-BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH-

In the Matter of the Application of PacifiCorp for Approval of Its Proposed Electric Rate Schedules and Electric Service Regulations Docket No. 01-035-01

Utah Division of Public Utilities

Exhibit No. DPU 8.0 COS

Direct Testimony (COS) of Rebecca L. Wilson

for the

Division of Public Utilities

Department of Commerce

State of Utah

June 15, 2001

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1	Q.	Please state your name, occupation and business address.		
2	A.	Rebecca L. Wilson, Technical Consultant for the Division of Public Utilities (Division) of		
3		the State of Utah Department of Commerce at 160 East 300 South, Salt Lake City, Utah.		
4	Q.	Are you the same Rebecca Wilson that filed direct testimony on revenue requirement		
5		in this case on June 4, 2001?		
6	А.	Yes.		
7	Q.	What is the purpose of your testimony today?		
8	А.	To present the Division's position on the spread of rates and rate design. More		
9		specifically I will discuss:		
10		1. Rate making objectives		
11		2. Description of cost-of-service studies		
12		3. Cost-of-service principles		
13		4. Rate spread recommendations		
14		5. Rate design principles		
15		6. Rate design recommendations		
16		7. Customer charge		
17		RATE-MAKING OBJECTIVES		
18	Q.	What are the Division's rate-making objectives?		
19	A.	Section 54-4a-6 of the Utah Code provides the following rate-making objectives for the		

Division:

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2	In the	perform	ance of the duties, powers, and responsibilities committed to it by law, the		
3	Divisio	Division of Public Utilities shall act in the public interest in order to provide the Public			
4	Service	e Comr	nission with objective and comprehensive information, evidence, and		
5	recom	mendati	ons consistent with the following objectives:		
6	(1)	promo	te the safe, healthy, economic, efficient, and reliable operation of all public		
7		utilitie	s and their services, instrumentalities, equipment, and facilities;		
8	(2)	provid	e for just, reasonable, and adequate rates, charges, classifications, rules,		
9		regula	tions, practices, and services of public utilities;		
10	(3)	make	he regulatory process as simple and understandable as possible so that it is		
11		accept	able to the public; feasible, expeditious, and efficient to apply; and designed		
12		to min	imize controversies over interpretation and application;		
13	(4)	for pu	poses of guiding the activities of the Division of Public Utilities, the phrase		
14		"just, 1	reasonable, and adequate" encompasses, but is not limited to the following		
15		criteria	1:		
16		(a)	maintain the financial integrity of public utilities by assuring a sufficient		
17			and fair rate of return;		
18		(b)	promote efficient management and operation of public utilities;		
19		(c)	protect the long-range interest of consumers in obtaining continued quality		
20			and adequate levels of service at the lowest cost consistent with the other		

1			provisions of Subsection (4).
2		(d)	provide for fair apportionment of the total cost of service among customer
3			categories and individual customers and prevent undue discrimination in
4			rate relationships;
5		(e)	promote stability in rate levels for customers and revenue requirements for
6			utilities from year to year; and
7		(f)	protect against wasteful use of public utility services.
8		Since these of	bjectives are not prioritized and are sometimes conflicting, the Division must
9		use judgemen	t in balancing the objectives.
10			DESCRIPTION OF COST-OF-SERVICE STUDIES
11	Q.	The above ol	ojectives call for the fair apportionment of costs. How is fair
12		apportionme	ent determined?
13	A.	Fair apportion	ment of costs is determined by completing a cost-of-service study. Division
14		Witness Laur	a Nelson provides testimony on the Division's cost-of-service study.
15	Q.	What is the j	ourpose of a class cost-of-service study?
16	A.	The purpose of	of a class cost-of-service study is to determine each rate class or schedule's
17		share of the U	Jtah revenue requirement or in other words the rate class or schedule revenue
18		requirement.	

