

DOCKET NO. UE-032065
WUTC V. PACIFICORP
Direct Testimony of Jim Lazar
Exhibit ____, JL-1T

BEFORE THE WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

DOCKET NO. UE-032065

DIRECT TESTIMONY OF JIM LAZAR (JL-1T)

ON BEHALF OF

PUBLIC COUNSEL

JULY 2, 2004

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1 **Q: Please state your name, address, and occupation?**

2 **A:** Jim Lazar, 1063 Capitol Way S. #202, Olympia, WA 98501. I am a consulting
3 economist specializing in electric and gas utility regulation.

4 **Q: Please briefly summarize your qualifications?**

5 **A:** I have been engaged in utility consulting continuously since 1982. I have
6 appeared before this commission on many occasions, including several
7 proceedings involving Pacific Power and Light Company, beginning with Cause
8 U-78-05 in 1980. My other clients have included this Commission, the state
9 Commissions of Idaho and Arizona, and numerous federal, state, and local
10 governmental agencies.

11 **Q: What exhibits are you sponsoring in this proceeding?**

12 **A:** JL-2 is a numerical exhibit depicting the impact of my proposed change in cost
13 allocation between states. JL-3 is a detail of my experience.

14 I. INTRODUCTION

15 **Q: What is the purpose of your testimony in this proceeding?**

16 **A:** I address two topics. The first is the interstate allocation of production and
17 transmission facilities, in which I recommend that the traditional “control-area”
18 approach to allocation be retained, with a separation between the eastern facilities
19 that serve Utah and the western facilities that serve Washington and Oregon.
20 Within this general approach, I further recommend that the Commission consider
21 a “situs” allocation of hydro system costs and benefits, because the social
22 (primarily environmental) costs of hydro facilities are primarily imposed on the
23 state in which the facilities are located. The effect of these recommendations is to
24 reduce the Company’s Washington revenue requirement by \$34 million compared
25 with the Company rolled-in pricing proposal, and about \$21 million compared
26 with the Staff approach of using a melded Western control-area analysis.

27 I also address rate spread between classes and rate design within classes
28 for the residential and small business customers. In this, I recommend that the
29 Company’s proposed rate spread and residential rate design be accepted.

1 **Q: What specific experience do you have that is relevant to the interstate cost**
2 **allocation issues in this proceeding?**

3 **A:** My background with Pacific Power and Light Company interstate cost allocation
4 issues spans more than two decades. In Cause U-83-57, I testified on the
5 treatment of the Colstrip 3 project, which came into service, but the output of the
6 plant was effectively sold to Black Hills Power and Light Company for 40 years.
7 I recommended, and the Commission adopted a position that no return from
8 Washington customers should be authorized for this project, because that return
9 would be paid by Black Hills Power and Light Company.

10 During 1988, I served as a consultant to Public Counsel as an expert
11 witness in the proceeding involving the merger of Pacific Power and Light and
12 Utah Power and Light in Docket U-87-1338 in Washington and to the intervenor
13 Utility Reform Project in Docket UF-4000 in Oregon.

14 During 2000, I served as a consultant to Public Counsel during Docket No.
15 UE-991832, a PacifiCorp general rate case that ended in a settlement stipulation
16 creating the rate plan that Pacific is now operating under. Interstate cost
17 allocation was an issue in that proceeding, with the Company seeking to impose
18 what was then known as the "Modified Accord." The parties could not agree to
19 accept this methodology, and the stipulation did not address the interstate cost
20 allocation issues, reaching a Washington revenue requirement without reference
21 to system costs or the apportionment thereof.

22 In 2002 and 2003, I was a consultant to the WUTC Staff during some of
23 the Multistate Process (MSP) discussions, and attended MSP meetings in Las
24 Vegas, Nevada and Boise, Idaho in that role. My long background on these issues
25 was an important element of that consultancy.

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1 **II. INTERSTATE COST ALLOCATION**

2 **Q: What are the key issues in the interstate allocation of production and**
3 **transmission costs?**

4 **A:** Approval of the merger between Pacific Power and Light and Utah Power and
5 Light was predicated upon it being beneficial to Washington ratepayers. As the
6 Commission stated:

7 *“Thus, the Commission’s concern was that Washington ratepayers receive*
8 *an equitable share of the benefits.”¹*
9

10 Under the Company’s proposed approach in this proceeding, this objective is not
11 achieved. This is because the Company assigns a significant portion of the low-
12 cost hydro resources that are a part of the Washington system to the Eastern
13 System, primarily Utah, and assigns a significant portion of the higher-cost
14 thermal resources that are a part of the Utah Power (or Eastern) system to
15 Washington ratepayers.

