

June 29, 2018

Island Regulatory and Appeals Commission  
PO Box 577  
Charlottetown PE C1A 7L1



*hand delivered  
3pm Jec*

Dear Commissioners:

**2017 Cost Allocation Study**

Under Order UE16-04, Maritime Electric Company, Limited was directed by the Island Regulatory and Appeals Commission to file with the Commission an updated Cost Allocation Study based on financial results ending on December 31, 2017. Please find attached a copy of Maritime Electric's 2017 Cost Allocation Study. The Company retained the services of Chymko Consulting Limited to provide a technical update to the 2014 Cost Allocation Study. The study was based on Maritime Electric's Statement of Earnings for the twelve months ending on December 31, 2017 as well as recommendations from the Point Lepreau Cost Allocation Classification Study filed on April 27, 2017 with the Commission.

The 2017 Cost Allocation Study followed the same three step methodology as previous Cost Allocation Studies with respect to functionalizing revenue requirement, classification, and allocation of expenses to the different rate classes. The functionalized revenue requirement was \$182.6 million and is summarized in Table 1 below:

<b>Table 1</b>	
<b>Functionalized Revenue Requirement (\$ million)</b>	
Power Supply Costs	\$126.1
Transmission Costs	\$12.3
Distribution Costs	\$33.2
Services and Metering Costs	\$9.1
Customer Care Costs	\$1.2
Lighting Costs	\$0.7
<b>Total Functionalized Revenue Requirement</b>	<b>\$182.6</b>

The above functionalized revenue requirement was then classified as demand, energy or site related based on cost drivers that are measured in terms of how customers use the system. Table 2 includes a comparison of the ratio of demand, energy and site related revenue requirement in the 2014 and 2017 Cost Allocation Studies. The difference is primarily due to the impact of the reclassification of Point Lepreau costs from demand related costs to energy related as recommended in the Point Lepreau Allocation Classification Study.

<b>Table 2</b>				
<b>Classified Revenue Requirement</b>				
	<b>Demand</b>	<b>Energy</b>	<b>Site</b>	<b>Total</b>
2017 Revenue Requirement	32%	55%	14%	100%
2014 Revenue Requirement	37%	50%	13%	100%

The revenue to cost ("RTC") ratios, which compares the revenue collected from each rate class with the allocated cost of providing service to each rate class, are consistent with the 2014 Cost Allocation Study with the exception of Small Industrial, Large Industrial and Lights. Table 3 includes a comparison of the RTCs for each Rate Classification from the 2008, 2014 and 2017 Cost Allocation Studies.

<b>Table 3</b>			
<b>Comparison of Revenue to Cost ("RTC") Ratios</b>			
<b>Rate Classification</b>	<b>2017 RTC</b>	<b>2014 RTC</b>	<b>2008 RTC</b>
Residential	91%	92%	91%
Residential (Seasonal)	96%	97%	122%
Farm	82%	81%	N/A
General Service	121%	117%	114%
General Service (Seasonal)	113%	115%	132%
Small Industrial	102%	96%	109%
Large Industrial	94%	100%	86%
Lights	91%	103%	119%
Unmetered	104%	103%	98%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

The change in Small and Large Industrial RTCs from 2014 to 2017 is due in part to the loss of one Large Industrial customer in October 2014 and the migration of three Small Industrial customers to the Large Industrial rate in 2017. In addition, changes to the classification of Point Lepreau costs for demand and energy, as detailed in the Point Lepreau Cost Allocation Classification Study has impacted RTCs for the Industrial rate classes. The reduction in the Lights Classification RTC is attributable to a reduction in both sales and demand for this rate class resulting from the conversion from high pressure sodium streetlights to LED streetlights. What would otherwise result in lower costs allocated to this rate class is offset by increased capital costs associated with the conversion to LED streetlights.

One of the objectives of the cost allocation study is to allocate the costs of providing a service to rate classes on a cost causation basis; therefore, an RTC ratio below or above 100% indicates revenue should be increased or decreased respectively. The Residential rate class has consistently been below 100%, while the General Service rate classes have consistently been above 100%. RTCs between 90% and 110% are considered in the industry to be reasonable in balancing rate class cross subsidization with the rate shock associated with implementing changes. The RTC for the Farm rate class continues to be substantially lower than the recommended industry standard of 90%. Proposals with respect to the cost allocation results and rate design recommendations will be presented in the Company's General Rate Application to be filed later this Fall.

If you have any questions, please do not hesitate to contact me at 902-629-3696.

Yours truly,

MARITIME ELECTRIC



Jason C. Roberts  
Vice President,  
Finance & Chief Financial Officer

JCR36  
Enclosure



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June 26, 2018

Enrique Riveroll  
Maritime Electric Company, Ltd.  
180 Kent Street  
Charlottetown, PE C1A 7N2

Dear Mr. Riveroll

SUBJECT: 2017 Cost Allocation Study

Please find attached the findings of Chymko Consulting's Electric Utility cost allocation study technical update to assist Maritime Electric with its upcoming rate proposal to the Island Regulatory and Appeals Commission.

We appreciate the time and effort of Maritime Electric staff to provide us with the necessary data and information to conduct this study. Should you have any questions or comments on this report, please contact me at (403) 781-7691.

Yours truly,

A handwritten signature in blue ink, appearing to read "M. Turner", is written over the "Yours truly," text.

Michael Turner  
President

cc: Gloria Crockett

Attachment



## 2017 Cost Allocation Study

Maritime Electric

June 26, 2018

[www.chymko.com](http://www.chymko.com)

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# EXECUTIVE SUMMARY

1. Maritime Electric Company Limited (MECL) retained Chymko Consulting Ltd. to update the comprehensive 2014 Cost Allocation Study in support of a future rate proposal to the Island Regulatory and Appeals Commission (IRAC). The following report provides the results of this study, which is based on MECL's 2017 Financial Results for twelve months ending on December 31, 2017.
2. A cost allocation study first functionalizes revenue requirement (in this case, the Statement of Earnings), essentially seeking to attribute the full cost of service to a specific purpose, such as power supply, transmission, distribution network, services and metering, customer care, and lighting. Next, the cost allocation study classifies each function as demand, energy, or site related depending upon how the cost of that function might vary with how end-use customers use the system. Finally, the cost allocation study will allocate the functionalized and classified expenses to rate classes.
3. Table A below summarizes MECL's allocated revenue requirement.

<b>Table A</b>				
<b>Allocated 2017 Net Revenue Requirement from Rates</b>				
	Revenue Collected	Allocated Cost	Revenue to Cost Ratio	2014 Study
Residential	45.9%	50.3%	91.4%	92.0%
Residential (S)	2.4%	2.5%	95.5%	96.9%
Farm	3.8%	4.6%	82.1%	81.3%
General Service	31.9%	26.2%	121.5%	117.2%
General Service (S)	1.0%	0.9%	112.9%	115.1%
Small Industrial	6.4%	6.2%	102.4%	95.9%
Large Industrial	7.2%	7.7%	93.6%	100.1%
Lights	1.3%	1.4%	91.1%	103.0%
Unmetered	0.2%	0.2%	104.3%	103.2%
Total	100.0%	100.0%	100.0%	100.0%

4. Allocated cost is one bookend for a 2019 rate proposal, representing the cost to provide electric utility service for each rate class. If cost causation were the only consideration, for instance, Table A indicates that 2019 rates should seek to recover 50.3 percent of 2019 revenue requirement from the Residential rate class, 2.5 percent from the Seasonal Residential rate class, and so on.
5. Another consideration is how much the rate for each class of customer would have to change to recover allocated cost. By the current revenue to cost ratios shown in Table A above, some rates would need to change significantly. Subject to full consideration of all rate design principles and further analysis of any such change, it may well be that rate rebalancing would need to be implemented gradually over the course of multiple years.

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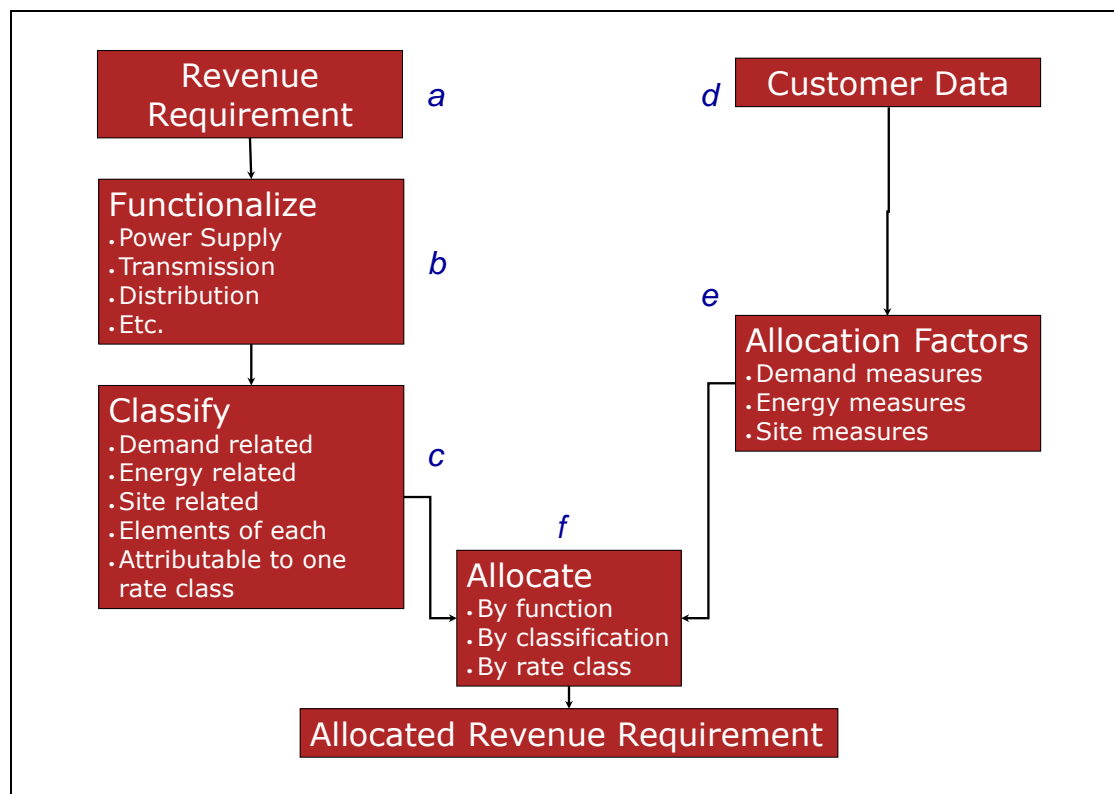
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# 1 INTRODUCTION

6. Maritime Electric Company Limited (MECL) retained Chymko Consulting Ltd. to complete a technical update to the cost allocation study conducted in support of MECL's 2019 rate proposal to the Island Regulatory and Appeals Commission (IRAC). Based on the assumptions discussed in this report, Chymko Consulting's cost allocation study takes as a starting point MECL's Statement of Earnings for twelve months, ending on December 31, 2017. Contained in MECL's December 2017 monthly financial report submitted to IRAC, the Statement of Earnings represents the total cost of providing electric utility service at a rate of return determined by IRAC in Order UE16-04R.
7. A cost allocation study will typically begin with "revenue requirement," which represents the forecast cost of providing electric utility service based on a regulator-approved rate of return. MECL's 2017 Statement of Earnings is similarly based on a rate of return deemed to be in the public interest insofar as it is compliant with Order UE16-04R. Therefore, the principle difference between the Statement of Earnings and revenue requirement is that the Statement of Earnings is calculated after-the-fact and revenue requirement is typically forward-looking. MECL has traditionally filed cost allocation studies based on actual expenses from the previous calendar year, and in using the 2017 Statement of Earnings this study is no different.
8. This study examines the detailed expenses underlying the Statement of Earnings and assigns, attributes, or allocates expenses to each of MECL's rate classes. The fully-allocated 2017 Statement of Earnings by rate class then becomes an important benchmark to inform MECL's anticipated 2019 rate proposal. If the Residential rate class is attributed fifty percent of 2017 expenses, for instance, then this information can serve as a target or objective for designing 2019 Residential rates.
9. The first step of a cost allocation model is to group similar types of expenses that make up revenue requirement into elements of service, or functions. For each function, the user of the cost allocation model must consider:
  - Is the function incurred for the purpose of servicing all rate classes, a sub-set of rate classes, or a single rate class?
  - If the function is attributable to more than one rate class, how might the cost of that function vary depending upon how end-use customers use the distribution system? For example, does the cost vary with peak daily demand changes? Does it vary with the total amount of energy delivered? Does it vary with the number of distribution sites served?
  - How does each rate class contribute to the use of distribution infrastructure? For example, how does each rate class contribute to total peak demand and total energy delivered? How many sites are served in each rate class?
10. In order to answer the above questions, cost allocation studies follow a structured process, which can be explained with the aid of Figure 1 below. Taking revenue requirement (labelled

as a) as a given, the first step is known as functionalization (labelled as b), which begins with attributing each line item in the study by its purpose or function.

**Figure 1: Process of a cost allocation study**



11. The next step in a cost allocation study is called classification (c). The purpose of classification is to determine how each function might vary based on how end-use customers use the system. Sometimes, a function exists solely for the purpose of serving a subset of rate classes, perhaps only a single rate class. However, as long as the function is attributable to more than one rate class, it is necessary to explore further as to whether the expense will vary with peak demand on the system, the amount of energy consumed, or the number of sites served by the system. Thus, each function is classified as demand related, energy related, site-related, or a combination of the three.
12. The final step of a cost allocation study is to allocate the functionalized and classified revenue requirement to rate classes. The choice of allocation factor is to a large degree influenced by the classification of each functionalized detail of revenue requirement. For example, demand related costs are generally allocated by the same proportions as the peak demand of each rate class. Similarly, energy related costs are allocated by the same proportions as energy sales and site related costs are allocated by the relative size of each rate class.



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13. The development of allocation factors starts with the collection of MECL's system load data and billing statistics (d). From this foundation along with any associated load research data, it is possible to calculate allocation factors based on each rate classes' peak demand, energy consumption, and the number of sites per rate class.
  14. As suggested by the overview above, the process of a cost allocation study is relatively uncomplicated given there is agreement upon how a cost is to be functionalized, classified, and allocated. Thus, generally accepted principles and methods have evolved out of a number of years of regulatory experience. Regulated distribution utilities must file cost allocation studies to demonstrate that its tariffs are just and reasonable. Generally accepted methods typically evolve out of the regulatory process, but even these continue to evolve with industry changes and provincial government policy. Furthermore, every utility is different and every utility service area has its own unique characteristics and issues that may justify a different method. Therefore, it is important to justify the rationale for every cost functionalization, classification, and allocation decision, regardless of whether it is a commonly accepted standard or not.

## 2 FUNCTIONALIZATION

15. The starting point for cost allocation is the 2017 MECL Statement of Earnings. This is summarized in Table 1 below.

<b>Table 1<sup>1</sup></b>	
<b>MECL 2017 Statement of Earnings (Revenue Requirement, \$,000)</b>	
Twelve Months ending December 31, 2017	
Operating Expenses	
Energy Costs	118,465
ECAM Adjustment	(2,359)
Net Energy Costs	116,106
Distribution	4,476
Transmission	1,220
Transmission and Distribution - Other	2,056
Transmission - OATT	225
General	9,060
<b>Total Operating Expenses</b>	<b>133,143</b>
Amortization	
Amortization Other	851
Amortization Plant And Equipment	21,373
Total Amortization	22,224
<b>Total Operating Income</b>	<b>155,367</b>
Financing Expenses	
Long-Term Debt	12,065
Short-Term Debt	627
Interest Charged To Construction	(450)
Amortization of Financing Costs	9
<b>Total Financing Expenses</b>	<b>12,252</b>
<b>Earnings before Income Taxes</b>	<b>18,869</b>
<b>Income Taxes</b>	<b>5,941</b>
<b>Net Earnings</b>	<b>12,928</b>
<b>Gross Revenue Requirement</b>	<b>186,488</b>
OATT Revenue	(1,914)
Other Revenue <sup>2</sup>	(1,973)
<b>Net Revenue Requirement</b>	<b>182,601</b>

16. Net earnings identified is equivalent to the allowed return on equity for a prospective revenue requirement. This is because MECL has already adjusted 2017 net earnings to account for the maximum rate of return allowed by the agreement between MECL and the Government of Prince Edward Island.
17. Note that the Statement of Earnings in Table 1 reconciles to MECL's December 2017 IRAC filings, subject to three exceptions: first, the Transmission - OATT revenue line includes external OATT revenue only; second, Pole Revenue is included in other revenue rather than in street light revenue. Finally, although not shown in Table 1, adjustments have been made

<sup>1</sup> Table totals in this report may not reconcile due to rounding.

<sup>2</sup> Inclusive of pole rental revenue.

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to revenue collected from Small Industrial and Large Industrial customers for the purposes of the cost allocation study. The rationale for these adjustments is explained further in Section 5.

## 2.1 METHOD

18. Consistent with the 2014 Cost Allocation Study, Chymko Consulting's current study fully attributes revenue requirement in Table 1 to one of sixteen functions discussed below. For purposes of summary, the sixteen functions are also discussed under six general categories: power supply, transmission, distribution network, services and metering, customer care, and lighting.

### *Power Supply*

- Generation: MECL's Borden and Charlottetown generating facilities, which are typically dispatched for backup purposes.
- Purchased Power: Energy supply purchases from NB Power and PEI Energy Corp, which are typically dispatched for base load and ancillary service requirements.

### *Transmission*

- High-voltage transmission facilities operating at a voltage of 69 kV or greater.

### *Distribution Network*

- Substations: Facilities used to regulate and step-down voltages from transmission facilities to distribution lines.
- Primary Lines: Bulk distribution lines used to deliver energy from substations to localized distribution transformers.
- Transformers: Facilities used to regulate and step-down voltages from primary distribution lines to a voltage more suitable for the end-use consumer.
- Secondary Lines: Local distribution lines operating at a consumer-level voltage that service multiple end-use customers.

### *Services and Metering*

- Service Lines: Local distribution lines operating at a consumer-level voltage that connect the distribution network to the meter of a single, end-use customer.
- Meter Assets: Metering infrastructure used to measure and record energy consumed by each end-use customer.

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- Meter Reading: The process of collecting and processing end-use customer metering data, primarily for the purpose of billing.

### *Customer Care*

- Billing: The process of preparing and delivering invoices to end-use customers for power supply and use of the MECL system.
- Remittance & Collection: The accounts receivable process of collecting and processing end-use customer bill payments.
- Uncollectibles & Damage Claims: Uncollectibles are associated with the cost of outstanding customer invoices (e.g. bad debts), whereas damage claims represent claims against MECL for damage to customers' property.
- Service Connections: Activities related to the connection or re-connection of customers, which may include off-cycle meter reads as well as modifications or additions to secondary lines, service lines, and meters. MECL recovers the cost of these activities under sections O-1 and O-2 of its tariff.
- Late Payments: Penalty revenues associated with consumer accounts in arrears, as recovered under section O-3 of the MECL tariff.

### *Lighting*

- Facilities dedicated to the use of providing electric service to street and area lighting, as defined under sections N-22, N-23, N-25, and N-26 of the MECL tariff.

19. Chymko Consulting functionalizes revenue requirement as per a series of methods and assumptions summarized in Table 2 below, which are unchanged from the 2014 Cost Allocation Study. Overall, this table demonstrates that 63% of revenue requirement is directly assigned to a function. An additional 33% is functionalized according to the same proportions as the underlying facilities and assets, the majority of which are also directly assignable because of detailed asset records. A further 3% is allocated by the same proportions by which labour cost is functionalized, which leaves 2% to be allocated by various methods involving professional judgement.

**Table 2**  
**Methods to Functionalize 2017 MECL Revenue Requirement**

	Direct Assign	Assets & Facilities	Labour	Professional Judgment	Total
Operating Expenses					
Energy Costs	99%	1%	0%	1%	100%
ECAM Adjustment	100%	0%	0%	0%	100%
Net Energy Costs	99%	1%	0%	1%	100%
Distribution	16%	77%	0%	7%	100%
Transmission	100%	0%	0%	0%	100%
Transmission and Distribution - Other	6%	94%	0%	0%	100%
Transmission – OATT	100%	0%	0%	0%	100%
General	7%	16%	47%	30%	100%
Total Operating Expenses	88%	6%	3%	3%	100%
Amortization					
Amortization Other	49%	8%	43%	0%	100%
Amortization Plant And Equipment	0%	100%	0%	0%	100%
Total Amortization	2%	96%	2%	0%	100%
Total Operating Income	76%	19%	3%	2%	100%
Financing Expenses					
Long-Term Debt	0%	100%	0%	0%	100%
Short-Term Debt	0%	100%	0%	0%	100%
Interest Charged To Construction	0%	100%	0%	0%	100%
Amortization of Financing Costs	0%	100%	0%	0%	100%
Total Financing Expenses	0%	100%	0%	0%	100%
Earnings before Income Taxes	0%	100%	0%	0%	100%
Income Taxes	0%	100%	0%	0%	100%
Net Earnings	0%	100%	0%	0%	100%
Gross Revenue Requirement	63%	32%	2%	2%	100%
OATT Revenue	100%	0%	0%	0%	100%
Other Revenue	56%	15%	0%	29%	100%
Net Revenue Requirement	63%	33%	3%	2%	100%

20. To the extent that the information exists, and it is practical to do so, the first priority in functionalization is to directly attribute as much as possible to a given function without the need to allocate. The detailed financial accounting records provided by MECL allows Chymko Consulting to directly assign nearly two thirds of revenue requirement to one of the sixteen functions.
21. That which cannot be directly assigned is allocated. Amortization, debt financing, return, and income tax are the most important examples of a functional allocation. These expenses comprise more than one quarter of the MECL revenue requirement and only indirectly are they associated with the sixteen functions. Amortization, debt financing, and return are all calculated based on MECL's infrastructure investment and therefore the underlying infrastructure becomes a determining factor as to how these expenses should be functionalized. Moreover, MECL pays income tax only if it earns a positive return and therefore, tax is also indirectly associated with utility infrastructure.

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22. Chymko Consulting allocates these expenses by the same proportions as the underlying capital infrastructure, which means that gross plant and depreciation must also be fully attributed to each of the sixteen functions. MECL's detailed plant records facilitate a relatively straightforward functionalization process: nearly two-thirds of gross plant in service is directly attributable to a single function and an additional thirty-six percent is attributable to a narrow subset of the sixteen functions.
  23. The next-most important functionalization method as it affects total revenue requirement is general operating expenses that are non-specific to any particular utility function. For instance, because corporate overhead costs (corporate supervisory salaries and employment benefits) exist for the purpose of all other personnel, Chymko Consulting allocated such expenses by the same proportions as all other labour expenses already attributed to the sixteen functions.
  24. The final category of functionalization method used is broadly described as professional judgement in Table 2. This actually describes seven different methods that are applied on a case-by-case basis depending upon the nature of the expense. The two most important methods, as measured by total expense allocated, are used for the allocation of energy control centre expenses and the allocation of finance administration costs. In the case of the former, this and previous studies rely on the professional judgement of MECL staff to functionalize energy control centre: one-quarter to power supply, one-quarter to transmission, and the remaining amount to the distribution network. In the case of financial administration, approximately half of the annual expense is postage and stationary associated with billing and the other half is labour cost. For the half that is labour, expenses are functionalized according to the work responsibilities of the seven personnel in that department.

