of this October Update?**

20 A. For purposes of this filing, the Combined Rate was calculated using the
21 October Update of \$14.86 per MWh plus the current March Forecast Rate for April 2009
22 through March 2010 of \$5.10 per MWh. The Combined Rate equates to \$19.96 per MWh
23 ($\$14.86 + \$5.10 = \$19.96$). The Adjustment Rates are the difference between the
24 Combined Rate of \$19.96 per MWh and the current Base Rate of \$3.47 per MWh,
25 established in UE 167. This difference is \$16.49 per MWh ($\$19.96 - \$3.47 = \16.49). The
26 Adjustment Rates are 1.6490 cents per kilowatt-hour.

1 **Q. Has the Company filed a draft tariff sheet that reflects the proposed**
2 **change?**

3 A. Yes. The Company has filed a draft Schedule 55, Exhibit No. 107, that
4 reflects the October Update which will serve as a placeholder until the March Forecast for
5 the April 2010 through March 2011 test year has been run. When the March Forecast run
6 is complete, a new Schedule 55 will be submitted to reflect the new Adjustment Rates.
7 Rates will become effective on June 1, 2010.

8 **Q. Does this conclude your testimony?**

9 A. Yes it does.

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Idaho Power/101
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright

Power Supply Costs for April 2010 - March 2011
Normalized Loads Over 81 Water Year Conditions

October 19, 2009

IPCO POWER SUPPLY COSTS FOR APRIL 2010 - MARCH 2011 NORMALIZED LOADS OVER 81 WATER YEAR CONDITIONS

AVERAGE

	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>Annual</u>
Hydroelectric Generation (MWh)	876,347.8	998,326.7	900,259.4	638,249.5	533,408.2	543,119.3	538,671.0	466,902.2	674,518.4	779,739.1	849,131.2	863,751.2	8,662,423.8
Bridger													
Energy (MWh)	304,812.6	308,579.4	348,867.1	455,385.3	457,846.7	433,455.5	458,925.7	457,089.3	472,452.6	439,018.9	393,145.9	407,326.1	4,936,905.2
Cost (\$ x 1000)	\$ 6,515.2	\$ 6,602.8	\$ 7,492.4	\$ 9,687.0	\$ 9,734.6	\$ 9,230.3	\$ 9,758.1	\$ 9,698.7	\$ 10,024.5	\$ 9,381.7	\$ 8,406.9	\$ 8,716.7	\$ 105,249.1
Boardman													
Energy (MWh)	30,447.4	855.1	24,548.6	36,820.7	37,321.9	36,011.9	37,816.4	36,673.0	37,453.8	30,360.4	28,684.5	34,132.9	371,126.6
Cost (\$ x 1000)	\$ 557.3	\$ 15.8	\$ 457.3	\$ 659.9	\$ 667.7	\$ 644.6	\$ 675.4	\$ 654.7	\$ 669.8	\$ 582.4	\$ 546.1	\$ 642.8	\$ 6,773.8
Valmy													
Energy (MWh)	80,713.5	63,126.3	114,243.2	162,179.4	164,317.4	148,919.1	162,434.1	170,138.1	174,862.3	135,394.6	120,468.9	127,937.3	1,624,734.3
Cost (\$ x 1000)	\$ 2,467.9	\$ 1,937.0	\$ 3,509.1	\$ 4,929.5	\$ 4,990.7	\$ 4,528.7	\$ 4,935.2	\$ 5,151.1	\$ 5,296.1	\$ 4,420.1	\$ 3,924.9	\$ 4,176.2	\$ 50,266.5
Danskin													
Energy (MWh)	15.7	0.0	0.5	15,319.6	14,781.7	227.7	366.8	254.2	215.7	0.5	1.1	6.6	31,190.2
Cost (\$ x 1000)	\$ 1.1	\$ 0.0	\$ 0.0	\$ 936.4	\$ 908.6	\$ 15.0	\$ 23.5	\$ 20.0	\$ 18.9	\$ 0.0	\$ 0.1	\$ 0.4	\$ 1,924.1
Fixed Capacity Charge - Gas Transportation (\$ x 1000)	\$ 314.2	\$ 286.3	\$ 314.2	\$ 304.9	\$ 314.2	\$ 304.9	\$ 314.2	\$ 314.2	\$ 304.9	\$ 314.2	\$ 304.9	\$ 314.2	\$ 3,705.8
Total Cost	\$ 315.3	\$ 286.3	\$ 314.3	\$ 1,244.7	\$ 1,225.0	\$ 320.1	\$ 338.1	\$ 334.5	\$ 324.1	\$ 314.3	\$ 305.0	\$ 314.7	\$ 5,636.4
Bennett Mountain													
Energy (MWh)	0.6	-	-	4,357.5	7,370.5	28.2	38.3	40.3	12.0	-	-	-	11,847.4
Cost (\$ x 1000)	\$ 0.0	\$ -	\$ -	\$ 272.3	\$ 452.0	\$ 1.9	\$ 2.3	\$ 3.2	\$ 1.0	\$ -	\$ -	\$ -	\$ 732.8
Fixed Capacity Charge - Gas Transportation (\$ x 1000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Cost	\$ 0.0	\$ -	\$ -	\$ 272.3	\$ 452.0	\$ 1.9	\$ 2.3	\$ 3.2	\$ 1.0	\$ -	\$ -	\$ -	\$ 732.8
Purchased Power (Excluding CSPP)													
Market Energy (MWh)	970.9	19,498.2	37,735.3	197,931.0	209,982.4	66,798.4	4,547.8	28,199.6	48,390.7	35,018.2	3,852.9	1,063.0	653,988.5
Contract Energy (MWh)	27,086.1	30,806.6	63,919.2	67,636.3	61,277.4	22,010.0	31,184.2	29,743.0	36,917.3	30,054.1	23,193.1	25,715.8	449,543.2
Total Energy Excl. CSPP (MWh)	28,057.1	50,304.8	101,654.5	265,567.4	271,259.8	88,808.4	35,732.0	57,942.7	85,308.0	65,072.3	27,046.1	26,778.8	1,103,531.8
Market Cost (\$ x 1000)	\$ 34.3	\$ 973.0	\$ 1,595.7	\$ 14,006.0	\$ 12,437.9	\$ 3,578.3	\$ 269.6	\$ 2,027.8	\$ 3,676.1	\$ 1,385.1	\$ 180.2	\$ 32.1	\$ 40,196.0
Contract Cost (\$ x 1000)	\$ 1,062.9	\$ 1,207.5	\$ 4,701.6	\$ 5,295.0	\$ 4,862.4	\$ 1,180.4	\$ 1,663.1	\$ 1,904.4	\$ 2,357.5	\$ 1,638.3	\$ 1,268.6	\$ 1,036.6	\$ 28,178.3
Total Cost Excl. CSPP (\$ x 1000)	\$ 1,097.2	\$ 2,180.6	\$ 6,297.3	\$ 19,301.0	\$ 17,300.3	\$ 4,758.7	\$ 1,932.7	\$ 3,932.2	\$ 6,033.7	\$ 3,023.4	\$ 1,448.8	\$ 1,068.7	\$ 68,374.4
Surplus Sales													
Energy (MWh)	404,131.7	321,188.3	230,814.9	28,839.6	17,227.0	125,804.0	225,876.2	130,998.8	147,286.0	163,041.1	324,350.3	395,961.4	2,515,519.3
Revenue Including Transmission Costs (\$ x 1000)	\$ 12,860.9	\$ 8,999.9	\$ 6,426.9	\$ 923.5	\$ 610.7	\$ 4,370.7	\$ 8,973.0	\$ 5,767.6	\$ 6,702.1	\$ 5,689.9	\$ 11,602.0	\$ 14,044.3	\$ 86,971.4
Transmission Costs (\$ x 1000)	\$ 404.1	\$ 321.2	\$ 230.8	\$ 28.8	\$ 17.2	\$ 125.8	\$ 225.9	\$ 131.0	\$ 147.3	\$ 163.0	\$ 324.4	\$ 396.0	\$ 2,515.5
Revenue Excluding Transmission Costs (\$ x 1000)	\$ 12,456.8	\$ 8,678.7	\$ 6,196.1	\$ 894.6	\$ 593.5	\$ 4,244.9	\$ 8,747.1	\$ 5,636.6	\$ 6,554.8	\$ 5,526.8	\$ 11,277.6	\$ 13,648.3	\$ 84,455.9
Hoku First Block Revenues	\$ 2,411.4	\$ 2,487.3	\$ 1,586.5	\$ 785.5	\$ 1,309.1	\$ 2,094.1	\$ 2,487.3	\$ 2,411.4	\$ 2,487.3	\$ 2,487.3	\$ 2,259.6	\$ 2,487.3	\$ 25,294.3
Net Power Supply Costs (\$ x 1000)	\$ (3,915.3)	\$ (143.6)	\$ 10,287.9	\$ 34,410.9	\$ 32,465.6	\$ 13,145.1	\$ 6,407.0	\$ 11,726.1	\$ 13,306.8	\$ 9,707.7	\$ 1,094.5	\$ (1,216.6)	\$ 127,276.2
Purchased Power	35.28	49.90	42.29	70.76	59.23	53.57	59.28	71.91	75.97	39.55	46.77	30.18	61.46
Surplus Sales	30.82	27.02	26.84	31.02	34.45	33.74	38.73	43.03	44.50	33.90	34.77	34.47	33.57

Idaho Power/102
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright

One-year Average of Daily Forward Price Curves for
April 2011 - March 2012

October 19, 2009

Mid-Columbia Heavy Load and Light Load Daily Forward Curves
April 2011 - March 2012

