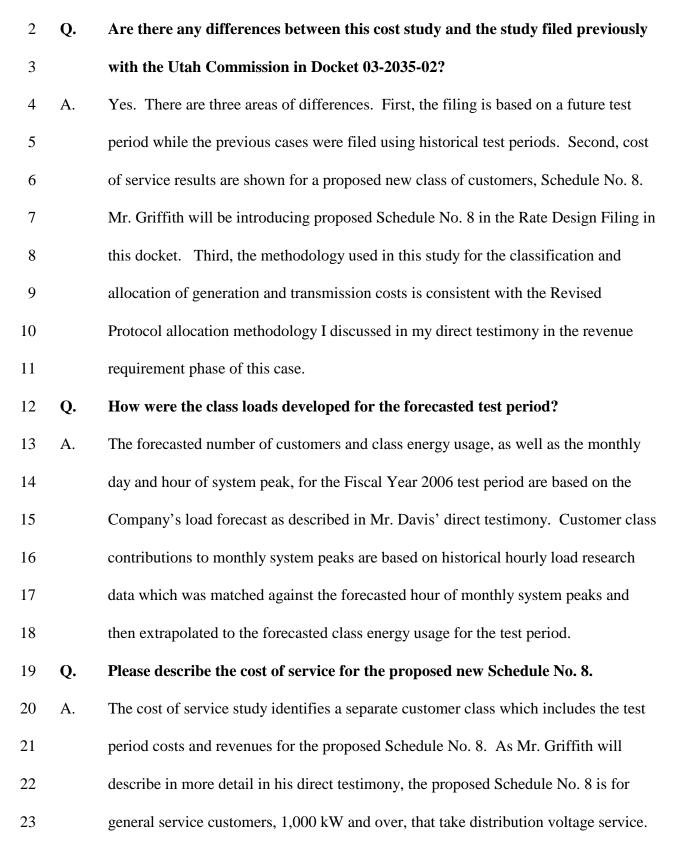
1	Q.	Are you the same David L. Taylor that presented direct testimony in the revenue
2		requirement portion of this case?
3	A.	Yes, I am.
4	Purp	ose of Testimony
5	Q.	What is the purpose of this portion of your testimony?
6	A.	I will present PacifiCorp's functionalized Class Cost of Service Study based on
7		twelve month future test period ending March 31, 2006. This future test year
8		corresponds with the Company's Fiscal Year 2006 (FY06). I will also describe any
9		differences between this cost study and the studies filed previously with the Utah
10		Commission.
11	Sum	mary of Results
12	Q.	Please identify Exhibit UP&L (DLT-6) and explain what it shows.
13	A.	Exhibit UP&L (DLT-6) is the summary table from PacifiCorp's Fiscal Year 2006
14		Class Cost of Service Study for the State of Utah. It is based on PacifiCorp's annual
15		results of operations for the State of Utah presented in the testimony of Mr. Weston.
16		It summarizes, both by customer group and by function, the results of the Fiscal Year
17		2006 cost study. Page 1 presents results at the Company's March 2006 Rate of
18		Return assuming current rate levels. Page 2 shows the results using the return
19		provided by the \$111 million requested price increase.
20	Q.	Please identify Exhibit UP&L (DLT-7) and explain what it shows.
21	A.	Exhibit UP&L (DLT-7) shows the cost of service results in more detail by class
22		and by function. Page 1 summarizes the total cost of service summary by class and
23		pages 2 through 6 contain a summary by class for each major function.

Page 1 - Direct Testimony of David L. Taylor (Cost of Service)

1 Changes in Cost of Service Study



Page 2 - Direct Testimony of David L. Taylor (Cost of Service)

1		These customers were previously served under Schedule No. 6. The forecasted test
2		year customers, energy usage, and contributions to Company peaks for the new
3		schedule were identified and separated from the remaining Schedule No. 6 customers.
4	Revis	ed Protocol
5	Q.	How has the Revised Protocol methodology impacted the Cost of Service Study?
6	A.	The Revised Protocol methodology identifies four categories of Resources: Seasonal
7		Resources, Regional Resources, State Resources, and System Resources.
8		Additionally, the Revised Protocol uses three Embedded Cost Differential
9		Adjustments. Only the seasonally weighted allocation of the Seasonal Resources and
10		the Embedded Cost Differential Adjustments have an impact on the class COS study.
11	Q.	Is the classification of seasonal resources different from that of other resources?
12	A.	No. All resources are classified as 75 percent Demand and 25 percent Energy.
13	Q.	How are seasonal resources allocated differently from other resources?
14	A.	The allocation methodology for seasonal resources was described in the revenue
15		requirement portion of my testimony. The seasonal weightings for class allocations
16		work the same way as I described for states in the revenue requirement portion of my
17		testimony.
18	Q.	How are the Embedded Cost Differential Adjustments allocated to the customer
19		classes?
20	A.	The Embedded Cost Differential Adjustments, both costs and credits, are allocated on
21		Factor 10 (75% Demand and 25% Energy), the same basis as the underlying costs of
22		the resources.