16 **Q: Why, in your opinion, has the Company assigned these benefits to Utah?**

17 **A:** It appears that the Company made too many promises at the time of the merger.
18 Utah appears to have expected significant cost savings from the merger through
19 access to the lower-cost Western resources. As detailed below, the states of
20 Washington and Oregon conditioned approval of the merger on a no-harm
21 requirement or net benefit standard for jurisdictional ratepayers. Therefore the
22 merged Company “started” with a problem -- more than 100% of the low-cost
23 resources on its system were committed to serving customers. This is similar to
24 the situation that emerged on the Centralia coal plant sale, where Washington
25 ratepayers were entitled to a proportionate share of the net gain, but the Utah
26 Commission also insisted on a share of the gain in excess of the contribution
27 made by Utah consumers to pay for that resource.

28 This disparity has grown more serious over time due to significant load
29 growth in Utah and the continued desire of the old Utah Power system to try to

¹ Docket No. U-87-1338-AT, Second Supp. Order, P. 13.

1 take advantage of low-cost Pacific Power resources. Because of rapid load
2 growth in Utah, new resources have been required to serve Utah load, and the cost
3 of these resources is quite high. If these new resources are allocated among the
4 states in a manner proportionate to load, rather than proportionate to load growth,
5 Washington winds up with a much larger share of the expensive new resources,
6 driving up costs and making the merger detrimental to Washington customers.
7 This would appear to violate the “no-harm” standard that was applied to the
8 merger approval.

9 **Q: What is the basis of your statement that the merger was to be beneficial to**
10 **Washington ratepayers?**

11 **A:** In its evidence in the merger proceeding (U-87-1338-AT), the Company
12 identified savings in net power costs of \$158 million by the fifth year of the
13 merger. The Company indicated that the merger would have a de minimus effect
14 on the ability of Washington utilities to access the California market.² The first
15 statement appears to be untrue -- the combined system has higher costs than the
16 Western system alone. The second statement is only true if the historical
17 “Western” resources (including transmission) are reserved to the Pacific Power
18 customers in Washington, Oregon, and California; otherwise access of
19 Washington customers to the California market is diluted by Utah receiving an
20 allocation of the benefits of this transmission interconnection.

21 **Q: Did the Washington Commission recognize the risk to Washington customers**
22 **if the two systems were integrated into one, and express caution about that**
23 **possibility when it considered the merger?**

24 **A:** Yes. The Commission stated:

25 *“The Commission continues to be concerned about the effects on*
26 *Pacific’s ratepayers of merging with a higher cost system, and believes*
27 *that any integration of the power supply functions for the two companies*
28 *should be done in a manner consistent with Pacific’s least-cost planning*
29 *process, now getting under way. In the meantime, the Commission views*

² U-87-1338-AT, Second Supplemental Order, P. 3 & 9.

1 *Pacific's current average system costs as the appropriate basis for*
2 *rates.*"³

3 **Q: Did the Oregon Commission take a similar position on the merger?**

4 **A:** I was also involved in the Oregon merger proceeding, and the Oregon
5 Commission took a much more explicit position in its Order; for brevity I
6 paraphrase the key elements:

- 7 ○ Until a formal adoption of allocation methods was approved, the pre-
8 merger generation and transmission facilities of Pacific and Utah power
9 were to remain the responsibilities of the Pacific and Utah divisions,
10 respectively.
- 11 ○ Post-merger additions were to be equitably allocated between the regions.
- 12 ○ Net power cost savings were to be shared between the regions.

13
14 Furthermore, the Oregon Commission's Order specifically identifies the
15 possibility that the newly merged company may not achieve full system cost
16 recovery if its jurisdictions adopt diverging allocation methodologies. Indeed, the
17 summary by the Oregon Commission was quite unambiguous:

18 "If Staff and Pacific are unable to reach agreement on an allocation
19 issue, the method of allocation will be determined by the
20 Commission based on the guidelines in the stipulation. Pacific
21 agrees, however, that its shareholders will assume all risks that
22 may result from less than full system cost recovery if
23 interdivisional allocation methods differ among the merged
24 company's jurisdictions."⁴ (Emphasis added)

25
26 "Lastly, Pacific has agreed to hold Oregon customers harmless if
27 the merger results in greater net costs to serve Oregon customers
28 than if the merger had not occurred. Pacific witness Reed testified
29 that this commitment is not limited in duration and shall apply both

³ Ibid., P. 14.

