#### Before the South Dakota Public Utilities Commission State of South Dakota

In the Matter of the Application of Otter Tail Power Company For Authority to Increase Rates for Electric Utility Service in South Dakota

Docket No. EL25-

Exhibit\_\_\_\_

#### ALLOCATORS

Direct Testimony and Schedules of

### ANNALISE M. SMITH

June 4, 2025

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### **ATTACHED SCHEDULES**

Schedule 1 – Witness Resume/Bio

Schedule 2 – Cost Allocations Procedures Manual (Redline and Clean)

#### **INTRODUCTION AND QUALIFICATIONS** 1 I. 2 PLEASE STATE YOUR NAME AND CURRENT EMPLOYER. Q. 3 A. My Name is Annalise M. Smith. I am employed by Otter Tail Power Company 4 (OTP). 5 PLEASE SUMMARIZE YOUR CURRENT RESPONSIBILITIES. 6 Q. 7 I am the Supervisor of Load Research and Customer Data Analysis. My A. 8 responsibilities in this position are to lead the load research and customer data 9 analysis team responsible for the calculation of jurisdictional and class cost 10 allocation factors, statistical analysis of load research data, and calculation of 11 billing determinants. 12 13 Q. HAVE YOU INCLUDED AN ATTACHMENT OF YOUR QUALIFICATIONS AND 14 **EXPERIENCE?** Yes. A summary of my qualifications and experience is included as Exhibit \_\_\_\_\_ 15 A. 16 (AMS-1), Schedule 1. II. PURPOSE AND OVERVIEW OF DIRECT TESTIMONY 17 18 Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY? 19 A. My Direct Testimony describes the development of jurisdictional allocation factors 20 used in the Jurisdictional Cost of Service Study (JCOSS) sponsored by OTP witness

- 21 Ms. Christy L. Petersen and the class allocation factors used in the Class Cost of
- Service Study (CCOSS) sponsored by OTP witness Ms. Amber M. Grenier.
- 24 Q. PLEASE PROVIDE A BRIEF OVERVIEW OF YOUR DIRECT TESTIMONY.
- A. OTP calculates its jurisdictional and class allocation factors to accurately capture
   jurisdictional and class relative shares of system usage, and therefore these factors
- 27 provide a reasonable basis for allocating costs between jurisdictions and classes.
- 28
- 29 Q. HOW IS YOUR DIRECT TESTIMONY ORGANIZED?
- 30 A. In Section III, I discuss jurisdictional and class allocation factors.