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2		COST-OF-SERVICE PRINCIPLES
3	Q.	How does the Division make the decisions necessary to complete and use a cost of
4		service study to get fair apportionment of costs?
5	A.	The Division over the years has used the following cost of service principles to achieve the
6		fair apportionment of costs:
7		1. Cost causation
8		2. Equal rates of return
9		3. Gradualism
10	Q.	Please explain the Division's cost causation principle.
11	A.	Cost causation is the principle that costs should be borne by those who cause them to be
12		incurred. This is done not only for the perception of fairness but also to send a correct
13		price signal to the consumer. This principle is implemented by using cost causative
14		allocation methods (factors). An example of a cost causative allocation method is the
15		allocation of fuel cost among users on the basis of each user's relative share of total kwh
16		because fuel cost is a variable cost primarily caused by the total kwh produced.
17	Q.	Please explain your equal rates of return principle.
18	A.	Equal rates of return is the traditional measure of a fair sharing of total costs among
19		users. The total cost of utility service which is usually referred to as the revenue
20		requirement is composed of total operating expenses plus a return on rate base. The total

1 cost to serve each rate class is the sum of the operating expenses allocated to the rate class 2 plus the target *system* average rate of return on the rate base allocated to that rate class. 3 For each rate class to pay its fair share of the total cost-of-service, it must pay the same 4 system rate of return. Only when the rates of return are equal is there a fair apportionment 5 of the total cost-of-service. By comparing the actual earned rate of return on rate base for 6 each class to the system average rate of return, you can determine if that rate class has 7 contributed more or less than the average to the Company's total rate of return on rate 8 base. If the earned rate of return for a rate class is less than the average, then that rate 9 class is not paying its fair share of the Utah total cost of service. Only when the earned 10 rate of return on rate base is equal for all rate classes can you be sure that Utah's total cost 11 of service has been fairly apportioned among the rate classes. 12 Q. Please explain your gradualism principle. 13 A. Gradualism has traditionally been used by the Division in making changes to an 14 individual class revenue requirement in order to minimize rate impact and to promote rate

19 objective.

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stability. Cost of service is a moving target because of shifts in cost allocations due to

changing service characteristics such as kwh usage and peak demands as well as study

refinements and corrections. Gradual movement toward setting rates equal to the cost of

service prevents flip-flopping due to changes over time and helps meet our rate stability

1		RATE SPREAD RECOMMENDATIONS
2	Q.	Are cost-of-service adjustments needed in this case?
3	A.	Yes. Cost-of-service adjustments are nonuniform percentage changes in revenue
4		requirements across rate schedules that are based on a cost-of-service study. Analysis of
5		the Division's cost-of-service study results [Exhibit No. DPU 11.1] shows that all rate
6		classes except for General Service Rate 6, General Service High Voltage Rate 9 and
7		Traffic Signals Rate 12, fall outside a plus or minus 10% band around the Commission's
8		allowed system rate of return of 8.873%. This means that cost-of-service adjustments are
9		needed and that a non-uniform change is reasonable.
10	Q.	What is the basis for the 10% band around the system rate of return?
11	A.	In the Commission's March 7, 1983 spread Order in UP&L case No. 81-035-13 they stated
12		on page 35:
13 14 15 16 17 18 19 20		The study of cost of service is not an exact science and thus, we find we have no obligation to bring each schedule to the precise results of a particular cost of service study. Dr. Leininger, who testified on behalf of Nucor, indicated that bringing a schedule within plus or minus 10% of Company average rate of return is reasonable. We adopt as a reasonable regulatory objective that each customer schedule over time be brought to within a range of plus or minus 10 percent of relevant cost of service study results.
21	Q.	What is the Division's spread recommendation?
22	A.	Our recommended spread of the Division's proposed \$5.8 million revenue requirement
23		increase is shown in Exhibit No. DPU 8.7. We recommend equal percentage increases of
24		about 1.9 % for Residential Rate 1, Irrigation Rate 10, and Mobile Home Park Rate 25.

