

**BEFORE THE  
PUBLIC SERVICE COMMISSION OF WISCONSIN**

Application of Wisconsin Power and Light )  
Company for Authority to Adjust Rates in ) Docket No. 6680-FR-104  
Accordance with its 2012 Fuel Cost Plan )

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**DIRECT TESTIMONY OF JONATHAN WALLACH  
ON BEHALF OF THE CITIZENS UTILITY BOARD OF WISCONSIN**

October 31, 2011

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1 **I. Introduction and Summary**

2 **Q: Please state your name, occupation, and business address.**

3 A: My name is Jonathan F. Wallach. I am Vice President of Resource Insight, Inc.,  
4 5 Water Street, Arlington, Massachusetts.

5 **Q: Please summarize your professional experience.**

6 A: I have worked as a consultant to the electric-power industry since 1981. From  
7 1981 to 1986, I was a research associate at Energy Systems Research Group. In  
8 1987 and 1988, I was an independent consultant. From 1989 to 1990, I was a  
9 senior analyst at Komanoff Energy Associates. I have been in my current  
10 position at Resource Insight since September of 1990.

11 Over the past thirty years, I have advised clients on a wide range of  
12 economic, planning, and policy issues including: electric-utility restructuring;  
13 wholesale-power market design and operations; transmission pricing and policy;  
14 market valuation of generating assets and purchase contracts; power-  
15 procurement strategies; risk assessment and management; integrated resource

1 planning; cost allocation and rate design; and energy-efficiency program design  
2 and planning.

3 My resume is attached as CUB-Exhibit-Wallach-1

4 **Q: Have you testified previously in utility regulatory proceedings?**

5 A: Yes. I have sponsored expert testimony in more than 45 federal, provincial, or  
6 state proceedings in the U.S. and Canada. CUB-Exhibit-Wallach-1 includes a  
7 detailed list of my previous testimony.

8 **Q: On whose behalf are you testifying?**

9 A: I am testifying on behalf of the Citizens Utility Board (CUB).

10 **Q: What is the purpose of your testimony?**

11 A: On May 18, 2011, Wisconsin Power and Light Company (WPL or “the  
12 Company”) filed an application with the Public Service Commission of  
13 Wisconsin (Commission) to increase electric rates effective January 1, 2012 by  
14 1.34% in order to recover an expected increase in fuel costs of about \$13.5  
15 million. On August 17, 2011, the Company revised its filing to account for the  
16 Environmental Protection Agency’s (EPA) release of the final Cross-State Air  
17 Pollution Rule (CSAPR). In its supplemental filing, the Company requests a rate  
18 increase of 2.0% in order to recover an expected increase in fuel costs of about  
19 \$20.1 million.<sup>1</sup>

20 This testimony addresses two aspects of the Company’s filing: (1) the  
21 proposed increase in monitored fuel costs associated with compliance with  
22 CSAPR requirements in 2012; and (2) the proposal to allocate the requested  
23 increase in fuel costs to rate classes based on each class’s contribution to total

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<sup>1</sup> The expected increase is relative to monitored fuel cost levels approved in the Docket No. 6680-UR-117 reopener.

1 retail energy sales. The impact of CSAPR on the Company's fuel cost is  
2 discussed in the pre-filed direct and supplemental testimony by Company  
3 witnesses Eric J. Guelker, Neil E. Michek, and Scott A. Blankman. The  
4 Company's proposal for allocating the requested increase is described in  
5 testimony by Company witness Brian E. Penington.

6 **Q: Please summarize your findings and conclusions with regard to CSAPR**  
7 **compliance costs.**

8 A: Absent implementation of compliance measures, the Company anticipates that  
9 SO<sub>2</sub> emissions from its generating plants will exceed CSAPR limits in 2012.  
10 However, because of uncertainties regarding compliance requirements and costs,  
11 the Company has not yet formulated a comprehensive strategy for meeting 2012  
12 CSAPR requirements. Instead, WPL proposes to partially comply by switching  
13 to low-sulfur coal at its Nelson Dewey generating units. In lieu of a definitive  
14 plan for eliminating the remaining excess emissions, the Company assumes  
15 purchases of SO<sub>2</sub> allowances to cover the remaining excess for the purposes of  
16 forecasting monitored fuel costs. The Company asserts that the market price for  
17 SO<sub>2</sub> allowances is a reasonable proxy for the compliance measures that the  
18 Company will eventually employ in 2012.