## 2.2 RESULT

25. The outcome of the functionalization process is summarized in Table 3 below.

<b>Table 3</b>							
<b>Functionalized MECL Revenue Requirement (\$,000)</b>							
	Power Supply	Trans'n	Distrib'n Network	Services and Metering	Customer Care	Lighting	Total
Operating Expenses							
Energy Costs	114,094	3,925	429	16	0	1	118,465
ECAM Adjustment	(2,359)	0	0	0	0	0	(2,359)
Net Energy Costs	111,735	3,925	429	16	0	1	116,106
Distribution	80	80	3,688	590	0	39	4,476
Transmission	0	1,220	0	0	0	0	1,220
T&D – Other	0	0	2,056	0	0	0	2,056
Transmission – OATT	0	225	0	0	0	0	225
General	1,388	1,410	2,971	1,171	2,073	47	9,060
Total Operating Expenses	113,203	6,861	9,144	1,777	2,073	86	133,143
Amortization							0
Other	515	146	160	27	0	2	851
Plant And Equipment	6,627	2,344	9,138	2,923	48	292	21,373
Total Amortization	7,142	2,491	9,298	2,950	48	294	22,224
Total Operating Income	120,345	9,352	18,442	4,727	2,121	381	155,367
Financing Expenses							0
Long-Term Debt	2,261	1,900	6,014	1,710	42	139	12,065
Short-Term Debt	118	99	313	89	2	7	627
Charged To Construction	(84)	(71)	(224)	(64)	(2)	(5)	(450)
Amortization of Financing	2	1	4	1	0	0	9
Total Financing Expenses	2,296	1,929	6,107	1,737	42	141	12,252
Earnings before Tax	122,641	11,281	24,549	6,464	2,163	522	167,619
Income Taxes	1,113	935	2,961	842	21	68	5,941
Net Earnings	2,422	2,036	6,444	1,833	45	149	12,928
Gross Revenue Requirement	126,176	14,252	33,954	9,138	2,228	739	186,488
OATT Revenue	0	(1,914)	0	0	0	0	(1,914)
Other Revenue	(56)	(47)	(720)	(42)	(1,104)	(3)	(1,973)
Net Revenue Requirement	126,121	12,290	33,234	9,096	1,124	735	182,601

26. The results in Table 3 are relatively consistent with previous studies to the extent that Chymko Consulting has followed the same methods as the previous study. Compared to Chymko Consulting's 2014 Cost Allocation Study for MECL, the largest shift in functionalized expense is related to power supply, which has dropped from seventy three percent to sixty-nine per cent of the total functionalized cost (see Table 4 below).
27. Excluding power supply from the analysis, Table 4 also demonstrates that there is an increase in expenses functionalized as transmission. This is attributed to a substantial increase to the Maritime Interconnection Facilities resulting from the lease payment for two new submarine cables.
28. At the same time, costs that are functionalized as distribution related increased at a lower rate than other functionalized costs, resulting in the distribution function's share of revenue requirement decreasing from sixty-three per cent in 2014 to fifty-nine per cent in 2017. This decrease is primarily attributed to slightly lower underground service line maintenance costs, and lower SCADA costs. Such maintenance costs tend to ebb and flow from year-to-year

depending on labour demands for special projects and the level of scheduled underground maintenance checks.

29. The proportion of revenue requirement functionalized as Service & Metering has decreased slightly since 2014, although in absolute dollars the amount of revenue requirement functionalized as Service & Metering is higher than in 2014. These costs did not increase at the same rate as overall revenue requirement because of a slight reduction in supervisory, regulation and training costs.
30. Finally, the level of costs functionalized as Customer Care have also decreased. This is mainly attributable to fewer costs related to claims and uncollectable accounts, as well as lower supervisory costs for both the contact centre and finance labour.

**Table 4**  
**Functionalized MECL Revenue Requirement**

	Power Supply	Trans'n	Distrib'n Network	Services and Metering	Customer Care	Lighting	Total
Percent of total							
2017 Revenue Requirement	69%	7%	18%	5%	1%	0%	100%
2014 Revenue Requirement	73%	4%	17%	5%	1%	0%	100%
Excluding Power Supply							
2017 Revenue Requirement	N/A	22%	59%	16%	2%	1%	100%
2014 Revenue Requirement	N/A	15%	63%	18%	3%	1%	100%



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## 3 CLASSIFICATION

31. Functionalized revenue requirement is next classified based on the generally accepted cost drivers that can be measured in terms of how customers use the system. Costs associated with upstream functions are generally accepted to be a function of the peak demand placed on the system and are classified accordingly. At the other extreme, downstream functions, such as services and metering, are generally a function of the number of sites served.<sup>3</sup>

### 3.1 METHOD

#### *Power Supply*

32. In the context of a vertically integrated and regulated electric utility, power supply requirements are generally considered to be a function of both peak demand and total energy consumed. Power supply is a function of total energy consumed because all else equal, a utility with 50,000 GWh of annual sales would incur higher power supply costs than a utility with 1,000 GWh of annual sales. However, even among two utilities with the same annual sales, generation resource planning (and therefore, cost) will differ based on the peak hourly demand. While a consistently flat electrical load may be better served by larger generating facilities suited for full-on production, a variable and peaking load will require a different mix of generating resources. Options for meeting variable peak demand may include smaller scale facilities, technologies that are able to ramp-up production on relatively short notice, or a combination of the two.
33. In MECL's 2014 Cost Allocation Study, 95 per cent of Point Lepreau annual power supply costs were classified as demand related, which reflected all the fixed costs. Only 5 per cent of costs, which reflected fuel costs, were classified as energy related. However, in the Point Lepreau Cost Allocation Classification Study (filed with the Commission on April 30, 2017), MECL proposed that this method of classifying power supply costs did not adequately reflect the fact that a significant portion of the fixed costs for a base load generating plant such as Point Lepreau are incurred to produce lower cost energy. Thus, these costs could be more appropriately classified as energy related rather than demand related. Consequently, the study recommended a change in allocation such that 25 per cent of Point Lepreau's fixed costs are classified as demand related, and 75 per cent of as energy related. The current cost allocation study reflects those changes.
34. In addition to changes to Point Lepreau power supply costs, the Point Lepreau Cost Allocation Classification Study recommended similar changes to two other types of power supply costs. The first is to classify all combustion turbine fuel costs as energy related rather than demand-

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<sup>3</sup> Note that Chymko Consulting's report often uses the term "sites" as opposed to "customers" in the context of a cost allocation study. The purpose of this terminology is to be clear that a cost allocation study is concerned with attributing revenue requirement to distribution points of delivery or "sites." Some customers may actually be served by multiple sites.

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related in order to better reflect the fact that most of the combustion turbine's fuel usage occurs to supply energy for the system.

35. The second change is to classify a portion of wind purchase power as demand related, rather than 100% energy related. The ratio of costs classified as demand related are in the same proportion as the ratio of wind power nameplate capacity that is included as capacity for capacity planning purposes. For the current cost allocation study this proportion is 23 per cent. This change brings MECL's method for classifying wind energy in line with that of NS Power.
36. Consistent with previous studies, MECL's Energy Control Centre (ECC) is classified as ninety five percent energy related because the main purpose of the ECC is to manage and coordinate the delivery of energy supply. Because at least a portion of ECC activities must ultimately feed into long term resource planning, five percent of the ECC expenses are classified as demand related.

### *Transmission*

37. Transmission lines are part of a bulk delivery system that ultimately services all utility customers, including wholesale customers. Transmission infrastructure is generally unaffected by the addition of one more customer, unless the addition of that customer is expected to materially affect peak system demand. Chymko Consulting therefore considers transmission lines to be demand related and allocates these functions on the basis of coincident peak demand.<sup>4</sup> Coincident peak demand is appropriate for this allocation because transmission facilities must be capable of providing service during the time of system peak. PEI's demand for electricity is at its highest during the winter, and therefore MECL's backbone delivery system must be designed to accommodate peak demand at this time.

### *Distribution Network*

38. Substations are part of a bulk delivery system that services virtually all of MECL customers. Also similar to transmission infrastructure, substations are generally unaffected by the addition of one more customer, unless the addition of that customer is expected to materially affect peak system demand. Thus, substations are classified as demand related and allocated on the basis of coincident peak demand.<sup>5</sup>
39. Functions such as primary lines, transformers, and secondary lines also form MECL's distribution network. These facilities must also be designed to meet peak demand, but it is also true that the cost of these functions will increase as more customers are added to the system. Expanding the distribution system to service new customers will require MECL to

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<sup>4</sup> For transmission lines, peak demand is measured at the transmission system level including losses, which as noted earlier are not evenly distributed between rate classes.

<sup>5</sup> The allocator for substations is also adjusted to recognize that some Large Industrial customers are serviced at a transmission voltage and do not use substation facilities.

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extend distribution lines and install new transformers, and so there will be a base level cost regardless of the capacity that these facilities will be required to carry.

40. This cost allocation study continues with the same basic principles followed in previous MECL cost allocation studies. MECL considers that circumstances have not materially changed and the Company's objective for this study is to apply consistent methods to previous studies and facilitate a more meaningful comparison of results over time. Thus, lines are classified as 50% demand related and 50% site related<sup>6</sup> whereas transformers are classified as 60% demand related and 40% site related.

### *Services, Metering, and Customer Care*

41. Functions such as service lines, metering, meter reading, billing, remittance & collection, and uncollectibles & damage claims are all classified as site related. It is generally recognized that the cost of these functions will primarily vary with the number of customers served. Factors other than demand, energy or sites also play a role in cost causation, but these adjustments are made by the choice of allocation and are discussed further in Section 4.
42. Finally, functions associated with service connections and late payments are also classified as site related. From a cost causation perspective, MECL tracks cost by rate class and so classification of these functions is mainly for presentation purposes. In Section 4, these functions are allocated to rate classes in the exact same proportion as actual revenue.

## 3.2 RESULT

43. MECL's classified revenue requirement is summarized in Table 5 below.

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<sup>6</sup> For the allocation of distribution network functions, allocators are adjusted to recognize that some distribution customers are serviced at a primary voltage and do not use a MECL transformer or secondary line.

<b>Table 5</b>				
<b>Classified 2017 MECL Revenue Requirement (\$,000)</b>				
	<b>Demand</b>	<b>Energy</b>	<b>Site</b>	<b>Total</b>
Operating Expenses				
Energy Costs	21,795	96,543	127	118,465
ECAM Adjustment	(312)	(2,047)	0	(2,359)
Net Energy Costs	21,483	94,497	127	116,106
Distribution	2,248	26	2,202	4,476
Transmission	1,220	0	0	1,220
T&D - Other	1,209	0	847	2,056
Transmission - OATT	225	0	0	225
General	4,020	493	4,547	9,060
Total Operating Expenses	30,405	95,015	7,723	133,143
Amortization	0	0	0	0
Other	356	399	96	851
Plant And Equipment	11,967	2,141	7,264	21,373
Total Amortization	12,323	2,540	7,360	22,224
Total Operating Income	42,728	97,555	15,084	155,367
Financing Expenses	0	0	0	0
Long-Term Debt	6,743	836	4,486	12,065
Short-Term Debt	351	43	233	627
Charged To Construction	(251)	(31)	(167)	(450)
Amortization of Financing	5	1	3	9
Total Financing Expenses	6,847	849	4,555	12,252
Earnings before Tax	10,546	1,308	7,015	18,869
Income Taxes	3,320	412	2,209	5,941
Net Earnings	7,225	896	4,807	12,928
Gross Revenue Requirement	60,122	99,712	26,654	186,488
OATT Revenue	(1,914)	0	0	(1,914)
Other Revenue	(452)	(21)	(1,500)	(1,973)
Net Revenue Requirement	57,755	99,691	25,155	182,601

44. As noted in the April 30, 2017 Point Lepreau Cost Allocation Classification Study, the impact of the changes to the classification of Point Lepreau costs is a shift in costs classified as demand to energy related. The change in the classification of fuel oil further shifts costs from demand to energy. However, the overall shift is somewhat mitigated by the change in classification for wind power from 100 per cent energy related 23 per cent demand related. As shown in Table 6, the overall impact is a 5% decrease in the amount of costs that are classified as demand related and a 5% increase in energy related costs.
45. Without the changes in Point Lepreau cost classification, the percentage of revenue requirement classified as demand related would have increased by about 3% as compared to 2014, and the percentage of revenue requirement classified as energy related would have decreased by about 4%. This reflects an increase in costs functionalized as transmission related as these costs are classified as demand related.
46. The same effect is demonstrated when power supply is excluded from the analysis. As shown in Table 6, when power supply is excluded, more of revenue requirement is classified as demand related.

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<b>Table 6</b>				
<b>Classified MECL Revenue Requirement</b>				
	Demand	Energy	Site	Total
Percent of total				
2017 Revenue Requirement	32%	55%	14%	100%
2014 Revenue Requirement	37%	50%	13%	100%
Excluding Power Supply				
2017 Revenue Requirement	55%	0%	45%	100%
2014 Revenue Requirement	52%	0%	48%	100%

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## 4 ALLOCATION

47. Once revenue requirement is classified between demand, energy, and site related, the next step is to allocate revenue requirement to rate classes. This requires some consideration of how customers should be grouped into rate classes for purposes of allocation as well as choosing the appropriate allocator for each expense.

### 4.1 RATE CLASSES

48. The rate classes used in the current cost allocation study are consistent with previous cost allocation studies and remain influenced by a 1990s regulatory framework that obliged MECL to adopt the same rate schedules as New Brunswick Power. For the 2014 study, Chymko Consulting modified its cost allocation model to accommodate an additional farm rate class separate from residential. This was done in preparation for future rate design changes involving the elimination of the declining block rate structure.<sup>7</sup>
49. In Order UE18-02, IRAC approved MECL's request to complete the current cost allocation study before filing the rate design study required under Order UE16-04R. As such, for the current cost allocation study, Chymko Consulting has continued to accommodate an additional farm rate class separate from residential.

### 4.2 ALLOCATORS

50. The final step of the cost allocation study is to allocate the utility's classified revenue requirement to rate classes. The choice of allocation factor is to a large degree influenced by classification. For example, demand related costs are generally allocated by the same proportions as the peak demand of each rate class. Similarly, energy related costs are allocated by the same proportions as energy sales and site related costs are allocated by the relative number of sites within each rate class. Below are some common measures of customer usage that are often used as the basis for allocation to rate classes.

#### *Coincident Peak Demand (CP)*

51. Coincident peak represents each rate class's contribution to the utility's peak demand day. This is typically measured over the period of one year, but other variants include the sum of peak summer and peak winter demands as well as the sum of daily peak demand for twelve consecutive months. This type of allocator is often paired with demand related costs

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<sup>7</sup> As established in the previous cost allocation study, it is expected that eliminating the declining block rate structure will have a disproportionate impact on farm customers, and therefore the change could be more easily managed if farm customers are first separated from the Residential rate class. For the current study, as in the 2014 Cost Allocation Study, Chymko Consulting assumed the same service line cost and pro-rated peak demand (based on energy sales) for the two customer groups.

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associated with high-voltage transmission. The MECL system peak occurs during the winter due to the combination of lighting and heating demand.

52. While the coincident peak demand allocator recognizes customers are collectively peaking, it also recognizes that that individual customers use energy at different times of the day. For example, a transmission line servicing one 1 MW customer is likely to require higher capacity than a line that services one thousand 1 kW customers who collectively add up to 1 MW. Given that individual customers do not necessarily peak at the same time, this diversity can be factored into transmission system design. The calculation of coincident peak demand also reflects this diversity, making it an appropriate allocator for transmission facilities.
53. Firm load is used to allocate purchased power costs in order to account for the fact that interruptible load reduces the amount of generating capacity that needs to be purchased.

### *Non-Coincident Peak Demand (NCP)*

54. Non-coincident peak demand (NCP) represents the peak demand for each rate class without regard for when the peak occurs for other rate classes. Therefore, the sum of all rate class NCPs is by definition equal to or greater than the system peak. This type of allocator is typically paired with demand related costs associated with more localized distribution facilities. NCP is widely recognized as an appropriate allocator for components of the distribution system that must be designed and built to handle local peak demand situations that do not necessarily correspond to the overall system peak.
55. Distribution network functions classified as demand related are allocated on the basis of non-coincident peak demand. As facilities become more localized, the needs of specific local customers play a more important role in network design. Individual customers served by a distribution feeder are still diverse, but compared to a bulk transmission system that services a greater number and a broader mix of customers, diversity is less of a factor. Thus, local distribution customers are more likely to peak at the same time compared to a random collection of residential, commercial, and industrial customers. Given that local distribution facilities are more likely to serve one particular rate class, an allocation based on non-coincident rate class peak demand is appropriate. The calculation of non-coincident peak demand reflects diversity within a rate class, but not between rate classes.

### *Energy Use*

56. An energy allocator is calculated from rate class kWh sales, grossed-up for losses. This allocator is used for power supply classified as energy related, but is not otherwise used for the other, wires-related functions.

### *Number of Sites*

57. The number of sites within each rate class is used to allocate site-related costs. Depending upon the function to be allocated, a number of adjustments are required. For instance, the allocation of the secondary lines function should exclude distribution sites that are just served

at the primary voltage. Another adjustment is necessary for lighting fixtures and other unmetered points of delivery, which are high in number but the addition of one more fixture should not cause distribution cost to increase as much as the addition of one more residential customer, for example.<sup>8</sup>

58. Furthermore, site counts are sometimes weighted if the per-site cost is known to differ between rate classes and neither a demand nor an energy-based allocation is a reasonable alternative. This situation often occurs when a number of factors either directly or indirectly affect the per-site cost and the net impact is material. This is a generally accepted cost allocation practice and in its cost allocation model, Chymko Consulting weights the site-based allocations of functions such as service lines, meter assets, meter reading, billing, and remittance & collection.
59. While the functions for service connection and late payment revenue are classified as site related, this is mainly for completeness. This revenue is directly assigned to rate classes according the same proportions as it was collected.

### Summary of Allocators

<b>Table 7</b>					
<b>Summary of 2017 Peak Demand Allocators</b>					
	Coincident Peak <sup>9</sup> (kW)	Coincident Peak - Firm (kW)	Non-Coincident Peak <sup>10 11</sup> (kW)	Energy Including Losses <sup>9</sup> (MWh)	Sites
Residential	142,677	142,677	171,362	505,169	57,286
Residential (S)	1,581	1,581	6,638	19,523	7,504
Farm	14,756	14,756	17,749	52,322	2,094
General Service	58,081	57,419	85,135	375,639	7,191
General Service (S)	1	1	3,584	9,279	1,704
Small Industrial	14,593	14,593	29,032	88,162	291
Large Industrial	16,303	2,513	6,419	150,029	6
Lights	1,424	1,424	1,444	5,519	4,556
Unmetered	364	364	355	2,416	269
<b>Total</b>	<b>249,780</b>	<b>235,328</b>	<b>321,718</b>	<b>1,208,058</b>	<b>80,902</b>

## 4.3 RESULT

60. MECL's allocated revenue requirement is shown in detail in Appendix A while a simplified version is shown in Table 8 below.

<sup>8</sup> In this study, Chymko Consulting discounted the number of lighting fixtures and unmetered points of delivery by a factor of 0.40. Chymko Consulting selected 0.40 such that the allocated secondary distribution voltage cost per fixture is approximately one fifth of a Residential customer.

<sup>9</sup> Calculated at input voltage.

<sup>10</sup> Calculated at primary voltage.

<sup>11</sup> Excludes transmission only customers and transmission losses.



<b>Table 8</b>						
<b>Allocated 2017 MECL Revenue Requirement (\$,000)</b>						
	Operating Expenses	Capital Expenses	Gross Revenue Requirement	OATT Revenue	Other Revenue	Net Revenue Requirement
Residential	63,270	31,019	94,288	(1,093)	(1,389)	91,806
Residential (S)	2,461	2,162	4,623	(12)	(98)	4,512
Farm	6,177	2,375	8,552	(113)	(67)	8,372
General Service	37,724	10,886	48,610	(445)	(285)	47,880
General Service (S)	896	694	1,590	(0)	(26)	1,565
Small Industrial	8,973	2,602	11,575	(112)	(61)	11,402
Large Industrial	12,392	1,864	14,256	(125)	(16)	14,115
Lights	954	1,644	2,598	(11)	(28)	2,559
Unmetered	296	99	395	(3)	(2)	391
<b>Total</b>	<b>133,143</b>	<b>53,344</b>	<b>186,488</b>	<b>(1,914)</b>	<b>(1,973)</b>	<b>182,601</b>

61. Again, results are consistent with prior studies and differences from the 2014 study are largely caused by how MECL's revenue requirement and customer base has evolved since 2014. A comparison appears below in Table 9, and explanations regarding changes in MECL's customer base follows below.

<b>Table 9</b>				
<b>Allocated MECL Revenue Requirement</b>				
	Total Revenue Requirement		Excluding Power Supply	
	2017	2014	2017	2014
Residential	50%	53%	61%	63%
Residential (S)	2%	2%	5%	5%
Farm	5%		4%	
General Service <sup>12</sup>	26%	28%	19%	19%
General Service (S)	1%	1%	1%	2%
Small Industrial	6%	7%	4%	5%
Large Industrial	8%	8%	2%	2%
Lights	1%	1%	3%	3%
Unmetered	0%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>99%</b>

### *Residential*

62. The Residential rate class share of peak demand is increasing at a faster rate than sales, which results in more costs being allocated to the rate class. The increase in the Residential rate classes' share of peak demand is attributed to a gradual expansion of electric heat. Electric heat is currently the predominant heating source installed in new homes, and this is expected to continue if oil prices continue to rise. Many new homes are putting in both

<sup>12</sup> As per the rate schedules approved in Order EU16-04R, the 2017 Cost Allocation Study does not include a General Service 2 rate class. For the purposes of comparison, the 2014 study General Service 2 results have been combined with General Service 1 (presented as General Service).

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resistive and heat pump installations, with the resistive heat sources intended to operate only during the coldest times of the year.