1		We recommend no overall revenue change for Residential Time of Day Rate 2, General		
2		Service Rates 6, 6A and 6B, General Service High Voltage Rate 9, 9A and 9B, Street and		
3		Area Light Rates 7, 11, 12, Traffic Signals Rate 12, Outdoor Lighting Rate 12, Small		
4		General Service Rate 23, Electric Furnace Rate 21 (frozen), Small General Service 23B,		
5		and Firm Industrial Contracts. We support movement of many customers from the frozen		
6		Commercial Space Heating Rate 19 to the applicable schedules identified by PacifiCorp		
7		witness Mr. Griffith. This results in a revenue decrease for Commercial Space Heating		
8		Rate 19 of 11.5%.		
9	Q.	What is the basis for the Division's spread recommendation?		
10	A.	Our spread recommendation is based on the following:		
11		1. The results of our class cost-of-service study for 12 months ending September 2000.		
12		2. Comparison of past and current cost of service studies.		
13		3. No change to schedules that are close to cost of service or call for a rate decrease when		
14		a general rate increase is needed.		
15		4. Frozen rate schedules should not get decreases unless they are achieved through		
16		consolidation with other rate schedules. Frozen rate schedules should not get increases		
17		unless they are supported by cost studies.		
18	Q.	Why do you recommend a rate increase for only three rate schedules?		
19	A.	According to the Division's class cost-of-service study, summarized in Exhibit No. DPU		
20		11.1, only four classes need an <i>increase</i> in revenue to bring them closer to a rate of return		

index of 1.00. These classes are Residential Rate 1, Irrigation Rate 10, Mobile Home Park
 Rate 25 and Firm Industrial Contracts.

3 I recommend making no change to the Firm Industrial Contracts group for three reasons. First, it is my understanding that the Firm Industrial Contracts class is primarily one 4 contract which is due to expire July 31, 2001. Thus, the required revenue increase could 5 6 not be collected by the time rate changes in this case are made effective. Second, allocating an equal percentage share of the required revenue increase to this class did not 7 8 materially reduce the revenue increase required for the other three classes. Therefore 9 fairness to the other three classes did not dictate we include the Firm Industrial Contract 10 class in the increase. Finally, it could require litigation to alter the contract which could 11 demand time and resources better spent on changes that are material. This leaves the 12 remaining three rate classes to absorb the required revenue increase.

Q. Why did you spread the revenue increase equally among the three rate classes rather
 than applying the individual increases noted in the Division's class cost of service
 study?

A. We spread the increase equally in order to promote rate stability yet recognize fairness.
The Division's class cost-of-service study indicates that each of these three rate classes are
below 90% of the rate of return index. It shows that Rate 1 is much closer to the 10% band
at .89 than the Irrigation Rate 10 is at .56, which fact might argue for unequal spread of the

1		revenue increase among these three classes. However, because of some concerns with the
2		Company's class cost-of-service study, we chose to allocate the required revenue increase
3		equally among the three classes. For example, the weather adjustments used in the
4		Company's class cost-of-service study are double the adjustments used by the Company in
5		its interjurisdicitonal weather adjustments in some months. We have outstanding data
6		requests regarding this issue. Further, as Division witness Dr. Nelson points out, we have
7		concerns with the data underlying the calculation of the customer charge that we are
8		looking into. On the other hand, except for the lighting rates, the results of the Company's
9		class cost-of-service study are consistent with prior years class cost-of-service studies and
10		therefore we have some confidence in it. Finally, the Division's recommended increase
11		for each class is less than the individual increase identified for each class in the Division's
12		class cost-of-service study. In this way we promote both fairness and rate stability by
13		gradually moving toward cost-of-service yet recognizing the limits and potential errors in
14		the class cost-of-service study.
15	Q.	According to the Division's class cost-of-service study, the lighting schedules require
16		a substantial rate reduction. Why did the Division choose to maintain the existing
17		rates?
18	A.	Review of past class cost-of-service studies over the last five years has shown the lighting
19		rates to be consistently below cost of service. This is the first class cost-of-service study
20		that indicates a decrease is needed for the lighting rate schedules. The Company provided