Page 3 - Direct Testimony of David L. Taylor (Cost of Service)

1	Q.	Please identify Exhibit UP&L (DLT-8) and explain what it shows.
2	A.	As agreed to in the Stipulation on scheduling and test period issues filed on July
3		30, 2004, this exhibit provides informational cost of service results using
4		previously adopted methods. Page one of Exhibit UP&L (DLT-8) shows the
5		cost of service results calculated using the Utah Fiscal Year 2006 Results of
6		Operations under the rolled-in jurisdictional allocation method and using the cost
7		of service methodology used in previous cases. As required in the Stipulation,
8		page two of this exhibit shows the rolled-in cost of service results multiplied by
9		101.5 percent.
10	Desc	ription of Procedures
11	Q.	Please explain how the Cost of Service Study was developed.
12	A.	Using the March 2006 annual results of operations for the State of Utah filed by
13		Mr. Weston, the study employs a three-step process generally referred to as
14		functionalization, classification, and allocation. These three steps recognize the
15		way a utility provides electrical service and assigns cost responsibility to the
16		groups of customers for whom those costs were incurred.
17	Q.	Please describe functionalization and how it is employed in the Cost of
18		Service Study.
19	A.	Functionalization is the process of separating expenses and rate base items
20		according to utility function. The production function consists of the costs
21		associated with power generation, including coal mining, and wholesale
22		purchases. The transmission function includes the costs associated with the high
23		voltage system utilized for the bulk transmission of power from the generation

Page 4 - Direct Testimony of David L. Taylor (Cost of Service)

1		source and interconnected utilities to the load centers. The distribution function
2		includes the costs associated with all the facilities that are necessary to connect
3		individual customers to the transmission system. This includes distribution
4		substations, poles and wires, line transformers, service drops and meters. The
5		retail services function includes the costs of meter reading, billing, collections and
6		customer service. The miscellaneous function includes costs associated with
7		Demand Side Management, franchise taxes, regulatory expenses, and other
8		miscellaneous expenses.
9	Q.	Describe classification and explain how PacifiCorp uses it in the cost of
10		service study.
11	A.	Classification identifies the component of utility service being provided. The
12		Company provides, and customers purchase, service that includes at least three
13		different components; demand-related, energy-related, and customer-related.
14		Demand-related costs are incurred by the Company to meet the maximum demand
15		imposed on generating units, transmission lines, and distribution facilities.
16		Energy-related costs vary with the output of a kWh of electricity. Customer-
17		related costs are driven by the number of customers served.
18	Q.	How does PacifiCorp determine cost responsibility between customer
19		groups?
20	A.	After the costs have been functionalized and classified, the next step is to allocate
21		them among the customer classes. This is achieved by the use of allocation
22		factors that specify each class' share of a particular cost driver such as system
23		peak demand, energy consumed, or number of customers. The appropriate

Page 5 - Direct Testimony of David L. Taylor (Cost of Service)

	allocation factor is then applied to the respective cost element to determine each
	class' share of cost. A detailed description of PacifiCorp's functionalization,
	classification and allocation procedures and the supporting calculations for the
	allocation factors are contained in my workpapers.
Q.	How are generation and transmission costs apportioned among customer
	classes?
A.	Production and transmission plant and non-fuel related expenses are classified as
	75 percent demand related and 25 percent energy-related. For non-seasonal
	resources, the demand-related portion is allocated using 12 monthly peaks
	coincident with the PacifiCorp system firm peak. The energy portion is allocated
	using class MWhs adjusted for losses to generation level. As previously
	discussed, for Seasonal Resources the process is very similar. The only difference
	is that prior to summing each class' twelve monthly Coincident Peaks or monthly
	energy usage, the monthly values are weighted by the monthly portion of the total
	annual energy generated or delivered to PacifiCorp by the Seasonal Resource.
Q.	Are distribution costs determined using the same methodology?
A.	No. Distribution costs are classified as either demand related or customer related.
	In this study only meters and services are considered as customer related with all
	other costs considered demand related. Distribution substations and primary lines
	are allocated using the weighted monthly coincident distribution peaks.
	Distribution line transformers and secondary lines are allocated using the
	weighted NCP method. Services costs are allocated to secondary voltage delivery
	customers only. The allocation factor is developed using the installed cost of new
	А. Q.