19 The Company has not demonstrated that the compliance costs included in  
20 monitored fuel costs reflect a least-cost strategy for complying with 2012  
21 CSAPR requirements. To the contrary, alternative fuel runs conducted at  
22 Commission staff's request indicate that [REDACTED]

23 [REDACTED]  
24 covering the remaining excess with allowance purchases. Moreover, WPL may  
25 be able to further reduce compliance costs through a coordinated compliance  
26 strategy with other Wisconsin utilities.

1 **Q: What do you recommend with regard to the proposed increase for CSAPR**  
2 **compliance costs?**

3 A: The Commission should reject the Company's proposed increase to monitored  
4 fuel costs for 2012.

5 Given uncertainties associated with CSAPR requirements and compliance  
6 costs for 2012, there are two reasonable options for the treatment of monitored  
7 fuel costs. First, the Commission could find that deferral of CSAPR-related  
8 costs is appropriate. I understand that such a deferral has been proposed by  
9 Madison Gas and Electric Company in its rate case reopener for the 2012 test  
10 year, and has been discussed in Wisconsin Public Service Corporation's rate  
11 case reopener for the 2012 test year.

12 Alternatively, if the Commission chooses to allow recovery of CSAPR  
13 compliance costs in 2012 monitored fuel costs for WPL, I recommend that  
14 certain assumptions in the calculation of fuel costs be modified. In particular, the  
15 Company should update its assumptions for the cost of allowance purchases and  
16 for plant dispatch costs to reflect current market prices for SO<sub>2</sub> and NO<sub>x</sub>  
17 allowances. In addition, the Company should update its forecast of Midwest  
18 Independent Transmission System Operator (MISO) prices with current market  
19 prices.

20 Whether the Commission chooses to defer or allow recovery of CSAPR  
21 compliance costs, I also recommend that the Commission suspend the 2%  
22 bandwidth on monitored fuel costs for 2012. Given the variety of compliance  
23 strategies that the Company may actually employ in 2012, and given the wide  
24 range of fuel costs associated with such strategies, it would not be reasonable for  
25 the Company to either retain 2% of any savings from monitored fuel costs or to  
26 bear 2% of any losses. Nonetheless, the Company will continue to bear the

1           burden of demonstrating that all such CSAPR compliance costs have been  
2           prudently incurred.

3           Finally, WPL should be directed to provide to the Commission on a regular  
4           basis comprehensive reports detailing the Company's progress in devising and  
5           implementing a least-cost CSAPR compliance strategy for 2012 and beyond. At  
6           a minimum, these filings should report: (1) the status of CSAPR implementation  
7           for 2012; (2) the results of ongoing economic evaluations of compliance options  
8           and plans; (3) the status and outcome of statewide coordination efforts; and (4)  
9           actual CSAPR costs incurred to-date and forecasted spending for the remainder  
10          of 2012 for compliance purposes.

11   **Q: What do you conclude with regard to the Company's proposal for**  
12   **allocating the requested fuel-cost increase?**

13   A: The Company's proposal to allocate any approved fuel cost increase on energy  
14   is reasonable and should be adopted.

## 15   **II. CSAPR Compliance Costs**

16   **Q: How does the Company plan to comply with the CSAPR requirements for**  
17   **2012?**

18   A: According to Mr. Guelker, WPL currently anticipates that SO<sub>2</sub> emissions from  
19   its generating plants will exceed CSAPR limits by about 15,800 tons, but that  
20   NO<sub>x</sub> emissions will fall below CSAPR limits. The Company intends to  
21   eliminate 8,000 tons of excess SO<sub>2</sub> emissions by burning low-sulfur coal rather  
22   than petroleum coke at the Nelson Dewey generating units. For the purposes of  
23   forecasting monitored fuel costs for 2012, the Company assumes that it will

1 cover the remaining 7,800 tons of excess SO<sub>2</sub> emissions with purchases of SO<sub>2</sub>  
2 allowances at a market price of \$3,000/ton.<sup>2</sup>

3 **Q: What does the Company forecast for the cost of complying with CSAPR in**  
4 **2012?**

5 A: The Company has not provided an explicit estimate of the cost to fuel-switch at  
6 Nelson Dewey. However, according to Mr. Guelker, “WPL estimates the cost of  
7 reducing emissions as a result of this fuel switch is less than [REDACTED] per ton of  
8 SO<sub>2</sub> reduced.”<sup>3</sup> At a cost of [REDACTED]/ton of SO<sub>2</sub> reduction, the cost to eliminate  
9 8,000 tons through fuel-switching would be about [REDACTED].