1	III.	JURISDICTIONAL AND CLASS ALLOCATORS
2	Q.	WHAT IS THE PURPOSE OF THIS SECTION OF YOUR DIRECT TESTIMONY?
3	A.	In this section of my Direct Testimony, I introduce and discuss the allocation
4		factors OTP uses in its jurisdictional and class cost of service studies.
5		
6	Q.	WHAT IS THE ROLE OF JURISDICTIONAL AND CLASS ALLOCATORS IN THE
7		RATEMAKING PROCESS?
8	А.	Jurisdictional allocators are used to allocate system costs among jurisdictions and
9		class allocators are used to allocate jurisdictional costs among customer classes.
10		
11	Q.	WHY ARE JURISDICTIONAL AND CLASS ALLOCATORS NECESSARY?
12	А.	OTP operates an integrated electrical system that serves customers across multiple
13		jurisdictions. This integrated system design takes advantage of economies of scale
14		to provide least-cost energy solutions for all our customers. Because OTP operates
15		as one system, costs of investment in the system and the expenses necessary to
16		operate the system need to be allocated among the jurisdictions. Costs allocated to
17		each jurisdiction need to be further allocated to customer classes in order to design
18		rates.
19		
20	Q.	HOW DO THESE ALLOCATIONS OCCUR?
21	А.	OTP uses the JCOSS to allocate system costs and revenues to the jurisdictions in
22		which it provides service, as described in more detail by Ms. Petersen. OTP then
23		uses the CCOSS to allocate jurisdictional costs and revenues to the customer
24		classes within each jurisdiction, as described in more detail by Ms. Grenier.
25	0	
26	Q.	Table 1 below identifies the main ellegators used in the 2024 Test Year ICOSS and
21	А.	COSS The OTE Cost Allocation Pressdures Manual (CADM) included as
∠ð 20		Explicit (AMS 1) Schedule 2 provides additional detail recording the
29 20		development of each allocator
30		development of each anocator.
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JCOSS CCOSS **Cost Function** Classification Allocator Allocator **Base Demand** E1E1-E8760 Production Peak Demand D1 D1 Plant E2-E8760 Base Energy (Wind) E2 Transmission Demand-Related D2 D2 Plant Demand-Related (Primary) D3 D3 Demand-Related (Secondary) D4 D4 Customer-Related (Primary) C2 C2 Customer-Related (Secondary) C3 C3 Distribution Plant C4 Street Lighting C4 Area Lighting C5C5 Meters C6 C6 Load Management C9 C9 HAS OTP CHANGED THE CAPM SINCE ITS LAST SOUTH DAKOTA RATE Q. CASE? Yes. OTP has added a new allocator and refined the calculation of some allocators. A. We also have included minor clarifications and formatting updates since OTP's last South Dakota rate case in 2018. Schedule 2, identifies, in redline, the CAPM content changes from the CAPM presented in OTP's last South Dakota rate case. Q. DID OTP USE THESE SAME ALLOCATORS IN ITS LAST SOUTH DAKOTA RATE CASE? A. Yes, for the most part. We used the same energy, demand, and customer allocation factors outlined in the CAPM for cost allocations as we did in our last South Dakota rate case, except for the addition of a demand allocator (D5) for both the JCOSS and CCOSS. We are also proposing certain refinements to how we calculate the D1, D2, D3, D4, E1-E8760, and E2-E8760 allocators. PLEASE DESCRIBE HOW THE D5 ALLOCATION FACTOR WAS CALCULATED. Q. The calculation for the D5 allocator is based on contribution to OTP's average A. monthly three-hour transmission peak demand. Peak demand for each month is selected from a twelve-month coincident peak (12CP). The three hours include the peak hour, the hour prior to the peak hour, and the hour after the peak hour. This

Table 1 JCOSS and CCOSS Allocators allocator is proposed to be used to allocate certain transmission-related costs as described in more detail in Ms. Grenier's testimony.

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### Q. PLEASE DISCUSS THE CHANGES TO THE PROCESS OF CALCULATING THE D1 AND D2 ALLOCATION FACTORS.

- 6 The calculation for D1 and D2 uses an annual six-hour average on OTP's peak day. A. Previously, those six-hours were fixed and included hours ending 9:00, 10:00, and 7 8 11:00 a.m., and 6:00, 7:00, and 8:00 p.m. OTP has changed the calculation to make 9 those six hours flexible, allowing OTP to use the hours surrounding the peak hours in the calculation. The hours included in the calculation are the morning peak 10 11 hour, the hour prior to the morning peak hour, the hour after the morning peak 12 hour, the afternoon peak hour, the hour prior to the afternoon peak hour, and the hour after the afternoon peak hour. Additionally, OTP has set the D1 and D2 13 14 allocation factors for the Controlled Service classes to zero kilowatts (kW). Setting these classes to zero kW reflects OTP's ability to completely turn off these loads 15 16 during high priced periods, as well as during OTP's peak. These classes are 17 considered a low-cost resource and prevent OTP from needing to obtain additional 18 capacity.
- 19

# 20Q.PLEASE DISCUSS THE CHANGES TO THE PROCESS OF CALCULATING THE21D3 AND D4 ALLOCATION FACTORS.

- A. OTP has set the water heating load for D3 and D4 allocation factors to zero kW.
  This prevents double counting because the majority of our residential customers
  have their water heater on their residential rate. For instance, an end use survey
  conducted every 3-5 years, consistently shows that the majority of OTP customers
  have electric water heating.
- 27