63. Annual system peaks typically occur between mid-December and mid-January, during extended cold snaps. Holiday lighting is on, and many of the installed heat pumps are supplemented with resistive heat. The utility believes this has been the main contributing factor to observed higher system peaks.
64. The increase in costs allocated to Residential rate class because of an increase in peak demand is slightly offset by the changes related to Point Lepreau cost allocation, specifically the shift in costs from demand to energy related. As such, the Residential rate class's share of revenue requirement (50%) is comparable to previous years'.

### *Residential (Seasonal)*

65. The Residential Seasonal rate class's share of revenue requirement is up slightly from 2014 because of an overall growth in the rate class. Additionally, the seasonal load profile has materially flattened since 2015 as winter sales (November – February) have increased 47% while summer sales have increased 9%.
66. Both the flattening effect and the overall growth in customers is attributed to the seasonal sub-class 131, which has 24% more customers than in 2015. Rate code 131 is billed for the full year (as opposed to rate code 133 which is only billed for the summer months), and because these sites are active in the winter months and consume more energy (both gross and per customer) in the winter than in the summer, the flattening of the seasonal load is also attributed to the growth in this sub-class. A potential area of further study is to assess the appropriateness and value of rate code 131 and whether the service should be consolidated into the regular Residential rate class under the rate code for rural customers.
67. Similar to the Residential rate class, the Seasonal Residential rate class also saw a slight increase in peak demand, the impact of which was also offset by the Point Lepreau changes. Despite these similarities, the Seasonal Residential rate class still has a revenue to cost ratio closer to 100% than the Residential class. This is because the seasonal customers contribute to system peak less than residential customers, and as such they are assigned proportionally fewer generation, power and transmission costs.

### *General Service*

68. Compared to 2014, sales have increased slightly for the General Service rate class, while peak demand has decreased slightly. The change of spread between peak demand and sales differs for residential and general service customers. Residential customers mostly install heat pumps as a supplementary heat source, which coincides with system peak load. General service customers often install heat pumps to provide air conditioning in summer months, which does not coincide with system peak load. This means that the General Service rate peak demand has grown at a materially slower rate than Residential, thereby reducing the General Service share of peak demand, and by extension their share of allocated cost.

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### *Small Industrial*

69. Sales for the Small Industrial rate class are slightly lower than 2015, but this is mainly attributable to the loss of three customers, who were migrated to Large Industrial over the course of 2017 and 2018.<sup>13</sup>
70. With the loss of three customers, the metered demand of the rate class decreased by 2.8 MW, and as such the Small Industrial rate class's share of revenue requirement has decreased from the 2014 study by one percentage point.

### *Large Industrial*

71. Sales for the Large Industrial have increased modestly since 2015; however, these customers were observed not to contribute to the higher system peak (as per interval metering). At the same time, the Large Industrial non-coincident peak has increased, and this is attributable to the addition of the three former Small Industrial customers.
72. Because of a decreased share of coincident peak demand, the Large Industrial rate class is attributed a smaller share of costs associated with functions that are allocated on the basis of CP, such as generation, purchased power and transmission costs. However, this impact is offset by the Large Industrial's increased NCP, which results in a larger share of costs associated with functions that are allocated by NCP, such as distribution lines and transformers. The impact of the lower CP is further offset by the Point Lepreau changes, which result in more costs allocated to the rate class on the basis of energy. As such, the Large Industrial's share of allocated revenue requirement remains consistent with 2014 results.

### *Lights*

73. Conversion to LED streetlights has reduced sales for this rate class by approximately twelve percent and the contribution to system peak demand by ten percent. What would otherwise mean fewer costs allocated to this rate class is offset by increased capital costs (i.e. return and depreciation) that is directly assigned to lights. This is attributed to LED conversions, which has increased the street and yard lights capital asset base by 33% since the 2014 study. Therefore, the total net impact of these offsetting changes is that lighting's share of revenue requirement increases from 1.3 percent to 1.4 percent.

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<sup>13</sup> For the purpose of using the results of this study to go-forward rates, these three customers are removed entirely from 2017 Small Industrial load data and added to 2017 Large Industrial load data. Load data was calculated for the Small Industrial rate class as though the three customers were not a part of this class for the entirety of the year, and for the Large Industrial rate class as though the three customers were part of the rate class for the entirety of the year. Because of the timing of when upgraded meters were actually installed for these customers, a minor amount of estimation was necessary in order to determine the customers' individual contributions to rate class coincident and non-coincident peak demand.

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## 5 CONCLUSIONS

74. Chymko Consulting's 2017 Cost Allocation Study is based on MECL's 2017 Statement of Earnings. To use these results as a yardstick for a 2019 rate proposal, it is necessary to express the allocated net revenue requirement as a percentage share. This adjustment is shown in Table 10.

<b>Table 10</b>		
<b>Allocated 2017 Net Revenue Requirement from Rates</b>		
	<b>Net Revenue Requirement (\$,000)</b>	<b>Percent Share</b>
Residential	91,806	50.3%
Residential (S) <sup>14</sup>	4,512	2.5%
Farm	8,372	4.6%
General Service	47,880	26.2%
General Service (S)	1,565	0.9%
Small Industrial	11,402	6.2%
Large Industrial	14,115	7.7%
Lights	2,559	1.4%
Unmetered	391	0.2%
<b>Total</b>	<b>182,601</b>	<b>100.0%</b>

75. Allocated cost in Table 10 is only one yardstick or guideline for designing 2019 rates. Other rate design considerations are equally important and one such consideration is the current structure and level of rates. If the desired change is too significant and would cause rate shock (i.e. an increase greater than ten percent of the total bill), then it may be necessary to adopt additional strategies to implement change gradually. One such indicator of the possibility of rate shock is the revenue-to-cost ratio. Table 11 below calculates revenue to cost ratios on current rates as well as providing similarly calculated revenue to cost ratios from the 2014 study.

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<sup>14</sup> Of note is the very small allocation to farm customers that are currently billed as Seasonal Residential; this is primarily due to the fact that MECL identified only fifteen such sites in its 2014 data. Chymko Consulting considers there to be too few customers and too few sales to create an administratively feasible rate. Not only is this too small of a sample to depend on consistent cost allocation results over time, but 2014 usage appears very similar to Seasonal Residential and the administration of such a rate class is likely to be burdensome. Thus, Chymko Consulting recommends that these two groups remain in the same Seasonal rate class.

<b>Table 11</b>				
<b>Allocated 2017 Net Revenue Requirement from Rates</b>				
	Revenue Collected	Allocated Cost	Revenue to Cost Ratio	2014 Study
Residential	45.9%	50.3%	91%	92%
Residential (S)	2.4%	2.5%	96%	97%
Farm	3.8%	4.6%	82%	81%
General Service	31.9%	26.2%	121%	117%
General Service (S)	1.0%	0.9%	113%	115%
Small Industrial	6.4%	6.2%	102%	96%
Large Industrial	7.2%	7.7%	94%	100%
Lights <sup>15</sup>	1.3%	1.4%	91%	103%
Unmetered <sup>15</sup>	0.2%	0.2%	104%	103%
Total	100.0%	100.0%	100%	100%

76. Given that the objective of a cost allocation study is to fairly allocate revenue requirement to rate classes on a cost causation basis, a ratio below 100% in Table 11 indicate that (all else equal) rate revenues should be raised for that rate class. Similarly, a ratio above 100% indicates that current rate revenues are above cost and should (all else equal) be lowered.
77. What is generally accepted to be a reasonable revenue to cost ratio will vary among Canadian provinces and regulators. For MECL's specific circumstances, Chymko Consulting considers 100% to be a long-term objective, but variances in any given year would be expected and reasonable. Actual rate impacts will depend upon MECL's rate design proposal, and MECL's proposal will need to make such other considerations such as rate shock and whether an overall general rate increase is required for 2019. Moreover, one must take into account that rates are set prospectively and that normal forecast variances in cost, load, and revenue will mean that the intended revenue to cost ratio will rarely be achieved. Pending further rate design analysis, it may be necessary to compromise revenue to cost ratio objectives in the short run so as to mitigate rate shock for one or more rate classes or even subsets of customers within rate classes. In this situation, a short to medium term objective of transitioning customer rates toward a revenue to cost ratio between 90% and 110% may be more reasonable.
78. The revenue to cost ratio for the general services rate classes has increased since the 2014 Cost Allocation Study (from 117%/115% to 121%). Some of this change can be attributed to Point Lepreau classification, but the larger impact for General Service is related to the growth of transmission and distribution infrastructure since 2015. Many of these capital expenses are functionalized as at least partially demand related, and as noted in the discussion of allocators, peak demand of the General Service rate class grew at a slower rate than Residential, which means that the General Service share of demand related cost decreases.

<sup>15</sup> The 2008 study allocated lighting and unmetered cost based on number of customer accounts, rather than points of distribution delivery (see paragraph 57).

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79. In order to present a revenue to cost ratio that is more relevant on a go-forward basis, MECL assisted Chymko Consulting in removing revenue attributable to the three industrial customers that switched rate classes from the Small Industrial revenue. The share of revenue from this rate class would have otherwise increased, but with the adjustment for the three customers, the share of revenue from this rate class is largely unchanged.
80. Similarly, Chymko Consulting adjusted the revenue for Large Industrial customers to include estimates of what these same customers would have paid in 2017 on Large Industrial rates. These adjustments include equipment rental, fees, transformation charges. The inclusion of these three customers at the Large Industrial rate rather than the Small Industrial rate decreases utility revenue overall.
81. Taking these adjustments into account, the Large Industrial revenue to cost ratio has decreased to 94%, which is still within MECL's range of tolerance. While the share of costs allocated to Large Industrial has remained consistent with the 2014 study, the share of revenue has decreased.<sup>16</sup> Though the rate class gained three Small Industrial customers, another Large Industrial customer exited the system in January 2017. While energy sales for the class increased, sales per customer decreased by thirty percent compared to the 2015 study and revenue per customer has declined by more than thirty five percent (after the adjustment made for Small Industrial customers now paying Large Industrial rates).
82. Considering that some estimation was required to calculate Large Industrial peak demand allocators, Chymko Consulting would not recommend any rate class rebalancing adjustments in future Large Industrial rate design (i.e. adjustments in addition to general increases), at least until the cost allocation study is updated with new data.
83. Unit cost is another output from the cost allocation study with potential use for rate design. Unit cost is calculated by dividing billing units into allocated cost for each rate class. In Table 12 below, Chymko Consulting divides billing demand (i.e. peak demand on the customers' bills) into allocated demand related cost and number of bills into allocated site-related cost.

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<sup>16</sup> If not for the changes to classification of energy purchases discussed in Section 3.1, the Large Industrial share of allocated cost would have also declined by a similar magnitude as revenue and the revenue-to-cost ratio would be 104%.

Table 12 Unit Cost Results for Consideration in Rate Design		
	Demand Related (\$/kW/Mo Billing Demand)	Site Related (\$/Bill/Mo)
Residential	N/A	24.61
Residential (S)	N/A	44.17
Farm	N/A	24.62
General Service	15.43	30.82
General Service (S)	11.78	63.08
Small Industrial	12.14	37.49
Large Industrial	8.05	247.57
Lights	N/A	537.41
Unmetered	61.48	63.21
Total	0.00	1072.97

84. Site related unit cost gives some indication for an appropriate monthly service charge. Given that the service line, meter, and billing costs are all considered site related, a monthly service charge equal to unit cost would at least ensure the utility is recovering the localized fixed costs from every customer regardless of their consumption. One such application is the seasonal rate, which requires just as much local distribution infrastructure to serve but is billed for only half the year. From a cost-causation perspective, it would be fair for the seasonal rate class to have a higher monthly service charge to ensure these local infrastructure costs are recovered from each site.<sup>17</sup>
85. Similar to the site related unit cost, the demand related unit cost in Table 12 is calculated as the demand related cost divided by the kilowatts billed to customers in that rate class. This only applies to rate classes that are metered and billed for peak demand and unit cost also provides useful information for a potential demand charge. Demand related costs are predominantly related to reserve power supply, transmission, and primary voltage distribution and flowing through the demand related unit cost in the monthly demand charge helps communicate to these customers the value of reducing peak demand.

### *Final Remarks*

86. The overall purpose of a cost allocation study is to develop a benchmark to guide rate design. Rates that reflect the full cost of electric utility service are generally accepted as a worthwhile objective, subject to a number of other considerations that must be taken into account. MECL's existing rate structure presents a number of challenges simply because the basic form and structure has changed only nominally for approximately twenty years. Customer acceptance is an important consideration in rate design and the longevity of the existing structure may make some changes, regardless of their merit, more difficult to accept. It is for this reason that cost allocation results alone should not be the determining factor for rates. The revenue to cost ratios in Table 11 indicates that some rates might need to change

<sup>17</sup> Note that there is an offsetting effect in which seasonal rate classes are allocated fewer demand related costs because they contribute little to system peak by virtue of being less active in the winter.

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significantly. Pending further analysis of any such change, it may well be that rate rebalancing would need to be implemented gradually over the course of multiple years.



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# APPENDIX A: DETAILED SCHEDULES

## MECL 2017 Cost Allocation Model

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MECL 2017 Cost Allocation Model

Schedule 1.0										
Summary of Cost Allocation Results										
Revenue Requirement (\$,000)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Revenue Collected	85,456	4,424	6,988	58,695	1,804	11,805	13,289	2,415	412	185,288
less Rate of Return Adjustment	(1,622)	(116)	(122)	(557)	(38)	(133)	(88)	(85)	(5)	(2,768)
add Weather Normalization	26	1	2	14	0	3	4	1	0	52
Base Revenue, Comparable for 2017	83,860	4,309	6,868	58,151	1,766	11,675	13,205	2,330	407	182,572
Revenue Share	46%	2%	4%	32%	1%	6%	7%	1%	0%	100%
Allocated Cost (net of Other Revenue)	91,806	4,512	8,372	47,880	1,565	11,402	14,115	2,559	391	182,601
Allocated Share	50%	2%	5%	26%	1%	6%	8%	1%	0%	100%
Revenue to Cost Ratio	91 %	96 %	82 %	121 %	113 %	102 %	94 %	91 %	104 %	100 %
Revenue to Cost Ratio (2015 Study)	92 %	97 %	81 %	117 %	115 %	96 %	100 %	103 %	103 %	100 %
Unit Cost										
Demand Related (\$/kW/Mo Billing)	N/A	N/A	N/A	15.43	11.78	12.14	8.05	N/A	61.48	0.00
Site Related (\$/Bill/Mo)	24.61	44.17	24.62	30.82	63.08	37.49	247.57	537.41	63.21	1,072.97

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Full Revenue Requirement (¢/kWh Sales)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	10.62	8.91	10.61	9.41	7.70	9.54	8.15	10.56	9.46	9.81
ECAM Adjustment	(0.21)	(0.18)	(0.21)	(0.19)	(0.16)	(0.19)	(0.17)	(0.21)	(0.19)	(0.20)
Net Energy Costs	10.41	8.73	10.40	9.22	7.54	9.35	7.98	10.35	9.27	9.61
Distribution	0.55	1.24	0.35	0.21	0.72	0.23	0.03	2.80	0.37	0.37
Transmission	0.14	0.04	0.14	0.08	0.00	0.08	0.05	0.13	0.07	0.10
Transmission and Distribution -	0.25	0.51	0.17	0.10	0.31	0.12	0.01	0.97	0.18	0.17
Transmission - OATT	0.03	0.01	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.02
General	1.15	2.08	0.72	0.42	1.09	0.38	0.16	3.01	2.35	0.75
Total Operating Expenses	12.52	12.61	11.81	10.04	9.66	10.18	8.26	17.28	12.25	11.02
Amortization										
Amortization Other	0.09	0.10	0.08	0.06	0.06	0.06	0.04	0.19	0.07	0.07
Amortization Plant And Equipme	2.44	4.27	1.83	1.17	2.86	1.19	0.54	12.22	1.63	1.77
Total Amortization	2.53	4.37	1.91	1.23	2.92	1.25	0.58	12.41	1.69	1.84
Total Operating Income	15.05	16.98	13.72	11.27	12.58	11.43	8.84	29.70	13.94	12.86
Financing Expenses										
Long-Term Debt	1.40	2.60	1.02	0.65	1.76	0.66	0.26	6.73	0.94	1.00
Short-Term Debt	0.07	0.14	0.05	0.03	0.09	0.03	0.01	0.35	0.05	0.05
Interest Charged To Constructio	(0.05)	(0.10)	(0.04)	(0.02)	(0.07)	(0.02)	(0.01)	(0.25)	(0.03)	(0.04)
Amortization of Financing Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Financing Expenses	1.42	2.64	1.03	0.66	1.79	0.67	0.26	6.84	0.95	1.01
Earnings before Income Taxes	16.48	19.61	14.75	11.93	14.38	12.10	9.10	36.54	14.90	13.88
Income Taxes	0.69	1.28	0.50	0.32	0.87	0.32	0.13	3.32	0.46	0.49
Net Earnings	1.50	2.78	1.09	0.69	1.89	0.71	0.27	7.22	1.01	1.07
Gross Revenue Requirement	18.66	23.68	16.35	12.94	17.14	13.13	9.50	47.07	16.37	15.44
OATT Revenue	(0.22)	(0.06)	(0.22)	(0.12)	(0.00)	(0.13)	(0.08)	(0.20)	(0.12)	(0.16)
Other Revenue	(0.27)	(0.50)	(0.13)	(0.08)	(0.28)	(0.07)	(0.01)	(0.50)	(0.08)	(0.16)
Net Revenue Requirement	18.17	23.11	16.00	12.75	16.86	12.93	9.41	46.37	16.17	15.12

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Demand Related Revenue Requirement (\$/kW/Mo Billing Demand)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	
Operating Expenses										
Energy Costs	N/A	N/A	N/A	5.72	0.10	4.08	2.35	N/A	25.41	
ECAM Adjustment	N/A	N/A	N/A	(0.08)	(0.00)	(0.06)	(0.01)	N/A	(0.37)	
Net Energy Costs	0.00	0.00	0.00	5.64	0.10	4.02	2.34	0.00	25.04	
Distribution	N/A	N/A	N/A	0.64	1.29	0.58	0.19	N/A	2.06	
Transmission	N/A	N/A	N/A	0.31	0.00	0.22	0.30	N/A	1.37	
Transmission and Distribution -	N/A	N/A	N/A	0.34	0.70	0.31	0.09	N/A	1.11	
Transmission - OATT	N/A	N/A	N/A	0.06	0.00	0.04	0.06	N/A	0.25	
General	N/A	N/A	N/A	1.07	1.02	0.86	0.70	N/A	4.14	
Total Operating Expenses	N/A	N/A	N/A	8.05	3.11	6.04	3.67	N/A	33.97	
Amortization										
Amortization Other	N/A	N/A	N/A	0.09	0.05	0.07	0.06	N/A	0.38	
Amortization Plant And Equipme	N/A	N/A	N/A	3.20	3.30	2.60	2.08	N/A	12.21	
Total Amortization	N/A	N/A	N/A	3.30	3.35	2.67	2.14	N/A	12.60	
Total Operating Income	N/A	N/A	N/A	11.35	6.46	8.71	5.81	N/A	46.56	
Financing Expenses										
Long-Term Debt	N/A	N/A	N/A	1.82	2.16	1.51	1.07	N/A	6.77	
Short-Term Debt	N/A	N/A	N/A	0.09	0.11	0.08	0.06	N/A	0.35	
Interest Charged To Constructio	N/A	N/A	N/A	(0.07)	(0.08)	(0.06)	(0.04)	N/A	(0.25)	
Amortization of Financing Costs	N/A	N/A	N/A	0.00	0.00	0.00	0.00	N/A	0.00	
Total Financing Expenses	N/A	N/A	N/A	1.85	2.20	1.53	1.09	N/A	6.88	
Earnings before Income Taxes	N/A	N/A	N/A	2.85	3.38	2.36	1.68	N/A	10.59	
Income Taxes	N/A	N/A	N/A	0.90	1.07	0.74	0.53	N/A	3.34	
Net Earnings	N/A	N/A	N/A	1.95	2.32	1.62	1.15	N/A	7.26	
Gross Revenue Requirement	N/A	N/A	N/A	16.04	12.04	12.60	8.58	N/A	64.04	
OATT Revenue	N/A	N/A	N/A	(0.49)	(0.00)	(0.34)	(0.48)	N/A	(2.15)	
Other Revenue	N/A	N/A	N/A	(0.13)	(0.26)	(0.12)	(0.05)	N/A	(0.41)	
Net Revenue Requirement	N/A	N/A	N/A	15.43	11.78	12.14	8.05	N/A	61.48	

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Energy Related Revenue Requirement (¢/kWh)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	8.04	8.11	8.04	8.01	7.66	8.03	7.74	8.07	8.07	7.99
ECAM Adjustment	(0.17)	(0.17)	(0.17)	(0.17)	(0.16)	(0.17)	(0.16)	(0.17)	(0.17)	(0.17)
Net Energy Costs	7.87	7.94	7.87	7.84	7.49	7.86	7.58	7.90	7.90	7.82
Distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission and Distribution -	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission - OATT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Total Operating Expenses	7.91	7.98	7.91	7.89	7.54	7.91	7.62	7.95	7.95	7.87
Amortization										
Amortization Other	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Amortization Plant And Equipme	0.18	0.18	0.18	0.18	0.17	0.18	0.17	0.18	0.18	0.18
Total Amortization	0.21	0.21	0.21	0.21	0.20	0.21	0.20	0.21	0.21	0.21
Total Operating Income	8.12	8.19	8.12	8.10	7.74	8.12	7.82	8.16	8.16	8.08
Financing Expenses										
Long-Term Debt	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Short-Term Debt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest Charged To Constructio	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Amortization of Financing Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Financing Expenses	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Earnings before Income Taxes	0.11	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.11	0.11
Income Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Net Earnings	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Gross Revenue Requirement	8.41	8.48	8.41	8.39	8.01	8.41	8.10	8.45	8.45	8.36
OATT Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Revenue	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Net Revenue Requirement	8.41	8.48	8.41	8.38	8.01	8.41	8.10	8.45	8.45	8.36