MidC HL	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12
10/1/2008	56.01	48.95	46.42	75.39	83.41	81.81	74.70	77.04	81.71	74.10	69.80	63.15
10/2/2008	55.95	48.89	46.37	76.63	84.79	83.15	75.35	77.71	82.42	75.73	69.03	62.46
10/3/2008	55.99	48.92	46.40	76.12	84.21	82.59	74.59	76.92	81.59	73.58	69.45	62.83
10/6/2008	54.44	47.57	45.12	74.08	81.96	80.38	73.75	76.05	80.66	72.75	68.21	61.71
10/7/2008	53.70	46.92	44.51	74.39	82.30	80.72	72.75	75.02	79.57	72.08	67.19	60.79
10/8/2008	53.43	46.69	44.29	74.09	81.98	80.40	72.16	74.41	78.92	72.02	67.10	60.71
10/9/2008	53.35	46.62	44.22	73.22	81.01	79.45	71.60	73.83	78.31	71.79	66.58	60.24
10/10/2008	51.23	44.77	42.46	70.94	78.49	76.98	69.06	71.22	75.54	68.11	63.73	57.66
10/13/2008	48.50	42.39	40.20	70.26	77.74	76.24	68.17	70.30	74.56	73.58	66.22	59.92
10/14/2008	51.39	44.91	42.59	70.91	78.46	76.95	69.02	71.18	75.49	69.69	63.56	57.50
10/15/2008	50.20	43.87	41.61	68.37	75.65	74.19	66.69	68.77	72.94	67.53	63.47	57.42
10/16/2008	48.58	42.46	40.27	67.99	75.22	73.77	65.33	67.38	71.46	67.00	62.23	56.30
10/17/2008	48.24	42.16	39.99	68.26	75.52	74.07	66.15	68.22	72.35	68.40	62.95	56.95
10/20/2008	48.22	42.14	39.97	68.06	75.30	73.85	66.06	68.12	72.25	68.92	61.38	55.54
10/21/2008	49.23	43.02	40.80	68.31	75.58	74.12	66.68	68.77	72.94	67.06	63.65	57.59
10/22/2008	48.29	42.20	40.02	67.23	74.39	72.96	65.59	67.64	71.74	66.73	62.46	56.52
10/23/2008	47.30	41.33	39.20	66.33	73.39	71.97	65.14	67.17	71.24	67.31	59.13	53.50
10/24/2008	46.05	40.24	38.17	65.99	73.01	71.61	64.59	66.61	70.64	65.42	58.64	53.05
10/27/2008	47.80	41.77	39.61	67.72	74.92	73.48	66.24	68.31	72.45	64.59	60.43	54.67
10/28/2008	47.29	41.33	39.20	67.70	74.90	73.46	65.97	68.03	72.16	64.31	60.57	54.80
10/29/2008	49.50	43.26	41.03	69.87	77.30	75.82	68.98	71.13	75.45	67.99	62.68	56.71
10/30/2008	48.71	42.57	40.37	69.36	76.74	75.27	68.69	70.84	75.13	67.07	62.47	56.52
10/31/2008	50.26	43.92	41.65	70.41	77.90	76.40	70.29	72.49	76.88	68.46	63.04	57.04
11/3/2008	50.88	44.46	42.17	71.37	78.97	77.45	70.73	72.94	77.36	69.41	64.82	58.64
11/4/2008	53.58	46.82	44.41	72.65	80.37	78.83	72.32	74.58	79.10	73.35	66.80	60.44
11/5/2008	54.00	47.19	44.76	72.65	80.38	78.83	72.33	74.59	79.11	72.27	67.54	61.10
11/6/2008	53.20	46.49	44.10	72.46	80.16	78.62	72.38	74.65	79.17	70.91	66.07	59.78
11/7/2008	52.46	45.85	43.48	72.87	80.62	79.07	72.76	75.04	79.58	69.22	65.92	59.64
11/10/2008	53.75	46.97	44.55	72.93	80.69	79.14	72.85	75.13	79.68	71.95	67.14	60.74
11/12/2008	49.93	43.63	41.38	70.19	77.66	76.16	69.43	71.60	75.94	66.47	62.42	56.47
11/13/2008	50.08	43.76	41.51	70.77	78.30	76.80	70.03	72.22	76.60	65.66	60.67	54.89
11/14/2008	50.09	43.77	41.51	72.67	80.40	78.86	71.62	73.86	78.33	66.18	61.91	56.01
11/17/2008	50.68	44.29	42.00	73.49	81.31	79.75	72.19	74.45	78.96	68.04	63.45	57.41
11/18/2008	50.66	44.27	41.99	72.70	80.44	78.89	71.12	73.34	77.79	66.93	62.78	56.80
11/19/2008	51.57	45.07	42.74	72.42	80.13	78.59	71.20	73.42	77.87	66.95	62.42	57.62
11/20/2008	50.85	44.43	42.14	71.86	79.50	77.97	71.10	73.33	77.77	66.03	60.32	55.68
11/21/2008	51.17	44.72	42.41	71.67	79.30	77.77	70.93	73.14	77.58	67.68	61.16	56.46
11/24/2008	52.54	45.92	43.55	72.51	80.23	78.68	71.81	74.06	78.54	67.91	61.65	56.91
11/25/2008	50.64	44.25	41.97	70.83	78.36	76.85	69.79	71.97	76.33	66.22	59.69	55.10
11/26/2008	52.67	46.03	43.66	72.52	80.23	78.69	71.54	73.78	78.25	68.23	62.88	54.65
12/1/2008	50.84	44.43	42.14	71.67	79.29	77.77	71.21	73.43	77.88	68.75	60.41	52.51
12/2/2008	52.16	45.58	43.23	71.74	79.38	77.85	71.26	73.49	77.94	64.19	60.35	54.73
12/3/2008	51.28	44.81	42.50	71.36	78.95	77.43	70.44	72.64	77.05	63.51	59.32	54.29
12/4/2008	51.80	45.26	42.93	69.79	77.21	75.72	69.52	71.70	76.04	61.82	57.88	53.33
12/5/2008	50.78	44.37	42.08	68.51	75.80	74.34	68.21	70.34	74.61	61.60	55.50	51.84
12/8/2008	49.69	43.43	41.19	68.31	75.58	74.13	67.12	69.21	73.41	63.26	56.87	51.40
12/9/2008	50.91	44.49	42.19	68.98	76.31	74.85	68.68	70.83	75.12	65.51	58.23	52.47
12/10/2008	50.53	44.15	41.88	68.86	76.18	74.72	68.59	70.73	75.02	66.02	58.78	52.75
12/11/2008	50.00	43.70	41.44	68.74	76.05	74.59	68.72	70.87	75.16	65.76	59.00	52.24
12/12/2008	48.95	42.78	40.58	68.80	76.12	74.66	67.86	69.98	74.23	66.00	58.49	52.55
12/15/2008	49.18	42.97	40.76	67.36	74.53	73.09	66.79	68.88	73.06	69.28	58.87	53.22
12/16/2008	50.10	43.78	41.52	68.34	75.61	74.15	67.18	69.27	73.47	69.97	59.98	53.62
12/17/2008	49.42	43.19	40.96	67.93	75.16	73.72	67.04	69.13	73.32	68.00	59.46	53.67
12/18/2008	47.78	41.75	39.60	66.66	73.75	72.34	66.89	68.98	73.16	67.82	57.60	52.65

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12/19/2008	47.82	41.79	39.63	64.85	71.75	70.37	65.65	67.70	71.80	67.78	58.44	52.42
12/22/2008	45.14	39.44	37.41	64.00	70.81	69.44	64.47	66.49	70.52	65.28	56.00	50.74
12/23/2008	47.18	41.23	39.10	64.37	71.22	69.85	65.17	67.21	71.28	67.59	57.85	51.95
12/24/2008	46.95	41.03	38.91	64.40	71.25	69.88	65.20	67.24	71.31	66.43	58.98	52.43
12/26/2008	47.30	41.33	39.20	65.37	72.32	70.93	66.04	68.11	72.24	64.41	58.72	53.09
12/29/2008	47.46	41.48	39.34	66.61	73.70	72.28	67.46	69.57	73.78	64.06	59.01	52.79
12/30/2008	46.68	40.79	38.69	65.52	72.49	71.09	66.35	68.42	72.57	62.99	58.03	51.91
12/31/2008	45.31	39.60	37.56	63.60	70.37	69.01	64.40	66.42	70.44	61.93	57.06	51.03
1/2/2009	47.15	41.20	39.08	66.18	73.22	71.81	67.01	69.11	73.30	63.90	58.87	52.66
1/5/2009	47.07	41.14	39.01	66.07	73.09	71.69	66.90	68.99	73.17	63.79	58.77	52.57
1/6/2009	45.79	39.77	37.96	65.07	71.70	70.49	65.67	68.08	71.70	67.48	62.66	56.64
1/7/2009	45.41	39.44	37.64	64.53	71.10	69.91	65.13	67.52	71.10	66.92	62.14	56.17
1/8/2009	45.41	39.44	37.64	64.53	71.10	69.91	65.13	67.52	71.10	66.64	61.88	55.93
1/9/2009	45.60	39.60	37.80	64.80	71.40	70.20	65.40	67.80	71.40	66.64	61.88	55.93
1/12/2009	45.79	39.77	37.96	65.07	71.70	70.49	65.67	68.08	71.70	66.92	62.14	56.17
1/13/2009	45.60	39.60	37.80	64.80	71.40	70.20	65.40	67.80	71.40	67.20	62.40	56.40
1/14/2009	45.03	39.11	37.33	63.99	70.51	69.32	64.58	66.95	70.51	66.36	61.62	55.70
1/15/2009	44.27	38.45	36.70	62.91	69.32	68.15	63.49	65.82	69.32	65.24	60.58	54.76
1/16/2009	44.08	38.28	36.54	62.64	69.02	67.86	63.22	65.54	69.02	65.63	60.94	55.08
1/20/2009	44.08	38.28	36.54	62.64	69.02	67.86	63.22	65.54	69.02	65.24	60.58	54.76
1/21/2009	43.70	37.95	36.23	62.10	68.43	67.28	62.68	64.98	68.43	64.40	59.80	54.05
1/22/2009	43.70	37.95	36.23	62.10	68.43	67.28	62.68	64.98	68.43	64.40	59.80	54.05
1/23/2009	43.32	37.62	35.91	61.56	67.83	66.69	62.13	64.41	67.83	64.96	60.32	54.52
1/26/2009	44.27	38.45	36.70	62.91	69.32	68.15	63.49	65.82	69.32	66.08	61.36	55.46
1/27/2009	43.89	38.12	36.38	62.37	68.72	67.57	62.95	65.26	68.72	65.52	60.84	54.99
1/28/2009	43.89	38.12	36.38	62.37	68.72	67.57	62.95	65.26	68.72	66.36	61.62	55.70
1/29/2009	44.46	38.61	36.86	63.18	69.62	68.45	63.77	66.11	69.62	67.20	62.40	56.40
1/30/2009	44.27	38.45	36.70	62.91	69.32	68.15	63.49	65.82	69.32	66.64	61.88	55.93
2/2/2009	44.46	38.61	36.86	63.18	69.62	68.45	63.77	66.11	69.62	66.64	61.88	55.93
2/3/2009	43.89	38.12	36.38	62.37	68.72	67.57	62.95	65.26	68.72	66.08	61.36	55.46
2/4/2009	44.46	38.61	36.86	63.18	69.62	68.45	63.77	66.11	69.62	66.64	61.88	55.93
2/5/2009	44.27	38.45	36.70	62.91	69.32	68.15	63.49	65.82	69.32	66.36	61.62	55.70
2/6/2009	44.27	38.45	36.70	62.91	69.32	68.15	63.49	65.82	69.32	66.36	61.62	55.70
2/9/2009	44.08	38.28	36.54	62.64	69.02	67.86	63.22	65.54	69.02	66.08	61.36	55.46
2/10/2009	43.70	37.95	36.23	62.10	68.43	67.28	62.68	64.98	68.43	66.08	61.36	55.46
2/11/2009	43.13	37.46	35.75	61.29	67.53	66.40	61.86	64.13	67.53	64.96	60.32	54.52
2/12/2009	42.94	37.29	35.60	61.02	67.24	66.11	61.59	63.85	67.24	64.68	60.06	54.29
2/13/2009	42.67	37.06	35.37	60.64	66.82	65.70	61.20	63.45	66.82	64.57	59.96	54.19
2/17/2009	41.99	36.47	34.81	59.67	65.75	64.64	60.22	62.43	65.75	63.28	58.76	53.11
2/18/2009	41.04	35.64	34.02	58.32	64.26	63.18	58.86	61.02	64.26	61.88	57.46	51.94
2/19/2009	39.90	34.65	33.08	56.70	62.48	61.43	57.23	59.33	62.48	60.48	56.16	50.76
2/20/2009	39.90	34.65	33.08	56.70	62.48	61.43	57.23	59.33	62.48	59.92	55.64	50.29
2/23/2009	39.90	34.65	33.08	56.70	62.48	61.43	57.23	59.33	62.48	60.48	56.16	50.76
2/24/2009	40.09	34.82	33.23	56.97	62.77	61.72	57.50	59.61	62.77	61.04	56.68	51.23
2/25/2009	39.14	33.99	32.45	55.62	61.29	60.26	56.14	58.20	61.29	59.64	55.38	50.06
2/26/2009	39.52	34.32	32.76	56.16	61.88	60.84	56.68	58.76	61.88	59.92	55.64	50.29
2/27/2009	40.09	34.82	33.23	56.97	62.77	61.72	57.50	59.61	62.77	60.48	56.16	50.76
3/2/2009	39.33	34.16	32.60	55.89	61.58	60.55	56.41	58.48	61.58	59.36	55.12	49.82
3/3/2009	39.14	33.99	32.45	55.62	61.29	60.26	56.14	58.20	61.29	59.08	54.86	49.59
3/4/2009	38.76	33.66	32.13	55.08	60.69	59.67	55.59	57.63	60.69	59.08	54.86	49.59
3/5/2009	38.00	33.00	31.50	54.00	59.50	58.50	54.50	56.50	59.50	57.96	53.82	48.65
3/6/2009	37.24	32.34	30.87	52.92	58.31	57.33	53.41	55.37	58.31	56.84	52.78	47.71
3/9/2009	37.24	32.34	30.87	52.92	58.31	57.33	53.41	55.37	58.31	56.84	52.78	47.71
3/10/2009	36.86	32.01	30.56	52.38	57.72	56.75	52.87	54.81	57.72	56.28	52.26	47.24
3/11/2009	36.86	32.01	30.56	52.38	57.72	56.75	52.87	54.81	57.72	56.28	52.26	47.24