10 According to Mr. Michek, the Company estimates a cost of approximately  
11 \$23.5 million for the purchase of allowances to cover the remaining 7,800 tons  
12 of excess SO<sub>2</sub> emissions.

13 **Q: How did the Company forecast plant emissions for 2012?**

14 A: According to Mr. Michek, the Company forecasts emissions by plant and by  
15 month using the Company’s Enterprise Planning and Risk (EP&R) economic  
16 dispatch model. The Company uses the EP&R model to simulate hourly  
17 generation from each of its generating plants based on economic merit-order  
18 dispatch against a forecast of hourly locational marginal prices (LMP).<sup>4</sup> The

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<sup>2</sup> As discussed below, WPL is not sure which compliance measures it will use in 2012, other than fuel-switching at Nelson Dewey. Instead, the Company simulates compliance through allowance purchases, reasoning that the cost of allowance purchases is a reasonable proxy for other compliance options.

<sup>3</sup> *Pre-Filed Direct Testimony of Eric J. Guelker*, PSCW Docket No. 6680-FR-104, May 18, 2011, p. D1.18c (PSC REF #: 148251).

<sup>4</sup> Under merit-order dispatch, and ignoring operating constraints such as minimum run times, generating plants are dispatched in each hour in order of increasing marginal cost until either sufficient generation has been dispatched to serve hourly load or the marginal cost for the next unit to be dispatched exceeds LMP for that hour. In the latter case, the EP&R model will serve remaining load with purchases priced at the hourly LMP.

1 EP&R model then determines hourly plant emissions based on forecasted hourly  
2 generation and input assumptions regarding plant emission rates.

3 Plant emissions in excess of CSAPR limits are derived by netting allocated  
4 allowances against total plant emissions as simulated with the EP&R model.

5 **Q: How does the Company forecast locational marginal prices?**

6 A: According to Mr. Blankman, LMP represents the market price for purchases  
7 from MISO to serve the Company's load. The Company estimates LMP based  
8 on forward market prices at the Cinergy Hub, as adjusted for the cost of  
9 congestion and losses between the Cinergy Hub and the Company's load zone.

10 **Q: Do allowance costs affect the dispatch of generating plants in the EP&R  
11 model?**

12 A: Yes. The Company includes a market price for allowances as part of a plant's  
13 variable operating cost for dispatch purposes. This is appropriate, since the  
14 dispatch of a generating plant will increase plant emissions and thus allowance  
15 purchases.<sup>5</sup> All else equal, increasing the dispatch price by the allowance market  
16 price will reduce plant output and thus plant emissions.

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<sup>5</sup> Even if the additional emissions do not exceed emission limits and thus do not require additional allowance purchases, they reduce the amount of unused allocated allowances. Such unused allowances have an opportunity value, in that they can be banked for future use or sold into the market.

1 **Q: Did WPL assume the same SO<sub>2</sub> allowance market price for dispatch**  
2 **purposes as it used to estimate the cost to comply with CSAPR?**

3 A: No. For dispatch purposes, the Company assumed an allowance price for SO<sub>2</sub> of  
4 \$8/ton, based on prevailing market prices under the Clean Air Interstate Rule  
5 and the Acid Rain Program.

6 The Company used this “pre-CSAPR” market price for dispatch purposes  
7 in order to ensure that “dispatch costs would include the same impacts and  
8 assumptions that WPL believes were included in the then current electric market  
9 prices.”<sup>6</sup> The Company apparently believes that the market was not pricing  
10 expected cost impacts from CSAPR compliance in the forward market prices  
11 prevailing at the time it forecast LMPs based on those forward prices.<sup>7</sup> If so,  
12 using expected CSAPR allowance prices in dispatch costs would have  
13 artificially raised dispatch prices for the Company’s coal plants relative to LMP,  
14 and would have likely forecasted significantly less generation from those plants  
15 than would be expected for 2012 when actual LMPs reflected CSAPR impacts.

16 **Q: Is there any indication that current forward prices reflect CSAPR impacts?**

17 A: Yes. In response to MAR-25, the Company re-ran the EP&R model using 2012  
18 Cinergy Hub forward prices as of September 15, 2011. The September 15 off-  
19 peak prices for 2012 were [REDACTED] % higher than the 2012 off-peak forward prices  
20 as of March 31, 2011 that were used in the original EP&R runs.<sup>8</sup> In contrast, on-  
21 peak forward prices for 2012 increased by only [REDACTED] % between the March 31 and

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<sup>6</sup> Company response to MAR-12.1 (PSC REF #: 152183).