⁴ Oregon PUC, Order No. 88-767, P. 6

1 before and after application of the residential exchange credit from
2 BPA.”⁵
3

4 **Q: Have the systems been integrated?**

5 **A:** No, they have not. The Western system and Eastern system remain two separate
6 control areas. The transmission interconnections between the two are still fairly
7 weak. In fact, the interconnections to the California system from Oregon, and to
8 the Arizona/New Mexico system from Utah remain much stronger than those
9 between the Utah Power system and the Pacific Power and Light Company
10 system.

11 **Q: Are there resources in each system that cannot functionally serve the other?**

12 **A:** Yes. Resources such as Cholla, Craig, and Hayden simply are not connected to
13 the system in a manner that permits any meaningful flow of power from those
14 power plants into Washington. In my opinion, these resources were acquired for
15 the purpose of supporting wholesale operations and/or to serve Utah load, not to
16 serve Washington customers. Because of Pacific Power’s existing resource base
17 and historic transmission connections, power from these resources really cannot
18 reach Washington except under very unusual circumstances.

19 **Q: Are there some lingering prudence issues relating to these particular
20 resources?**

21 **A:** Yes. In the last proceeding, the settlement specifically did not resolve the
22 prudence issues. In my testimony on that settlement, I opined that it probably
23 would not matter very much in five years time, as the resources would depreciate
24 to the point where they would not be “above market.” I think this is now true, and
25 if portions of these were allocated to Washington *in addition to* our share of the
26 Western system resources, they would not cause adverse financial impacts, as the
27 output could likely be sold off-system at compensatory prices. However, the
28 company’s proposal is to allocate these resources to Washington *in place of*

⁵ Ibid, P. 7

1 Western system resources, and doing so drives up the cost of service to
2 Washington customers.

3 **III. THE EASTERN SYSTEM HAS HIGHER COSTS**

4 **Q: Why is it that the Eastern system that serves Utah has higher costs?**

5 **A:** The principal reason is that the Eastern system is almost entirely thermal, while
6 the Western system has lower-cost hydro resources. However, the cost of
7 developing new thermal resources in the West has been lower than in the East as
8 well.

9 My Exhibit ___(JL-2) shows the cost per kilowatt-hour for various utility
10 resources. On Page 1, I first group according to the Company's rolled-in
11 approach, then show the effect of assigning Washington hydro resources to
12 Washington and reducing thermal resources accordingly. On page 2, I show the
13 same resources grouped according to the Control Area approach, and the effect of
14 assigning Washington hydro resources to Washington and reducing Western
15 Control Area thermal resources accordingly. The Company provided this data by
16 power plant and by year; the table below shows the following cost relationships
17 for calendar year 2003:

18

Resource Group	Cost/mWh
Washington Hydro	\$14.48
PP&L Pre-Merger Resources	\$23.94
UP&L Pre-Merger Resources	\$28.79
Western Post-Merger Resources	\$39.94
Eastern Post-Merger Resources	\$42.18
Western System Average	\$25.02

Eastern System Average	\$29.84
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1

2 **Q: What conclusions do you draw from this information?**

3 **A:** First, the cheapest major resources on the system are the Washington hydro.
4 Second, the Western system was cheaper than the Eastern system when the
5 merger occurred, and even with the sale of Centralia, the pre-merger resources
6 have retained that relationship. Third, the cost of developing new resources has
7 remained lower in the West than in the East. Therefore it is not surprising that the
8 Western system average cost is nearly \$5/mWh cheaper than the Eastern system
9 average cost.

10 **Q: What is the Company's proposal for dealing with these cost differentials?**

11 **A:** The Company proposal is to merge all of these resources into a single pool, and
12 allocate the costs of this melded pool among the states based on loads in each
13 state, resulting in a "system average" of about \$28.21 for 2003. The effect of that
14 rolled-in methodology is to charge Washington customers about \$3/mWh more
15 than the Western system average cost of power. Given a Washington load of
16 about 5 billion kWh/year, this shifts about \$15 million in costs to Washington
17 ratepayers compared with pre-merger conditions, and therefore unambiguously
18 fails the "no harm" standard imposed by the Commission at the time of the
19 merger.