Page 6 - Direct Testimony of David L. Taylor (Cost of Service)

1		services for different types of customers. Meter costs are allocated to all
2		customers. The meter allocation factor is developed using the installed costs of
3		new metering equipment for different types of customers.
4	Q.	Please explain how customer accounting, customer service, and sales
5		expenses are allocated.
6	A.	Customer accounting expenses are allocated to classes using weighted customer
7		factors. The weightings reflect the resources required to perform such activities as
8		meter reading, billing, and collections for different types of customers. Customer
9		service expenses are allocated on the number of customers in each class.
10	Q.	How are administrative & general expenses, general plant and intangible
11		plant allocated by PacifiCorp?
12	A.	Most general plant, intangible plant, and administrative and general expenses are
13		functionalized and allocated to classes based on generation, transmission, and
14		distribution plant. Employee pensions and benefits have been assigned to
15		functions and classes on the basis of labor. Costs that have been identified as
16		supporting customer systems are considered part of the retail services function and
17		have been allocated using customer factors. Coal mine plant is allocated on the
18		energy factor.
19	Q.	Are costs and revenues associated with wholesale and non-tariff contracts
20		included in the cost of service study?
21	A.	No costs are assigned to wholesale contracts. The revenues from these
22		transactions are treated as revenue credits and are allocated to customer groups
23		using appropriate allocation factors. Other electric revenues are also treated as

Page 7 - Direct Testimony of David L. Taylor (Cost of Service)

1		revenue credits. Revenue credits reduce the revenue requirement that is to be
2		collected from firm retail customers.
3	Speci	al Contracts
4	Q.	Have you included cost of service results for the Utah special contracts?
5	A.	Yes. Consistent with both the treatment in the last case and the Revised Protocol,
6		the loads and revenues associated with service to special contract customers are
7		included as part of the jurisdictional allocation and included in the revenue
8		requirement. The loads and revenues for the special contract customers, with the
9		exception of partial requirements service, are also included in the Cost of Service
10		Study.
11	Q.	How does the study treat the economic curtailments associated with the
12		service to US Magnesium?
13	A.	During the base test period (12 months ending March 2004) US Magnesium was
14		subject to economic curtailment during the months of June through September.
15		The current contract between US Magnesium and PacifiCorp expires December
16		31, 2004. On a going-forward basis, any curtailment provisions are contingent on
17		the new contract approved by the Utah Commission. Since any changes to the
18		contract are unknown at this time, the Cost of Service Study and the Revenue
19		Requirement calculations are based on the current contract provisions. The
20		current treatment is that US Magnesium's contributions to system peak and
21		energy consumption during the June through September curtailment periods are
22		removed from the study. Additionally, any buy through purchased power costs
23		and the corresponding revenue during the economic curtailment periods are also

Page 8 - Direct Testimony of David L. Taylor (Cost of Service)

2	Partial Requirements Service	
3	Q.	Does the Cost of Service Study include results for partial requirements or
4		back-up service customers?
5	A.	No. Cost of service results were not calculated for customers taking partial
6		requirements or back-up service customers. This includes one special contract
7		customer and customers taking service on Schedule No. 31.
8	Q.	Why are these customers removed from the cost of service study?
9	A.	Partial requirements or back-up service customers are not included in the
10		embedded cost of service study because they do not lend themselves well to this
11		type of analysis. These customers usually have very sporadic loads from year to
12		year producing volatile cost of service results depending on whether or not service
13		is required during the hour of monthly system peak. It is the Company's practice
14		to derive prices for this type of service from the prices and costs for full
15		requirements service.
16	Work Papers	
17	Q.	Have you included your workpapers?
18	A.	Yes. Work papers showing the complete functionalized results of operations and
19		class cost of service detail are included as Exhibit UP&L (DLT-9). Also
20		included in the workpapers is a detailed narrative describing the Company's
21		functionalization, classification and allocation procedures.
22	Q.	Does this conclude your testimony?

A. Yes it does.