1		no explanation in its testimony for the flip-flop in results. We have an outstanding data
2		request asking for an explanation. It could be a data error. It is for this reason and for the
3		reason that it is Division policy not to decrease rates in a case calling for a rate increase,
4		that we do not recommend a decrease for lighting rates.
5	Q.	But then why do you recommend a decrease for the Commercial Space Heating Rate
6		19 which is currently frozen?
7	A.	The Division recommends a decrease for this rate because we support movement of
8		customers from frozen rate schedules to applicable rate schedules when it does not result
9		in an unreasonable rate increase. This is because it is discriminatory to have customers
10		with similar usage characteristics paying different rates. Once a rate schedule is frozen,
11		new customers are not eligible to take service at that rate but must instead pay a higher rate
12		for similar service and this violates our goal of nondiscriminatory pricing. In the current
13		case, it may be possible to move most customers from this frozen schedule without an
14		adverse impact, thus moving toward our goal of eliminating the frozen schedule.

RATE DESIGN PRINCIPLES

- 16 **Q.** What is rate design?
- A. Rate design is the design of specific rate components that will, when multiplied by the
 related test year billing units, recover the revenue requirement for each rate schedule.
 Recovery of the rate schedule revenue requirement is one of several rate design objectives.

1	Q.	Earlier you discussed objectives and principles for cost-of-service. What are the
2		Division's objectives for rate design?
3	A.	Our objectives follow from the State Code which indicates that rates should be stable,
4		simple, understandable and acceptable to the public, promote economic efficiency and
5		result in a fair apportionment of costs (equity) among individual customers with no undue
6		discrimination, and protect against wasteful use of public utility services. Since these
7		objectives are not prioritized and are sometimes conflicting, the Division must use
8		judgement in balancing the objectives.
9	Q.	How does the Division incorporate these objectives in rate design?
10	A.	I have used the following principles which have been supported by the Division since
11		1983:
12		1. <i>Simple</i> - simple rates are more likely to be understood and accepted by customers.
13		Tariff descriptions should be clear, unambiguous and understandable by the public.
14		2. <i>Correct price signal</i> - if rates are correctly based on costs, customers can make the
15		right decision about energy use including energy conservation decisions. A
16		complicated rate that is not understood cannot be a good price signal. Some
17		customer classes are better able to understand complicated rates than others.
18		3. <i>Multi-part rates</i> - three part rates with customer, energy and demand components
19		will more fairly apportion the costs among individual customers than one or two
20		part rates. However, a demand component for residential is normally not

1		recommended since the added cost of demand meters usually outweighs the benefit
2		of better cost apportionment.
3	4.	Declining block rates - the PSC has adopted the PURPA declining block rate-
4		making standard that requires declining block rates to be cost justified. The
5		Division supported the adoption of this standard and discourages the use of
6		declining block rates. One of our goals has been to eliminate existing declining
7		block rates that are not cost justified.
8	5.	Gradualism - to promote rate stability and to minimize impacts on individual
9		customers, rate changes should be made gradually.
10	6.	Marginal & embedded costs - regulated rates must recover the embedded revenue
11		requirement of the rate schedule. However, marginal and average unit embedded
12		costs should be reviewed and taken into account when setting prices in order to
13		send appropriate price signals.
14	7.	Customer charges - costs that generally increase with the number of customers, but
15		are not caused by each customer should be excluded from the customer charge and
16		instead be included within the commodity portion of rates. This position was
17		stated by the PSC in their Order in Mountain Fuel Case No. 82-057-15.
18		RATE DESIGN RECOMMENDATIONS