# 28 Q. PLEASE DISCUSS THE CHANGE TO THE CALCULATION OF THE E1-E8760 29 ALLOCATION FACTOR.

A. Historically, the E1-E8760 allocator was calculated based on applying a 10/24ths
factor to annual kilowatt hours (kWhs) for water heating and deferred loads. We
have refined the calculation to better weigh the avoided capacity costs realized by
those controllable levels of service. The refinement excludes kWhs related to up to
14 hours of control for water heating and deferred loads based on the highest

1 2		priced 14 of 24 hours using forecasted marginal hourly capacity costs. The CAPM further describes the process for the development of this factor.
3	_	
4	Q.	IS OTP MAKING ANY OTHER REFINEMENTS TO THE E1-E8760
5		ALLOCATORS?
6 7	А.	Yes. Historically, the E8/60 factors were calculated using hourly marginal energy
/		Costs. We have refined the calculation to use OIP's nourly day ahead pricing.
0 0		costs. Using the day ahead pricing allows OTP to align the historical embedded
9 10		costs with the historical market costs that the Company incurred
11		costs with the historical market costs that the company mearred.
12	Q.	DOES THIS REFINEMENT APPLY TO BOTH THE E1-E8760 ALLOCATOR AND
13	-	THE E2-E8760 ALLOCATOR?
14	A.	Yes. The refinement applies to the E8760 component of both the E1-E8760
15		allocator and the E2-E8760 allocator.
16		
17	Q.	ARE THE ALLOCATORS USED IN THE CURRENT CASE BASED ON
18		HISTORICAL INFORMATION?
19	A.	Yes. OTP is using a historic 2024 Test Year in this case, and developed the
20		allocation factors based on 2024 actual information, adjusted for the known and
21		measurable changes. This is consistent with the historical Test Year used in OTP's
22		last South Dakota rate case. The process of developing the allocators is described
23		in the CAPM.
24		
25	Q.	WHAT KNOWN AND MEASURABLE CHANGES ARE INCLUDED IN THE
26		CALCULATION OF THE JCOSS AND CCOSS ALLOCATORS?
27	А.	We calculate the JCOSS and CCOSS allocators to incorporate each of the known
28		and measurable sales adjustments discussed by Ms. Grenier in her Direct
29		Testimony.
30	0	
31	Q.	AKE THERE OTHER ADJUSTMENTS TO THE BILLING DETERMINANTS
32 22	•	USED TO CALCULATE JCOSS AND CCOSS ALLOCATION FACTORS?
35 24	А.	this assumption the C6 allocation factor is calculated using AMI meters installed. With
54		uns assumption, the Co anotation factor is calculated using Avit meter costs. Since

1	all meters will be AMI, there will no longer be a meter reading cost, therefore the
2	C7 allocation factor has been set to 0.

3		A. Jurisdictional Allocation Factors
4	Q.	DOES OTP USE THE SAME JURISDICTIONAL ALLOCATION
5		METHODOLOGIES ACROSS ALL OF ITS JURISDICTIONS?
6	А.	Yes. Each of our jurisdictions has approved generally the same jurisdictional cost
7		allocation methodology. However, we are proposing new allocators and
8		refinements in calculations that have not been proposed in other jurisdictions yet.
9		These refinements will be incorporated into other jurisdictions in subsequent rate
10		cases.
11		
12	Q.	IS IT IMPORTANT TO MAINTAIN CONSISTENCY IN JURISDICTIONAL
13		ALLOCATION METHODOLOGIES ACROSS JURISDICTIONS?
14	А.	Yes. Maintaining consistency in cost allocation across jurisdictions helps minimize
15		the potential for any over- or under-recovery of costs from an overall system
16		perspective.
17		
18	Q.	HOW DO THE JCOSS ALLOCATION FACTORS COMPARE TO OTP'S LAST
19		SOUTH DAKOTA RATE CASE?
20	А.	Table 2 below compares the 2024 Test Year JCOSS allocation factors to those used
21		in the 2017 Test Year from OTP's last South Dakota rate case.
22		