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3/12/2009	37.24	32.34	30.87	52.92	58.31	57.33	53.41	55.37	58.31	56.84	52.78	47.71
3/13/2009	37.05	32.18	30.71	52.65	58.01	57.04	53.14	55.09	58.01	56.28	52.26	47.24
3/16/2009	36.97	32.11	30.65	52.54	57.89	56.92	53.03	54.97	57.89	56.56	52.52	47.47
3/17/2009	36.67	31.85	30.40	52.11	57.42	56.45	52.59	54.52	57.42	56.28	52.26	47.24
3/18/2009	36.48	31.68	30.24	51.84	57.12	56.16	52.32	54.24	57.12	56.56	52.52	47.47
3/19/2009	38.00	33.00	31.50	54.00	59.50	58.50	54.50	56.50	59.50	59.08	54.86	49.59
3/20/2009	39.08	34.00	32.48	56.33	61.41	59.89	55.32	57.35	60.39	58.32	54.04	48.69
3/23/2009	39.66	34.51	32.96	57.17	62.32	60.77	56.14	58.20	61.29	59.13	54.79	49.37
3/24/2009	40.62	35.34	33.76	58.55	63.83	62.25	57.50	59.61	62.77	60.50	56.06	50.51
3/25/2009	40.62	35.34	33.76	58.55	63.83	62.25	57.50	59.61	62.77	60.50	56.06	50.51
3/26/2009	40.04	34.84	33.28	57.72	62.92	61.36	56.68	58.76	61.88	59.68	55.30	49.82
3/27/2009	39.27	34.17	32.64	56.61	61.71	60.18	55.59	57.63	60.69	59.13	54.79	49.37
3/30/2009	39.46	34.34	32.80	56.89	62.01	60.48	55.86	57.91	60.99	59.13	54.79	49.37
3/31/2009	40.43	35.18	33.60	58.28	63.53	61.95	57.23	59.33	62.48	60.33	55.90	50.37
4/1/2009	40.23	35.01	33.44	58.00	63.22	61.66	56.95	59.04	62.18	59.95	55.55	50.05
4/2/2009	40.04	34.84	33.28	57.72	62.92	61.36	56.68	58.76	61.88	60.22	55.80	50.28
4/3/2009	40.23	35.01	33.44	58.00	63.22	61.66	56.95	59.04	62.18	60.50	56.06	50.51
4/6/2009	39.66	34.51	32.96	57.17	62.32	60.77	56.14	58.20	61.29	59.68	55.30	49.82
4/7/2009	40.20	34.98	33.41	57.21	62.36	60.82	56.18	58.24	61.33	58.60	53.76	48.92
4/8/2009	40.68	35.40	33.81	57.58	62.77	61.21	56.55	58.62	61.73	59.21	54.32	49.43
4/9/2009	40.38	35.13	33.56	57.55	62.74	61.18	56.52	58.59	61.70	58.64	53.80	48.96
4/13/2009	39.87	34.70	33.14	57.21	62.36	60.82	56.18	58.24	61.33	58.67	53.82	48.98
4/14/2009	41.01	35.68	34.08	58.66	63.95	62.36	57.61	59.72	62.89	59.17	54.28	49.40
4/15/2009	41.91	36.46	34.83	59.13	64.46	62.86	58.07	60.20	63.40	59.91	54.96	50.02
4/16/2009	41.72	36.30	34.68	59.22	64.56	62.96	58.15	60.29	63.49	59.36	54.46	49.56
4/17/2009	42.14	36.66	35.02	60.25	65.68	64.05	59.17	61.34	64.60	60.14	55.17	50.21
4/20/2009	41.07	35.74	34.14	59.64	65.02	63.40	58.57	60.72	63.94	59.55	54.64	49.72
4/21/2009	40.94	35.62	34.03	58.47	63.74	62.16	57.42	59.53	62.69	58.55	53.72	48.88
4/22/2009	42.08	36.61	34.97	58.43	63.69	62.11	57.37	59.48	62.64	59.76	54.83	49.89
4/23/2009	40.94	35.62	34.03	58.47	63.74	62.16	57.42	59.53	62.69	58.55	53.72	48.88
4/24/2009	42.43	36.92	35.27	61.52	67.06	65.40	60.41	62.63	65.95	59.69	54.76	49.83
4/27/2009	42.67	37.13	35.46	61.57	67.12	65.45	60.46	62.68	66.01	59.07	54.20	49.32
4/28/2009	41.88	36.44	34.81	60.82	66.30	64.66	59.73	61.92	65.20	58.26	53.45	48.64
4/29/2009	41.88	36.44	34.81	60.68	66.14	64.50	59.58	61.77	65.05	58.60	53.76	48.93
4/30/2009	40.48	35.22	33.65	61.20	66.71	65.06	60.09	62.30	65.61	57.69	52.92	48.16
5/1/2009	41.72	36.30	34.68	61.10	66.60	64.95	60.00	62.20	65.50	59.17	54.28	49.40
5/4/2009	42.89	37.32	35.65	62.03	67.62	65.95	60.92	63.15	66.50	59.75	54.81	49.88
5/5/2009	42.85	37.29	35.62	62.55	68.18	66.49	61.42	63.68	67.06	60.21	55.24	50.27
5/6/2009	44.59	38.80	37.06	63.30	69.00	67.29	62.16	64.44	67.86	61.50	56.42	51.34
5/7/2009	45.92	39.95	38.16	61.67	67.23	65.56	60.56	62.78	66.11	63.67	58.41	53.15
5/8/2009	45.13	39.27	37.51	64.08	69.85	68.12	62.92	65.23	68.70	64.14	58.85	53.55
5/11/2009	46.17	40.17	38.37	64.13	69.91	68.18	62.98	65.29	68.75	63.55	58.31	53.06
5/12/2009	45.57	39.65	37.87	63.30	69.00	67.29	62.16	64.44	67.86	62.22	57.09	51.95
5/13/2009	45.22	39.34	37.58	62.73	68.38	66.69	61.60	63.86	67.25	61.67	56.58	51.49
5/14/2009	45.22	39.34	37.58	62.86	68.53	66.83	61.73	64.00	67.40	61.36	56.29	51.23
5/15/2009	44.58	38.79	37.05	61.93	67.51	65.83	60.81	63.04	66.39	61.11	56.06	51.02
5/18/2009	44.16	38.42	36.70	62.88	68.54	66.85	61.75	64.01	67.41	60.43	55.44	50.45
5/19/2009	44.63	38.83	37.09	62.19	67.79	66.11	61.07	63.31	66.67	60.71	55.70	50.69
5/20/2009	45.49	39.58	37.81	63.03	68.71	67.01	61.90	64.17	67.58	61.21	56.16	51.11
5/21/2009	43.78	38.10	36.39	62.13	67.72	66.04	61.01	63.25	66.60	59.22	54.33	49.44
5/26/2009	44.76	36.86	35.54	62.45	68.08	66.39	61.33	63.58	66.95	57.78	54.09	50.17
5/27/2009	44.19	36.39	35.09	62.54	68.18	66.49	61.42	63.67	67.05	58.37	54.65	50.68
5/28/2009	45.26	37.27	35.94	63.66	69.40	67.68	62.51	64.81	68.25	58.91	55.15	51.15
5/29/2009	46.71	38.47	37.09	64.46	70.26	68.52	63.30	65.62	69.10	59.21	55.43	51.41
6/1/2009	47.81	39.37	37.96	64.99	70.84	69.09	63.82	66.16	69.67	60.57	56.70	52.59