19 Q. What are the Division's rate design recommendations?

1	A.	Our p	roposed rate designs are shown in Exhibit No. DPU 8.8, pages1 through 31; changes
2		and to	otals are highlighted by bold type. Briefly, these proposals are:
3		1.	Residential Rate 1 - Maintain the monthly customer charge at 98 cents. Maintain
4			the current energy rate all year for the first 400 kWh of monthly consumption at
5			6.1307 cents per kilowatt-hour. Maintain the current energy rate at 6.1307 cents
6			per kilowatt-hour for all kWh of monthly consumption in the non-summer months.
7			Increase the energy rate from 6.1307 cents per kilowatt-hour to 6.4565 cents per
8			kilowatt-hour for summer time monthly consumption over the first 400 kWhs in
9			order to collect the entire 1.9% class revenue increase. Division witness Dr.
10			Compton presents testimony on this proposal.
11		2.	Residential Rate 2 Time of Day option - Reduce monthly customer service charge
12			from \$14.63 to \$0.98 to equal the customer service charge in Residential Rate 1.
13			In order to recover the required revenue, increase the on-peak and off-peak rates
14			proportionately from 10.9140 cents per kilowatt-hour to 13.1895 cents per
15			kilowatt-hour for on peak power and from 3.2630 cents per kilowatt-hour to
16			3.9433 cents per kilowatt-hour for off-peak power.
17		3.	General Service Rate 6A Energy Time of Day option - Reduce monthly customer
18			service charge from \$29.49 to \$14.74 equal the customer service charge in
19			Residential Rate 6. Reduce the seasonal charge from \$353.86 to \$176.88 to equal
20			the seasonal charge in Residential Rate 6. In order to recover the required revenue,

1		increase the on-peak and off-peak rates proportionately from 6.2025 cents per
2		kilowatt-hour to 6.4476 cents per kilowatt-hour for on peak power and from
3		1.8672 cents per kilowatt-hour to 1.9409 cents per kilowatt-hour for off-peak
4		power.
5	4.	General Service Rate 6B Demand Time of Day option- Reduce monthly customer
6		service charge from \$29.49 to \$14.74 to equal the customer service charge in
7		Residential Rate 6. Reduce the seasonal charge from \$353.86 to \$176.88 to equal
8		the seasonal charge in Residential Rate 6. In order to recover the required revenue,
9		increase the energy rate from 2.6294 cents per kilowatt-hour to 2.65 cents per
10		kilowatt-hour.
11	5.	General Service High Voltage Rate 9A Energy Time of Day option - Reduce
12		monthly customer service charge from \$176.93 to \$98.29 to equal the customer
13		service charge in Residential Rate 9. In order to recover the required revenue,
14		increase the on-peak and off-peak rates proportionately from 4.4789 cents per
15		kilowatt-hour to 4.5010 cents per kilowatt-hour for on peak power and from
16		1.9244 cents per kilowatt-hour to 1.9335 cents per kilowatt-hour for off-peak
17		power.
18	6.	General Service High Voltage Rate 9B Demand Time of Day option- Reduce
19		monthly customer service charge from \$176.93 to \$98.29 to equal the customer
20		service charge in Residential Rate 9. In order to recover the required revenue,

1		increase the energy rate from 2.0165 cents per kilowatt-hour to 2.0324 cents per
2		kilowatt-hour.
3	7.	Irrigation Rate 10 and Rate 10 Time of Day option - maintain the monthly
4		customer charges. Increase the demand and energy components by equal
5		percentages to collect the 1.9% increase.
6	8.	Small General Service Rate 23 - Maintain the customer service charge at \$3.93.
7		Flatten the declining block rate to send a more appropriate price signal and
8		consistent with minimizing customer rate impacts. Reduce the first 1,500 kWh
9		rate from 7.3150 cents per kilowatt-hour to 7.1211 cents per kilowatt-hour.
10		Increase the rate for all additional kWhs from 4.1012 cents per kilowatt-hour to 4.3
11		cents per kilowatt-hour.
12	9.	Small General Service Rate 23B Demand Time of Day - Reduce customer service
13		charge from \$44.76 to \$3.93 to equal the customer service charge in Residential
14		Rate 23. Reduce the seasonal charge from \$565.92 to \$47.16 to equal the seasonal
15		charge in Small General Service Rate 23. Since no customers are currently on this
16		schedule, we do not need to alter the energy rates to collect the necessary revenue
17		requirement but propose energy rates equal the flattened rates we propose for
18		Small General Service Rate 23.
19	10.	Mobile Home Park Rate 25 - Maintain the monthly customer charge at \$8.76.
20		Increase the demand and energy components by equal percentages to collect the