<sup>7</sup> See the Company’s response to 4-CUB/INT-2a.

<sup>8</sup> The September 15 forward prices were provided in the Company’s response to MAR-25.8 (PSC REF #: 154792 and 154787). The March 31 forward prices were provided in the Company’s response to MAR-1.28 (PSC REF #: 148271).



1 September 15 trading dates. This is the type of price trend – [REDACTED]  
2 [REDACTED] – one would expect as the market  
3 priced CSAPR impacts into forward pricing.<sup>9</sup>

4 **Q: Should WPL revise its dispatch-cost assumptions to reflect expected**  
5 **CSAPR allowance prices?**

6 A: The Company should increase dispatch prices to reflect CSAPR allowance  
7 prices in any fuel run that relies on prevailing forward market prices to forecast  
8 LMPs, since current forward prices appear to reflect market expectations  
9 regarding CSAPR impacts.

10 **Q: Is the Company's forecast of CSAPR compliance costs for 2012 reasonably**  
11 **reliable?**

12 A: At this time, there is simply too much uncertainty regarding the implementation  
13 of, and the costs to comply with, the 2012 CSAPR requirements to reliably  
14 forecast the Company's compliance costs for 2012. Specifically, it is uncertain at  
15 this time as to whether CSAPR will be in force in 2012, what compliance  
16 requirements will apply to WPL in 2012, or which compliance strategy WPL  
17 will actually employ in 2012 and at what cost. With this much uncertainty, the  
18 Company's forecast of the cost to comply with CSAPR should be considered to  
19 be speculative.

20 **Q: Why is there uncertainty at this time as to whether CSAPR will apply in**  
21 **2012?**

22 A: My understanding is that several states have sued the EPA in federal court in  
23 order to block implementation of CSAPR in 2012. In addition, a number of

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<sup>9</sup> I would expect CSAPR-related increases in coal operating costs to have a larger impact on market prices during off-peak hours, since coal generation is more likely to be the marginal resource and to set market price during off-peak hours rather than on-peak hours.

1 utilities (including WPL) have petitioned the EPA to reconsider the 2012  
2 requirements. Finally, there has been pressure on the EPA from Congress to  
3 delay implementation, including hearings regarding CSAPR and adoption of an  
4 amendment to a House bill that would delay implementation until, at the  
5 earliest, 2013.

6 **Q: Why is there uncertainty at this time regarding the Company's CSAPR**  
7 **requirements for 2012?**

8 A: Even if implementation is not delayed, ongoing challenges from the states and  
9 Congress might lead to changes in compliance requirements for 2012. In fact, on  
10 October 6, 2011, the EPA proposed changes to CSAPR that would increase the  
11 2012 NOx allowance budgets for a number of states (including Wisconsin) and  
12 suspend certain penalty provisions for non-compliance in 2012.

13 As noted above, the Company filed a petition for reconsideration with the  
14 EPA on October 6, 2011 that disputes the reasonableness of the allowance  
15 allocation to Wisconsin and identifies errors in the simulation modeling used to  
16 set the Wisconsin budgets. Favorable action on this and other petitions would  
17 likely lead to additional changes in 2012 compliance requirements.

18 **Q: Barring any changes to 2012 compliance requirements, is there still**  
19 **uncertainty as to the viability or cost-effectiveness of the Company's**  
20 **strategy for complying with the 2012 requirements?**

21 A: According to Mr. Guelker, there is considerable uncertainty, since other than to  
22 fuel-switch at Nelson Dewey:

1 WPL does not know which combination of compliance alternatives it will  
2 use, and in what proportion it will use them, to comply. As a result, it is  
3 especially difficult to forecast with certainty how these alternatives will  
4 impact WPL generating unit operations including changes to the cost of  
5 operations.<sup>10</sup>

6 In other words, the Company does not currently have a definitive plan for  
7 complying with the 2012 requirements (other than to fuel-switch at Nelson  
8 Dewey) and therefore is unable to forecast with any certainty the cost of  
9 complying with those requirements. Instead, the Company simulates compliance  
10 using allowance purchases at a cost of \$3,000/ton as a proxy for whatever plan  
11 the Company eventually adopts.