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Site Related Revenue Requirement (\$/Bill)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	0.13	0.23	0.13	0.14	0.28	0.16	0.38	2.37	0.23	4.04
ECAM Adjustment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Energy Costs	0.13	0.23	0.13	0.14	0.28	0.16	0.38	2.37	0.23	4.04
Distribution	2.24	3.92	2.24	2.29	4.56	3.08	6.03	43.31	3.59	71.25
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission and Distribution -	0.87	1.53	0.87	0.87	1.74	0.87	0.39	14.38	1.63	23.16
Transmission - OATT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General	4.86	6.83	4.86	5.05	7.93	5.39	39.67	42.97	29.19	146.74
Total Operating Expenses	8.10	12.51	8.10	8.34	14.50	9.50	46.48	103.02	34.65	245.19
Amortization										
Amortization Other	0.10	0.17	0.10	0.10	0.20	0.14	0.30	2.00	0.16	3.27
Amortization Plant And Equipme	6.93	12.79	6.93	9.26	19.32	13.27	80.82	181.37	11.05	341.74
Total Amortization	7.02	12.96	7.02	9.36	19.53	13.41	81.12	183.37	11.21	345.00
Total Operating Income	15.12	25.47	15.12	17.70	34.03	22.91	127.60	286.39	45.85	590.20
Financing Expenses										
Long-Term Debt	4.32	7.93	4.32	5.81	12.07	8.09	50.69	100.31	7.05	200.58
Short-Term Debt	0.22	0.41	0.22	0.30	0.63	0.42	2.64	5.22	0.37	10.43
Interest Charged To Constructio	(0.16)	(0.30)	(0.16)	(0.22)	(0.45)	(0.30)	(1.89)	(3.74)	(0.26)	(7.48)
Amortization of Financing Costs	0.00	0.01	0.00	0.00	0.01	0.01	0.04	0.07	0.01	0.14
Total Financing Expenses	4.38	8.05	4.38	5.90	12.26	8.21	51.47	101.86	7.16	203.68
Earnings before Income Taxes	19.51	33.52	19.51	23.60	46.28	31.12	179.07	388.25	53.01	793.87
Income Taxes	2.13	3.90	2.13	2.86	5.94	3.98	24.96	49.39	3.47	98.76
Net Earnings	4.62	8.50	4.62	6.23	12.93	8.67	54.31	107.48	7.56	214.92
Gross Revenue Requirement	26.26	45.92	26.26	32.69	65.16	43.78	258.34	545.12	64.04	1,107.56
OATT Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Revenue	(1.65)	(1.75)	(1.64)	(1.88)	(2.08)	(6.29)	(10.77)	(7.70)	(0.83)	(34.59)
Net Revenue Requirement	24.61	44.17	24.62	30.82	63.08	37.49	247.57	537.41	63.21	1,072.97

MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Full Revenue Requirement (¢/kWh Sales)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	1.85	0.87	1.84	1.22	0.46	1.28	0.99	1.73	1.21	1.48
Purchased Power	9.54	8.38	9.54	8.73	7.45	8.83	7.64	9.43	8.78	8.96
Transmission	1.39	0.40	1.39	0.76	0.00	0.81	0.53	1.27	0.74	1.02
Substations	0.32	0.09	0.32	0.17	0.00	0.19	0.02	0.30	0.17	0.22
Primary Lines	1.80	4.27	1.14	0.69	2.55	0.78	0.10	8.10	1.35	1.22
Transformers	1.28	2.73	0.89	0.56	1.75	0.68	0.09	4.92	0.89	0.89
Secondary Lines	0.63	1.48	0.39	0.24	0.88	0.27	0.03	2.80	0.47	0.42
Service Lines	0.87	3.50	0.31	0.16	1.88	0.07	0.00	4.39	0.59	0.53
Meter Assets	0.19	0.64	0.07	0.16	1.58	0.03	0.01	0.00	0.00	0.16
Meter Reading	0.13	0.25	0.05	0.02	0.11	0.00	0.00	0.00	0.00	0.07
Billing	0.14	0.28	0.05	0.02	0.12	0.00	0.00	0.06	1.88	0.08
Remittance & Collection	0.10	0.20	0.04	0.02	0.08	0.00	0.00	0.06	0.10	0.05
Uncollectibles & Damage Claims	0.07	0.24	0.02	0.01	0.11	0.00	0.00	0.00	0.00	0.04
Service Connections	(0.05)	(0.14)	(0.02)	(0.01)	(0.06)	(0.00)	0.00	(0.00)	(0.00)	(0.03)
Late Payments	(0.10)	(0.08)	(0.03)	(0.03)	(0.05)	(0.02)	(0.00)	(0.02)	(0.00)	(0.05)
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33	0.00	0.06
Total	18.17	23.11	16.00	12.75	16.86	12.93	9.41	46.37	16.17	15.12



MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Demand Related Revenue Requirement (\$/kW/Mo Billing Demand)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.00	0.00	0.00	3.07	0.00	2.17	3.02	0.00	13.57	7.96
Purchased Power	0.00	0.00	0.00	3.82	0.00	2.73	0.59	0.00	17.05	9.42
Transmission	0.00	0.00	0.00	3.12	0.00	2.20	3.07	0.00	13.78	8.08
Substations	0.00	0.00	0.00	0.70	0.00	0.51	0.13	0.00	3.21	1.77
Primary Lines	0.00	0.00	0.00	2.12	5.29	2.03	0.56	0.00	6.24	4.83
Transformers	0.00	0.00	0.00	1.87	4.65	1.79	0.49	0.00	5.48	4.25
Secondary Lines	0.00	0.00	0.00	0.74	1.83	0.70	0.19	0.00	2.16	1.67
Service Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Reading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Billing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remittance & Collection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncollectibles & Damage Claims	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Connections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Late Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	15.43	11.78	12.14	8.05	0.00	61.48	37.99

MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Energy Related Revenue Requirement (¢/kWh)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.48	0.48	0.48	0.48	0.45	0.48	0.46	0.48	0.48	0.47
Purchased Power	7.82	7.89	7.82	7.80	7.45	7.82	7.53	7.86	7.86	7.78
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Primary Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transformers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Secondary Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Reading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Billing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remittance & Collection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncollectibles & Damage Claims	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Connections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Late Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.30	8.37	8.30	8.27	7.91	8.30	7.99	8.34	8.34	8.25

MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Site Related Revenue Requirement (\$/Bill)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchased Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Primary Lines	7.57	13.25	7.57	7.57	15.05	7.57	6.31	124.72	14.15	203.76
Transformers	4.43	7.76	4.43	4.43	8.82	4.43	0.00	73.07	8.29	115.68
Secondary Lines	2.62	4.59	2.62	2.62	5.21	2.62	0.00	43.20	4.90	68.40
Service Lines	6.40	13.28	6.40	7.09	16.93	18.70	64.55	73.08	8.29	214.74
Meter Assets	1.39	2.43	1.39	7.16	14.24	7.16	154.28	0.00	0.00	188.05
Meter Reading	0.95	0.95	0.95	0.95	0.95	0.95	4.77	0.00	0.00	10.48
Billing	1.05	1.05	1.05	1.05	1.05	1.05	26.24	1.05	26.24	59.82
Remittance & Collection	0.76	0.76	0.76	0.76	0.76	0.76	0.76	1.05	1.42	7.80
Uncollectibles & Damage Claims	0.52	0.91	0.52	0.52	1.03	0.00	0.00	0.00	0.00	3.50
Service Connections	(0.39)	(0.52)	(0.39)	(0.24)	(0.54)	(0.07)	0.00	(0.02)	(0.03)	(2.19)
Late Payments	(0.71)	(0.30)	(0.70)	(1.10)	(0.44)	(5.70)	(9.33)	(0.35)	(0.06)	(18.68)
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	221.62	0.00	221.62
Total	24.61	44.17	24.62	30.82	63.08	37.49	247.57	537.41	63.21	1,072.97

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Full Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	53,653	1,740	5,549	35,354	715	8,414	12,229	583	228	118,465
ECAM Adjustment	(1,050)	(36)	(109)	(714)	(15)	(170)	(250)	(11)	(5)	(2,359)
Net Energy Costs	52,603	1,704	5,440	34,640	700	8,245	11,979	571	224	116,106
Distribution	2,777	242	184	788	67	202	52	155	9	4,476
Transmission	697	8	72	284	0	71	80	7	2	1,220
Transmission and Distribution -	1,262	100	91	389	29	105	22	54	4	2,056
Transmission - OATT	129	1	13	52	0	13	15	1	0	225
General	5,802	405	377	1,572	101	336	244	166	57	9,060
Total Operating Expenses	63,270	2,461	6,177	37,724	896	8,973	12,392	954	296	133,143
Amortization										
Amortization Other	437	19	41	219	6	53	64	10	2	851
Amortization Plant And Equipme	12,342	834	959	4,400	266	1,051	807	675	39	21,373
Total Amortization	12,780	853	999	4,619	271	1,104	871	685	41	22,224
Total Operating Income	76,049	3,314	7,177	42,343	1,168	10,077	13,263	1,639	337	155,367
Financing Expenses										
Long-Term Debt	7,071	507	533	2,430	164	581	385	372	23	12,065
Short-Term Debt	368	26	28	126	9	30	20	19	1	627
Interest Charged To Constructio	(264)	(19)	(20)	(91)	(6)	(22)	(14)	(14)	(1)	(450)
Amortization of Financing Costs	5	0	0	2	0	0	0	0	0	9
Total Financing Expenses	7,180	515	541	2,467	166	590	391	377	23	12,252
Earnings before Income Taxes	11,059	794	834	3,800	256	908	602	581	35	18,869
Income Taxes	3,482	250	263	1,196	81	286	190	183	11	5,941
Net Earnings	7,577	544	571	2,603	175	622	412	398	24	12,928
Gross Revenue Requirement	94,288	4,623	8,552	48,610	1,590	11,575	14,256	2,598	395	186,488
OATT Revenue	(1,093)	(12)	(113)	(445)	(0)	(112)	(125)	(11)	(3)	(1,914)
Other Revenue	(1,389)	(98)	(67)	(285)	(26)	(61)	(16)	(28)	(2)	(1,973)
Net Revenue Requirement	91,806	4,512	8,372	47,880	1,565	11,402	14,115	2,559	391	182,601

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Demand Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	12,961	145	1,340	5,240	1	1,330	615	129	33	21,795
ECAM Adjustment	(189)	(2)	(20)	(76)	(0)	(19)	(3)	(2)	(0)	(312)
Net Energy Costs	12,772	143	1,321	5,163	1	1,311	612	127	33	21,483
Distribution	1,227	40	127	582	20	190	48	11	3	2,248
Transmission	697	8	72	284	0	71	80	7	2	1,220
Transmission and Distribution -	662	22	69	314	11	102	22	6	1	1,209
Transmission - OATT	129	1	13	52	0	13	15	1	0	225
General	2,253	46	233	982	16	281	182	21	5	4,020
Total Operating Expenses	17,739	260	1,835	7,378	48	1,968	959	173	44	30,405
Amortization										
Amortization Other	203	3	21	86	1	23	16	2	0	356
Amortization Plant And Equipme	6,680	141	691	2,934	51	847	544	63	16	11,967
Total Amortization	6,883	145	712	3,019	52	870	560	65	16	12,323
Total Operating Income	24,623	405	2,547	10,398	100	2,839	1,519	238	61	42,728
Financing Expenses										
Long-Term Debt	3,752	86	388	1,668	33	491	281	35	9	6,743
Short-Term Debt	195	4	20	87	2	26	15	2	0	351
Interest Charged To Constructio	(140)	(3)	(14)	(62)	(1)	(18)	(10)	(1)	(0)	(251)
Amortization of Financing Costs	3	0	0	1	0	0	0	0	0	5
Total Financing Expenses	3,810	87	394	1,693	34	499	285	36	9	6,847
Earnings before Income Taxes	5,868	134	607	2,608	52	768	439	55	14	10,546
Income Taxes	1,848	42	191	821	16	242	138	17	4	3,320
Net Earnings	4,021	92	416	1,787	36	526	301	37	9	7,225
Gross Revenue Requirement	34,301	626	3,549	14,699	186	4,106	2,242	328	83	60,122
OATT Revenue	(1,093)	(12)	(113)	(445)	(0)	(112)	(125)	(11)	(3)	(1,914)
Other Revenue	(245)	(8)	(25)	(117)	(4)	(38)	(13)	(2)	(1)	(452)
Net Revenue Requirement	32,963	606	3,410	14,137	182	3,956	2,105	315	80	57,755

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Energy Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	40,604	1,583	4,206	30,103	711	7,084	11,614	446	195	96,543
ECAM Adjustment	(861)	(34)	(89)	(638)	(15)	(150)	(246)	(9)	(4)	(2,047)
Net Energy Costs	39,743	1,549	4,116	29,464	695	6,934	11,367	436	191	94,497
Distribution	11	0	1	8	0	2	3	0	0	26
Transmission	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0
General	207	8	21	154	4	36	59	2	1	493
Total Operating Expenses	39,961	1,558	4,139	29,626	699	6,972	11,430	439	192	95,015
Amortization										
Amortization Other	168	7	17	124	3	29	48	2	1	399
Amortization Plant And Equipme	900	35	93	668	16	157	258	10	4	2,141
Total Amortization	1,068	42	111	792	19	186	306	12	5	2,540
Total Operating Income	41,029	1,599	4,250	30,418	718	7,158	11,735	450	197	97,555
Financing Expenses										
Long-Term Debt	352	14	36	261	6	61	101	4	2	836
Short-Term Debt	18	1	2	14	0	3	5	0	0	43
Interest Charged To Constructio	(13)	(1)	(1)	(10)	(0)	(2)	(4)	(0)	(0)	(31)
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	1
Total Financing Expenses	357	14	37	265	6	62	102	4	2	849
Earnings before Income Taxes	550	21	57	408	10	96	157	6	3	1,308
Income Taxes	173	7	18	128	3	30	50	2	1	412
Net Earnings	377	15	39	279	7	66	108	4	2	896
Gross Revenue Requirement	41,937	1,635	4,344	31,091	734	7,316	11,995	460	201	99,712
OATT Revenue	0	0	0	0	0	0	0	0	0	0
Other Revenue	(9)	(0)	(1)	(6)	(0)	(2)	(2)	(0)	(0)	(21)
Net Revenue Requirement	41,928	1,634	4,343	31,084	734	7,315	11,992	460	201	99,691

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Site Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	88	12	3	12	3	1	0	8	0	127
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	88	12	3	12	3	1	0	8	0	127
Distribution	1,539	202	56	197	47	11	0	144	6	2,202
Transmission	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	600	79	22	75	18	3	0	48	3	847
Transmission - OATT	0	0	0	0	0	0	0	0	0	0
General	3,342	351	122	436	81	19	3	143	50	4,547
Total Operating Expenses	5,569	643	204	720	149	33	3	342	60	7,723
Amortization										
Amortization Other	67	9	2	9	2	0	0	7	0	96
Amortization Plant And Equipme	4,762	658	174	799	199	46	6	602	19	7,264
Total Amortization	4,828	667	176	808	201	47	6	608	19	7,360
Total Operating Income	10,397	1,310	380	1,528	350	80	9	950	79	15,084
Financing Expenses										
Long-Term Debt	2,967	408	108	501	124	28	4	333	12	4,486
Short-Term Debt	154	21	6	26	6	1	0	17	1	233
Interest Charged To Constructio	(111)	(15)	(4)	(19)	(5)	(1)	(0)	(12)	(0)	(167)
Amortization of Financing Costs	2	0	0	0	0	0	0	0	0	3
Total Financing Expenses	3,013	414	110	509	126	29	4	338	12	4,555
Earnings before Income Taxes	4,640	638	170	784	194	44	6	521	19	7,015
Income Taxes	1,461	201	53	247	61	14	2	164	6	2,209
Net Earnings	3,179	437	116	537	133	30	4	357	13	4,807
Gross Revenue Requirement	18,050	2,362	660	2,821	670	153	19	1,809	111	26,654
OATT Revenue	0	0	0	0	0	0	0	0	0	0
Other Revenue	(1,135)	(90)	(41)	(162)	(21)	(22)	(1)	(26)	(1)	(1,500)
Net Revenue Requirement	16,915	2,272	619	2,659	649	131	18	1,783	109	25,155

MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Full Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	9,323	171	965	4,601	42	1,128	1,479	95	29	17,833
Purchased Power	48,204	1,637	4,991	32,793	692	7,783	11,456	520	212	108,288
Transmission	7,020	78	726	2,858	0	718	802	70	18	12,290
Substations	1,634	18	169	642	0	167	34	16	4	2,684
Primary Lines	9,118	833	596	2,598	237	690	147	447	33	14,697
Transformers	6,488	533	468	2,091	163	598	129	271	21	10,763
Secondary Lines	3,158	289	206	900	82	239	51	155	11	5,091
Service Lines	4,400	683	161	612	174	65	5	243	14	6,357
Meter Assets	955	125	35	618	146	25	11	0	0	1,915
Meter Reading	655	49	24	82	10	3	0	0	0	824
Billing	721	54	26	91	11	4	2	3	45	957
Remittance & Collection	523	39	19	66	8	3	0	3	2	664
Uncollectibles & Damage Claims	357	47	13	45	11	0	0	0	0	472
Service Connections	(266)	(27)	(10)	(20)	(6)	(0)	0	(0)	(0)	(329)
Late Payments	(485)	(15)	(18)	(95)	(5)	(20)	(1)	(1)	(0)	(639)
Lighting	0	0	0	0	0	0	0	735	0	735
Total	91,806	4,512	8,372	47,880	1,565	11,402	14,115	2,559	391	182,601



MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Demand Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	6,913	77	715	2,814	0	707	790	69	18	12,102
Purchased Power	8,687	96	898	3,496	0	888	153	87	22	14,327
Transmission	7,020	78	726	2,858	0	718	802	70	18	12,290
Substations	1,634	18	169	642	0	167	34	16	4	2,684
Primary Lines	3,914	152	405	1,945	82	663	147	33	8	7,348
Transformers	3,440	133	356	1,709	72	583	129	29	7	6,458
Secondary Lines	1,356	53	140	674	28	230	51	11	3	2,545
Service Lines	0	0	0	0	0	0	0	0	0	0
Meter Assets	0	0	0	0	0	0	0	0	0	0
Meter Reading	0	0	0	0	0	0	0	0	0	0
Billing	0	0	0	0	0	0	0	0	0	0
Remittance & Collection	0	0	0	0	0	0	0	0	0	0
Uncollectibles & Damage Claims	0	0	0	0	0	0	0	0	0	0
Service Connections	0	0	0	0	0	0	0	0	0	0
Late Payments	0	0	0	0	0	0	0	0	0	0
Lighting	0	0	0	0	0	0	0	0	0	0
Total	32,963	606	3,410	14,137	182	3,956	2,105	315	80	57,755

MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Energy Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	2,410	94	250	1,787	42	420	689	26	12	5,731
Purchased Power	39,518	1,540	4,093	29,297	691	6,894	11,303	434	190	93,960
Transmission	0	0	0	0	0	0	0	0	0	0
Substations	0	0	0	0	0	0	0	0	0	0
Primary Lines	0	0	0	0	0	0	0	0	0	0
Transformers	0	0	0	0	0	0	0	0	0	0
Secondary Lines	0	0	0	0	0	0	0	0	0	0
Service Lines	0	0	0	0	0	0	0	0	0	0
Meter Assets	0	0	0	0	0	0	0	0	0	0
Meter Reading	0	0	0	0	0	0	0	0	0	0
Billing	0	0	0	0	0	0	0	0	0	0
Remittance & Collection	0	0	0	0	0	0	0	0	0	0
Uncollectibles & Damage Claims	0	0	0	0	0	0	0	0	0	0
Service Connections	0	0	0	0	0	0	0	0	0	0
Late Payments	0	0	0	0	0	0	0	0	0	0
Lighting	0	0	0	0	0	0	0	0	0	0
Total	41,928	1,634	4,343	31,084	734	7,315	11,992	460	201	99,691

MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Site Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0	0	0	0	0	0	0	0	0	0
Purchased Power	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0
Substations	0	0	0	0	0	0	0	0	0	0
Primary Lines	5,204	682	190	653	155	26	0	414	24	7,348
Transformers	3,049	399	111	383	91	16	0	242	14	4,305
Secondary Lines	1,802	236	66	226	54	9	0	143	8	2,545
Service Lines	4,400	683	161	612	174	65	5	243	14	6,357
Meter Assets	955	125	35	618	146	25	11	0	0	1,915
Meter Reading	655	49	24	82	10	3	0	0	0	824
Billing	721	54	26	91	11	4	2	3	45	957
Remittance & Collection	523	39	19	66	8	3	0	3	2	664
Uncollectibles & Damage Claims	357	47	13	45	11	0	0	0	0	472
Service Connections	(266)	(27)	(10)	(20)	(6)	(0)	0	(0)	(0)	(329)
Late Payments	(485)	(15)	(18)	(95)	(5)	(20)	(1)	(1)	(0)	(639)
Lighting	0	0	0	0	0	0	0	735	0	735
Total	16,915	2,272	619	2,659	649	131	18	1,783	109	25,155

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Allocators										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	52.3 %	1.0 %	5.4 %	25.8 %	0.2 %	6.3 %	8.3 %	0.5 %	0.2 %	100.0 %
Purchased Power	44.5 %	1.5 %	4.6 %	30.3 %	0.6 %	7.2 %	10.6 %	0.5 %	0.2 %	100.0 %
Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
Substations	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
Primary Lines	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %
Transformers	60.3 %	4.9 %	4.3 %	19.4 %	1.5 %	5.6 %	1.2 %	2.5 %	0.2 %	100.0 %
Secondary Lines	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Uncollectibles & Damage Claims	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Connections	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Late Payments	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Demand Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
Purchased Power	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
Substations	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
Primary Lines	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Transformers	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Secondary Lines	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Uncollectibles & Damage Claims	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connections	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Late Payments	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Energy Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Purchased Power	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Substations	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Primary Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Transformers	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Secondary Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Uncollectibles & Damage Claims	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connections	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Late Payments	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Site Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Purchased Power	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Substations	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Primary Lines	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Transformers	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Secondary Lines	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Uncollectibles & Damage Claims	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Connections	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Late Payments	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Allocators										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Input Firm	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
1CP - Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Distribution Primary	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
NCP - Distribution Primary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
NCP - Distribution Secondary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Energy - Input	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Sites	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Primary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Secondary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Mass Market	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Service Connection Revenue	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Penalty Revenue	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %
MECL Generation	52.3 %	1.0 %	5.4 %	25.8 %	0.2 %	6.3 %	8.3 %	0.5 %	0.2 %	100.0 %
MECL Purchases	44.5 %	1.5 %	4.6 %	30.3 %	0.6 %	7.2 %	10.6 %	0.5 %	0.2 %	100.0 %
Primary System	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %
Distribution Transformers	60.3 %	4.9 %	4.3 %	19.4 %	1.5 %	5.6 %	1.2 %	2.5 %	0.2 %	100.0 %
Secondary System	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %



MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Demand Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Input Firm	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
1CP - Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Distribution Primary	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
NCP - Distribution Primary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
NCP - Distribution Secondary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Energy - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Mass Market	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connection Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Penalty Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
MECL Generation	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
MECL Purchases	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
Primary System	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Distribution Transformers	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Secondary System	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Energy Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Input Firm	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Energy - Input	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Sites	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Mass Market	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connection Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Penalty Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
MECL Generation	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
MECL Purchases	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Primary System	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Distribution Transformers	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Secondary System	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Site Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Input Firm	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Energy - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Primary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Secondary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Mass Market	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Service Connection Revenue	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Penalty Revenue	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %
MECL Generation	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
MECL Purchases	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Primary System	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Distribution Transformers	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Secondary System	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.2										
Allocator Assumptions										
Site Allocator Weighting Assumptions										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Service Lines	353	418	353	391	470	1,031	3,560	245	245	6,576
Meter Assets	49	49	49	250	250	250	5,388	0	0	6,284
Meter Reading	12	7	12	12	6	12	60	0	0	121
Billing	12	7	12	12	6	12	300	1	300	361
Remittance & Collection	12	7	12	12	6	12	12	1	12	73
Lighting & Unmetered Equivalence								0.40	0.40	
Base Allocators										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input (kW)	142,677	1,581	14,756	58,081	1	14,593	16,303	1,424	364	249,780
1CP - Input Firm (kW)	142,677	1,581	14,756	57,419	1	14,593	2,513	1,424	364	235,328
1CP - Transmission (kW)	139,173	1,542	14,393	56,654	1	14,235	15,903	1,389	355	243,645
1CP - Distribution Primary (kW)	139,173	1,542	14,393	54,695	1	14,235	2,857	1,389	355	228,640
NCP - Distribution Primary (kW)	171,362	6,638	17,749	85,135	3,584	29,032	6,419	1,444	355	321,718
NCP - Distribution Secondary (kW)	161,888	6,271	16,767	80,428	3,386	27,427	6,064	1,364	335	303,931
Energy - Input (MWh)	545,726	21,273	56,523	404,585	9,549	95,207	156,089	5,989	2,621	1,297,563
Sites	57,286	7,504	2,094	7,191	1,704	291	6	4,556	269	80,902
Sites - Distribution Primary	57,286	7,504	2,094	7,190	1,704	291	5	4,556	269	80,900
Sites - Distribution Secondary	57,286	7,504	2,094	7,190	1,704	291	0	4,556	269	80,895
Sites - Mass Market	57,286	7,504	2,094	7,191	1,704	0	0	0	0	75,780
Service Lines (\$,000)	20,219	3,140	739	2,812	800	301	21	1,114	66	29,212
Meter Assets (\$,000)	2,779	364	102	1,798	426	73	32	0	0	5,574
Meter Reading (Weighted Sites x 1000)	687	51	25	86	10	3	0	0	0	864
Billing (Weighted Sites x 1000)	687	51	25	86	10	3	2	3	43	912
Remittance & Collection (Weighted Sites x 1000)	687	51	25	86	10	3	0	5	3	872
Service Connection Revenue (\$,000)	375	38	14	29	8	0	0	0	0	464
Penalty Revenue (\$,000)	485	15	18	95	5	20	1	1	0	639
Lighting Direct Assign	0	0	0	0	0	0	0	1	0	1
Sales Data										
Billing Demand (kW * 12 Months)	N/A	N/A	N/A	916,109	15,480	325,915	261,436	N/A	1,300	1,520,241
Peak metered demand	N/A	N/A	N/A	916,109	15,480	324,009	260,334	N/A	N/A	1,515,932
Sales (MWh)	505,169	19,523	52,322	375,639	9,279	88,162	150,029	5,519	2,416	1,208,058
Average Bills per Month	57,286	7,504	2,094	7,191	1,704	0	6	3,318	144	79,539
Revenue (\$,000)	85,456	4,424	6,988	58,695	1,804	11,805	13,289	2,415	412	185,288
Lighting & Unmetered Fixtures								11,390	673	

MECL 2017 Cost Allocation Model

Schedule 2.4					
Classification Assumptions					
Allocator	Demand Related	Energy Related	Site Related	Total	
1CP - Input	100 %	0 %	0 %	100 %	
1CP - Input Firm	100 %	0 %	0 %	100 %	
1CP - Transmission	100 %	0 %	0 %	100 %	
1CP - Distribution Primary	100 %	0 %	0 %	100 %	
NCP - Distribution Primary	100 %	0 %	0 %	100 %	
NCP - Distribution Secondary	100 %	0 %	0 %	100 %	
Energy - Input	0 %	100 %	0 %	100 %	
Sites	0 %	0 %	100 %	100 %	
Sites - Distribution Primary	0 %	0 %	100 %	100 %	
Sites - Distribution Secondary	0 %	0 %	100 %	100 %	
Sites - Mass Market	0 %	0 %	100 %	100 %	
Service Lines	0 %	0 %	100 %	100 %	
Meter Assets	0 %	0 %	100 %	100 %	
Meter Reading	0 %	0 %	100 %	100 %	
Billing	0 %	0 %	100 %	100 %	
Remittance & Collection	0 %	0 %	100 %	100 %	
Service Connection Revenue	0 %	0 %	100 %	100 %	
Penalty Revenue	0 %	0 %	100 %	100 %	
Lighting Direct Assign	0 %	0 %	100 %	100 %	
MECL Generation	68 %	32 %	0 %	100 %	
MECL Purchases	13 %	87 %	0 %	100 %	
Primary System	50 %	0 %	50 %	100 %	
Distribution Transformers	60 %	0 %	40 %	100 %	
Secondary System	50 %	0 %	50 %	100 %	
Blended Allocator Assumptions					
	MECL Generation	MECL Purchases	Primary System	Distribution Transformers	Secondary System
1CP - Input	68 %				
1CP - Input Firm		13 %			
1CP - Transmission					
1CP - Distribution Primary					
NCP - Distribution Primary			50 %		
NCP - Distribution Secondary				60 %	50 %
Energy - Input	32 %	87 %			
Sites					
Sites - Distribution Primary			50 %		
Sites - Distribution Secondary				40 %	50 %
Total	100 %	100 %	100 %	100 %	100 %

## MECL 2017 Cost Allocation Model

Schedule 2.5	
Allocator by Function Assumptions	
Function	Allocator
Generation	MECL Generation
Purchased Power	MECL Purchases
Transmission	1CP - Transmission
Substations	1CP - Distribution Primary
Primary Lines	Primary System
Transformers	Distribution Transformers
Secondary Lines	Secondary System
Service Lines	Service Lines
Meter Assets	Meter Assets
Meter Reading	Meter Reading
Billing	Billing
Remittance & Collection	Remittance & Collection
Uncollectibles & Damage Claims	Sites - Mass Market
Service Connections	Service Connection Revenue
Late Payments	Penalty Revenue
Lighting	Lighting Direct Assign

MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	4,493	109,601	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	118,465
ECAM Adjustment	0	(2,359)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,359)
Net Energy Costs	4,493	107,242	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	116,106
Distribution	80	0	80	322	1,691	1,093	581	432	0	158	0	0	0	0	0	39	4,476
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	243	914	595	305	0	0	0	0	0	0	0	0	0	2,056
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	1,303	85	1,410	292	1,342	830	508	493	62	615	907	592	455	119	0	47	9,060
Total Operating Expenses	5,875	107,327	6,861	1,051	4,032	2,596	1,465	939	65	773	907	592	455	119	0	86	133,143
Amortization																	
Amortization Other	88	427	146	18	74	41	27	23	0	4	0	0	0	0	0	2	851
Amortization Plant And Equipme	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Amortization	6,695	448	2,491	575	4,309	2,933	1,481	2,222	696	32	15	22	5	5	0	294	22,224
Total Operating Income	12,570	107,775	9,352	1,626	8,342	5,529	2,946	3,161	761	805	922	615	460	124	0	381	155,367
Financing Expenses																	
Long-Term Debt	2,060	201	1,900	414	2,655	2,049	896	1,251	452	7	14	19	5	4	0	139	12,065
Short-Term Debt	107	10	99	22	138	107	47	65	23	0	1	1	0	0	0	7	627
Interest Charged To Constructio	(77)	(7)	(71)	(15)	(99)	(76)	(33)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(450)
Amortization of Financing Costs	1	0	1	0	2	1	1	1	0	0	0	0	0	0	0	0	9
Total Financing Expenses	2,092	204	1,929	421	2,697	2,080	909	1,270	459	7	14	19	5	4	0	141	12,252
Earnings before Income Taxes	3,222	314	2,971	648	4,153	3,204	1,401	1,957	707	11	22	30	7	7	0	217	18,869
Income Taxes	1,014	99	935	204	1,307	1,009	441	616	222	4	7	9	2	2	0	68	5,941
Net Earnings	2,207	215	2,036	444	2,845	2,195	960	1,341	484	8	15	21	5	4	0	149	12,928
Gross Revenue Requirement	17,884	108,293	14,252	2,694	15,191	10,813	5,256	6,388	1,926	824	958	664	472	134	0	739	186,488
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	(51)	(5)	(47)	(10)	(494)	(51)	(165)	(31)	(11)	(0)	(0)	(0)	(0)	(464)	(639)	(3)	(1,973)
Net Revenue Requirement	17,833	108,288	12,290	2,684	14,697	10,763	5,091	6,357	1,915	824	957	664	472	(329)	(639)	735	182,601

MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement, Demand Related (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	3,049	14,501	3,925	194	43	47	36	0	0	0	0	0	0	0	0	0	21,795
ECAM Adjustment	0	(312)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(312)
Net Energy Costs	3,049	14,189	3,925	194	43	47	36	0	0	0	0	0	0	0	0	0	21,483
Distribution	54	0	80	322	845	656	291	0	0	0	0	0	0	0	0	0	2,248
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	243	457	357	152	0	0	0	0	0	0	0	0	0	1,209
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	884	11	1,410	292	671	498	254	0	0	0	0	0	0	0	0	0	4,020
Total Operating Expenses	3,987	14,200	6,861	1,051	2,016	1,558	732	0	0	0	0	0	0	0	0	0	30,405
Amortization																	
Amortization Other	60	57	146	18	37	25	14	0	0	0	0	0	0	0	0	0	356
Amortization Plant And Equipme	4,484	3	2,344	557	2,118	1,735	727	0	0	0	0	0	0	0	0	0	11,967
Total Amortization	4,543	59	2,491	575	2,155	1,760	740	0	0	0	0	0	0	0	0	0	12,323
Total Operating Income	8,531	14,260	9,352	1,626	4,171	3,317	1,473	0	0	0	0	0	0	0	0	0	42,728
Financing Expenses																	
Long-Term Debt	1,398	27	1,900	414	1,328	1,229	448	0	0	0	0	0	0	0	0	0	6,743
Short-Term Debt	73	1	99	22	69	64	23	0	0	0	0	0	0	0	0	0	351
Interest Charged To Constructio	(52)	(1)	(71)	(15)	(49)	(46)	(17)	0	0	0	0	0	0	0	0	0	(251)
Amortization of Financing Costs	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	5
Total Financing Expenses	1,420	27	1,929	421	1,348	1,248	455	0	0	0	0	0	0	0	0	0	6,847
Earnings before Income Taxes	2,186	42	2,971	648	2,076	1,922	700	0	0	0	0	0	0	0	0	0	10,546
Income Taxes	688	13	935	204	654	605	220	0	0	0	0	0	0	0	0	0	3,320
Net Earnings	1,498	28	2,036	444	1,423	1,317	480	0	0	0	0	0	0	0	0	0	7,225
Gross Revenue Requirement	12,137	14,328	14,252	2,694	7,596	6,488	2,628	0	0	0	0	0	0	0	0	0	60,122
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	(35)	(1)	(47)	(10)	(247)	(30)	(82)	0	0	0	0	0	0	0	0	0	(452)
Net Revenue Requirement	12,102	14,327	12,290	2,684	7,348	6,458	2,545	0	0	0	0	0	0	0	0	0	57,755



MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement, Energy Related (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	1,444	95,099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96,543
ECAM Adjustment	0	(2,047)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,047)
Net Energy Costs	1,444	93,053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94,497
Distribution	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	419	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	493
Total Operating Expenses	1,888	93,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95,015
Amortization																	
Amortization Other	28	371	0	0	0	0	0	0	0	0	0	0	0	0	0	0	399
Amortization Plant And Equipme	2,123	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,141
Total Amortization	2,151	388	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,540
Total Operating Income	4,040	93,515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97,555
Financing Expenses																	
Long-Term Debt	662	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	836
Short-Term Debt	34	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Interest Charged To Constructio	(25)	(6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(31)
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Financing Expenses	672	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	849
Earnings before Income Taxes	1,035	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,308
Income Taxes	326	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	412
Net Earnings	709	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	896
Gross Revenue Requirement	5,747	93,964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99,712
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	(16)	(4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21)
Net Revenue Requirement	5,731	93,960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99,691

MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement, Site Related (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	0	0	0	0	43	31	36	13	3	0	0	0	0	0	0	1	127
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	0	0	0	0	43	31	36	13	3	0	0	0	0	0	0	1	127
Distribution	0	0	0	0	845	437	291	432	0	158	0	0	0	0	0	39	2,202
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	457	238	152	0	0	0	0	0	0	0	0	0	847
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	671	332	254	493	62	615	907	592	455	119	0	47	4,547
Total Operating Expenses	0	0	0	0	2,016	1,038	732	939	65	773	907	592	455	119	0	86	7,723
Amortization																	
Amortization Other	0	0	0	0	37	16	14	23	0	4	0	0	0	0	0	2	96
Amortization Plant And Equipme	0	0	0	0	2,118	1,157	727	2,200	696	27	15	22	5	5	0	292	7,264
Total Amortization	0	0	0	0	2,155	1,173	740	2,222	696	32	15	22	5	5	0	294	7,360
Total Operating Income	0	0	0	0	4,171	2,211	1,473	3,161	761	805	922	615	460	124	0	381	15,084
Financing Expenses																	
Long-Term Debt	0	0	0	0	1,328	820	448	1,251	452	7	14	19	5	4	0	139	4,486
Short-Term Debt	0	0	0	0	69	43	23	65	23	0	1	1	0	0	0	7	233
Interest Charged To Constructi	0	0	0	0	(49)	(31)	(17)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(167)
Amortization of Financing Costs	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
Total Financing Expenses	0	0	0	0	1,348	832	455	1,270	459	7	14	19	5	4	0	141	4,555
Earnings before Income Taxes	0	0	0	0	2,076	1,282	700	1,957	707	11	22	30	7	7	0	217	7,015
Income Taxes	0	0	0	0	654	404	220	616	222	4	7	9	2	2	0	68	2,209
Net Earnings	0	0	0	0	1,423	878	480	1,341	484	8	15	21	5	4	0	149	4,807
Gross Revenue Requirement	0	0	0	0	7,596	4,325	2,628	6,388	1,926	824	958	664	472	134	0	739	26,654
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	(247)	(20)	(82)	(31)	(11)	(0)	(0)	(0)	(0)	(464)	(639)	(3)	(1,500)
Net Revenue Requirement	0	0	0	0	7,348	4,305	2,545	6,357	1,915	824	957	664	472	(329)	(639)	735	25,155

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	4,023	109,473	3,340	0	0	0	0	0	0	0	0	0	0	0	0	0	116,837
ECAM Adjustment	0	(2,359)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,359)
Net Energy Costs	4,023	107,115	3,340	0	0	0	0	0	0	0	0	0	0	0	0	0	114,478
Distribution	0	0	0	113	0	452	0	0	0	158	0	0	0	0	0	0	723
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	117
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	0	0	0	0	0	0	0	0	0	393	0	0	250	0	0	0	643
Total Operating Expenses	4,023	107,115	4,786	230	0	452	0	0	0	551	0	0	250	0	0	0	117,407
Amortization																	
Amortization Other	0	421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	421
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	421
Total Operating Income	4,023	107,536	4,786	230	0	452	0	0	0	551	0	0	250	0	0	0	117,828
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	4,023	107,536	4,786	230	0	452	0	0	0	551	0	0	250	0	0	0	117,828
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	(464)	(639)	0	(1,103)
Net Revenue Requirement	4,023	107,536	2,872	230	0	452	0	0	0	551	0	0	250	(464)	(639)	0	114,811

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
For Allocation (First)																	
	ECC	SCADA	Environm ental	Primary & Secondar y	Call Center	Labour	Customer Service	Finance Labour	Finance Admin	Head Office	T&D Plant	Right of Way Amortizat ion	Distributi on Lines	Distributi on Network	Total Plant		Total
Operating Expenses																	
Energy Costs	763	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0	847
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	763	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0	847
Distribution	0	318	0	0	0	0	0	0	0	0	0	0	1,431	2,003	0	0	3,752
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	1,939	0	0	1,939
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	3	0	894	4,282	431	367	868	130	299	0	0	0	39	0	7,313
Total Operating Expenses	763	318	3	0	894	4,282	431	367	868	130	383	0	1,431	3,942	39	0	13,851
Amortization																	
Amortization Other	0	0	0	0	0	362	0	0	0	0	0	68	0	0	0	0	430
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	362	0	0	0	0	0	68	0	0	0	0	430
Total Operating Income	763	318	3	0	894	4,644	431	367	868	130	383	68	1,431	3,942	39	0	14,281
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	763	318	3	0	894	4,644	431	367	868	130	383	68	1,431	3,942	39	0	14,281
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	(571)	0	0	0	0	0	0	0	0	0	0	0	0	(571)
Net Revenue Requirement	763	318	3	(571)	894	4,644	431	367	868	130	383	68	1,431	3,942	39	0	13,710

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
For Allocation (Second)																	
	Amortization	G&T Rate Base	Rate Base Excluding WC	Rate Base													Total
<b>Operating Expenses</b>																	
Energy Costs	0	781	0	0	0	0	0	0	0	0	0	0	0	0	0	0	781
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	0	781	0	0	0	0	0	0	0	0	0	0	0	0	0	0	781
Distribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	1,104	0	0	0	0	0	0	0	0	0	0	0	0	0	1,104
<b>Total Operating Expenses</b>	<b>0</b>	<b>781</b>	<b>1,104</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,885</b>
<b>Amortization</b>																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipment	21,373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,373
<b>Total Amortization</b>	<b>21,373</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,373</b>
<b>Total Operating Income</b>	<b>21,373</b>	<b>781</b>	<b>1,104</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,258</b>
<b>Financing Expenses</b>																	
Long-Term Debt	0	0	0	12,065	0	0	0	0	0	0	0	0	0	0	0	0	12,065
Short-Term Debt	0	0	0	627	0	0	0	0	0	0	0	0	0	0	0	0	627
Interest Charged To Construction	0	0	0	(450)	0	0	0	0	0	0	0	0	0	0	0	0	(450)
Amortization of Financing Costs	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
<b>Total Financing Expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,252</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,252</b>
Earnings before Income Taxes	0	0	0	18,869	0	0	0	0	0	0	0	0	0	0	0	0	18,869
Income Taxes	0	0	0	5,941	0	0	0	0	0	0	0	0	0	0	0	0	5,941
<b>Net Earnings</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,928</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,928</b>
Gross Revenue Requirement	21,373	781	1,104	31,121	0	0	0	0	0	0	0	0	0	0	0	0	54,378
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	(298)	0	0	0	0	0	0	0	0	0	0	0	0	(298)
<b>Net Revenue Requirement</b>	<b>21,373</b>	<b>781</b>	<b>1,104</b>	<b>30,822</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54,080</b>

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Environmental	50.0 %	0.0 %	0.0 %	1.9 %	0.0 %	48.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Customer Service	0.0 %	0.0 %	2.8 %	0.0 %	1.8 %	1.8 %	1.8 %	0.0 %	0.0 %	27.8 %	11.0 %	22.0 %	25.5 %	5.5 %	0.0 %	0.0 %	100.0 %
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Finance Admin	3.5 %	0.2 %	6.6 %	1.2 %	6.6 %	4.0 %	2.3 %	3.2 %	0.5 %	0.2 %	64.3 %	7.1 %	0.0 %	0.0 %	0.0 %	0.3 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Right of Way Amortization	0.0 %	0.0 %	94.1 %	0.0 %	3.0 %	2.0 %	1.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Total Plant	19.1 %	0.1 %	18.3 %	3.5 %	21.5 %	14.3 %	7.3 %	12.0 %	2.4 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Amortization	30.9 %	0.1 %	11.0 %	2.6 %	19.8 %	13.5 %	6.8 %	10.3 %	3.3 %	0.1 %	0.1 %	0.1 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
G&T Rate Base	52.0 %	0.0 %	48.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Rate Base Excluding WC	17.3 %	0.5 %	15.9 %	3.5 %	22.3 %	17.2 %	7.5 %	10.5 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
Rate Base	17.1 %	1.7 %	15.7 %	3.4 %	22.0 %	17.0 %	7.4 %	10.4 %	3.7 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	64	127	210	194	86	78	71	13	3	0	0	0	0	0	0	1	847
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	64	127	210	194	86	78	71	13	3	0	0	0	0	0	0	1	847
Distribution	80	0	80	209	1,691	641	581	432	0	0	0	0	0	0	0	39	3,752
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	126	914	595	305	0	0	0	0	0	0	0	0	0	1,939
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	1,112	80	1,234	253	1,096	640	425	377	20	222	906	591	205	118	0	34	7,313
Total Operating Expenses	1,255	207	1,524	782	3,786	1,954	1,382	823	23	222	906	591	205	118	0	73	13,851
Amortization																	
Amortization Other	88	6	146	18	74	41	27	23	0	4	0	0	0	0	0	2	430
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	88	6	146	18	74	41	27	23	0	4	0	0	0	0	0	2	430
Total Operating Income	1,343	213	1,671	801	3,860	1,995	1,409	845	23	226	906	591	205	118	0	75	14,281
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	1,343	213	1,671	801	3,860	1,995	1,409	845	23	226	906	591	205	118	0	75	14,281
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	(429)	0	(143)	0	0	0	0	0	0	0	0	0	(571)
Net Revenue Requirement	1,343	213	1,671	801	3,431	1,995	1,266	845	23	226	906	591	205	118	0	75	13,710

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Second Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	406	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	781
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	406	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	781
Distribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	191	6	176	38	246	190	83	116	42	1	1	2	0	0	0	13	1,104
Total Operating Expenses	597	6	550	38	246	190	83	116	42	1	1	2	0	0	0	13	1,885
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Amortization	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Operating Income	7,204	26	2,895	595	4,482	3,082	1,537	2,316	738	28	17	24	5	5	0	305	23,258
Financing Expenses																	
Long-Term Debt	2,060	201	1,900	414	2,655	2,049	896	1,251	452	7	14	19	5	4	0	139	12,065
Short-Term Debt	107	10	99	22	138	107	47	65	23	0	1	1	0	0	0	7	627
Interest Charged To Constructi	(77)	(7)	(71)	(15)	(99)	(76)	(33)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(450)
Amortization of Financing Costs	1	0	1	0	2	1	1	1	0	0	0	0	0	0	0	0	9
Total Financing Expenses	2,092	204	1,929	421	2,697	2,080	909	1,270	459	7	14	19	5	4	0	141	12,252
Earnings before Income Taxes	3,222	314	2,971	648	4,153	3,204	1,401	1,957	707	11	22	30	7	7	0	217	18,869
Income Taxes	1,014	99	935	204	1,307	1,009	441	616	222	4	7	9	2	2	0	68	5,941
Net Earnings	2,207	215	2,036	444	2,845	2,195	960	1,341	484	8	15	21	5	4	0	149	12,928
Gross Revenue Requirement	12,518	544	7,795	1,663	11,331	8,366	3,847	5,543	1,903	47	52	74	17	16	0	663	54,378
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	(51)	(5)	(47)	(10)	(66)	(51)	(22)	(31)	(11)	(0)	(0)	(0)	(0)	(0)	0	(3)	(298)
Net Revenue Requirement	12,467	539	7,748	1,653	11,265	8,315	3,825	5,512	1,892	47	52	73	17	16	0	660	54,080



MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	4,493	109,601	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	118,465
ECAM Adjustment	0	(2,359)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,359)
Net Energy Costs	4,493	107,242	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	116,106
Distribution	80	0	80	322	1,691	1,093	581	432	0	158	0	0	0	0	0	39	4,476
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	243	914	595	305	0	0	0	0	0	0	0	0	0	2,056
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	1,303	85	1,410	292	1,342	830	508	493	62	615	907	592	455	119	0	47	9,060
Total Operating Expenses	5,875	107,327	6,861	1,051	4,032	2,596	1,465	939	65	773	907	592	455	119	0	86	133,143
Amortization																	
Amortization Other	88	427	146	18	74	41	27	23	0	4	0	0	0	0	0	2	851
Amortization Plant And Equipme	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Amortization	6,695	448	2,491	575	4,309	2,933	1,481	2,222	696	32	15	22	5	5	0	294	22,224
Total Operating Income	12,570	107,775	9,352	1,626	8,342	5,529	2,946	3,161	761	805	922	615	460	124	0	381	155,367
Financing Expenses																	
Long-Term Debt	2,060	201	1,900	414	2,655	2,049	896	1,251	452	7	14	19	5	4	0	139	12,065
Short-Term Debt	107	10	99	22	138	107	47	65	23	0	1	1	0	0	0	7	627
Interest Charged To Constructio	(77)	(7)	(71)	(15)	(99)	(76)	(33)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(450)
Amortization of Financing Costs	1	0	1	0	2	1	1	1	0	0	0	0	0	0	0	0	9
Total Financing Expenses	2,092	204	1,929	421	2,697	2,080	909	1,270	459	7	14	19	5	4	0	141	12,252
Earnings before Income Taxes	3,222	314	2,971	648	4,153	3,204	1,401	1,957	707	11	22	30	7	7	0	217	18,869
Income Taxes	1,014	99	935	204	1,307	1,009	441	616	222	4	7	9	2	2	0	68	5,941
Net Earnings	2,207	215	2,036	444	2,845	2,195	960	1,341	484	8	15	21	5	4	0	149	12,928
Gross Revenue Requirement	17,884	108,293	14,252	2,694	15,191	10,813	5,256	6,388	1,926	824	958	664	472	134	0	739	186,488
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	(51)	(5)	(47)	(10)	(494)	(51)	(165)	(31)	(11)	(0)	(0)	(0)	(0)	(464)	(639)	(3)	(1,973)
Net Revenue Requirement	17,833	108,288	12,290	2,684	14,697	10,763	5,091	6,357	1,915	824	957	664	472	(329)	(639)	735	182,601

MECL 2017 Cost Allocation Model

Schedule 3.2																		
Functionalized Labour																		
Direct Assigned (\$,000)																		
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total	
Operating Expenses																		
Energy Costs	1,582	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,603
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	1,582	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,603
Distribution	0	0	0	45	0	293	0	0	0	84	0	0	0	0	0	0	0	422
Transmission	0	0	1,134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,134
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	0	3,347
Amortization																		
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	0	3,347
Financing Expenses																		
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	0	3,347
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	0	3,347

MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
For Allocation																	
	ECC	SCADA	T&D Plant	Distributi on Lines	Distributi on												Total
Operating Expenses																	
Energy Costs	728	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	812
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	728	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	812
Distribution	0	162	0	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	2,780
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592

MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Operating Expenses</b>																	
Energy Costs	61	121	201	186	83	75	68	13	3	0	0	0	0	0	0	1	812
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	61	121	201	186	83	75	68	13	3	0	0	0	0	0	0	1	812
Distribution	41	0	41	120	1,292	390	440	421	0	0	0	0	0	0	0	38	2,780
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Operating Expenses</b>	<b>101</b>	<b>121</b>	<b>242</b>	<b>306</b>	<b>1,374</b>	<b>465</b>	<b>508</b>	<b>434</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>3,592</b>
<b>Amortization</b>																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Amortization</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Operating Income</b>	<b>101</b>	<b>121</b>	<b>242</b>	<b>306</b>	<b>1,374</b>	<b>465</b>	<b>508</b>	<b>434</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>3,592</b>
<b>Financing Expenses</b>																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Financing Expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Net Earnings</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Gross Revenue Requirement	101	121	242	306	1,374	465	508	434	3	0	0	0	0	0	0	39	3,592
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Net Revenue Requirement</b>	<b>101</b>	<b>121</b>	<b>242</b>	<b>306</b>	<b>1,374</b>	<b>465</b>	<b>508</b>	<b>434</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>3,592</b>

MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	1,642	121	223	186	83	75	68	13	3	0	0	0	0	0	0	1	2,415
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	1,642	121	223	186	83	75	68	13	3	0	0	0	0	0	0	1	2,415
Distribution	41	0	41	165	1,292	683	440	421	0	84	0	0	0	0	0	38	3,202
Transmission	0	0	1,134	0	0	0	0	0	0	0	0	0	0	0	0	0	1,134
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	188	0	0	0	0	0	0	0	0	0	0	0	0	0	188
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	36
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Distribution	0	0	0	2	0	57	0	0	0	8	0	0	0	0	0	0	68
Transmission	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
For Allocation																	
	ECC	SCADA	T&D Plant	Distribution Lines	Distribution												Total
Operating Expenses																	
Energy Costs	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Distribution	0	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	189
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	2	3	5	5	2	2	2	0	0	0	0	0	0	0	0	0	21
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	2	3	5	5	2	2	2	0	0	0	0	0	0	0	0	0	21
Distribution	3	0	3	14	84	51	29	4	0	0	0	0	0	0	0	0	189
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209



MECL 2017 Cost Allocation Model

Schedule 3.3																		
Functionalized Vehicle																		
Total																		
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total	
Operating Expenses																		
Energy Costs	36	3	7	5	2	2	2	0	0	0	0	0	0	0	0	0	0	56
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	36	3	7	5	2	2	2	0	0	0	0	0	0	0	0	0	0	56
Distribution	3	0	3	16	84	108	29	4	0	8	0	0	0	0	0	0	0	257
Transmission	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	0	369
Amortization																		
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	0	369
Financing Expenses																		
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	0	369
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	0	369

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	61,459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61,459
Transmission & Distribution																	
Substations	0	0	857	2,479	0	0	0	0	0	0	0	0	0	0	0	0	3,336
Lines and Line Transformers	0	0	45,138	0	0	62,090	0	40,371	0	0	0	0	0	0	0	0	147,600
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	14,665	0	0	0	0	0	0	0	14,665
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,456	4,456
Total Transmission & Distrib	0	0	45,996	2,479	0	62,090	0	40,371	14,665	0	0	0	0	0	0	4,456	170,057
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	61,459	0	45,996	2,479	0	62,090	0	40,371	14,665	0	0	0	0	0	0	4,456	231,517
Contributions - Net	0	0	(13,252)	0	0	0	0	0	0	0	0	0	0	0	0	0	(13,252)
Future Income Taxes																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECAM	0	(780)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(780)
Deferred Charges	(534)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(534)
Employee Future Benefits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM	0	(48)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(48)
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Future Income Taxes	(534)	(829)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,363)
Deferred Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	2,517	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,517
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Asset - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intangible Assets																	
Right of Ways	0	0	3,080	0	0	0	0	0	0	0	0	0	0	0	0	0	3,080
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	3,080	0	0	0	0	0	0	0	0	0	0	0	0	0	3,080
Deferred Charge	1,880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,880
Working Capital																	
Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Working Capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	62,804	1,689	35,825	2,479	0	62,090	0	40,371	14,665	0	0	0	0	0	0	4,456	224,379

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
For Allocation																	
First Allocation												Second Allocation		Third Allocation			
	Substations 1841 Account	ECC	SCADA	Primary & Secondary	Distribution Facilities	Distribution Lines	Distribution Network	Transportation	Labour	Head Office	Contributions Related Distribution Plant	Net Plant	Rate Base Excluding WC	O&M			Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	29,608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,608
Lines and Line Transformers	0	0	0	106,089	0	0	2,847	0	0	0	0	0	0	0	0	0	108,936
SCADA and Communications	0	0	4,459	0	0	0	0	0	0	0	0	0	0	0	0	0	4,459
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distribution	29,608	0	4,459	106,089	0	0	2,847	0	0	0	0	0	0	0	0	0	143,003
Administrative & General	0	420	0	0	0	0	4,860	6,772	3,517	3,155	0	0	0	0	0	0	18,724
Gross Fixed Assets	29,608	420	4,459	106,089	0	0	7,707	6,772	3,517	3,155	0	0	0	0	0	0	161,726
Contributions - Net	0	0	0	0	0	0	0	0	0	0	(11,744)	0	0	0	0	0	(11,744)
<b>Future Income Taxes</b>																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	(56,484)	0	0	0	0	(56,484)
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	0	0	0	0	0	0	0	0	3,271	0	0	0	0	0	0	0	3,271
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	4,842	0	0	0	0	4,842
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	25,967	0	0	0	0	25,967
Other	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	35
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	13,228	0	0	0	0	13,228
Total Future Income Taxes	0	0	0	0	0	0	0	0	3,271	0	0	(12,412)	0	0	0	0	(9,142)
Deferred Financing Costs	0	0	0	0	0	0	0	0	0	0	0	652	0	0	0	0	652
Unrecoverd pre-2004 costs recoverd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recoverd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	(15,619)	0	0	0	0	(15,619)
Regulatory Asset - Other	0	0	0	0	0	0	0	0	(9,352)	0	0	0	0	0	0	0	(9,352)
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	222	0	0	0	0	0	0	0	0	0	0	0	222
Software	0	0	0	0	0	0	0	0	675	0	0	0	0	0	0	0	675
Total Intangible Assets	0	0	0	0	222	0	0	0	675	0	0	0	0	0	0	0	897
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Working Capital</b>																	
Inventory	0	0	0	0	0	4,018	0	0	0	0	0	0	0	0	0	0	4,018
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	4,955	0	0	4,955
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	327	0	0	0	327
Total Working Capital	0	0	0	0	0	4,018	0	0	0	0	0	0	327	4,955	0	0	9,301
<b>Total</b>	<b>29,608</b>	<b>420</b>	<b>4,459</b>	<b>106,089</b>	<b>222</b>	<b>4,018</b>	<b>7,707</b>	<b>6,772</b>	<b>(1,890)</b>	<b>3,155</b>	<b>(11,744)</b>	<b>(27,380)</b>	<b>327</b>	<b>4,955</b>	<b>0</b>	<b>0</b>	<b>126,719</b>

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
Contributions Related Distribution	0.0 %	0.0 %	0.0 %	0.0 %	36.3 %	23.6 %	12.1 %	21.8 %	4.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	100.0 %
Net Plant	17.3 %	0.1 %	16.3 %	3.6 %	22.1 %	17.4 %	7.5 %	10.3 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Rate Base Excluding WC	17.3 %	0.5 %	15.9 %	3.5 %	22.3 %	17.2 %	7.5 %	10.5 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
O&M	4.0 %	81.8 %	4.8 %	0.8 %	2.9 %	1.8 %	1.1 %	0.6 %	0.0 %	0.6 %	0.7 %	0.5 %	0.3 %	0.1 %	0.0 %	0.1 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	21,197	8,410	0	0	0	0	0	0	0	0	0	0	0	0	29,608
Lines and Line Transformers	0	0	0	184	80,908	874	26,969	0	0	0	0	0	0	0	0	0	108,936
SCADA and Communications	1,115	0	1,115	1,115	372	372	372	0	0	0	0	0	0	0	0	0	4,459
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	1,115	0	22,312	9,710	81,280	1,245	27,341	0	0	0	0	0	0	0	0	0	143,003
Administrative & General	1,834	209	2,566	1,063	5,026	4,201	1,792	469	25	270	397	577	126	126	0	42	18,724
Gross Fixed Assets	2,949	209	24,878	10,773	86,305	5,447	29,133	469	25	270	397	577	126	126	0	42	161,726
Contributions - Net	0	0	0	0	(4,258)	(2,773)	(1,419)	(2,556)	(510)	0	0	0	0	0	0	(228)	(11,744)
<b>Future Income Taxes</b>																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	793	57	747	165	648	357	239	204	1	40	0	0	0	0	0	18	3,271
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Future Income Taxes	793	57	747	165	648	357	239	204	1	40	0	0	0	0	0	18	3,271
Deferred Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Asset - Other	(2,268)	(164)	(2,136)	(472)	(1,852)	(1,022)	(684)	(585)	(4)	(113)	0	0	0	0	0	(52)	(9,352)
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	112	73	37	0	0	0	0	0	0	0	0	0	222
Software	164	12	154	34	134	74	49	42	0	8	0	0	0	0	0	4	675
Total Intangible Assets	164	12	154	34	246	147	87	42	0	8	0	0	0	0	0	4	897
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Working Capital</b>																	
Inventory	0	0	0	0	2,022	0	674	1,214	0	0	0	0	0	0	0	108	4,018
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Working Capital	0	0	0	0	2,022	0	674	1,214	0	0	0	0	0	0	0	108	4,018
<b>Total</b>	<b>1,638</b>	<b>115</b>	<b>23,643</b>	<b>10,500</b>	<b>83,111</b>	<b>2,156</b>	<b>28,030</b>	<b>(1,211)</b>	<b>(487)</b>	<b>204</b>	<b>397</b>	<b>577</b>	<b>126</b>	<b>126</b>	<b>0</b>	<b>(108)</b>	<b>148,816</b>

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Second Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contributions - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Taxes																	
Fixed Assets Recovery	(9,799)	(34)	(9,235)	(2,016)	(12,488)	(9,850)	(4,219)	(5,816)	(2,152)	(42)	(60)	(88)	(19)	(19)	0	(648)	(56,484)
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	840	3	792	173	1,070	844	362	499	184	4	5	8	2	2	0	56	4,842
Future Income Tax Asset	4,505	15	4,245	927	5,741	4,528	1,939	2,674	989	19	28	40	9	9	0	298	25,967
Other	6	0	6	1	8	6	3	4	1	0	0	0	0	0	0	0	35
Tax Adjustments for CAR	2,295	8	2,163	472	2,925	2,307	988	1,362	504	10	14	21	4	4	0	152	13,228
Total Future Income Taxes	(2,153)	(7)	(2,029)	(443)	(2,744)	(2,165)	(927)	(1,278)	(473)	(9)	(13)	(19)	(4)	(4)	0	(142)	(12,412)
Deferred Financing Costs	113	0	107	23	144	114	49	67	25	0	1	1	0	0	0	7	652
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	(2,710)	(9)	(2,554)	(558)	(3,453)	(2,724)	(1,167)	(1,608)	(595)	(12)	(17)	(24)	(5)	(5)	0	(179)	(15,619)
Regulatory Asset - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intangible Assets																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Working Capital																	
Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Working Capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(4,750)	(16)	(4,476)	(977)	(6,053)	(4,775)	(2,045)	(2,819)	(1,043)	(20)	(29)	(42)	(9)	(9)	0	(314)	(27,380)

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Third Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contributions - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Future Income Taxes</b>																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Deferred Financing Costs</b>																	
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Asset - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Working Capital</b>																	
Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross operating expenses	199	4,052	238	38	143	91	52	31	1	29	34	22	17	4	0	3	4,955
Income taxes paid	56	2	52	11	73	56	25	34	12	0	0	1	0	0	0	4	327
Total Working Capital	256	4,053	290	50	216	147	77	65	13	29	35	23	17	5	0	7	5,283
Total	256	4,053	290	50	216	147	77	65	13	29	35	23	17	5	0	7	5,283

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	61,459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61,459
Transmission & Distribution																	
Substations	0	0	22,055	10,889	0	0	0	0	0	0	0	0	0	0	0	0	32,944
Lines and Line Transformers	0	0	45,138	184	80,908	62,964	26,969	40,371	0	0	0	0	0	0	0	0	256,535
SCADA and Communications	1,115	0	1,115	1,115	372	372	372	0	0	0	0	0	0	0	0	0	4,459
Meters	0	0	0	0	0	0	0	0	14,665	0	0	0	0	0	0	0	14,665
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,456	4,456
Total Transmission & Distrib	1,115	0	68,308	12,188	81,280	63,335	27,341	40,371	14,665	0	0	0	0	0	0	4,456	313,060
Administrative & General	1,834	209	2,566	1,063	5,026	4,201	1,792	469	25	270	397	577	126	126	0	42	18,724
Gross Fixed Assets	64,408	209	70,874	13,252	86,305	67,537	29,133	40,840	14,691	270	397	577	126	126	0	4,498	393,243
Contributions - Net	0	0	(13,252)	0	(4,258)	(2,773)	(1,419)	(2,556)	(510)	0	0	0	0	0	0	(228)	(24,996)
Future Income Taxes																	0
Fixed Assets Recovery	(9,799)	(34)	(9,235)	(2,016)	(12,488)	(9,850)	(4,219)	(5,816)	(2,152)	(42)	(60)	(88)	(19)	(19)	0	(648)	(56,484)
ECAM	0	(780)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(780)
Deferred Charges	(534)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(534)
Employee Future Benefits	793	57	747	165	648	357	239	204	1	40	0	0	0	0	0	18	3,271
DSM	0	(48)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(48)
Future Income Tax Liability	840	3	792	173	1,070	844	362	499	184	4	5	8	2	2	0	56	4,842
Future Income Tax Asset	4,505	15	4,245	927	5,741	4,528	1,939	2,674	989	19	28	40	9	9	0	298	25,967
Other	6	0	6	1	8	6	3	4	1	0	0	0	0	0	0	0	35
Tax Adjustments for CAR	2,295	8	2,163	472	2,925	2,307	988	1,362	504	10	14	21	4	4	0	152	13,228
Total Future Income Taxes	(1,895)	(779)	(1,282)	(278)	(2,096)	(1,807)	(688)	(1,074)	(472)	30	(13)	(19)	(4)	(4)	0	(124)	(10,505)
Deferred Financing Costs	113	0	107	23	144	114	49	67	25	0	1	1	0	0	0	7	652
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	2,517	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,517
Regulatory Liabilities - Other	(2,710)	(9)	(2,554)	(558)	(3,453)	(2,724)	(1,167)	(1,608)	(595)	(12)	(17)	(24)	(5)	(5)	0	(179)	(15,619)
Regulatory Asset - Other	(2,268)	(164)	(2,136)	(472)	(1,852)	(1,022)	(684)	(585)	(4)	(113)	0	0	0	0	0	(52)	(9,352)
Intangible Assets																	
Right of Ways	0	0	3,080	0	112	73	37	0	0	0	0	0	0	0	0	0	3,302
Software	164	12	154	34	134	74	49	42	0	8	0	0	0	0	0	4	675
Total Intangible Assets	164	12	3,235	34	246	147	87	42	0	8	0	0	0	0	0	4	3,977
Deferred Charge	1,880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,880
Working Capital																	0
Inventory	0	0	0	0	2,022	0	674	1,214	0	0	0	0	0	0	0	108	4,018
Gross operating expenses	199	4,052	238	38	143	91	52	31	1	29	34	22	17	4	0	3	4,955
Income taxes paid	56	2	52	11	73	56	25	34	12	0	0	1	0	0	0	4	327
Total Working Capital	256	4,053	290	50	2,238	147	751	1,279	13	29	35	23	17	5	0	115	9,301
Total	59,948	5,841	55,281	12,051	77,273	59,619	26,062	36,406	13,149	213	402	557	134	121	0	4,040	351,098



MECL 2017 Cost Allocation Model

Schedule 3.5																	
Functionalized Contributions Related Distribution Plant																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	79,816	0	73,674	0	0	0	0	0	0	0	0	153,490
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Total Transmission & Distrib	0	0	0	0	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	174,760
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	174,760
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,816</b>	<b>0</b>	<b>73,674</b>	<b>14,691</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,580</b>	<b>174,760</b>
<b>For Allocation</b>																	
	Primary &	Distributi on															Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	163,413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163,413
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	163,413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163,413
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	163,413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163,413
<b>Intangible Assets</b>																	
Right of Ways	0	282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>163,413</b>	<b>282</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163,695</b>
<b>Required Allocation Factors</b>																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.5																	
Functionalized Contributions Related Distribution Plant																	
Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122,702</b>	<b>93</b>	<b>40,901</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163,695</b>
<b>Total</b>																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	122,560	79,816	40,853	73,674	0	0	0	0	0	0	0	0	316,902
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Total Transmission & Distrib	0	0	0	0	122,560	79,816	40,853	73,674	14,691	0	0	0	0	0	0	6,580	338,173
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	122,560	79,816	40,853	73,674	14,691	0	0	0	0	0	0	6,580	338,173
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122,702</b>	<b>79,908</b>	<b>40,901</b>	<b>73,674</b>	<b>14,691</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,580</b>	<b>338,455</b>

MECL 2017 Cost Allocation Model

Schedule 3.6																	
Functionalized Amortization																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	6,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,326
Transmission & Distribution																	
Substations	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	70
Lines and Line Transformers	0	0	1,745	0	0	2,626	0	2,285	0	0	0	0	0	0	0	0	6,656
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	726	0	0	0	0	0	0	0	726
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301	301
Total Transmission & Distrib	0	0	1,745	70	0	2,626	0	2,285	726	0	0	0	0	0	0	301	7,753
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	6,326	0	1,745	70	0	2,626	0	2,285	726	0	0	0	0	0	0	301	14,080
Contributions - Net	0	0	(448)	0	0	0	0	0	0	0	0	0	0	0	0	0	(448)
Total	6,326	0	1,298	70	0	2,626	0	2,285	726	0	0	0	0	0	0	301	13,632
For Allocation																	
	Substatio ns 1841 Account	ECC	SCADA	Primary & Secondar y	Distributi on Facilities	Distributi on Lines	Distributi on Network	Transport ation	Labour	Head Office	Contrib utions Related Distributi on Plant						Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	898	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	898
Lines and Line Transformers	0	0	0	5,352	0	0	(20)	0	0	0	0	0	0	0	0	0	5,332
SCADA and Communications	0	0	580	0	0	0	0	0	0	0	0	0	0	0	0	0	580
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	898	0	580	5,352	0	0	(20)	0	0	0	0	0	0	0	0	0	6,810
Administrative & General	0	17	0	0	0	0	214	802	558	124	0	0	0	0	0	0	1,716
Gross Fixed Assets	898	17	580	5,352	0	0	195	802	558	124	0	0	0	0	0	0	8,526
Contributions - Net	0	0	0	0	0	0	0	0	0	0	(478)	0	0	0	0	0	(478)
Total	898	17	580	5,352	0	0	195	802	558	124	(478)	0	0	0	0	0	8,048