1		1.9% increase in revenues.
2	Q.	Do you have any other recommendations for rates 19 & 21?
3	A.	Yes. We recommend permanently moving individual customers from frozen Rates 19 and
4		21 to other applicable rates if and when it can be done without an unreasonable increase to
5		those customers. This is similar to the approach used in the past to consolidate Residential
6		Rate 5 with Rate 1. Demand meters have been installed in response to this same
7		recommendation the rate case before last. Demand meters were needed in order to assist
8		in accomplishing identification of customers to be moved. These two rate schedules have
9		been frozen for over fourteen years with little progress made toward consolidating them
10		with other applicable schedules.
11	Q.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers
11 12	Q.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers from these two rate schedules and elimination of the frozen schedules. Do you
11 12 13	Q.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers from these two rate schedules and elimination of the frozen schedules. Do you support this proposal?
11 12 13 14	Q. A.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers from these two rate schedules and elimination of the frozen schedules. Do you support this proposal? Because of the rate impacts to some customers, we do not support elimination of the
 11 12 13 14 15 	Q. A.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customersfrom these two rate schedules and elimination of the frozen schedules. Do yousupport this proposal?Because of the rate impacts to some customers, we do not support elimination of thefrozen schedules at this time. We do support moving all customers who benefit from the
 11 12 13 14 15 16 	Q. A.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customersfrom these two rate schedules and elimination of the frozen schedules. Do yousupport this proposal?Because of the rate impacts to some customers, we do not support elimination of thefrozen schedules at this time. We do support moving all customers who benefit from themove now to the applicable rate schedules identified by Mr. Griffith and to continue the
 11 12 13 14 15 16 17 	Q. A.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers from these two rate schedules and elimination of the frozen schedules. Do you support this proposal? Because of the rate impacts to some customers, we do not support elimination of the frozen schedules at this time. We do support moving all customers who benefit from the move now to the applicable rate schedules identified by Mr. Griffith and to continue the movement of such customers on an ongoing basis as was done with Rate 5 customers. Mr.
 11 12 13 14 15 16 17 18 	Q. A.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers from these two rate schedules and elimination of the frozen schedules. Do you support this proposal? Because of the rate impacts to some customers, we do not support elimination of the frozen schedules at this time. We do support moving all customers who benefit from the move now to the applicable rate schedules identified by Mr. Griffith and to continue the movement of such customers on an ongoing basis as was done with Rate 5 customers. Mr. Griffith identified an overall rate decrease for many customers moving from Rate 19 to
 11 12 13 14 15 16 17 18 19 	Q.	In this case, PacifiCorp witness Mr. Griffith proposes movement of all customers from these two rate schedules and elimination of the frozen schedules. Do you support this proposal? Because of the rate impacts to some customers, we do not support elimination of the frozen schedules at this time. We do support moving all customers who benefit from the move now to the applicable rate schedules identified by Mr. Griffith and to continue the movement of such customers on an ongoing basis as was done with Rate 5 customers. Mr. Griffith identified an overall rate decrease for many customers moving from Rate 19 to applicable rate schedules and we support this movement. We note that at least one