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6/2/2009	46.91	38.63	37.25	64.15	69.92	68.19	62.99	65.30	68.77	60.33	56.48	52.39
6/3/2009	45.83	37.74	36.39	63.95	69.71	67.98	62.80	65.10	68.56	58.54	54.81	50.83
6/4/2009	46.76	38.51	37.13	65.63	71.54	69.77	64.45	66.81	70.36	59.53	55.73	51.69
6/5/2009	47.79	39.36	37.95	66.01	71.96	70.18	64.82	67.20	70.77	60.94	57.05	52.91
6/8/2009	47.94	39.48	38.07	66.11	72.07	70.28	64.92	67.30	70.87	60.58	56.72	52.60
6/9/2009	47.81	39.37	37.96	66.53	72.53	70.73	65.33	67.73	71.33	61.09	57.19	53.04
6/10/2009	47.50	39.12	37.72	66.30	72.27	70.48	65.11	67.49	71.08	60.31	56.46	52.37
6/11/2009	48.76	40.15	38.72	65.97	71.91	70.13	64.78	67.16	70.72	61.21	57.30	53.15
6/12/2009	48.22	39.71	38.29	65.69	71.61	69.83	64.50	66.87	70.42	61.02	57.13	52.98
6/15/2009	49.83	41.04	39.57	66.17	72.13	70.34	64.98	67.36	70.94	62.23	58.26	54.03
6/16/2009	48.94	40.30	38.86	65.46	71.36	69.59	64.28	66.64	70.18	61.68	57.74	53.55
6/17/2009	48.58	40.01	38.58	65.70	71.62	69.84	64.52	66.88	70.43	62.57	58.58	54.33
6/18/2009	47.28	38.93	37.54	64.71	70.54	68.79	63.54	65.87	69.37	60.63	56.76	52.64
6/19/2009	47.60	39.20	37.80	63.36	69.07	67.35	62.22	64.50	67.92	60.12	56.28	52.20
6/22/2009	45.78	37.70	36.35	62.32	67.93	66.25	61.20	63.44	66.81	58.77	55.02	51.03
6/23/2009	45.01	37.06	35.74	61.33	66.86	65.20	60.23	62.44	65.75	57.40	53.73	49.84
6/24/2009	45.18	37.21	35.88	61.71	67.27	65.60	60.60	62.82	66.16	58.29	54.57	50.61
6/25/2009	45.42	37.40	36.07	61.48	67.01	65.35	60.37	62.58	65.91	59.12	55.34	51.33
6/26/2009	46.74	38.49	37.11	61.86	67.44	65.76	60.75	62.98	66.32	60.25	56.40	52.31
6/29/2009	47.43	39.06	37.66	61.21	66.73	65.07	60.11	62.31	65.62	60.76	56.89	52.76
6/30/2009	47.71	39.29	37.88	61.15	66.66	65.01	60.05	62.26	65.56	59.27	55.48	51.46
7/1/2009	48.17	39.67	38.25	61.19	66.70	65.05	60.09	62.29	65.60	60.10	56.26	52.18
7/2/2009	46.85	38.59	37.21	60.81	66.28	64.64	59.71	61.90	65.19	59.21	55.43	51.41
7/6/2009	47.18	38.86	37.47	59.95	65.35	63.73	58.87	61.03	64.27	58.65	54.91	50.93
7/7/2009	47.18	38.86	37.47	59.95	65.35	63.73	58.87	61.03	64.27	58.65	54.91	50.93
7/8/2009	44.81	36.90	35.58	59.88	63.58	61.73	60.04	63.20	66.36	56.70	53.08	49.24
7/9/2009	44.84	36.93	35.61	59.93	63.64	61.78	58.97	62.08	65.18	56.77	53.14	49.29
7/10/2009	44.58	36.71	35.40	58.60	62.22	60.41	59.07	62.18	65.29	56.22	52.63	48.82
7/13/2009	44.36	36.53	35.23	57.89	61.47	59.68	57.82	60.86	63.91	55.41	51.87	48.11
7/14/2009	44.21	36.41	35.11	58.24	61.84	60.04	58.14	61.20	64.26	56.75	53.12	49.27
7/15/2009	44.19	36.40	35.10	58.37	61.99	60.18	57.45	60.47	63.50	55.45	51.91	48.15
7/16/2009	47.11	38.79	37.41	60.50	64.24	62.37	58.44	61.51	64.59	56.24	52.65	48.83
7/17/2009	46.78	38.52	37.15	59.67	63.36	61.51	58.71	61.80	64.89	57.21	53.56	49.67
7/20/2009	47.67	39.26	37.85	60.93	64.70	62.82	59.41	62.53	65.66	57.12	53.48	49.60
7/21/2009	47.41	39.04	37.65	60.05	63.77	61.91	57.48	60.50	63.53	57.34	53.68	49.78
7/22/2009	47.71	39.29	37.88	60.29	64.02	62.16	57.98	61.03	64.08	56.78	53.16	49.31
7/23/2009	47.75	39.32	37.92	60.90	64.66	62.78	58.90	62.00	65.10	56.30	52.70	48.88
7/24/2009	44.00	41.34	39.64	60.61	64.36	62.49	59.37	62.49	65.61	57.62	53.62	48.50
7/27/2009	43.80	41.15	39.46	60.61	64.36	62.49	59.09	62.20	65.31	57.04	53.09	48.02
7/28/2009	43.45	40.83	39.15	60.69	64.45	62.57	58.63	61.71	64.80	56.75	52.82	47.77
7/29/2009	43.64	41.01	39.32	60.27	63.99	62.13	58.20	61.26	64.33	56.69	52.76	47.72
7/30/2009	44.75	42.04	40.32	61.65	65.46	63.55	59.83	62.98	66.13	58.67	54.61	49.39
7/31/2009	43.90	41.24	39.55	61.73	65.55	63.64	59.37	62.49	65.61	57.80	53.80	48.66
8/3/2009	44.43	41.75	40.03	62.32	66.17	64.24	61.84	65.10	68.35	58.43	54.38	49.18
8/4/2009	44.80	42.10	40.37	62.28	66.13	64.20	61.53	64.77	68.01	58.45	54.40	49.20
8/5/2009	45.24	42.51	40.77	62.47	66.33	64.40	60.65	63.84	67.03	58.29	54.25	49.06
8/6/2009	45.05	42.33	40.59	61.92	65.75	63.84	59.29	62.41	65.53	57.91	53.89	48.74
8/7/2009	43.52	40.89	39.21	60.77	64.53	62.65	61.13	64.35	67.56	56.47	52.56	47.54
8/10/2009	43.22	40.61	38.94	61.32	65.11	63.22	60.59	63.78	66.97	56.79	52.85	47.80
8/11/2009	43.29	40.68	39.01	61.28	65.07	63.17	60.55	63.73	66.92	57.06	53.11	48.03
8/12/2009	42.75	40.17	38.52	60.53	64.27	62.40	60.08	63.24	66.41	56.83	52.89	47.84
8/13/2009	42.67	40.09	38.45	60.84	64.61	62.73	60.13	63.29	66.46	56.74	52.81	47.77
8/14/2009	42.75	40.17	38.52	60.53	64.27	62.40	60.62	63.81	67.00	56.70	52.77	47.73
8/17/2009	42.13	39.58	37.96	60.10	63.81	61.95	60.20	63.37	66.54	56.13	52.24	47.25
8/18/2009	42.19	39.65	38.02	60.78	64.54	62.66	59.53	62.66	65.79	56.06	52.17	47.19

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8/19/2009	42.50	39.93	38.29	60.78	64.54	62.66	59.25	62.37	65.49	56.56	52.64	47.61
8/20/2009	42.03	39.49	37.87	59.71	63.40	61.55	59.56	62.70	65.83	55.46	51.62	46.68
8/21/2009	42.35	39.79	38.16	59.86	63.56	61.71	60.79	63.99	67.19	55.71	51.85	46.90
8/24/2009	43.47	40.84	39.17	61.13	64.91	63.02	60.40	63.58	66.76	56.86	52.92	47.86
8/25/2009	43.67	41.03	39.35	61.41	65.20	63.30	60.68	63.88	67.07	57.11	53.15	48.07
8/26/2009												
8/27/2009	42.74	40.16	38.51	60.98	64.75	62.86	59.99	63.15	66.31	56.68	52.75	47.71
8/28/2009	41.94	39.41	37.79	59.86	63.57	61.71	61.07	64.29	67.50	56.18	52.28	47.29
8/31/2009	42.06	39.52	37.89	60.74	64.50	62.62	60.58	63.77	66.96	56.22	52.33	47.33
9/1/2009	41.26	38.77	37.18	59.79	63.49	61.64	59.39	62.51	65.64	55.88	52.01	47.04
9/2/2009	40.68	38.22	36.65	59.28	62.94	61.11	59.43	62.56	65.69	55.94	52.06	47.09
9/3/2009	39.85	37.45	35.91	58.57	62.19	60.38	59.01	62.12	65.23	55.04	51.23	46.33
9/4/2009	39.88	37.47	35.94	58.05	61.64	59.84	58.78	61.88	64.97	54.77	50.97	46.10
9/8/2009	40.68	38.22	36.65	59.28	62.94	61.11	59.70	62.85	65.99	56.12	52.23	47.24
9/9/2009	40.96	38.48	36.90	59.51	63.19	61.35	59.94	63.09	66.24	56.14	52.25	47.26
9/10/2009	41.97	39.43	37.82	60.73	64.49	62.61	58.67	61.76	64.84	57.12	53.16	48.08
9/11/2009	40.98	38.51	36.93	59.62	63.31	61.46	59.74	62.88	66.02	55.97	52.09	47.11
9/14/2009	41.78	39.25	37.64	60.57	64.32	62.44	60.66	63.86	67.05	57.38	53.40	48.30
9/15/2009	41.04	38.56	36.98	59.54	63.23	61.38	59.92	63.07	66.23	56.89	52.95	47.89
9/16/2009	42.81	40.22	38.57	61.13	64.91	63.02	61.72	64.97	68.22	58.83	54.76	49.53
9/17/2009	41.96	39.42	37.81	59.71	63.40	61.55	60.60	63.79	66.98	57.14	53.18	48.10
9/18/2009	42.70	40.12	38.47	60.46	64.20	62.33	60.81	64.02	67.22	58.57	54.51	49.31
9/21/2009	41.92	39.38	37.77	60.38	64.11	62.24	61.03	64.24	67.46	57.02	53.07	48.00
9/22/2009	42.76	40.18	38.53	60.85	64.62	62.73	60.95	64.16	67.37	57.89	53.88	48.73
9/23/2009	43.96	41.30	39.61	61.80	65.62	63.71	60.53	63.71	66.90	59.36	55.25	49.97
9/24/2009	43.20	40.59	38.92	60.86	64.62	62.74	60.65	63.84	67.04	58.89	54.81	49.57
9/25/2009	43.84	41.19	39.50	60.79	64.55	62.67	60.06	63.22	66.38	59.57	55.45	50.15
9/28/2009	43.25	40.64	38.97	60.79	64.55	62.67	61.10	64.32	67.54	58.96	54.88	49.63
9/29/2009	44.02	41.36	39.66	60.64	64.39	62.52	61.70	64.95	68.20	59.06	54.97	49.71
9/30/2009	43.96	41.30	39.61	61.21	65.00	63.11	60.57	63.75	66.94	60.15	55.98	50.63
Average HL	45.01	39.40	37.64	62.90	68.60	67.05	62.36	64.78	68.31	61.81	57.14	51.91
Max HL	56.01	48.95	46.42	76.63	84.79	83.15	75.35	77.71	82.42	75.73	69.80	63.15
Min HL	36.48	31.68	30.24	51.84	57.12	56.16	52.32	54.24	57.12	54.77	50.97	46.10
Spread	19.53	17.27	16.18	24.79	27.67	26.99	23.03	23.47	25.30	20.96	18.82	17.05