12 **Q: Why does WPL believe that the market price for allowances is a reasonable**  
13 **proxy for the cost of compliance?**

14 A: The Company argues that the market price for allowances should equate to the  
15 marginal cost of compliance alternatives for all market participants.  
16 Furthermore, the Company asserts that its compliance costs are likely to be  
17 comparable to those for other market participants and, consequently, “it is  
18 reasonable to expect that the cost of purchasing an SO<sub>2</sub> emission allowance will,  
19 on average and over time, generally equate to the cost of WPL reducing its SO<sub>2</sub>  
20 emissions directly.”<sup>11</sup>

21 **Q: Is this argument valid?**

22 A: The premise is reasonable, but the conclusion is not. It is reasonable to assume  
23 that allowance market prices would reflect market participants’ marginal cost of  
24 compliance, i.e., the cost of the most-expensive compliance measure, at least in  
25 a liquid and transparent market. It is also true, by definition, that the Company’s

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<sup>10</sup> *Pre-Filed Supplemental Direct Testimony of Eric J. Guelker*, PSCW Docket No. 6680-FR-104, August 17, 2011, p. D1.66 (PSC REF #: 151940).

<sup>11</sup> *Id.*, p. D1.67.

1 marginal cost of compliance would be equal to the allowance market price, since  
2 the Company generally would not undertake a compliance measure that is more  
3 expensive than allowance purchases. However, it is not valid to conclude from  
4 these assumptions that the allowance market price is a reasonable proxy for the  
5 Company's compliance cost, since that would imply unrealistically that the  
6 Company's *marginal* cost of compliance is equal to its *average* cost of  
7 compliance. In other words, the Company's conclusion would imply that none  
8 of the compliance measures it might employ are less expensive than the  
9 marginal measure of allowance purchases.

10 This is clearly not the case for WPL. According to Mr. Guelker, the  
11 Company proposes to fuel-switch at the Nelson Dewey units because the cost  
12 per ton of SO<sub>2</sub> reduction is substantially less than the assumed market price for  
13 SO<sub>2</sub> allowances:

14 WPL estimates the cost of reducing emissions as a result of this fuel switch  
15 is less than [REDACTED] per ton of SO<sub>2</sub> reduced. This is considerably less than  
16 the assumed CATR SO<sub>2</sub> allowance price of [REDACTED] per ton. Fuel switching  
17 at the Nelson Dewey generating units, in lieu of purchasing additional  
18 CATR SO<sub>2</sub> allowances, will result in reduced compliance costs, by  
19 approximately \$16 million.<sup>12</sup>

20 In addition, information provided by WPL in response to MAR 1-25  
21 indicates that the Company has compliance options in addition to fuel-switching  
22 at Nelson Dewey that are less expensive than allowance purchases. Specifically,  
23 a comparison of the fuel runs for MAR-25.11 and MAR-25.12 shows that the  
24 Company could comply with 2012 CSAPR requirements with a combination of  
25 fuel-switching at Nelson Dewey and additional compliance measures ([REDACTED])  
26 [REDACTED]

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<sup>12</sup> Guelker Direct, p. D1.18c.

1 [REDACTED] ) [REDACTED] with a combination of  
2 Nelson Dewey fuel-switching and allowance purchases at market price. This  
3 result indicates that the average cost of the Company's compliance measures  
4 other than fuel-switching at Nelson Dewey [REDACTED] the Company's estimate  
5 of the market price for SO<sub>2</sub> allowances.<sup>13</sup>

6 **Q: Should the Company set 2012 fuel costs based on the results of the fuel run**  
7 **for MAR-25.12?**

8 A: No. Market prices for SO<sub>2</sub> allowances have dropped sharply over the last few  
9 months and have been trading at less than one-third the market price used in the  
10 Company's fuel runs.<sup>14</sup> As a result, none of the compliance measures assumed  
11 for MAR-25.12, except perhaps for the Nelson Dewey fuel-switch, may be cost-  
12 effective compared to allowance purchases.

13 More critically, the Company has not shown that the compliance measures  
14 incorporated in the MAR-25.12 fuel run represent the least-cost compliance  
15 strategy, either for 2012 or over the long run. According to Mr. Guelker and  
16 materials provided in response to CUB's discovery requests, the Company is  
17 evaluating a wide range of compliance options for 2012 and beyond and has  
18 discussed the feasibility of some of these measures with MISO staff. However,  
19 there is no indication from this material that the compliance measures assumed

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<sup>13</sup> Even though the average cost of these measures [REDACTED] the allowance market price, some of these measures individually may be [REDACTED] allowance purchases at market price. If so, the Company might be able to further reduce costs with a combination of Nelson Dewey fuel-switching, additional compliance measures, and allowance purchases.