20 **Q: Are there resources that were historically a part of the Pacific Power and
21 Light system that the Company is now treating as "Eastern" resources?**

22 **A:** Yes. The Wyodak and Dave Johnston power plants were originally a part of the
23 Pacific Power and Light system, as was a majority of the Wyoming load served
24 by the Company today. The Company is treating these as part of the East control
25 area. The Dave Johnston plant, in particular, is a low-cost unit, primarily because
26 it was built in 1959 (45 years ago), and has very little undepreciated rate base.

27

28

1 **Q: Should the Commission reclassify these as a part of the Western system?**

2 **A:** There is clearly an historic basis for that, and doing so would reduce costs in the
3 West. The Oregon staff did an estimate distributed at the July, 2003 MSP
4 meeting in Boise, Idaho that this treatment disadvantaged the Western states by
5 \$15 million, of which about 22%, or \$3 million, would accrue to Washington.
6 However, due to its age, I expect that Dave Johnston will face major overhaul and
7 pollution control costs in the future, and this cost relationship may not continue
8 for very long. I have not sought to reclassify these units in my analysis, nor have
9 I treated the Wyoming load as a part of the West.

10 **IV. SITUS HYDRO PROPOSAL**

11 **Q: What methodology do you propose be used to allocate generation costs**
12 **between the states?**

13 **A:** I propose a two-step process. First, each state would be allocated the costs and
14 benefits of hydro resources located within their respective borders. Second, each
15 state would have the remainder of its power needs met with a proportionate
16 allocation of the costs and benefits of the Western or Eastern system thermal and
17 contract resources, as appropriate to the state being examined.

18 **Q: How would this approach affect Washington?**

19 **A:** In this approach, Washington would be assigned the costs and benefits of the
20 Merwin Dam complex on the Lewis River and the smaller hydro resources in the
21 state. Washington would not receive any of the costs or benefits of the hydro
22 facilities located in Oregon, California, or the Eastern states. Because the
23 Washington hydro can meet a larger proportion of Washington load than is the
24 case in the other states, and because this is a low-cost resource, there are financial
25 benefits to Washington of this approach.

26 **Q: Why is it appropriate to assign hydro costs and benefits on a geographic**
27 **basis?**

28 **A:** There are several reasons. Most important, the environmental impacts of hydro
29 are increasingly recognized as being significant economic and non-economic
30 costs. These environmental costs fall primarily on the state in which the resources

1 are located. Utah fisheries do not suffer from the construction or operation of the
2 Merwin Dam complex; Washington fisheries bear this risk. Utah land is not
3 impounded; Washington land is impounded.

4 Second, there are significant costs associated with the Company's Oregon
5 hydro projects related to irrigation in the Klamath basin. These "water wars"
6 have become somewhat legendary, pitting endangered species against entrenched
7 irrigation farmers. Washington farmers do not get the benefit of this water
8 diversion from the hydro system, and it is therefore difficult to justify charging
9 Washington ratepayers for the higher power costs that result from diversion of
10 water for irrigation purposes. Keeping this cost and benefit within Oregon
11 provides a reasonable congruity of impacts that could lead to rational land
12 management in the future.

13 Third is the issue of proximity. The vast majority of the Company's hydro
14 resources pre-date the 500 kv transmission era. All were built to serve relatively
15 nearby loads. Assigning Washington or Oregon resources to Utah makes little
16 sense in this regard; any transmission access that might make it possible to ship
17 power from West to East is purely a byproduct of thermal power development
18 that occurred decades after these hydro projects were constructed. By contrast,
19 the Colstrip and Bridger coal plants, while physically located in the East were
20 built with the explicit purpose of providing power to the customers in Oregon and
21 Washington, and very expensive 500 kv lines were built to move the power.
22 There can be no question that they are Western resources.

23 Next, there is the issue of generational equity. These hydro projects were
24 not always "cheap." For many years, they had higher costs than power that
25 Pacific Power and Light Company could have purchased from the Bonneville
26 Power Administration. Pacific Power chose to build and retain these resources in
27 light of expected long-run cost increases for non-owned resources. Washington
28 customers paid these higher short-run costs, and under the Company's proposed
29 method of allocation, we would be denied the lower long-run costs that this
30 investment made possible.

1 Finally, there is the ratepayer investment in protecting the investment from
2 legal challenges. In the case of the Merwin Dam complex in Washington, and the
3 North Umpqua complex in Oregon, Pacific Power spent significant sums on legal
4 proceedings in the late 1970's and early 1980's to protect their investment from
5 eminent domain efforts by nearby public utilities. Washington customers paid for
6 these efforts, not Utah customers.