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MidC LL	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12
10/1/2008	39.78	31.18	32.25	50.53	61.81	60.20	60.74	63.96	68.80	63.43	58.59	53.75
10/2/2008	39.78	31.18	32.25	50.53	61.81	60.20	60.74	63.96	68.80	63.72	58.86	54.00
10/3/2008	39.78	31.18	32.25	50.53	61.81	60.20	60.74	63.96	68.80	63.72	58.86	54.00
10/6/2008	38.03	29.81	30.83	48.31	59.10	57.56	58.07	61.15	65.78	61.36	56.68	52.00
10/7/2008	37.65	29.51	30.53	47.83	58.51	56.99	57.49	60.55	65.13	60.77	56.14	51.50
10/8/2008	38.49	30.17	31.21	48.89	59.81	58.25	58.77	61.89	66.57	61.36	56.68	52.00
10/9/2008	38.01	29.79	30.82	48.28	59.06	57.52	58.04	61.12	65.74	61.07	56.41	51.75
10/10/2008	36.76	28.81	29.81	46.70	57.13	55.64	56.14	59.12	63.59	59.30	54.77	50.25
10/13/2008	36.26	28.42	29.40	46.06	56.35	54.88	55.37	58.31	62.72	57.82	53.41	49.00
10/14/2008	35.89	28.13	29.10	45.59	55.78	54.32	54.81	57.72	62.08	57.23	52.87	48.50
10/15/2008	34.35	26.92	27.85	43.63	53.38	51.99	52.45	55.24	59.42	54.81	50.63	46.45
10/16/2008	33.74	26.44	27.35	42.85	52.43	51.06	51.52	54.25	58.36	53.10	49.05	45.00
10/17/2008	34.04	26.68	27.60	43.24	52.90	51.52	51.98	54.74	58.88	53.99	49.87	45.75
10/20/2008	33.60	26.33	27.24	42.68	52.21	50.85	51.30	54.03	58.11	53.28	49.21	45.15
10/21/2008	33.67	26.39	27.30	42.77	52.33	50.96	51.42	54.15	58.24	53.40	49.32	45.25
10/22/2008	33.67	26.39	27.30	42.77	52.33	50.96	51.42	54.15	58.24	53.69	49.60	45.50
10/23/2008	33.30	26.10	27.00	42.30	51.75	50.40	50.85	53.55	57.60	53.10	49.05	45.00
10/24/2008	32.75	25.67	26.55	41.60	50.89	49.56	50.00	52.66	56.64	52.51	48.51	44.50
10/27/2008	33.67	26.39	27.30	42.77	52.33	50.96	51.42	54.15	58.24	53.40	49.32	45.25
10/28/2008	34.23	26.83	27.75	43.48	53.19	51.80	52.26	55.04	59.20	54.28	50.14	46.00
10/29/2008	35.41	27.75	28.71	44.98	55.03	53.59	54.07	56.94	61.25	56.46	52.16	47.85
10/30/2008	34.38	26.74	27.70	44.89	54.91	53.48	54.91	57.78	62.08	56.64	52.32	48.00
10/31/2008	35.28	27.44	28.42	46.06	56.35	54.88	56.35	59.29	63.70	58.41	53.96	49.50
11/3/2008	35.82	27.86	28.86	46.77	57.21	55.72	57.21	60.20	64.68	59.00	54.50	50.00
11/4/2008	36.55	28.43	29.45	47.72	58.39	56.86	58.39	61.43	66.00	60.77	56.14	51.50
11/5/2008	37.26	28.98	30.02	48.65	59.51	57.96	59.51	62.62	67.28	61.36	56.68	52.00
11/6/2008	36.72	28.56	29.58	47.94	58.65	57.12	58.65	61.71	66.30	59.89	55.32	50.75
11/7/2008	36.72	28.56	29.58	47.94	58.65	57.12	58.65	61.71	66.30	60.18	55.59	51.00
11/10/2008	37.08	28.84	29.87	48.41	59.23	57.68	59.23	62.32	66.95	61.36	56.68	52.00
11/12/2008	34.92	27.16	28.13	45.59	55.78	54.32	55.78	58.69	63.05	57.82	53.41	49.00
11/13/2008	35.28	27.44	28.42	46.06	56.35	54.88	56.35	59.29	63.70	58.31	52.43	49.49
11/14/2008	35.64	27.72	28.71	46.53	56.93	55.44	56.93	59.90	64.35	58.61	52.70	49.74
11/17/2008	36.54	28.42	29.44	47.71	58.36	56.84	58.36	61.41	65.98	60.39	54.30	51.26
11/18/2008	36.72	28.56	29.58	47.94	58.65	57.12	58.65	61.71	66.30	60.69	54.57	51.51
11/19/2008	36.36	28.28	29.29	47.47	58.08	56.56	58.08	61.11	65.65	60.10	54.04	51.01
11/20/2008	35.10	27.30	28.28	45.83	56.06	54.60	56.06	58.99	63.38	57.72	51.90	48.99
11/21/2008	35.82	27.86	28.86	46.77	57.21	55.72	57.21	60.20	64.68	58.91	52.97	50.00
11/24/2008	36.72	28.56	29.58	47.94	58.65	57.12	58.65	61.71	66.30	60.10	54.04	51.01
11/25/2008	35.64	27.72	28.71	46.53	56.93	55.44	56.93	59.90	64.35	58.61	52.70	49.74
11/26/2008	37.41	29.10	30.14	46.73	57.17	55.68	59.80	62.92	67.60	57.32	56.09	49.22
12/1/2008	36.01	28.00	29.00	45.92	56.18	54.71	58.68	61.74	66.33	55.87	54.46	48.49
12/2/2008	35.58	27.68	28.66	46.54	56.94	55.45	58.90	61.97	66.58	55.12	52.69	47.88
12/3/2008	35.62	27.70	28.69	46.52	56.91	55.42	58.29	61.33	65.90	53.40	51.25	46.95
12/4/2008	36.38	28.30	29.31	46.27	56.60	55.13	57.53	60.53	65.03	53.64	50.61	45.67
12/5/2008	35.68	27.75	28.74	45.44	55.59	54.14	56.84	59.81	64.25	53.75	48.65	45.35
12/8/2008	35.62	27.70	28.69	45.50	55.66	54.21	56.22	59.16	63.56	54.00	49.00	45.12
12/9/2008	38.67	28.79	25.46	45.10	55.18	53.74	56.31	59.25	63.66	55.92	49.85	47.06
12/10/2008	39.81	30.04	25.75	45.65	55.85	54.39	57.50	60.50	65.00	56.04	50.94	46.96
12/11/2008	39.10	28.45	25.18	45.75	55.97	54.51	57.48	60.48	64.98	56.79	51.55	46.97
12/12/2008	38.56	28.52	22.69	45.29	55.41	53.96	57.06	60.03	64.50	57.36	51.00	46.81
12/15/2008	39.12	28.83	24.50	44.69	54.67	53.24	55.59	58.49	62.84	57.99	50.70	46.71
12/16/2008	39.15	28.69	25.14	45.48	55.64	54.19	57.05	60.03	64.50	59.84	52.24	48.23
12/17/2008	38.99	28.39	24.80	44.47	54.40	52.98	56.82	59.79	64.23	58.98	52.37	47.95
12/18/2008	37.37	27.89	25.48	45.08	55.16	53.72	55.57	58.47	62.82	57.36	50.53	46.55

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12/19/2008	36.81	28.05	25.22	44.47	54.40	52.98	54.42	57.26	61.52	57.58	50.56	46.73
12/22/2008	34.97	25.98	23.35	45.42	50.80	50.38	53.79	56.60	60.81	54.79	48.92	44.57
12/23/2008	35.58	26.56	23.70	45.19	50.44	50.02	55.92	58.84	63.21	57.91	52.45	48.01
12/24/2008	36.59	26.80	23.97	44.03	51.34	51.98	54.69	57.54	61.82	55.62	50.98	46.46
12/26/2008	37.05	27.13	24.27	44.58	51.99	52.63	55.38	58.27	62.60	53.42	50.34	45.91
12/29/2008	37.43	27.85	21.53	45.79	52.00	54.43	56.33	59.27	63.68	54.25	51.57	46.67
12/30/2008	37.04	27.56	21.30	45.30	51.45	53.86	55.74	58.65	63.01	53.68	51.03	46.18
12/31/2008	35.85	26.68	20.62	43.86	49.81	52.14	53.96	56.77	61.00	51.70	49.14	44.47
1/2/2009	36.84	27.41	21.19	45.06	51.17	53.57	55.44	58.33	62.67	53.12	50.49	45.69
1/5/2009	38.15	28.39	21.95	46.67	53.00	55.49	57.42	60.42	64.91	54.54	51.84	46.91
1/6/2009	37.43	27.85	21.53	45.79	52.00	54.43	56.33	59.27	63.68	53.68	51.03	46.18
1/7/2009	37.43	27.85	21.53	45.79	52.00	54.43	56.33	59.27	63.68	53.68	51.03	46.18
1/8/2009	36.76	27.36	21.14	44.97	51.06	53.46	55.32	58.21	62.54	52.72	50.11	45.35
1/9/2009	36.84	27.41	21.19	45.06	51.17	53.57	55.44	58.33	62.67	52.83	50.22	45.45
1/12/2009	37.04	27.56	21.30	45.30	51.45	53.86	55.74	58.65	63.01	53.40	50.76	45.94
1/13/2009	37.04	27.56	21.30	45.30	51.45	53.86	55.74	58.65	63.01	53.40	50.76	45.94
1/14/2009	36.44	27.12	20.96	44.58	50.63	53.00	54.85	57.71	62.00	52.55	49.95	45.20
1/15/2009	35.54	26.45	20.44	43.47	49.37	51.68	53.48	56.28	60.46	51.53	48.98	44.32
1/16/2009	35.34	26.30	20.33	43.23	49.09	51.40	53.19	55.96	60.13	51.41	48.87	44.23
1/20/2009	35.26	26.24	20.28	43.14	48.99	51.28	53.07	55.84	59.99	51.13	48.60	43.98
1/21/2009	35.07	26.10	20.17	42.89	48.71	50.99	52.77	55.53	59.66	50.84	48.33	43.74
1/22/2009	35.07	26.10	20.17	42.89	48.71	50.99	52.77	55.53	59.66	50.84	48.33	43.74
1/23/2009	35.07	26.10	20.17	42.89	48.71	50.99	52.77	55.53	59.66	51.41	48.87	44.23
1/26/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	52.26	49.68	44.96
1/27/2009	35.85	26.68	20.62	43.86	49.81	52.14	53.96	56.77	61.00	52.55	49.95	45.20
1/28/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	52.55	49.95	45.20
1/29/2009	36.25	26.98	20.85	44.34	50.35	52.71	54.55	57.40	61.67	53.40	50.76	45.94
1/30/2009	36.25	26.98	20.85	44.34	50.35	52.71	54.55	57.40	61.67	52.83	50.22	45.45
2/2/2009	36.25	26.98	20.85	44.34	50.35	52.71	54.55	57.40	61.67	53.12	50.49	45.69
2/3/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	52.55	49.95	45.20
2/4/2009	35.85	26.68	20.62	43.86	49.81	52.14	53.96	56.77	61.00	52.83	50.22	45.45
2/5/2009	35.85	26.68	20.62	43.86	49.81	52.14	53.96	56.77	61.00	52.83	50.22	45.45
2/6/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	52.26	49.68	44.96
2/9/2009	35.46	26.39	20.40	43.38	49.26	51.57	53.37	56.15	60.33	51.98	49.41	44.71
2/10/2009	34.67	25.80	19.94	42.41	48.16	50.42	52.18	54.90	58.99	51.41	48.87	44.23
2/11/2009	34.67	25.80	19.94	42.41	48.16	50.42	52.18	54.90	58.99	51.41	48.87	44.23
2/12/2009	34.67	25.80	19.94	42.41	48.16	50.42	52.18	54.90	58.99	51.41	48.87	44.23
2/13/2009	34.47	25.66	19.83	42.17	47.89	50.14	51.88	54.59	58.65	50.84	48.33	43.74
2/17/2009	34.08	25.36	19.60	41.69	47.34	49.56	51.29	53.97	57.98	49.99	47.52	43.00
2/18/2009	33.29	24.78	19.15	40.73	46.25	48.42	50.11	52.72	56.64	48.86	46.44	42.03
2/19/2009	32.70	24.34	18.81	40.00	45.43	47.56	49.22	51.78	55.64	48.00	45.63	41.29
2/20/2009	32.50	24.19	18.70	39.76	45.15	47.27	48.92	51.47	55.30	48.00	45.63	41.29
2/23/2009	32.50	24.19	18.70	39.76	45.15	47.27	48.92	51.47	55.30	48.29	45.90	41.54
2/24/2009	32.50	24.19	18.70	39.76	45.15	47.27	48.92	51.47	55.30	48.29	45.90	41.54
2/25/2009	31.72	23.60	18.24	38.80	44.06	46.12	47.73	50.22	53.96	47.44	45.09	40.80
2/26/2009	32.11	23.90	18.47	39.28	44.61	46.70	48.33	50.85	54.63	47.72	45.36	41.05
2/27/2009	32.11	23.90	18.47	39.28	44.61	46.70	48.33	50.85	54.63	48.00	45.63	41.29
3/2/2009	31.72	23.60	18.24	38.80	44.06	46.12	47.73	50.22	53.96	46.87	44.55	40.32
3/3/2009	31.72	23.60	18.24	38.80	44.06	46.12	47.73	50.22	53.96	46.87	44.55	40.32
3/4/2009	31.72	23.60	18.24	38.80	44.06	46.12	47.73	50.22	53.96	46.58	44.28	40.07
3/5/2009	31.32	23.31	18.02	38.32	43.51	45.55	47.14	49.60	53.29	46.02	43.74	39.58
3/6/2009	30.53	22.72	17.56	37.35	42.42	44.41	45.95	48.35	51.95	44.88	42.66	38.61
3/9/2009	30.14	22.43	17.34	36.87	41.87	43.83	45.36	47.73	51.28	44.31	42.12	38.12
3/10/2009	29.55	21.99	17.00	36.15	41.05	42.97	44.47	46.79	50.27	44.03	41.85	37.87
3/11/2009	29.55	21.99	17.00	36.15	41.05	42.97	44.47	46.79	50.27	44.31	42.12	38.12