1 2	Table 2Comparison of JCOSS Allocation Factors						
				JCOSS	2017 Test	2024 Test	
	Cost	Function	Classification	Allocator	Year	Year	Change
	Drad	untion	Base Demand	E1	9.36427%	9.79517%	0.43090%
	Produ	lction	Peak Demand	D1	9.24181%	10.76217%	1.52036%
	Flant		Base Energy (Wind)	E2	9.04493%	9.57047%	0.52554%
	Trans Plant	mission	Demand-Related	D2	9.18743%	10.69440%	1.50697%
			Demand-Related (Primary)	D3	9.82667%	12.60509%	2.77842%
			Demand-Related (Secondary)	D4	10.16694%	10.86462%	0.69768%
			Customer-Related (Primary)	C2	8.71355%	8.93027%	0.21672%
	Distri	bution	Customer-Related (Secondary)	C3	8.71153%	8.92835%	0.21682%
	Plant		Street Lighting	C4	11.02573%	7.29629%	-3.72944%
			Area Lighting	C5	6.57469%	7.87004%	1.29535%
			Meters	C6	9.16243%	9.31656%	0.15413%
3			Load Management	C9	9.65983%	9.63518%	-0.02465%
5 6 7 8 9 10	Q. A.	WHAT D3 JCC The inc growth by OTP	IS CONTRIBUTING TO THE OSS ALLOCATION FACTORS rease in the JCOSS D1, D2, an in OTP's South Dakota dema ), primarily stemming from th	GENERAL ? nd D3 allocat nd (as comp he Large Gen	INCREASE tion factors ared to oth neral Servic	is the result er jurisdicti e (LGS) cla	l, D2, AND t of relative ons served ss.
11	Q.	WHAT	WHAT IS CONTRIBUTING TO THE GENERAL INCREASE IN THE C5 JCOSS				
12	٨	The inc	ATION FACTORS:	tion factors	ia duo to t	he conversion	on of light
13	А.		The increase in the JCOSS C5 allocation factors is due to the conversion of light				
14			g diode (LED) lighting. This is	ictor is based		taned cost o	or the street
15		lighting	g. South Dakota's LED lighting	g for street li	ghting has	grown since	e OTP's last
16		South I	Dakota rate case (as comparec	l to other jui	risdictions s	served by O	TP).
17							
18	Q.	WHAT	IS CONTRIBUTING TO THI	E GENERAI	DECREAS	SE IN THE	C4 JCOSS
19		ALLOC	ATION FACTORS?				
20	A.	The dec	crease in the JCOSS C4 alloca	tion factors	is a result o	of South Da	kota's LED
21		lighting	conversion. This factor is bas	sed on the in	stalled cost	t of area ligh	nting. LED
22		lighting	, for area lighting in South Da	kota has gro	wn since O'	TP's last So	uth Dakota
23		rate ca	se, however, when compared	d to other j	urisdiction	s served by	OTP, the

growth is not as substantial. Therefore, we are seeing a decrease in the JCOSS C4
 allocation factor.

### 3 **B.** Class Allocation Factors

- 4 Q. HOW DO THE CCOSS ALLOCATION FACTORS COMPARE TO OTP'S LAST
  5 SOUTH DAKOTA RATE CASE?
- A. Table 3 below shows the differences between the 2024 Test Year CCOSS allocation
  factors and those used in the 2017 Test Year from OTP's last South Dakota rate
  case.
- 9