7 **Q: What percentage of Washington's load can be met with the hydro resources**
8 **located in Washington?**

9 **A:** The Washington hydro resources generate about 2.4 billion kwh/year. This is
10 sufficient to meet slightly over half of the load in Washington. Because of the
11 peaking capability of these resources, and the load-following value of hydro, there
12 are also capacity values and ancillary services values to hydro that I have not
13 attempted to isolate and credit to Washington.

14 **Q: How have you measured the effect of the hydro allocation approach that you**
15 **recommend?**

16 **A:** I have measured this effect by calculating the impact on Washington revenue
17 requirement from substituting Washington hydro for resources from outside the
18 state.

19 First, I have measured this effect against the Company's approach of
20 rolling-in all of the thermal resources. This calculation is shown on page 1 of
21 Exhibit ___ (JL-2). It shows a \$34.3 million revenue requirement reduction
22 compared with the rolled-in methodology. If the Commission accepts the
23 Company's proposal for a Rolled-In cost allocation method, I recommend that
24 this adjustment be applied in computing Washington power supply costs.

25 Second, I have measured this effect against the so-called "Control Area"
26 method that I understand staff is relying on in its testimony in this case. This
27 calculation is also shown in Exhibit ___ JL-2, at page 2. It shows a \$21.2 million
28 revenue requirement reduction compared with the Control Area methodology. If
29 the Staff approach of a Control Area allocation of power costs is accepted as the

1 primary basis for interstate cost allocation, I recommend that this adjustment be
2 applied to the Staff's proposed revenue requirement.

3 **V. ADJUSTMENT TO ROLLED-IN METHOD RESULTS**

4 **Q: Begin by describing the calculation you have performed in JL-2 using the**
5 **Rolled-In methodology as the base.**

6 **A:** In this calculation, I have first computed an average cost of hydro and thermal
7 resources used to meet Washington load on a system average rolled-in basis. This
8 cost is \$29.67 / megawatt-hour. I then recomputed the average cost by assigning
9 100% of the Washington hydro, and none of the hydro located in other states to
10 Washington, and reducing thermal power assigned to Washington
11 commensurately. The weighted average cost of this mix of resources is \$22.44
12 megawatt-hour. The difference, multiplied by the megawatt-hours included in
13 this analysis, is \$34,269,125.

14 The table below shows the resources that make up the adjusted mix based
15 on the twelve months ending March, 2004. The differential is the cost savings
16 that I estimate Washington would achieve if the Washington Hydro were assigned
17 to Washington, but the rest of the rolled-in methodology remained intact.

18

Resource Group	Cost \$/mWh
Washington Hydro	\$14.57
System Thermal	\$30.63
Average Cost \$/mWh	\$29.67
Average Washington Cost \$/mWh (adjusted for Washington Hydro assignment)	\$22.44
Cost Differential, \$/mWh	\$7.23

Megawatt-hours of hydro and thermal allocated to Washington	4,739,461
Power Cost Differential	\$34,269,125

1

2 **Q: How have you allocated transmission, power purchase and sale contracts,**
3 **and other cost elements in this calculation?**

4 A. I have not changed those elements. The purpose of my calculation is to
5 demonstrate the order of magnitude of the subsidy of other states that occurs
6 when Washington hydro is diverted away from Washington loads. The “cost
7 differential” shown above is the effect of direct assignment of the hydro costs and
8 energy benefits. Any differential treatment of ancillary services benefits,
9 contracts, or other elements that the Commission found appropriate would
10 increase or decrease this result.

11 Because the number of megawatt-hours provided by these resources is
12 relatively close to the Washington load, I would not expect inclusion of these
13 additional factors to make a very large difference in my analysis, even if the
14 Commission determined they should be considered.

15 It might seem natural to include the Company’s Mid-Columbia hydro
16 purchases in this analysis as this is unambiguously “hydro” and unambiguously
17 generated in Washington. I have not, in part because at the time those contracts
18 were originated or renewed, it was understood that Oregon would be receiving
19 part of the power. As discussed below, the “Control Area” analysis does limit
20 these resources to Washington and the other Western system states.

21 **VI. ADJUSTMENT TO CONTROL AREA APPROACH RESULTS**

22 **Q: Please describe how you have prepared your calculation that begins with the**
23 **Control Area approach to cost allocation?**

24 A: First I have started with the Company’s calculation of the cost of power on a
25 resource-by-resource basis as I did with the Rolled-In approach. However, the
26 Company separately identified the “Western” and “Eastern” systems in its

1 analysis shown in my Exhibit ___(JL-2), so I began with the Western system
2 costs.