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3/12/2009	30.14	22.43	17.34	36.87	41.87	43.83	45.36	47.73	51.28	45.16	42.93	38.85
3/13/2009	30.14	22.43	17.34	36.87	41.87	43.83	45.36	47.73	51.28	45.16	42.93	38.85
3/16/2009	29.75	22.14	17.11	36.39	41.32	43.26	44.77	47.10	50.61	44.31	42.12	38.12
3/17/2009	29.75	22.14	17.11	36.39	41.32	43.26	44.77	47.10	50.61	44.88	42.66	38.61
3/18/2009	29.55	21.99	17.00	36.15	41.05	42.97	44.47	46.79	50.27	45.16	42.93	38.85
3/19/2009	30.53	22.72	17.56	37.35	42.42	44.41	45.95	48.35	51.95	46.30	44.01	39.83
3/20/2009	31.52	23.46	18.13	38.56	43.79	45.84	47.44	49.91	53.62	47.72	45.36	41.05
3/23/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	48.86	46.44	42.03
3/24/2009	32.90	24.48	18.92	40.24	45.70	47.84	49.51	52.10	55.97	49.71	47.25	42.76
3/25/2009	33.10	24.63	19.04	40.48	45.97	48.13	49.81	52.41	56.31	50.56	48.06	43.49
3/26/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.14	46.71	42.27
3/27/2009	31.91	23.75	18.36	39.04	44.33	46.41	48.03	50.54	54.29	48.86	46.44	42.03
3/30/2009	31.91	23.75	18.36	39.04	44.33	46.41	48.03	50.54	54.29	48.29	45.90	41.54
3/31/2009	32.70	24.34	18.81	40.00	45.43	47.56	49.22	51.78	55.64	50.39	47.90	43.35
4/1/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.71	47.25	42.76
4/2/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.42	46.98	42.52
4/3/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.42	46.98	42.52
4/6/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.42	46.98	42.52
4/7/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.42	46.98	42.52
4/8/2009	32.31	24.04	18.58	39.52	44.88	46.98	48.62	51.16	54.96	49.42	46.98	42.52
4/9/2009	32.50	24.19	18.70	39.76	45.15	47.27	48.92	51.47	55.30	49.71	47.25	42.76
4/13/2009	32.50	24.19	18.70	39.76	45.15	47.27	48.92	51.47	55.30	49.71	47.25	42.76
4/14/2009	33.29	24.78	19.15	40.73	46.25	48.42	50.11	52.72	56.64	50.56	48.06	43.49
4/15/2009	33.29	24.78	19.15	40.73	46.25	48.42	50.11	52.72	56.64	50.56	48.06	43.49
4/16/2009	33.49	24.92	19.26	40.97	46.52	48.70	50.40	53.03	56.98	51.13	48.60	43.98
4/17/2009	33.49	24.92	19.26	40.97	46.52	48.70	50.40	53.03	56.98	51.13	48.60	43.98
4/20/2009	33.10	24.63	19.04	40.48	45.97	48.13	49.81	52.41	56.31	50.84	48.33	43.74
4/21/2009	32.70	24.34	18.81	40.00	45.43	47.56	49.22	51.78	55.64	50.28	47.79	43.25
4/22/2009	32.90	24.48	18.92	40.24	45.70	47.84	49.51	52.10	55.97	50.28	47.79	43.25
4/23/2009	33.29	24.78	19.15	40.73	46.25	48.42	50.11	52.72	56.64	50.84	48.33	43.74
4/24/2009	33.77	25.13	19.42	41.30	46.91	49.10	50.82	53.47	57.44	51.24	48.71	44.08
4/27/2009	33.10	24.63	19.04	40.48	45.97	48.13	49.81	52.41	56.31	50.84	48.33	43.74
4/28/2009	33.10	24.63	19.04	40.48	45.97	48.13	49.81	52.41	56.31	50.84	48.33	43.74
4/29/2009	32.90	24.48	18.92	40.24	45.70	47.84	49.51	52.10	55.97	50.28	47.79	43.25
4/30/2009	32.90	24.48	18.92	40.24	45.70	47.84	49.51	52.10	55.97	50.84	48.33	43.74
5/1/2009	33.10	24.63	19.04	40.48	45.97	48.13	49.81	52.41	56.31	51.13	48.60	43.98
5/4/2009	33.69	25.07	19.38	41.21	46.80	48.99	50.70	53.34	57.31	51.70	49.14	44.47
5/5/2009	33.88	25.22	19.49	41.45	47.07	49.28	50.99	53.66	57.65	51.98	49.41	44.71
5/6/2009	34.47	25.66	19.83	42.17	47.89	50.14	51.88	54.59	58.65	52.83	50.22	45.45
5/7/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	53.97	51.30	46.42
5/8/2009	36.25	26.98	20.85	44.34	50.35	52.71	54.55	57.40	61.67	55.39	52.65	47.65
5/11/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	52.55	49.95	45.20
5/12/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	52.26	49.68	44.96
5/13/2009	35.46	26.39	20.40	43.38	49.26	51.57	53.37	56.15	60.33	51.41	48.87	44.23
5/14/2009	35.26	26.24	20.28	43.14	48.99	51.28	53.07	55.84	59.99	53.12	50.49	45.69
5/15/2009	35.26	26.24	20.28	43.14	48.99	51.28	53.07	55.84	59.99	51.70	49.14	44.47
5/18/2009	35.46	26.39	20.40	43.38	49.26	51.57	53.37	56.15	60.33	52.26	49.68	44.96
5/19/2009	35.07	26.10	20.17	42.89	48.71	50.99	52.77	55.53	59.66	52.26	49.68	44.96
5/20/2009	35.46	26.39	20.40	43.38	49.26	51.57	53.37	56.15	60.33	52.83	50.22	45.45
5/21/2009	35.26	26.24	20.28	43.14	48.99	51.28	53.07	55.84	59.99	52.55	49.95	45.20
5/26/2009	34.87	25.95	20.06	42.65	48.44	50.71	52.48	55.21	59.32	52.26	49.68	44.96
5/27/2009	34.83	25.92	20.03	42.61	48.38	50.65	52.42	55.15	59.25	51.57	49.02	44.36
5/28/2009	35.46	26.39	20.40	43.38	49.26	51.57	53.37	56.15	60.33	52.55	49.95	45.20
5/29/2009	35.74	26.60	20.56	43.72	49.65	51.98	53.79	56.60	60.81	52.89	50.27	45.50
6/1/2009	35.66	26.54	20.51	43.62	49.53	51.85	53.66	56.46	60.66	53.12	50.49	45.69

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6/2/2009	35.26	26.24	20.28	43.14	48.99	51.28	53.07	55.84	59.99	52.55	49.95	45.20
6/3/2009	34.87	25.95	20.06	42.65	48.44	50.71	52.48	55.21	59.32	51.70	49.14	44.47
6/4/2009	35.85	26.68	20.62	43.86	49.81	52.14	53.96	56.77	61.00	53.40	50.76	45.94
6/5/2009	36.08	26.85	20.75	44.14	50.12	52.47	54.30	57.14	61.39	53.81	51.15	46.29
6/8/2009	35.85	26.68	20.62	43.86	49.81	52.14	53.96	56.77	61.00	52.83	50.22	45.45
6/9/2009	36.25	26.98	20.85	44.34	50.35	52.71	54.55	57.40	61.67	53.12	50.49	45.69
6/10/2009	36.05	26.83	20.74	44.10	50.08	52.43	54.26	57.09	61.33	53.97	51.30	46.42
6/11/2009	36.84	27.41	21.19	45.06	51.17	53.57	55.44	58.33	62.67	53.97	51.30	46.42
6/12/2009	36.64	27.27	21.08	44.82	50.90	53.29	55.15	58.02	62.34	53.68	51.03	46.18
6/15/2009	37.21	27.69	21.40	45.52	51.69	54.11	56.00	58.92	63.30	55.45	52.70	47.70
6/16/2009	36.55	27.20	21.02	44.71	50.77	53.15	55.00	57.87	62.18	54.83	52.12	47.17
6/17/2009	36.64	27.27	21.08	44.82	50.90	53.29	55.15	58.02	62.34	53.97	51.30	46.42
6/18/2009	36.37	27.06	20.92	44.48	50.52	52.89	54.73	57.59	61.87	53.57	50.92	46.08
6/19/2009	36.05	26.83	20.74	44.10	50.08	52.43	54.26	57.09	61.33	53.12	50.49	45.69
6/22/2009	34.33	25.54	19.74	41.99	47.68	49.92	51.66	54.35	58.40	49.88	47.41	42.91
6/23/2009	33.88	25.22	19.49	41.45	47.07	49.28	50.99	53.66	57.65	49.71	47.25	42.76
6/24/2009	33.69	25.07	19.38	41.21	46.80	48.99	50.70	53.34	57.31	50.56	48.06	43.49
6/25/2009	34.47	25.66	19.83	42.17	47.89	50.14	51.88	54.59	58.65	51.41	48.87	44.23
6/26/2009	34.67	25.80	19.94	42.41	48.16	50.42	52.18	54.90	58.99	51.41	48.87	44.23
6/29/2009	35.26	26.24	20.28	43.14	48.99	51.28	53.07	55.84	59.99	52.26	49.68	44.96
6/30/2009	38.49	29.54	23.27	40.72	46.54	49.67	52.81	54.60	59.52	51.80	50.41	44.40
7/1/2009	38.70	29.70	23.40	40.95	46.80	49.95	53.10	54.90	59.85	51.80	50.41	44.40
7/2/2009	38.06	29.21	23.01	40.27	46.02	49.12	52.22	53.99	58.85	51.52	50.14	44.16
7/6/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.96	49.60	43.68
7/7/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.96	49.60	43.68
7/8/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	50.40	49.05	43.20
7/9/2009	36.55	28.05	22.10	38.68	44.20	47.18	50.15	51.85	56.53	49.95	48.61	42.82
7/10/2009	36.34	27.89	21.97	38.45	43.94	46.90	49.86	51.55	56.19	49.84	48.51	42.72
7/13/2009	35.82	27.49	21.66	37.90	43.32	46.23	49.15	50.81	55.39	49.28	47.96	42.24
7/14/2009	36.03	27.65	21.79	38.13	43.58	46.51	49.44	51.12	55.73	49.56	48.23	42.48
7/15/2009	35.82	27.49	21.66	37.90	43.32	46.23	49.15	50.81	55.39	49.28	47.96	42.24
7/16/2009	37.20	28.55	22.49	39.36	44.98	48.01	51.04	52.77	57.52	51.24	49.87	43.92
7/17/2009	37.81	29.01	22.86	40.00	45.72	48.80	51.87	53.63	58.47	51.24	49.87	43.92
7/20/2009	38.73	29.73	23.42	40.99	46.84	49.99	53.15	54.95	59.90	52.08	50.69	44.64
7/21/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.96	49.60	43.68
7/22/2009	38.38	29.46	23.21	40.61	46.42	49.54	52.66	54.45	59.36	52.28	50.88	44.81
7/23/2009	37.88	29.07	22.91	40.09	45.81	48.90	51.98	53.74	58.59	51.56	50.18	44.20
7/24/2009	37.84	29.04	22.88	40.04	45.76	48.84	51.92	53.68	58.52	51.24	49.87	43.92
7/27/2009	37.95	29.13	22.95	40.16	45.90	48.98	52.07	53.84	58.69	51.78	50.39	44.38
7/28/2009	37.84	29.04	22.88	40.04	45.76	48.84	51.92	53.68	58.52	50.68	49.32	43.44
7/29/2009	37.32	28.64	22.57	39.49	45.14	48.17	51.21	52.95	57.72	50.68	49.32	43.44
7/30/2009	38.06	29.21	23.01	40.27	46.02	49.12	52.22	53.99	58.85	51.52	50.14	44.16
7/31/2009	38.27	29.37	23.14	40.50	46.28	49.40	52.51	54.29	59.19	51.52	50.14	44.16
8/3/2009	39.13	30.03	23.66	41.41	47.32	50.51	53.69	55.51	60.52	52.92	51.50	45.36
8/4/2009	38.49	29.54	23.27	40.72	46.54	49.67	52.81	54.60	59.52	51.52	50.14	44.16
8/5/2009	38.27	29.37	23.14	40.50	46.28	49.40	52.51	54.29	59.19	50.96	49.60	43.68
8/6/2009	38.06	29.21	23.01	40.27	46.02	49.12	52.22	53.99	58.85	51.24	49.87	43.92
8/7/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.40	49.05	43.20
8/10/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.40	49.05	43.20
8/11/2009	37.84	29.04	22.88	40.04	45.76	48.84	51.92	53.68	58.52	51.24	49.87	43.92
8/12/2009	37.63	28.88	22.75	39.81	45.50	48.56	51.63	53.38	58.19	50.96	49.60	43.68
8/13/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.68	49.32	43.44
8/14/2009	37.63	28.88	22.75	39.81	45.50	48.56	51.63	53.38	58.19	50.96	49.60	43.68
8/17/2009	36.98	28.38	22.36	39.13	44.72	47.73	50.74	52.46	57.19	50.12	48.78	42.96
8/18/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	49.84	48.51	42.72