				Large
			General	General
Class Allocator	Residential	Farm	Service	Service
Generation Demand (D1)	-4.4743%	- <b>0.4741</b> %	-4.0220%	10.7368%
Transmission Demand (D2)	-4.4743%	-0.4741%	-4.0220%	10.7368%
Primary Demand (D3)	-3.8600%	-1.0049%	-6.8282%	18.5022%
Secondary Demand (D4)	-2.2182%	-0.5042%	-2.0545%	13.0862%
12CP Demand (D5)				
Energy (E1-8760)	-4.5023%	-0.4480%	-3.1526%	8.9755%
Energy (E2-8760)	-3.7989%	- <b>0.3835</b> %	-2.4518%	9.9542%
Total Retail Customers (C1)	0.0784%	- <b>0.0598</b> %	0.1220%	0.2095%
Retail Service Locations (C2)	0.9566%	- <b>0</b> .3541%	-0.7058%	0.3741%
Secondary Service Locations (C3)	0.9387%	-0.3550%	-0.6866%	0.3658%
Street Lighting (C4)	0.0000%	0.0000%	0.0000%	0.0000%
Area Lighting (C5)	0.0000%	0.0000%	0.0000%	0.0000%
Meter (C6)	11.1250%	0.0799%	-11.3853%	1.4636%
Meter Reading (C7)				
System Service Locations (C8)	0.9566%	- <b>0</b> .3541%	-0.7058%	0.3741%
Load Management (C9)	-0.5349%	0.0047%	- <b>0.0226</b> %	0.0002%
		Controlled	Controlled	Controlled
	Outdoor	Service	Service	Service
Class Allocator	Lighting	Deferred	Interuptible	Off-Peak
	Lighting	Deletted		
Generation Demand (D1)	-0.2365%	-0.1073%	-1.1455%	-0.2771%
Generation Demand (D1) Fransmission Demand (D2)	-0.2365% -0.2365%	-0.1073% -0.1073%	-1.1455% -1.1455%	-0.2771% -0.2771%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3)	-0.2365% -0.2365% -0.2473%	-0.1073% -0.1073% -0.5199%	-1.1455% -1.1455% -3.1400%	-0.2771% -0.2771% -2.9019%
Generation Demand (D1) Fransmission Demand (D2) Primary Demand (D3) Secondary Demand (D4)	-0.2365% -0.2365% -0.2473% -0.0320%	-0.1073% -0.1073% -0.5199% -3.6652%	-1.1455% -1.1455% -3.1400% -1.2638%	-0.2771% -0.2771% -2.9019% -3.3482%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5)	-0.2365% -0.2365% -0.2473% -0.0320%	-0.1073% -0.1073% -0.5199% -3.6652%	-1.1455% -1.1455% -3.1400% -1.2638%	-0.2771% -0.2771% -2.9019% -3.3482%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Fotal Retail Customers (C1)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Fotal Retail Customers (C1) Retail Service Locations (C2)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Total Retail Customers (C1) Retail Service Locations (C2) Secondary Service Locations (C3)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885% -0.1804%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329% -0.0329%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247% -0.0247%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247% -0.0247%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Fotal Retail Customers (C1) Retail Service Locations (C2) Secondary Service Locations (C3) Street Lighting (C4)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885% -0.1804% 0.0000%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329% -0.0329% 0.0000%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247% 0.0247% 0.00247%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247% -0.0247% 0.0000%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Total Retail Customers (C1) Retail Service Locations (C2) Secondary Service Locations (C3) Street Lighting (C4) Area Lighting (C5)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885% -0.1804% 0.0000% 0.0000%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329% 0.00329% 0.0000% 0.0000%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247% 0.00247% 0.0000% 0.0000%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247% 0.00247% 0.0000% 0.0000%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Fotal Retail Customers (C1) Retail Service Locations (C2) Secondary Service Locations (C3) Street Lighting (C4) Area Lighting (C5) Meter (C6)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885% -0.1804% 0.0000% 0.0000% -0.2169%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329% -0.0329% 0.0000% 0.0000% 0.6318%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247% 0.00247% 0.0000% 0.0000% 0.2253%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247% 0.00247% 0.0000% -1.9234%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Total Retail Customers (C1) Retail Service Locations (C2) Secondary Service Locations (C3) Street Lighting (C4) Area Lighting (C5) Meter (C6) Meter Reading (C7)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885% -0.1804% 0.0000% 0.0000% -0.2169%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329% -0.0329% 0.0000% 0.0000% 0.6318%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247% 0.00247% 0.00247% 0.0000% 0.2253%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247% 0.00247% 0.0000% -1.9234%
Generation Demand (D1) Transmission Demand (D2) Primary Demand (D3) Secondary Demand (D4) 12CP Demand (D5) Energy (E1-8760) Energy (E2-8760) Fotal Retail Customers (C1) Retail Service Locations (C2) Secondary Service Locations (C3) Street Lighting (C4) Area Lighting (C5) Meter (C6) Meter Reading (C7) System Service Locations (C8)	-0.2365% -0.2365% -0.2473% -0.0320% -0.3653% -0.3234% 0.0983% -0.1885% -0.1804% 0.0000% -0.1804% 0.0000% -0.2169% -0.1885%	-0.1073% -0.1073% -0.5199% -3.6652% -0.0937% 0.2051% -0.1035% -0.0329% -0.0329% 0.0000% 0.0000% 0.6318% -0.0329%	-1.1455% -1.1455% -3.1400% -1.2638% 0.0000% -2.1895% -0.2501% -0.0247% 0.00247% 0.0000% 0.2253% -0.0247%	-0.2771% -0.2771% -2.9019% -3.3482% -0.4137% -1.0122% -0.0949% -0.0247% 0.00247% 0.0000% -1.9234% -0.0247%