3 First I assign the Washington hydro to Washington. This is an increase of
4 about 2.4 billion kilowatt-hours per year. I then reduce the thermal power from
5 Colstrip, Bridger, and Hermiston by an equivalent amount. The result is an
6 average cost of power of \$19.67 per megawatt-hour, compared with \$24.99 per
7 megawatt-hour before the hydro adjustment. This change produces a reduction in
8 Washington power supply cost of \$21,243,064 on an annual basis compared with
9 the results when a Control Area allocation methodology is used.

10 The results of this calculation for the twelve months ending March, 2004 are
11 shown in the table below:

Resource Group	Cost
Washington Hydro	\$14.57
Western Thermal	\$27.50
Weighted Average	\$19.67
Western System Average	\$24.99
Cost Differential \$/mwh	\$5.32
Megawatt-hours of hydro and thermal allocated to Washington	3,992,459
Power Cost Differential \$/year	\$21,243,064

12

13 **Q: Please summarize the results of your calculations applying Washington**
14 **hydro resource costs and benefits to Washington loads?**

15 **A:** These two analyses show that the diversion of Washington hydro resources to out-
16 of-state electricity consumers would cost Washington ratepayers \$21 million/year
17 if the Control Area approach were adopted by the Commission, and \$34

1 million/year if the Rolled-In method were adopted. I recommend that these
2 adjustments be applied to whichever approach the Commission determines to be
3 appropriate.

4 **VII. HOW SHOULD THE COMMISSION USE THESE RESULTS**

5 **Q: What is your recommended treatment of this issue in this proceeding?**

6 **A:** I believe that the Control Area approach is the correct starting point. There is no
7 sound basis for using the Rolled-In approach, because the two systems are not
8 sufficiently linked in either planning or design to facilitate that type of
9 management. Doing so would also fail the “no-harm” and/or “net benefit” tests
10 imposed by the Washington and Oregon state Commissions when the merger was
11 approved.

12 I further believe that the direct assignment of hydro costs and benefits to
13 the states in which they are located is appropriate, and should be ordered by the
14 Commission.

15 **Q: Are the calculations you have performed sufficiently accurate to set a**
16 **revenue requirement in this proceeding?**

17 **A:** No, they are approximate, based on data the Company supplied on an aggregated
18 basis. I requested the Company to perform a cost study using these assumptions,
19 and it indicated that the computer model they have prepared is not adequate to do
20 this (response to Public Counsel data request #219). While the Commission’s
21 rules require the Company to re-run its model with our assumptions, if the model
22 cannot portray this cost allocation scheme, then the results of such an effort would
23 not be meaningful.

24 **Q: What do you recommend the Commission do if it adopts the concept that**
25 **Washington hydro costs and benefits should be directly assigned to**
26 **Washington?**

27 **A:** The Commission should make a finding that Washington hydro costs and benefits
28 should remain in Washington. As explained by Mr. Dittmer, with my adjustment
29 (to either the Control Area or Rolled-In approaches), the total revenue
30 requirement would result in a rate reduction.

1 The Commission would then seem to have two options. It could decline to order
2 a change in rates, due to the rate moratorium that extends to January 1, 2006, and
3 order the Company to file its next proceeding, for rates to take effect at the end of
4 the current rate moratorium, using this allocation method. Alternatively, it could
5 order an immediate reduction in rates to reflect this methodology. The choice
6 between these options is a legal issue, not a technical or policy issue.

7 **VIII. RATE DESIGN**

8 **Q: What is your recommendation with respect to rate spread between classes**
9 **and rate design within classes?**

10 **A:** I am a co-author of joint testimony on this subject with WUTC Staff Analyst
11 Joelle Steward, and ICNU consultant Donald Schoenbeck. In that testimony, we
12 recommend that Schedule 24 receive a larger than average decrease (or smaller
13 than average increase), and that other classes receive a uniform percentage rate
14 adjustment. We also recommend that the Company's residential rate design
15 proposal be accepted. In the event of a rate increase, the increase should apply by
16 first increasing the customer charge by \$0.25/month as proposed by the Company,
17 with the balance applied to the end block for usage over 600 kWh. If the
18 Commission orders a decrease, it should be applied to the initial block of
19 residential usage, reflecting an allocation of Washington low-cost hydro resources
20 to meet the initial block of Washington residential consumption.

21 **Q: Does this complete your prepared testimony?**

22 **A:** Yes.