Mid-Columbia Heavy Load and Light Load Daily Forward Curves
April 2011 - March 2012

8/19/2009	37.20	28.55	22.49	39.36	44.98	48.01	51.04	52.77	57.52	50.12	48.78	42.96
8/20/2009	37.54	28.81	22.70	39.72	45.40	48.45	51.51	53.25	58.05	50.57	49.21	43.34
8/21/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	50.40	49.05	43.20
8/24/2009	37.84	29.04	22.88	40.04	45.76	48.84	51.92	53.68	58.52	51.24	49.87	43.92
8/25/2009	37.84	29.04	22.88	40.04	45.76	48.84	51.92	53.68	58.52	51.24	49.87	43.92
8/26/2009												
8/27/2009	37.20	28.55	22.49	39.36	44.98	48.01	51.04	52.77	57.52	50.40	49.05	43.20
8/28/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	49.28	47.96	42.24
8/31/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	49.28	47.96	42.24
9/1/2009	36.34	27.89	21.97	38.45	43.94	46.90	49.86	51.55	56.19	48.72	47.42	41.76
9/2/2009	36.34	27.89	21.97	38.45	43.94	46.90	49.86	51.55	56.19	49.00	47.69	42.00
9/3/2009	35.48	27.23	21.45	37.54	42.90	45.79	48.68	50.33	54.86	47.60	46.33	40.80
9/4/2009	35.26	27.06	21.32	37.31	42.64	45.51	48.38	50.02	54.53	47.60	46.33	40.80
9/8/2009	36.25	27.82	21.92	38.36	43.84	46.79	49.74	51.42	56.06	48.16	46.87	41.28
9/9/2009	36.34	27.89	21.97	38.45	43.94	46.90	49.86	51.55	56.19	48.44	47.14	41.52
9/10/2009	37.56	28.82	22.71	39.74	45.42	48.47	51.53	53.28	58.08	50.33	48.98	43.14
9/11/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	49.00	47.69	42.00
9/14/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	49.28	47.96	42.24
9/15/2009	37.63	28.88	22.75	39.81	45.50	48.56	51.63	53.38	58.19	50.40	49.05	43.20
9/16/2009	36.98	28.38	22.36	39.13	44.72	47.73	50.74	52.46	57.19	49.28	47.96	42.24
9/17/2009	36.55	28.05	22.10	38.68	44.20	47.18	50.15	51.85	56.53	48.72	47.42	41.76
9/18/2009	36.98	28.38	22.36	39.13	44.72	47.73	50.74	52.46	57.19	49.28	47.96	42.24
9/21/2009	36.77	28.22	22.23	38.90	44.46	47.45	50.45	52.16	56.86	49.28	47.96	42.24
9/22/2009	36.98	28.38	22.36	39.13	44.72	47.73	50.74	52.46	57.19	49.56	48.23	42.48
9/23/2009	37.20	28.55	22.49	39.36	44.98	48.01	51.04	52.77	57.52	49.84	48.51	42.72
9/24/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	49.84	48.51	42.72
9/25/2009	37.63	28.88	22.75	39.81	45.50	48.56	51.63	53.38	58.19	49.84	48.51	42.72
9/28/2009	37.41	28.71	22.62	39.59	45.24	48.29	51.33	53.07	57.86	49.84	48.51	42.72
9/29/2009	37.63	28.88	22.75	39.81	45.50	48.56	51.63	53.38	58.19	50.12	48.78	42.96
9/30/2009	37.84	29.04	22.88	40.04	45.76	48.84	51.92	53.68	58.52	49.84	48.51	42.72

Average LL	35.50	26.88	22.41	42.19	48.89	50.47	52.52	55.02	59.34	52.29	49.53	44.72
Max LL	39.81	31.18	32.25	50.53	61.81	60.20	60.74	63.96	68.80	63.72	58.86	54.00
Min LL	29.55	21.99	17.00	36.15	41.05	42.97	44.47	46.79	50.27	44.03	41.85	37.87
Spread	10.26	9.18	15.25	14.38	20.76	17.23	16.27	17.17	18.53	19.69	17.01	16.13

Idaho Power/103
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright

Quarterly Inflation Indices

October 19, 2009

CONCEPT	Producer Price Index--Electric Power	
SERIESTYPE	United States	
UNIT	(1982=1.0)	
FREQUENCY	QUARTERLY	
START DATE	U.S. Macro - 30 Year Baseline	
END DATE		1959 Q1
LAST UPDATE		2039 Q4
WEFA SERIES NAME		6/1/2009
DRI SERIES NAME	USMACRO/MODTREND25YEAR:WPI054.Q	
SHORT LABEL	Producer price index--electric power, Source: BLS	
2002 Q3		1.3677773
2002 Q4		1.3737118
2003 Q1		1.3876302
2003 Q2		1.4046552
2003 Q3		1.4248718
2003 Q4		1.4266319
2004 Q1		1.4242115
2004 Q2		1.4250837
2004 Q3		1.4298649
2004 Q4		1.4521382
2005 Q1		1.4666196
2005 Q2		1.4770852
2005 Q3		1.5013823
2005 Q4		1.5596808
2006 Q1		1.6134690
2006 Q2		1.6197323
2006 Q3		1.6242543
2006 Q4		1.6219353
2007 Q1		1.6448536
2007 Q2		1.6657653
2007 Q3		1.6819085
2007 Q4		1.6988907
2008 Q1		1.7091976
2008 Q2		1.7412047
2008 Q3		1.7724865
2008 Q4		1.8067085
2009 Q1		1.8085456
2009 Q2		1.7834920
2009 Q3		1.7386730
2009 Q4		1.6981560
2010 Q1		1.6985770
2010 Q2		1.7132570
2010 Q3		1.7311770
2010 Q4		1.7376100
2011 Q1		1.7461270
2011 Q2		1.7563150
2011 Q3		1.7659360
2011 Q4		1.7799040
2012 Q1		1.7982690
2012 Q2		1.8162030
2012 Q3		1.8339400

Idaho Power/104
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright

Forward Price Curves Discounted for Inflation

October 19, 2009

IDAHO POWER COMPANY
Forward Price Curves Discounted for Inflation
Used to Re-Price Purchased Power and Surplus Sales for the October Update

<u>Line</u>		Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12
1	Forward Curve Prices												
2	Relevant Quarter	2011 Q2	2011 Q2	2011 Q2	2011 Q3	2011 Q3	2011 Q3	2011 Q4	2011 Q4	2011 Q4	2012 Q1	2012 Q1	2012 Q1
3	Deflator	1.756315	1.756315	1.756315	1.765936	1.765936	1.765936	1.779904	1.779904	1.779904	1.798269	1.798269	1.798269
4	Water Year	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11
5	Relevant Quarter	2010 Q2	2010 Q2	2010 Q2	2010 Q3	2010 Q3	2010 Q3	2010 Q4	2010 Q4	2010 Q4	2011 Q1	2011 Q1	2011 Q1
6	Inflator	1.713257	1.713257	1.713257	1.731177	1.731177	1.731177	1.73761	1.73761	1.73761	1.746127	1.746127	1.746127
7	Average Prices	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12
8	mcHL	45.01	39.40	37.64	62.90	68.60	67.05	62.36	64.78	68.31	61.81	57.14	51.91
9	mc LL	35.50	26.88	22.41	42.19	48.89	50.47	52.52	55.02	59.34	52.29	49.53	44.72
10	Inflation Adjusted	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11
11	mcHL	43.91	38.43	36.72	61.66	67.25	65.73	60.88	63.24	66.69	60.02	55.49	50.41
12	mc LL	34.63	26.22	21.86	41.36	47.92	49.47	51.27	53.71	57.93	50.78	48.10	43.42
13	Difference	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12
14	mcHL	1.10	0.97	0.92	1.24	1.35	1.32	1.48	1.54	1.62	1.79	1.66	1.51
15	mc LL	0.87	0.66	0.55	0.83	0.96	0.99	1.25	1.31	1.41	1.52	1.44	1.30
16	Reallocated Prices	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11
17	HL PP												
18	103.9%	45.62	39.93	38.15	64.07	69.87	68.29	63.25	65.71	69.29	62.36	57.65	52.38
19	LL PP												
20	107.1%	37.09	28.08	23.41	44.30	51.33	52.99	54.91	57.53	62.04	54.38	51.51	46.50
21	HL SS												
22	96.4%	42.33	37.05	35.39	59.44	64.83	63.36	58.69	60.96	64.29	57.86	53.49	48.59
23	LL SS												
24	93.4%	32.35	24.49	20.41	38.63	44.76	46.21	47.89	50.17	54.10	47.42	44.92	40.55

Idaho Power/105
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright

Power Supply Costs for April 2010 - March 2011
Normalized Loads Over 81 Water Year Conditions
With Purchased Power and Surplus Sales Re-Priced
Using Normalized Forward Price Curve

October 19, 2009

IPCO POWER SUPPLY COSTS FOR APRIL 1, 2010 – MARCH 31, 2011 (Multiple Gas Prices/81 Years of Hydro)
Repriced Using UE195 Settlement Methodology - October Update
AVERAGE