### Table 3Change in CCOSS Allocation Factors

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1	Q.	DO YOU HAVE ANY PRELIMINARY OBSERVATIONS REGARDING TABLE 4?

2 A. Yes. OTP has reorganized the rate schedules that comprise the controlled services 3 classes (Controlled Service, Controlled Service Deferred, and Controlled Service 4 Interruptible) since its last South Dakota rate case, so the values for those classes 5 in the table above are not directly comparable to those in the previous case. We condensed customer classes with Irrigation moving into Farm and OPA moving 6 7 into General Service. Ms. Grenier discusses these issues in more detail in her Direct 8 Testimony. Additionally, there is not a direct comparison for the D5 and C7 9 allocators as the D5 allocator is new and we have set the C7 allocator to zero, as 10 discussed above.

- Q. WHAT IS CONTRIBUTING TO THE GENERAL INCREASE IN THE D1, D2, D3,
   AND D4 CCOSS ALLOCATION FACTORS FOR THE LARGE GENERAL SERVICE
   CLASS?
- A. The primary contributor to the increase in the D1, D2, D3, and D4 allocation
  factors for the LGS class is the addition of new large customers or growth by
  existing customers within that class. The LGS class is now significantly larger (by
  demand) than it was during our last South Dakota rate case and therefore has a
  larger share of the D1, D2, D3, and D4 allocators.
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- Q. WHAT IS CONTRIBUTING TO THE GENERAL INCREASE IN THE E1-E8760
   AND E2-E8760 CCOSS ALLOCATION FACTORS FOR THE LARGE GENERAL
   SERVICE CLASS?
- A. Again, this is a reflection of the growth of the LGS class since our last South Dakota
  rate case. The LGS class is now significantly larger (by sales volume) than it was
  during our last South Dakota rate case and therefore has a larger share of the E1E8760 and E2-E8760 allocators.
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## Q. WHAT IS CONTRIBUTING TO THE GENERAL INCREASE IN THE C6 CCOSS ALLOCATION FACTORS FOR THE RESIDENTIAL CLASS?

A. The primary contributor to the increase in the C6 allocation factor for the
Residential class is that this class saw a larger percentage increase in the meter
costs as compared to other classes. There are some rates that saw a decrease in
meter costs, so this would be another contributing factor.

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- 1 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?
- 2 A. Yes, it does.