<sup>14</sup> Prices in the Intercontinental Exchange (ICE) over-the-counter market settled at \$835/ton for 2012 SO<sub>2</sub> allowances and \$1,800/ton for NO<sub>x</sub> allowances on October 21, 2011. BGC Environmental Brokerage Services has also recently reported bid-ask spreads consistent with ICE settlement prices.

1 for the purposes of MAR-25.12 represent the least-cost mix of the options that  
2 the Company is considering for 2012.<sup>15</sup>

3 Moreover, as far as I am aware, the Company has not considered whether  
4 compliance costs could be lowered through a coordinated compliance strategy  
5 with other Wisconsin utilities. Coordination may present opportunities for  
6 economic gains from trade between utilities, for example with over-compliance  
7 by one utility funded through the sale to another utility of allowances freed up  
8 by over-compliance.

9 **Q: How might such a statewide effort be implemented?**

10 A: Such an investigation could be conducted under Commission auspices and by an  
11 independent consultant retained by the Commission.

12 **Q: What do you recommend with regard to the treatment of fuel costs for  
13 2012?**

14 A: In general, monitored fuel costs should reflect compliance costs based on a  
15 comprehensive, least-cost strategy for meeting 2012 CSAPR requirements.  
16 However, given uncertainties associated with CSAPR requirements and  
17 compliance costs for 2012, there are two reasonable options for the treatment of  
18 monitored fuel costs. One option would be for the Commission to find that  
19 deferral of CSAPR-related costs is appropriate. Alternatively, if the Commission  
20 chooses to allow recovery of CSAPR compliance costs in 2012 monitored fuel  
21 costs for WPL, I recommend that certain assumptions in the calculation of fuel  
22 costs be modified. In particular, I recommend that WPL: (1) calculate the cost of  
23 allowance purchases based on the current market price for SO<sub>2</sub> allowances; (2)

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<sup>15</sup> In addition, the Company's response to 3-CUB/RFP-8 (PSC REF #: 154291) indicates that certain compliance measures may [REDACTED]. If so, such impacts should be reflected in economic evaluations of compliance strategies.

1 include the current market prices for SO<sub>2</sub> and NO<sub>x</sub> allowances in plant dispatch  
2 costs; and (3) update its LMP forecast to incorporate current forward market  
3 prices at the Cinergy Hub.

4 Whether the Commission chooses to defer or allow recovery of 2012  
5 CSAPR compliance costs, I also recommend that the Commission suspend the  
6 2% bandwidth on monitored fuel costs for 2012. As discussed above, the MAR-  
7 25 fuel runs show that there is considerable uncertainty in the costs of  
8 compliance and thus in monitored fuel costs. Given the variety of compliance  
9 strategies that the Company may actually employ, and given the wide range of  
10 fuel costs associated with such strategies, it would not be reasonable for the  
11 Company to either retain 2% of any savings from monitored fuel costs or to bear  
12 2% of any losses.

13 Finally, WPL should be directed to provide to the Commission on a regular  
14 basis comprehensive reports regarding all aspects of the Company's compliance  
15 planning, including: (1) the status of CSAPR implementation for 2012; (2) the  
16 results of ongoing economic evaluations of compliance options (including the  
17 Nelson Dewey fuel-switch) and plans; (3) the status and outcome of statewide  
18 coordination efforts; and (4) actual CSAPR costs incurred to-date and forecasted  
19 spending for the remainder of 2012 for compliance purposes.

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1 **III. Class Allocation of Requested Fuel-Cost Increase**

2 **Q: How does WPL propose to allocate the requested fuel-cost increase to**  
3 **customer classes?**

4 A: According to Mr. Penington, the Company proposes to allocate the requested  
5 increase on the basis of each class's contribution to retail energy sales.<sup>16</sup>

6 **Q: Is the Company's proposal reasonable?**

7 A: Yes. All three cost factors that contribute to the requested increase – emissions  
8 allowances, fuel, and chemicals – vary with energy production. It is therefore  
9 reasonable and appropriate to allocate the requested increase on energy.

10 **Q: Does this complete your direct testimony?**

11 A: Yes.

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<sup>16</sup> See Exhibit 1.04 (BEP), Schedule 1, p. 2 (PSC REF #: 148248).