Idaho Power/105
Wright/1

	April	May	June	July	August	September	October	November	December	January	February	March	Annual
Hydroelectric Generation (MWh)	876,347.8	998,326.7	900,259.4	638,249.5	533,408.2	543,119.3	538,671.0	466,902.2	674,518.4	779,739.1	849,131.2	863,751.2	8,662,423.8
Bridger													
Energy (MWh)	304,812.6	308,579.4	348,867.1	455,385.3	457,846.7	433,455.5	458,925.7	457,089.3	472,452.6	439,018.9	393,145.9	407,326.1	4,936,905.2
Cost (\$ x 1000)	\$ 6,515.2	\$ 6,602.8	\$ 7,492.4	\$ 9,687.0	\$ 9,734.6	\$ 9,230.3	\$ 9,758.1	\$ 9,698.7	\$ 10,024.5	\$ 9,381.7	\$ 8,406.9	\$ 8,716.7	105,249.1
Boardman													
Energy (MWh)	30,447.4	855.1	24,548.6	36,820.7	37,321.9	36,011.9	37,816.4	36,673.0	37,453.8	30,360.4	28,684.5	34,132.9	371,126.6
Cost (\$ x 1000)	\$ 557.3	\$ 15.8	\$ 457.3	\$ 659.9	\$ 667.7	\$ 644.6	\$ 675.4	\$ 654.7	\$ 669.8	\$ 582.4	\$ 546.1	\$ 642.8	6,773.8
Valmy													
Energy (MWh)	80,713.5	63,126.3	114,243.2	162,179.4	164,317.4	148,919.1	162,434.1	170,138.1	174,862.3	135,394.6	120,468.9	127,937.3	1,624,734.3
Cost (\$ x 1000)	\$ 2,467.9	\$ 1,937.0	\$ 3,509.1	\$ 4,929.5	\$ 4,990.7	\$ 4,528.7	\$ 4,935.2	\$ 5,151.1	\$ 5,296.1	\$ 4,420.1	\$ 3,924.9	\$ 4,176.2	50,266.5
Danskin													
Energy (MWh)	15.7	0.0	0.5	15,319.6	14,781.7	227.7	366.8	254.2	215.7	0.5	1.1	6.6	31,190.2
Cost (\$ x 1000)	\$ 1.1	\$ 0.0	\$ 0.0	\$ 936.4	\$ 908.6	\$ 15.0	\$ 23.5	\$ 20.0	\$ 18.9	\$ 0.0	\$ 0.1	\$ 0.4	1,924.1
Fixed Capacity Charge - Gas Transportation (\$ x 1000)	\$ 314.2	\$ 286.3	\$ 314.2	\$ 304.9	\$ 314.2	\$ 304.9	\$ 314.2	\$ 314.2	\$ 304.9	\$ 314.2	\$ 304.9	\$ 314.2	3,705.8
Total Cost	\$ 315.3	\$ 286.3	\$ 314.3	\$ 1,244.7	\$ 1,225.0	\$ 320.1	\$ 338.1	\$ 334.5	\$ 324.1	\$ 314.3	\$ 305.0	\$ 314.7	5,636.4
Bennett Mountain													
Energy (MWh)	0.6	-	-	4,357.5	7,370.5	28.2	38.3	40.3	12.0	-	-	-	11,847.4
Cost (\$ x 1000)	\$ 0.0	\$ -	\$ -	\$ 272.3	\$ 452.0	\$ 1.9	\$ 2.3	\$ 3.2	\$ 1.0	\$ -	\$ -	\$ -	732.8
Fixed Capacity Charge - Gas Transportation (\$ x 1000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Cost	\$ 0.0	\$ -	\$ -	\$ 272.3	\$ 452.0	\$ 1.9	\$ 2.3	\$ 3.2	\$ 1.0	\$ -	\$ -	\$ -	732.8
Purchased Power (Excluding CSPP)													
Market Energy (MWh)	970.9	19,498.2	37,735.3	197,931.0	209,982.4	66,798.4	4,547.8	28,199.6	48,390.7	35,018.2	3,852.9	1,063.0	653,988.5
Contract Energy (MWh)	27,086.1	30,806.6	63,919.2	67,636.3	61,277.4	22,010.0	31,184.2	29,743.0	36,917.3	30,054.1	23,193.1	25,715.8	449,543.2
Total Energy Excl. CSPP (MWh)	28,057.1	50,304.8	101,654.5	265,567.4	271,259.8	88,808.4	35,732.0	57,942.7	85,308.0	65,072.3	27,046.1	26,778.8	1,103,531.8
Market Cost (\$ x 1000)	\$ 41.3	\$ 696.0	\$ 1,240.7	\$ 11,281.9	\$ 13,279.8	\$ 4,196.4	\$ 274.1	\$ 1,770.4	\$ 3,227.5	\$ 2,083.8	\$ 213.7	\$ 53.4	38,358.7
Contract Cost (\$ x 1000)	\$ 1,062.9	\$ 1,207.5	\$ 4,701.6	\$ 5,295.0	\$ 4,862.4	\$ 1,180.4	\$ 1,663.1	\$ 1,904.4	\$ 2,357.5	\$ 1,638.3	\$ 1,268.6	\$ 1,036.6	28,178.3
Total Cost Excl. CSPP (\$ x 1000)	\$ 1,104.3	\$ 1,903.5	\$ 5,942.3	\$ 16,576.9	\$ 18,142.0	\$ 5,376.8	\$ 1,937.2	\$ 3,674.8	\$ 5,585.0	\$ 3,722.1	\$ 1,482.2	\$ 1,090.0	66,537.1
Surplus Sales													
Energy (MWh)	404,131.7	321,188.3	230,814.9	28,839.6	17,227.0	125,804.0	225,876.2	130,998.8	147,286.0	163,041.1	324,350.3	395,961.4	2,515,519.3
Revenue Including Transmission Costs (\$ x 1000)	\$ 15,602.2	\$ 10,394.8	\$ 6,879.7	\$ 1,490.4	\$ 987.8	\$ 7,166.4	\$ 12,346.1	\$ 7,458.6	\$ 8,909.0	\$ 8,798.6	\$ 16,312.6	\$ 18,054.0	114,400.2
Transmission Costs (\$ x 1000)	\$ 404.1	\$ 321.2	\$ 230.8	\$ 28.8	\$ 17.2	\$ 125.8	\$ 225.9	\$ 131.0	\$ 147.3	\$ 163.0	\$ 324.4	\$ 396.0	2,515.5
Revenue Excluding Transmission Costs (\$ x 1000)	\$ 15,198.0	\$ 10,073.6	\$ 6,648.8	\$ 1,461.6	\$ 970.6	\$ 7,040.6	\$ 12,120.2	\$ 7,327.6	\$ 8,761.7	\$ 8,635.5	\$ 15,988.3	\$ 17,658.0	111,884.6
Hoku First Block Revenues	\$ 2,411.4	\$ 2,487.3	\$ 1,586.5	\$ 785.5	\$ 1,309.1	\$ 2,094.1	\$ 2,487.3	\$ 2,411.4	\$ 2,487.3	\$ 2,487.3	\$ 2,259.6	\$ 2,487.3	25,294.3
Net Hedges													
Energy (MWh)													
Cost (\$ x 1000)													
Net Power Supply Costs (\$ x 1000)	\$ (6,649.4)	\$ (1,815.5)	\$ 9,480.1	\$ 31,123.2	\$ 32,932.3	\$ 10,967.7	\$ 3,038.7	\$ 9,778.0	\$ 10,651.5	\$ 7,297.7	\$ (3,582.6)	\$ (5,204.9)	\$ 96,016.6
PURPA (\$ x 1000)	\$ 7,400.4	\$ 7,909.6	\$ 8,068.3	\$ 9,165.8	\$ 11,360.0	\$ 12,580.0	\$ 12,671.9	\$ 12,070.9	\$ 10,879.9	\$ 9,023.3	\$ 7,868.9	\$ 8,562.3	\$ 117,561.4
Total Net Power Supply Expense (\$ x 1000)	\$ 750.9	\$ 6,094.1	\$ 17,548.4	\$ 40,289.0	\$ 44,292.3	\$ 23,547.6	\$ 15,710.6	\$ 21,848.8	\$ 21,531.4	\$ 16,321.0	\$ 4,286.3	\$ 3,357.3	\$ 215,578.0
Sales at Customer Level (In 000s MWh)	1,004.1	1,018.0	1,204.2	1,407.0	1,498.6	1,391.6	1,120.3	1,049.1	1,176.6	1,302.4	1,211.5	1,121.9	14,505,160
Hours in Month	720	744	720	744	744	720	744	720	744	744	672	744	8760
Unit Cost / MWh (for PCAM)	\$0.75	\$5.99	\$14.57	\$28.63	\$29.56	\$16.92	\$14.02	\$20.83	\$18.30	\$12.53	\$3.54	\$2.99	\$ 14.86
Prices Used in Purchased Power & Surplus Sales Above:													
Heavy Load													
Portion of Purchased Power considered HL Purcha	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%	64.25%
Purchased Power HL Price	45.62	39.93	38.15	64.07	69.87	69.29	63.25	64.25	64.25	62.36	64.25	64.25	52.38
Portion of Surplus Sales considered HL Surplus Sa	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%	62.70%
Surplus Sales HL Price	42.33	37.05	35.39	59.44	64.83	63.36	58.69	60.96	64.29	57.86	53.49	48.59	
Light Load													
Portion of Purchased Power considered LL Purcha	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%	35.75%
Purchased Power LL Price	37.09	28.08	23.41	44.30	51.33	52.99	54.91	57.53	62.04	54.38	51.51	46.50	
Portion of Surplus Sales considered LL Surplus Sal	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%	37.30%
Surplus Sales LL Price	32.35	24.49	20.41	38.63	44.76	46.21	47.89	50.17	54.10	47.42	44.92	40.55	

Idaho Power/106
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright
Summary of Revenue Change Resulting from 2009 October Update

October 19, 2009

Idaho Power Company
Before the Public Utilities Commission of Oregon
State of Oregon
Current and Proposed Rates
12-Months Ending March 31, 2011

<u>Tariff Description</u>	(1) Rate Schedule No	(2) Average No. of Customers	(3) Normalized kWh	(4) Current Revenues Effective 6/1/09	(5) Revenue Difference	(6) Proposed Revenues Effective 6/1/10	(7) Percent Change	(8) Mills per kWh
Uniform Tariff Rates:								
Residential Service	1	13,466	200,042,004	\$11,342,282	\$784,165	\$12,126,447	6.91%	60.6195
Small General Service	7	3,002	16,369,226	1,132,404	64,167	1,196,571	5.67%	73.0988
Large General Service	9	1,321	129,996,500	6,808,960	509,586	7,318,546	7.48%	56.2980
Dusk to Dawn Lighting	15	-	484,271	112,664	1,899	114,563	1.69%	236.5680
Large Power Service	19	7	251,493,885	9,302,961	985,857	10,288,818	10.60%	40.9108
Irrigation Service	24	1,547	61,322,820	2,881,544	240,385	3,121,929	8.34%	50.9097
Unmetered General Service	40	3	12,900	772	51	823	6.61%	63.7984
Municipal Street Lighting	41	12	777,913	101,108	3,049	104,157	3.02%	133.8929
Traffic Control Lighting	42	6	17,262	794	67	861	8.44%	49.8783
Total Uniform Tariffs		19,364	660,516,781	\$31,683,489	\$2,589,226	\$34,272,715	8.17%	51.8877

Idaho Power/107
Witness: Scott L. Wright

BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON

IDAHO POWER COMPANY

Exhibit Accompanying Testimony of Scott L. Wright

Draft Schedule 55

October 19, 2009

SCHEDULE 55
ANNUAL POWER COST UPDATE
(Continued)

APCU - MARCH FORECAST (Continued)

Purchased Power

- Heavy Load - 3.9% above average Mid-C HL prices
- Light Load - 7.1% above average Mid-C LL prices

Surplus Sales

- Heavy Load - 3.6% below average Mid-C HL prices
- Light Load - 6.6% below average Mid-C LL prices

The March Forecast Rate for power supply expense will be the Forecast Power Costs determined by the procedures described above, divided by the Forecast Normalized sales.

CHANGES IN NET POWER SUPPLY EXPENSE

Changes in NPSE are defined as the projected per unit change in NPSE from the per unit NPSE used to develop the Energy Charge for the applicable rate schedules. Unit NPSE are defined as the total NPSE divided by Normalized Sales for the April through March Test Period.

FILING AND EFFECTIVE DATE

In October of each year, the Company will file its October Update with an effective date of June 1 of the following year.

In March of each year the Company will file its March Forecast with an effective date of June 1 following the filing.

RATE ADJUSTMENT

The Sales Adjusted Forecast Power Cost Change is the March Forecast Rate less the October Update Rate, the result multiplied by the Forecast Sales.

The Forecast Change Allowed is 95% of the Sales Adjusted Forecast Power Cost charge.

The March Forecast Rate Adjustment is the Forecast Change Allowed divided by Forecast Sales.

The Combined Rate is the sum of the October Update Rate and the March Forecast Rate Adjustment.

The rate adjustment is the difference between the Combined Rate and the unit NPSE included in the current base rate. The rate adjustment is applied to each of the schedules on an equal cents per kWh basis.

ADJUSTMENT RATES

<u>Schedule</u>	<u>Description</u>	<u>¢ per kWh</u>	
1	Residential Service	1.6490	(I)
7	Small General Service	1.6490	(I)
9	Large Power Service	1.6490	(I)
15	Dusk to Dawn Lighting	1.6490	(I)
19	Large Power Service	1.6490	(I)
24	Irrigation Service	1.6490	(I)
40	Unmetered General Service	1.6490	(I)
41	Municipal Street Lighting	1.6490	(I)
42	Traffic Control Lighting	1.6490	(I)