1		others. We recommend allowing customers to remain until movement to another rate
2		would be beneficial or cause a reasonable increase, for example, an increase in line with
3		general inflation.
4	Q.	The rate impact for some customers moving from Rate 19 or 21 is staggeringly high;
5		can something be done today to facilitate the smooth movement of all customers from
6		these frozen rate schedules at a later date?
7	A.	Yes, we can change the rate design. We propose increasing the demand charge in Rate 19
8		from \$0.67 per kW to \$3.00 per kW and decreasing the energy charge from 7.1837 cents
9		per kilowatt-hour to 5.54 cents per kilowatt-hour. Both of these proposed rates are less
10		than the average unit costs produced for this schedule in the Division's class cost-of-
11		service study and are therefore reasonable rates to facilitate movement of low load factor
12		customers from Rate 19 to other applicable rates. Absent some change in this rate, it may
13		never be beneficial or produce reasonable impacts to move certain customers from this
14		schedule. Similarly, we propose an increase in the demand charge for Rate 21 from \$0.60
15		per kW to \$1.50 per kW and in the energy charge from a declining block rate at various
16		rates to a flat rate of 5.7510 cents per kilowatt-hour. This combination of rate element
17		changes produces a minimum of impact to existing Rate 21 customers though one
18		customer would still incur an impact of nearly 18%. These rate changes are shown and
19		highlighted in bold in Exhibit No. DPU 8.8 pages 21 through 23.
20	Q.	PacifiCorp proposes to impose a 50 MW limit for eligibility to take service on

1		General Service Rate 9. Does the Division support this proposal?
2	A.	No. We are not persuaded by PacifiCorp's arguments that larger customers could cause
3		adverse impacts to existing customers. In addition, we propose a new rate for customers
4		taking delivery at 138 kV. I developed a rate for this new schedule by comparing the unit
5		costs for the Firm Industrial Contracts with those of Rate 9. Exhibit No. DPU 8.9 shows
6		this rate and its derivation. I propose a monthly customer charge equal to Rate 9 of
7		\$98.29, a demand charge of \$5.19 per kW and an energy charge of 1.9391 cents per
8		kilowatt-hour.
9		CUSTOMER CHARGE
9 10	Q.	CUSTOMER CHARGE What is the basis for the customer charge changes?
9 10 11	Q. A.	CUSTOMER CHARGE What is the basis for the customer charge changes? Our proposed customer charge changes are based on our goal of sending appropriate price
9 10 11 12	Q. A.	CUSTOMER CHARGE What is the basis for the customer charge changes? Our proposed customer charge changes are based on our goal of sending appropriate price signals for the time of day rate options. The Company has provided no compelling
9 10 11 12 13	Q. A.	CUSTOMER CHARGE What is the basis for the customer charge changes? Our proposed customer charge changes are based on our goal of sending appropriate price signals for the time of day rate options. The Company has provided no compelling evidence that the customer cost to serve customers on the general rate schedules versus the
 9 10 11 12 13 14 	Q. A.	CUSTOMER CHARGE What is the basis for the customer charge changes? Our proposed customer charge changes are based on our goal of sending appropriate price signals for the time of day rate options. The Company has provided no compelling evidence that the customer cost to serve customers on the general rate schedules versus the time of day rate options is materially different. Further, only seven customers have elected
 9 10 11 12 13 14 15 	Q. A.	CUSTOMER CHARGE What is the basis for the customer charge changes? Our proposed customer charge changes are based on our goal of sending appropriate price signals for the time of day rate options. The Company has provided no compelling evidence that the customer cost to serve customers on the general rate schedules versus the time of day rate options is materially different. Further, only seven customers have elected the Residential Rate 2 Time of Day option and no customers have elected the Small
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18 We recommend that in the future, PacifiCorp report the costs to serve customers on all

1		time of day rate options separately in its class cost-of-service study. Currently, these costs
2		appear to be averaged with the other customers in that class, and hence our
3		recommendation that pricing be consistent between the main and optional rates. However,
4		if a cost difference exists, individual reporting will allow us to view whether these
5		schedules are recovering their costs.
6	Q.	Did the Division do any rate impact analysis?
7	A.	Yes. Exhibit DPU 8.10 shows the impacts to Rate 23 customers of our proposal to flatten
8		that rate. Division witness Dr. Compton also provides impact analysis of our rate design
9		proposal for Residential Rate 1 in Exhibit No. DPU 12.2.
10	Q.	Does this conclude your direct testimony?
11	A.	Yes.