MECL 2017 Cost Allocation Model

Schedule 3.6																	
Functionalized Amortization																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
Contributions Related Distribution	0.0 %	0.0 %	0.0 %	0.0 %	36.3 %	23.6 %	12.1 %	21.8 %	4.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	100.0 %
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	643	255	0	0	0	0	0	0	0	0	0	0	0	0	898
Lines and Line Transformers	0	0	0	(1)	4,005	(6)	1,335	0	0	0	0	0	0	0	0	0	5,332
SCADA and Communications	145	0	145	145	48	48	48	0	0	0	0	0	0	0	0	0	580
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	145	0	788	399	4,053	42	1,383	0	0	0	0	0	0	0	0	0	6,810
Administrative & General	231	21	293	96	417	378	149	51	1	28	16	23	5	5	0	5	1,716
Gross Fixed Assets	376	21	1,081	494	4,470	420	1,532	51	1	28	16	23	5	5	0	5	8,526
Contributions - Net	0	0	0	0	(173)	(113)	(58)	(104)	(21)	0	0	0	0	0	0	(9)	(478)
Total	376	21	1,081	494	4,297	307	1,475	(53)	(20)	28	16	23	5	5	0	(5)	8,048

MECL 2017 Cost Allocation Model

Schedule 3.6																	
Functionalized Amortization																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	6,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,326
Transmission & Distribution																	
Substations	0	0	643	325	0	0	0	0	0	0	0	0	0	0	0	0	968
Lines and Line Transformers	0	0	1,745	(1)	4,005	2,620	1,335	2,285	0	0	0	0	0	0	0	0	11,988
SCADA and Communications	145	0	145	145	48	48	48	0	0	0	0	0	0	0	0	0	580
Meters	0	0	0	0	0	0	0	0	726	0	0	0	0	0	0	0	726
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301	301
Total Transmission & Distrib	145	0	2,533	469	4,053	2,668	1,383	2,285	726	0	0	0	0	0	0	301	14,563
Administrative & General	231	21	293	96	417	378	149	51	1	28	16	23	5	5	0	5	1,716
Gross Fixed Assets	6,702	21	2,826	565	4,470	3,046	1,532	2,335	727	28	16	23	5	5	0	306	22,606
Contributions - Net	0	0	(448)	0	(173)	(113)	(58)	(104)	(21)	0	0	0	0	0	0	(9)	(926)
Total	6,702	21	2,378	565	4,297	2,933	1,475	2,231	706	28	16	23	5	5	0	297	21,680

MECL 2017 Cost Allocation Model

Schedule 4.0																		
Functionalized Gross Plant																		
Direct Assigned (\$,000)																		
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total	
<b>Fixed Assets</b>																		
Production	112,119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112,119	
<b>Transmission &amp; Distribution</b>																		
Substations	0	0	882	3,226	0	0	0	0	0	0	0	0	0	0	0	0	4,107	
Lines and Line Transformers	0	0	66,481	0	0	79,816	0	73,674	0	0	0	0	0	0	0	0	219,970	
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691	
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580	
Total Transmission & Distrib	0	0	67,362	3,226	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	245,348	
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gross Fixed Assets	112,119	0	67,362	3,226	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	357,467	
<b>Intangible Assets</b>																		
Right of Ways	0	0	4,459	0	0	0	0	0	0	0	0	0	0	0	0	0	4,459	
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Intangible Assets	0	0	4,459	0	0	0	0	0	0	0	0	0	0	0	0	0	4,459	
<b>Total</b>	<b>112,119</b>	<b>0</b>	<b>71,821</b>	<b>3,226</b>	<b>0</b>	<b>79,816</b>	<b>0</b>	<b>73,674</b>	<b>14,691</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,580</b>	<b>361,926</b>	
<b>For Allocation</b>																		
	First Allocation				Second Al		Third Allocation											Total
	Substatio ns 1841 Account	ECC	SCADA	Primary & Secondar	Distributi on Facilities	Distributi on Network	Transport ation	Labour	Head Office									
<b>Fixed Assets</b>																		
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Transmission &amp; Distribution</b>																		
Substations	48,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48,014	
Lines and Line Transformers	0	0	0	163,413	0	2,687	0	0	0	0	0	0	0	0	0	0	166,100	
SCADA and Communications	0	0	11,468	0	0	0	0	0	0	0	0	0	0	0	0	0	11,468	
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Transmission & Distrib	48,014	0	11,468	163,413	0	2,687	0	0	0	0	0	0	0	0	0	0	225,582	
Administrative & General	0	716	0	0	0	7,434	11,453	4,454	5,307	0	0	0	0	0	0	0	29,363	
Gross Fixed Assets	48,014	716	11,468	163,413	0	10,121	11,453	4,454	5,307	0	0	0	0	0	0	0	254,945	
<b>Intangible Assets</b>																		
Right of Ways	0	0	0	0	282	0	0	0	0	0	0	0	0	0	0	0	282	
Software	0	0	0	0	0	0	0	2,623	0	0	0	0	0	0	0	0	2,623	
Total Intangible Assets	0	0	0	0	282	0	0	2,623	0	0	0	0	0	0	0	0	2,905	
<b>Total</b>	<b>48,014</b>	<b>716</b>	<b>11,468</b>	<b>163,413</b>	<b>282</b>	<b>10,121</b>	<b>11,453</b>	<b>7,077</b>	<b>5,307</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>257,850</b>	

MECL 2017 Cost Allocation Model

Schedule 4.0																	
Functionalized Gross Plant																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	34,375	13,639	0	0	0	0	0	0	0	0	0	0	0	0	48,014
Lines and Line Transformers	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
SCADA and Communications	2,867	0	2,867	2,867	956	956	956	0	0	0	0	0	0	0	0	0	11,468
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	2,867	0	37,242	16,506	123,515	956	41,809	0	0	0	0	0	0	0	0	0	222,895
Administrative & General	60	119	179	179	60	60	60	0	0	0	0	0	0	0	0	0	716
Gross Fixed Assets	2,927	119	37,421	16,685	123,575	1,015	41,868	0	0	0	0	0	0	0	0	0	223,611
Intangible Assets																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,927	119	37,421	16,685	123,575	1,015	41,868	0	0	0	0	0	0	0	0	0	223,611

MECL 2017 Cost Allocation Model

Schedule 4.0																	
Functionalized Gross Plant																	
Second Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>142</b>	<b>93</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>282</b>
<b>Third Allocation</b>																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	174	1,266	825	422	0	0	0	0	0	0	0	0	0	2,687
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	174	1,266	825	422	0	0	0	0	0	0	0	0	0	2,687
Administrative & General	2,678	209	3,816	1,494	7,770	6,639	2,738	699	42	437	667	970	212	212	0	62	28,647
Gross Fixed Assets	2,678	209	3,816	1,668	9,037	7,464	3,160	699	42	437	667	970	212	212	0	62	31,334
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	636	46	599	132	520	287	192	164	1	32	0	0	0	0	0	15	2,623
Total Intangible Assets	636	46	599	132	520	287	192	164	1	32	0	0	0	0	0	15	2,623
<b>Total</b>	<b>3,314</b>	<b>255</b>	<b>4,415</b>	<b>1,800</b>	<b>9,556</b>	<b>7,751</b>	<b>3,352</b>	<b>863</b>	<b>43</b>	<b>469</b>	<b>667</b>	<b>970</b>	<b>212</b>	<b>212</b>	<b>0</b>	<b>77</b>	<b>33,957</b>



MECL 2017 Cost Allocation Model

Schedule 4.0																	
Functionalized Gross Plant																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	112,119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112,119
Transmission & Distribution																	
Substations	0	0	35,257	16,865	0	0	0	0	0	0	0	0	0	0	0	0	52,121
Lines and Line Transformers	0	0	66,481	174	123,826	80,640	41,275	73,674	0	0	0	0	0	0	0	0	386,070
SCADA and Communications	2,867	0	2,867	2,867	956	956	956	0	0	0	0	0	0	0	0	0	11,468
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Total Transmission & Distrib	2,867	0	104,605	19,906	124,781	81,596	42,231	73,674	14,691	0	0	0	0	0	0	6,580	470,930
Administrative & General	2,738	328	3,995	1,673	7,830	6,699	2,798	699	42	437	667	970	212	212	0	62	29,363
Gross Fixed Assets	117,724	328	108,600	21,578	132,611	88,295	45,029	74,373	14,733	437	667	970	212	212	0	6,642	612,412
Intangible Assets																	
Right of Ways	0	0	4,459	0	142	93	47	0	0	0	0	0	0	0	0	0	4,741
Software	636	46	599	132	520	287	192	164	1	32	0	0	0	0	0	15	2,623
Total Intangible Assets	636	46	5,058	132	662	379	239	164	1	32	0	0	0	0	0	15	7,364
<b>Total</b>	<b>118,360</b>	<b>374</b>	<b>113,658</b>	<b>21,711</b>	<b>133,273</b>	<b>88,674</b>	<b>45,268</b>	<b>74,537</b>	<b>14,734</b>	<b>469</b>	<b>667</b>	<b>970</b>	<b>212</b>	<b>212</b>	<b>0</b>	<b>6,657</b>	<b>619,776</b>

## MECL 2017 Cost Allocation Model

Schedule 4.1	
Revenue Requirement Summary	
Operating Expenses	(\$,0000)
Energy Costs	118,465
ECAM Adjustment	(2,359)
Net Energy Costs	116,106
Distribution	4,476
Transmission	1,220
Transmission and Distribution -	2,056
Transmission - OATT	225
General	9,060
Total Operating Expenses	133,143
Amortization	
Amortization Other	851
Amortization Plant And Equipme	21,373
Total Amortization	22,224
Total Operating Income	155,367
Financing Expenses	
Long-Term Debt	12,065
Short-Term Debt	627
Interest Charged To Constructio	(450)
Amortization of Financing Costs	9
Total Financing Expenses	12,252
Earnings before Income Taxes	18,869
Income Taxes	5,941
Net Earnings	12,928
Gross Revenue Requirement	186,488
OATT Revenue	(1,914)
Other Revenue	(1,973)
Net Revenue Requirement	182,601

## MECL 2017 Cost Allocation Model

Schedule 4.2				
Rate Base (\$,000)				
	Open	Close	Mid Year	Basis for Functionalization
<b>Fixed Assets</b>				
Production	63,677	59,242	61,459	Detailed Analysis
Transmission & Distribution				
Substations	31,955	33,933	32,944	Detailed Analysis
Lines and Line Transformers	248,599	264,472	256,535	Detailed Analysis
SCADA and Communications	4,094	4,825	4,459	Detailed Analysis
Meters	14,773	14,558	14,665	Detailed Analysis
Street & Private Area Lights	4,271	4,640	4,456	Detailed Analysis
Total Transmission & Distrib	303,691	322,428	313,060	
Administrative & General	18,342	19,106	18,724	Detailed Analysis
Net Fixed Assets	385,710	400,776	393,243	
Contributions - Net	(25,239)	(24,752)	(24,996)	Detailed Analysis
Future Income Taxes				
Fixed Assets Recovery	(55,226)	(57,742)	(56,484)	Net Plant
ECAM	(669)	(892)	(780)	Purchased Power
Deferred Charges	(550)	(519)	(534)	Generation
Employee Future Benefits	3,567	2,975	3,271	Labour
DSM	(45)	(52)	(48)	Purchased Power
Future Income Tax Liability	5,216	4,468	4,842	Net Plant
Future Income Tax Asset	18,958	32,975	25,967	Net Plant
Other	10	59	35	Net Plant
Tax Adjustments for CAR	13,162	13,294	13,228	Net Plant
Total Future Income Taxes	(15,576)	(5,434)	(10,505)	Net Plant
Deferred Financing Costs	656	648	652	Net Plant
Unrecoverd pre-2004 costs recove	0	0	0	Purchased Power
Unrecoverd post-2003 costs recove	2,158	2,877	2,517	Purchased Power
Regulatory Liabilities - Other	(16,827)	(14,412)	(15,619)	Net Plant
Regulatory Asset - Other	(10,495)	(8,209)	(9,352)	Labour
Intangible Assets				
Right of Ways	3,332	3,272	3,302	Detailed Analysis
Software	707	643	675	Detailed Analysis
Total Intangible Assets	4,039	3,915	3,977	
Deferred Charge	1,918	1,841	1,880	Generation
Working Capital				
Inventory	4,367	3,669	4,018	Distribution Lines
Gross operating expenses	4,837	5,074	4,955	O&M
Income taxes paid	126	528	327	Rate Base Excluding WC
Total Working Capital	9,330	9,271	9,301	
Rate Base	335,675	366,521	351,098	

MECL 2017 Cost Allocation Model

Schedule 5.0																	
Functional Allocator Summary																	
Percent (%)																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Exogenous Allocators</b>																	
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
<b>Allocators Based on Fixed Assets</b>																	
Environmental	50.0 %	0.0 %	0.0 %	1.9 %	0.0 %	48.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Transformers	0.0 %	0.0 %	1.1 %	3.8 %	0.0 %	95.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Right of Way Amortization	0.0 %	0.0 %	94.1 %	0.0 %	3.0 %	2.0 %	1.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Engineering	0.6 %	0.0 %	23.1 %	4.2 %	26.1 %	17.1 %	8.8 %	15.6 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Procurement	0.0 %	0.0 %	23.0 %	3.7 %	26.6 %	17.3 %	8.9 %	16.0 %	3.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Total Plant	19.1 %	0.1 %	18.3 %	3.5 %	21.5 %	14.3 %	7.3 %	12.0 %	2.4 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Contributions Related Distributi	0.0 %	0.0 %	0.0 %	0.0 %	36.3 %	23.6 %	12.1 %	21.8 %	4.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	100.0 %
Amortization	30.9 %	0.1 %	11.0 %	2.6 %	19.8 %	13.5 %	6.8 %	10.3 %	3.3 %	0.1 %	0.1 %	0.1 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Net Plant	17.3 %	0.1 %	16.3 %	3.6 %	22.1 %	17.4 %	7.5 %	10.3 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Rate Base Excluding WC	17.3 %	0.5 %	15.9 %	3.5 %	22.3 %	17.2 %	7.5 %	10.5 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
G&T Rate Base	52.0 %	0.0 %	48.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Rate Base	17.1 %	1.7 %	15.7 %	3.4 %	22.0 %	17.0 %	7.4 %	10.4 %	3.7 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
<b>Allocators Based on O&amp;M</b>																	
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
O&M	4.0 %	81.8 %	4.8 %	0.8 %	2.9 %	1.8 %	1.1 %	0.6 %	0.0 %	0.6 %	0.7 %	0.5 %	0.3 %	0.1 %	0.0 %	0.1 %	100.0 %
<b>Blended Allocators</b>																	
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Finance Admin	3.5 %	0.2 %	6.6 %	1.2 %	6.6 %	4.0 %	2.3 %	3.2 %	0.5 %	0.2 %	64.3 %	7.1 %	0.0 %	0.0 %	0.0 %	0.3 %	100.0 %
Customer Service	0.0 %	0.0 %	2.8 %	0.0 %	1.8 %	1.8 %	1.8 %	0.0 %	0.0 %	27.8 %	11.0 %	22.0 %	25.5 %	5.5 %	0.0 %	0.0 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 5.1																	
Functional Allocator Worksheet																	
Exogenous Allocators																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0	0	72	28	0	0	0	0	0	0	0	0	0	0	0	0	100
Primary & Secondary	0	0	0	0	75	0	25	0	0	0	0	0	0	0	0	0	100
Call Center	0	0	5	0	3	3	3	0	0	5	20	40	10	10	0	0	100
ECC	8	17	25	25	8	8	8	0	0	0	0	0	0	0	0	0	100
SCADA	25	0	25	25	8	8	8	0	0	0	0	0	0	0	0	0	100
Allocators Based on Fixed Assets (\$,000)																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Environmental																	0
Wires	0	0	0	3,216	0	79,816	0	0	0	0	0	0	0	0	0	0	83,032
Generation	83,032																83,032
Total	83,032	0	0	3,216	0	79,816	0	0	0	0	0	0	0	0	0	0	166,063
T&D Transformers																	
Substations			882	3,226													4,107
Lines and Line Transformers						79,816											79,816
Total	0	0	882	3,226	0	79,816	0	0	0	0	0	0	0	0	0	0	83,923
Distribution Facilities																	
Substations					0	0	0										0
Lines and Line Transformers					122,560	79,816	40,853										243,228
Total	0	0	0	0	122,560	79,816	40,853	0	0	0	0	0	0	0	0	0	243,228
Right of Way Amortization																	
Transmission Component			100.0 %														64
Distribution Component					50.4 %	32.8 %	16.8 %										4
Total	0	0	64	0	2	1	1	0	0	0	0	0	0	0	0	0	68
Engineering																	
Total Transmission & Distributio	2,867	0	104,605	19,732	123,515	80,771	41,809	73,674	14,691	0	0	0	0	0	0	6,580	468,243
Administrative & General	60	119	179	179	60	60	60	0	0	0	0	0	0	0	0	0	716
Right of Ways	0	0	4,459	0	142	93	47	0	0	0	0	0	0	0	0	0	4,741
Total	2,927	119	109,242	19,911	123,717	80,924	41,916	73,674	14,691	0	0	0	0	0	0	6,580	473,700
Procurement																	
Substations	0	0	35,257	16,865	0	0	0	0	0	0	0	0	0	0	0	0	52,121
Lines and Line Transformers	0	0	66,481	0	122,560	79,816	40,853	73,674	0	0	0	0	0	0	0	0	383,383
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Right of Ways	0	0	4,459	0	142	93	47	0	0	0	0	0	0	0	0	0	4,741
Total	0	0	106,196	16,865	122,702	79,908	40,901	73,674	14,691	0	0	0	0	0	0	6,580	461,516
Distribution Lines					122,702		40,901	73,674									243,856
Distribution Network				16,865	122,702	79,908	40,901										260,375
T&D Plant			109,242	19,911	123,717	80,924	41,916	73,674	14,691	0	0	0	0	0	0	6,580	470,654
Total Plant	118,360	374	113,658	21,711	133,273	88,674	45,268	74,537	14,734	469	667	970	212	212	0	6,657	619,776
Contributions Related Distribution	0	0	0	0	122,702	79,908	40,901	73,674	14,691	0	0	0	0	0	0	6,580	338,455
Amortization	6,702	21	2,378	565	4,297	2,933	1,475	2,231	706	28	16	23	5	5	0	297	21,680

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Schedule 5.1																	
Functional Allocator Worksheet																	
Net Plant																	
Gross Fixed Assets	64,408	209	70,874	13,252	86,305	67,537	29,133	40,840	14,691	270	397	577	126	126	0	4,498	393,243
Contributions - Net	0	0	(13,252)	0	(4,258)	(2,773)	(1,419)	(2,556)	(510)	0	0	0	0	0	0	(228)	(24,996)
Total Intangible Assets	164	12	3,235	34	246	147	87	42	0	8	0	0	0	0	0	4	3,977
Total	64,572	221	60,857	13,286	82,293	64,911	27,801	38,326	14,181	278	397	577	126	126	0	4,273	372,225
Rate Base Excluding WC	59,692	1,787	54,991	12,002	77,057	59,471	25,985	36,341	13,136	184	367	534	117	117	0	4,033	345,815
G&T Rate Base	59,948		55,281														115,229
Rate Base	59,948	5,841	55,281	12,051	77,273	59,619	26,062	36,406	13,149	213	402	557	134	121	0	4,040	351,098
Allocators Based on O&M (\$,000)																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Transportation	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	369
Labour	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
O&M	5,279	107,321	6,310	1,013	3,786	2,406	1,382	823	23	773	906	591	455	118	0	73	131,258

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Schedule 5.2																	
Functional Allocator Worksheet, Blended Allocators																	
Finance Labour																	
FTEs by Function																	
Billing	2.0	Billing															
Customer Payments	1.0	Remittance & Collection															
Collection	0.0	Remittance & Collection															
Purchasing	1.0	Procurement															
Payroll	1.0	Labour															
Accounts Receivable (Non-Elect)	1.0	Labour															
Accounts Payable	1.0	Procurement															
Total	7.0																
Weighting																	
Allocator	Weight																
Billing	29 %																
Remittance & Collection	14 %																
Procurement	29 %																
Labour	29 %																
Total	100 %																
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Billing											100.0 %						100.0 %
Remittance & Collection												100.0 %					100.0 %
Procurement	0.0 %	0.0 %	23.0 %	3.7 %	26.6 %	17.3 %	8.9 %	16.0 %	3.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Average	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Finance Admin																	
Weighting																	
Finance Labour	50 %																
Billing	50 %																
Total	100 %																
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Billing												100.0 %					100.0 %
Average	3.5 %	0.2 %	6.6 %	1.2 %	6.6 %	4.0 %	2.3 %	3.2 %	0.5 %	0.2 %	64.3 %	7.1 %	0.0 %	0.0 %	0.0 %	0.3 %	100.0 %
Customer Service																	
Weighting																	
Call Centre	55 %																
Uncollectibles & Damage Claims	20 %																
Meter Reading	25 %																
Total	100 %																

MECL 2017 Cost Allocation Model

Schedule 5.2																	
Functional Allocator Worksheet, Blended Allocators																	
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
Uncollectibles & Damage Claims													100.0 %				100.0 %
Meter Reading										100.0 %							100.0 %
Average	0.0 %	0.0 %	2.8 %	0.0 %	1.8 %	1.8 %	1.8 %	0.0 %	0.0 %	27.8 %	11.0 %	22.0 %	25.5 %	5.5 %	0.0 %	0.0 %	100.0 %
Head Office																	
Allocation of Head Office Floor Space																	
Function	Floor	Occupanc y	Allocator														
Customer Service	1	100 %	Call Center														
Customer Service	2	100 %	Call Center														
Engineering	3	75 %	Engineering														
Information Technology	3	25 %	Labour														
Finance	4	80 %	Finance Labour														
Procurement	4	20 %	Procurement														
Executive	5	100 %	Labour														
Weighting																	
Allocator	Weight																
Call Center	40 %																
Finance Labour	16 %																
Engineering	15 %																
Procurement	4 %																
Labour	25 %																
Total	100 %																
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Engineering	0.6 %	0.0 %	23.1 %	4.2 %	26.1 %	17.1 %	8.8 %	15.6 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Procurement	0.0 %	0.0 %	23.0 %	3.7 %	26.6 %	17.3 %	8.9 %	16.0 %	3.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Average	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %



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Schedule 6.0								
Revenue Requirement 2017								
Account	Description	2017 Trial Balance	Power Supply Demand Related	Labour Related	Vehicle Related	O&M Reporting	Functionalization Method	Power Supply Demand Related (%)
7000	NB Power Assured	3,649,523	0	0	0	Energy Costs	Purchased Power	0 %
7002	NB Power Capacity	2,550,000	2,550,000	0	0	Energy Costs	Purchased Power	100 %
7007	Wind Energy	23,232,701	5,343,521	0	0	Energy Costs	Purchased Power	23 %
7008	Other Energy	193,790	0	0	0	Energy Costs	Purchased Power	0 %
7020	Lepreau Fuel	1,566,090	0	0	0	Energy Costs	Purchased Power	0 %
7021	Lepreau Cost of Carrying Fuel	47,967	0	0	0	Energy Costs	Purchased Power	0 %
7023	Lepreau Cost of Capital	9,128,368	2,282,092	0	0	Energy Costs	Purchased Power	25 %
7025	Lepreau O&M & Indirect	10,803,898	2,700,975	0	0	Energy Costs	Purchased Power	25 %
7027	Lepreau Decommissioning Charge	1,995,576	498,894	0	0	Energy Costs	Purchased Power	25 %
7029	Lepreau Guarantee Fee	431,842	107,961	0	0	Energy Costs	Purchased Power	25 %
7031	Lepreau Inventory Common Stock	6,492	1,623	0	0	Energy Costs	Purchased Power	25 %
7033	Lepreau Heavy Water	0	0	0	0	Energy Costs	Purchased Power	0 %
7040	O&M Murray Corner	187,428	0	0	0	Energy Costs	Transmission	N/A
7041	O&M Memramcook	165,233	0	0	0	Energy Costs	Transmission	N/A
7042	Breaker Rental NB Power	183,878	0	0	0	Energy Costs	Transmission	N/A
7046	NB Power Secure	18,162,834	0	0	0	Energy Costs	Purchased Power	0 %
7047	NB Power Interruptible	0	0	0	0	Energy Costs	Purchased Power	0 %
7048	NB Power Curtailed	0	0	0	0	Energy Costs	Purchased Power	0 %
7049	Capacity Other	110,000	110,000	0	0	Energy Costs	Purchased Power	100 %
7050	NB Power Firm	36,636,913	0	0	0	Energy Costs	Purchased Power	0 %
7051	NB Power Firm 2	0	0	0	0	Energy Costs	Purchased Power	0 %
7053	Imbalance Energy	(38,802)	0	0	0	Energy Costs	Purchased Power	0 %
7054	Imbalance Premium	77,814	0	0	0	Energy Costs	Purchased Power	0 %
7055	COS Energy Purchase	10,073	10,073	0	0	Energy Costs	Purchased Power	100 %
7056	E-Tagging and Scheduling	12,279	0	0	0	Energy Costs	Purchased Power	0 %
7057	Cost of Energy for Sales	0	0	0	0	Energy Costs	Purchased Power	0 %
7058	IPL Transmission Sch 1, 2, 7	895,972	895,972	0	0	Energy Costs	Purchased Power	100 %
7090	ECAM Recovery	(2,358,689)	0	0	0	ECAM Adjustment	Purchased Power	0 %
7102	CTGS Build and Serv	409,240	409,240	241,616	2,887	Energy Costs	Generation	100 %
7103	CTGS Maintenance	578,327	578,327	433,628	15,020	Energy Costs	Generation	100 %
7105	CTGS Operating	423,800	423,800	403,415	5,175	Energy Costs	Generation	100 %
7116	CTGS Superintendence	279,252	279,252	254,784	2,415	Energy Costs	Generation	100 %
7117	CTGS Generation Fuel Bunker	810,374	810,374	0	0	Energy Costs	Generation	100 %
7150	ECC Operations	763,155	0	728,307	20,003	Energy Costs	ECC	N/A
7180	Training	14,050	0	0	0	Energy Costs	G&T Rate Base	N/A
7202	BGS CT Building and Services	1,450	1,450	366	0	Energy Costs	Generation	100 %
7209	BGS CT Operating	72,089	72,089	6,714	433	Energy Costs	Generation	100 %
7210	BGS CT Maintenance	255,208	255,208	154,279	5,416	Energy Costs	Generation	100 %
7217	BGS CT Fuel - Diesel	230,694	0	0	0	Energy Costs	Generation	0 %
7302	CTGS CT Building and Services	971	971	0	0	Energy Costs	Generation	100 %
7303	CTGS CT Maint	160,104	160,104	43,217	1,600	Energy Costs	Generation	100 %
7305	CTGS CT Operating	58,331	58,331	43,507	1,243	Energy Costs	Generation	100 %
7317	CTGS CT Fuel - Diesel	743,228	0	0	0	Energy Costs	Generation	0 %
7350	Insurance	552,481	0	0	0	Energy Costs	G&T Rate Base	N/A
7355	Prop Taxes	214,619	0	0	0	Energy Costs	G&T Rate Base	N/A
7415	MICF Gov Misc Lab & Exp	2,803,846	0	21,662	1,401	Energy Costs	Transmission	N/A
7450	Mech Maint BUDGET	84,041	0	83,540	499	Energy Costs	T&D Plant	N/A
7510	OATT	225,185	0	187,635	0	Transmission - OATT	Transmission	N/A
7741	Maint Sub, Build, Prop	113,103	0	44,609	2,457	Distribution	Substations	N/A

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Schedule 6.0								
Revenue Requirement 2017								
7745	Maint ROW Line Clearing	1,431,043	0	1,392,573	13,144	Distribution	Distribution Lines	N/A
7748	Maint Lines	1,513,054	0	866,712	125,207	Distribution	Distribution Network	N/A
7750	Maint Line Devices	47,854	0	31,216	2,180	Distribution	Distribution Network	N/A
7751	Maint Trans	452,070	0	293,456	57,211	Distribution	Transformers	N/A
7754	Maint street lights	59,326	0	46,052	12,429	Distribution	Distribution Network	N/A
7755	Maint UG system	61,086	0	46,053	12,397	Distribution	Distribution Network	N/A
7756	Maint UG service lines	1,656	0	713	0	Distribution	Distribution Network	N/A
7758	Maint Meters	158,003	0	84,143	8,306	Distribution	Meter Reading	N/A
7760	Communication	212,842	0	90,877	7,814	Distribution	SCADA	N/A
7763	Scada	105,279	0	71,358	4,930	Distribution	SCADA	N/A
7765	Eng	311,696	0	234,697	10,425	Distribution	Distribution Network	N/A
7768	Misc labor and expense	8,574	0	0	0	Distribution	Distribution Network	N/A
7780	Training	57,756	0	0	0	Transmission and Distribution - Other	Distribution Network	N/A
7841	Maint sub equip	53,856	0	50,207	3,491	Transmission	Transmission	N/A
7845	Maint ROW Line Clearing	701,576	0	700,347	1,172	Transmission	Transmission	N/A
7848	Maint Trans Lines	284,820	0	212,767	41,818	Transmission	Transmission	N/A
7850	Maint line devices	54,106	0	49,652	4,341	Transmission	Transmission	N/A
7865	Eng	126,090	0	120,732	5,358	Transmission	Transmission	N/A
7950	Insurance	117,034	0	0	0	Transmission and Distribution - Other	Substations	N/A
7955	Prop Taxes	1,881,192	0	0	0	Transmission and Distribution - Other	Distribution Network	N/A
8000	Super	428,245	0	N/A	N/A	General	Customer service	N/A
8020	CSS	893,842	0	N/A	N/A	General	Call Center	N/A
8030	Meter Reading	392,780	0	N/A	N/A	General	Meter Reading	N/A
8040	Training	2,771	0	N/A	N/A	General	Customer service	N/A
8055	Claims	52,024	0	N/A	N/A	General	Uncollectibles & Damage Claims	N/A
8060	Collections	(17,364)	0	N/A	N/A	General	Uncollectibles & Damage Claims	N/A
8065	Uncollectible	215,633	0	N/A	N/A	General	Uncollectibles & Damage Claims	N/A
8090	Training	0	0	N/A	N/A	General	Customer service	N/A
8100	Super	355,648	0	N/A	N/A	General	Finance Labour	N/A
8110	Admin	868,263	0	N/A	N/A	General	Finance Admin	N/A
8130	Aud, Tax & Prof Services	132,600	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8140	Training	11,209	0	N/A	N/A	General	Finance Labour	N/A
8200	Super	359,426	0	N/A	N/A	General	Labour	N/A
8210	Operational Costs	70,152	0	N/A	N/A	General	Labour	N/A
8240	Training	13,893	0	N/A	N/A	General	Labour	N/A
8300	Super	1,388	0	N/A	N/A	General	T&D Plant	N/A
8340	Training	263	0	N/A	N/A	General	T&D Plant	N/A
8345	HO Prop Exp	130,251	0	N/A	N/A	General	Head Office	N/A
8350	WRSC Prop Exp	178,146	0	N/A	N/A	General	T&D Plant	N/A
8360	East Prop Exp	45,972	0	N/A	N/A	General	T&D Plant	N/A
8365	West Prop Exp	45,836	0	N/A	N/A	General	T&D Plant	N/A
8370	Sub Prop	27,151	0	N/A	N/A	General	T&D Plant	N/A
8400	Super	321,451	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8415	Donations	159,600	0	N/A	N/A	General	Labour	N/A
8500	Super	226,586	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8510	Regulation	411,149	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8540	Training	12,156	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8600	Super	3,516,414	0	N/A	N/A	General	Labour	N/A
8602	Insurance	38,794	0	N/A	N/A	General	Total Plant	N/A
8603	Legal	74,236	0	N/A	N/A	General	Labour	N/A
8605	Future Benefits	(1,371,000)	0	N/A	N/A	General	Labour	N/A
8606	Supplementary Retirement Pensi	108,400	0	N/A	N/A	General	Labour	N/A

MECL 2017 Cost Allocation Model

Schedule 6.0								
Revenue Requirement 2017								
8607	Prop Taxes	208,964	0	N/A	N/A	General	Labour	N/A
8613	Directors' Fees	251,962	0	N/A	N/A	General	Labour	N/A
8614	Gen Admin	228,090	0	N/A	N/A	General	Labour	N/A
8615	Gen Admin - Parent	612,000	0	N/A	N/A	General	Labour	N/A
8620	Environmental	3,152	0	N/A	N/A	General	Environmental	N/A
8630	Aud, Tax & Prof Services	0	0	N/A	N/A	General	Labour	N/A
8640	Training	49,624	0	N/A	N/A	General	Labour	N/A
6611	Interest Income Misc	(151,735)	0	N/A	N/A	Short-Term Debt	Rate Base	N/A
6604	Interest During Construction	(449,760)	0	N/A	N/A	Interest Charged To Construction	Rate Base	N/A
9000	Interest 2016 11.5%	0	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9001	Interest 2018 8.55%	1,282,500	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9002	Interest 2031 8.92%	1,784,000	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9003	Interest 2027 8.625%	1,293,750	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9004	Interest 2038 6.054%	3,632,400	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9006	Interest 2061 4.915%	1,462,800	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9008	Interest 2025 7.57%	1,135,500	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9009	Interest 2061 4.915%	1,474,500	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9100	Other Interest	779,145	0	N/A	N/A	Short-Term Debt	Rate Base	N/A
9200	Amortization Finance Costs Tem	8,708	0	N/A	N/A	Amortization of Financing Costs	Rate Base	N/A
9400	Amortization	21,372,683	0	N/A	N/A	Amortization Plant And Equipment	Amortization	N/A
9415	Amortization - Lepreau Writedo	98,600	0	N/A	N/A	Amortization Other	Purchased Power	N/A
9420	Amortization - DSM Costs	322,476	0	N/A	N/A	Amortization Other	Purchased Power	N/A
9425	Amortization - Developed Softw	361,972	0	N/A	N/A	Amortization Other	Labour	N/A
9427	Amortization - ROW and Easemen	67,795	0	N/A	N/A	Amortization Other	Right of Way Amortization	N/A
9600	Income Tax	5,940,740	0	N/A	N/A	Income Taxes	Rate Base	N/A
Total Net Earnings		12,928,143	0			Net Earnings	Rate Base	N/A
6241	Service Connections	(463,552)	0	N/A	N/A	Other Revenue	Service Connections	N/A
6260	Late Payment Charges	(639,391)	0	N/A	N/A	Other Revenue	Late Payments	N/A
6605	Misc Revenue	(561,181)	0	N/A	N/A	Other Revenue	Primary & Secondary	N/A
6622	Rental Property Income Base WR	0	0	N/A	N/A	Other Revenue	Head Office	N/A
6606	Accrued Revenue Adjustment	(298,281)	0	N/A	N/A	Other Revenue	Rate Base	N/A
Pole Revenue		(10,170)	0	N/A	N/A	Other Revenue	Primary & Secondary	N/A
7500	Transmission Access	5,304,673	0	0	0	OATT Revenue	Transmission	N/A
7502	Scheduling Service	210,292	0	0	0	OATT Revenue	Transmission	N/A
7503	Wind Regulation and Load Follo	9,737	0	0	0	OATT Revenue	Transmission	N/A
7504	Reactive Supply and Voltage Co	340,020	0	0	0	OATT Revenue	Transmission	N/A
7505	Energy Imbalance OATT	108,068	0	0	0	OATT Revenue	Transmission	N/A
7507	Residual Uplift	0	0	0	0	OATT Revenue	Transmission	N/A
7508	Non-Capital Support Charge	74,928	0	0	0	OATT Revenue	Transmission	N/A
6340	Transmission Access	(6,690,324)	0	0	0	OATT Revenue	Transmission	N/A
6342	Scheduling Service	(315,832)	0	0	0	OATT Revenue	Transmission	N/A
6343	Regulation and Load Following	(9,737)	0	0	0	OATT Revenue	Transmission	N/A
6344	Reactive Supply and Voltage Co	(464,307)	0	0	0	OATT Revenue	Transmission	N/A
6345	Energy Imbalance OATT	(155,312)	0	0	0	OATT Revenue	Transmission	N/A
6346	Cumulative Transmission Energy	0	0	0	0	OATT Revenue	Transmission	N/A
6347	Residual Uplift	0	0	0	0	OATT Revenue	Transmission	N/A
6348	Non-Capital Support Charge	(326,372)	0	0	0	OATT Revenue	Transmission	N/A

MECL 2017 Cost Allocation Model

Schedule 6.1		1											
Plant In Service 2017													
Account	Name	Fixed Assets			Accumulated Amortization			WIP			Net		Annual
		Open	Close	id Year	Open	Close	id Year	Open	Close	id Year	Fixed Assets	Amortization	
1101	Prod Power Plant Land	2,261,810	2,261,810	2,261,810	0	0	0	0	0	0	0	2,261,810	0
1102	Prod Power Plant Build & Structure	7,987,112	7,979,541	7,983,327	4,339,158	4,971,244	4,655,201	(0)	(0)	(0)	(0)	3,328,125	746,441
1103	Prod Pumphouse Elect Equip	1,630,613	1,630,613	1,630,613	1,204,869	1,329,611	1,267,240	0	0	0	0	363,373	124,742
1104	Prod Pumphouse Mech Equip	32,949	32,949	32,949	14,978	(256)	7,361	0	0	0	0	25,588	2,521
1105	Prod Boiler Plant Equip	24,773,350	24,782,418	24,777,884	16,440,962	18,259,598	17,350,280	(0)	0	(0)	(0)	7,427,604	1,895,508
1107	Prod Turbine & Aux Equip	21,842,787	21,501,600	21,672,194	13,248,601	14,104,757	13,676,679	(0)	(0)	(0)	(0)	7,995,515	1,777,120
1109	Gas Turbine & Aux Equip	34,813,111	35,297,121	35,055,116	6,410,092	6,671,148	6,540,620	0	(0)	(0)	(0)	28,514,496	799,257
1113	Prod Elect Equip Plant & Yard	2,283,113	2,283,113	2,283,113	1,879,332	1,996,684	1,938,008	0	0	0	0	345,105	117,352
1115	Prod Misc Power Plant Equip	1,506,403	1,506,403	1,506,403	1,085,918	1,191,216	1,138,567	0	0	0	0	367,836	105,298
1135	Prod Shop Equip	6,483	6,483	6,483	4,741	5,194	4,968	0	0	0	0	1,516	453
1139	Prod River Pumphouse Build	1,026,497	1,026,497	1,026,497	509,360	605,338	557,349	0	0	0	0	469,148	95,977
1201	Prod Borden Power Plant Land	43,567	43,567	43,567	0	0	0	0	0	0	0	43,567	0
1202	Prod Borden Build & Structures	481,306	481,306	481,306	196,123	212,391	204,257	0	0	0	0	277,049	16,268
1209	Prod Borden Gas Turbine & Aux Eq	12,805,896	12,865,545	12,835,720	2,781,580	3,388,934	3,085,257	(0)	(0)	(0)	(0)	9,750,464	626,383
1215	Prod Borden Misc Equip	320,116	320,116	320,116	112,163	125,928	119,046	0	0	0	0	201,070	13,765
1301	ECC Land	20,470	20,470	20,470	0	0	0	0	0	0	0	20,470	0
1315	Prod ECC Misc Power Plant Equip	201,817	201,817	201,817	112,157	117,203	114,680	0	0	0	0	87,137	5,045
1355	ECC UG Cables	0	0	0	0	0	0	0	0	0	0	0	0
1379	ECC Build	689,006	701,589	695,297	287,332	303,554	295,443	0	0	0	0	399,855	17,382
1740	Dist Substation Land	4,506	4,506	4,506	0	0	0	0	0	0	0	4,506	0
1741	Dist Substation Equip Build & Struc	3,141,771	3,289,859	3,215,815	715,127	778,876	747,002	(0)	(0)	(0)	(0)	2,468,813	70,426
1744	Dist Land	5,467	5,467	5,467	0	0	0	0	0	0	0	5,467	0
1748	Dist OH Conductors	79,066,546	84,370,093	81,718,319	23,918,899	25,049,932	24,484,415	(0)	(0)	(0)	(0)	57,233,904	2,565,955
1749	Dist Poles & Fixtures	62,800,280	75,601,860	69,201,070	26,638,848	32,224,334	29,431,591	(0)	(0)	(0)	(0)	39,769,479	2,415,117
1750	Dist Line Control Devices	9,357,986	9,505,073	9,431,530	1,961,381	2,250,197	2,105,789	(0)	(0)	(0)	(0)	7,325,740	296,150
1751	Dist Transformers	66,166,305	69,024,150	67,595,227	14,809,149	16,616,504	15,712,826	(15)	(15)	(15)	(15)	51,882,416	2,223,883
1752	Dist Transformer Installations	11,849,699	12,591,274	12,220,486	1,888,977	2,136,492	2,012,734	(0)	(0)	(0)	(0)	10,207,752	402,054
1753	Dist Service Lines	76,003,644	67,238,249	71,620,947	34,362,819	30,225,357	32,294,088	(0)	(0)	(0)	(0)	39,326,858	2,234,574
1754	Dist Street & Yard Lights	5,798,304	6,053,459	5,925,881	1,627,000	1,484,641	1,555,820	(0)	(0)	(0)	(0)	4,370,061	272,591
1755	Dist UG Conductors	3,026,345	3,097,194	3,061,769	1,264,709	1,339,416	1,302,062	0	0	0	0	1,759,707	74,707
1756	Dist UG Service Lines	2,029,531	2,076,695	2,053,113	983,777	1,033,873	1,008,825	0	0	0	0	1,044,288	50,096
1757	Dist UG System Street Lights	653,789	653,789	653,789	553,829	582,596	568,212	0	0	0	0	85,576	28,767
1758	Dist Meters	13,884,790	14,245,974	14,065,382	914,954	1,555,741	1,235,348	(0)	(0)	(0)	(0)	12,830,034	704,676
1759	Dist Meter Installations	599,839	651,341	625,590	(1,202,879)	(1,216,851)	(1,209,865)	0	0	0	0	1,835,455	20,832
1760	Dist Communications System	9,277,485	10,214,242	9,745,863	5,525,240	5,982,950	5,754,095	101,927	(0)	50,964	3,940,805	464,878	
1761	Dist Eng Test & Survey Equip	23,570	22,893	23,231	(326,636)	(328,303)	(327,470)	0	0	0	0	350,701	1,162
1762	Dist Tools & Stores Equip	1,138,738	1,093,044	1,115,891	385,633	346,330	365,982	0	0	0	0	749,909	55,795
1763	Supervisory Scada System	1,629,079	1,815,241	1,722,160	1,106,974	1,221,842	1,164,408	78,478	0	39,239	518,513	114,868	
1777	Dist General Property Land	329,731	329,731	329,731	0	0	0	0	0	0	0	329,731	0
1778	Dist General Prop Build Office	4,973,384	4,981,390	4,977,387	2,090,283	2,214,718	2,152,501	0	0	0	0	2,824,886	124,435
1779	Dist General Property Build District	6,231,287	6,358,301	6,294,794	2,428,806	2,537,901	2,483,353	0	103,921	51,960	3,759,480	157,370	
1780	Office Equip	78,685	77,037	77,861	(180,912)	(182,855)	(181,884)	0	0	0	0	259,745	5,193
1781	Transportation Equip	10,961,598	11,944,126	11,452,862	4,645,670	4,716,477	4,681,073	0	0	0	0	6,771,789	801,700
1784	Computer Hardware	1,186,176	1,127,561	1,156,869	(98,209)	(150,809)	(124,509)	0	0	0	0	1,281,378	231,374
1785	Computer Software	3,231,969	3,205,708	3,218,839	1,290,997	1,195,273	1,243,135	(0)	(0)	(0)	(0)	1,975,704	321,884
1786	Marketing & Transition	0	0	0	0	0	0	0	0	0	0	0	0
1840	Trans Substation Land	399,940	501,943	450,941	0	0	0	1,158	47,033	24,096	426,846	0	
1841	Trans Substation Equip, Build & St	45,732,118	50,295,933	48,014,025	16,611,050	17,490,414	17,050,732	429,231	2,281,928	1,355,579	29,607,714	897,862	
1844	Trans Land	427,346	433,956	430,651	0	0	0	0	0	0	0	430,651	0
1846	Road & Trails	73,263	73,263	73,263	12,401	13,867	13,134	0	0	0	0	60,129	1,465

## MECL 2017 Cost Allocation Model

Schedule 6.		
Plant In Ser		
Account	Presentation Header	Basis for Functionalization
1101	Production	Generation
1102	Production	Generation
1103	Production	Generation
1104	Production	Generation
1105	Production	Generation
1107	Production	Generation
1109	Production	Generation
1113	Production	Generation
1115	Production	Generation
1135	Production	Generation
1139	Production	Generation
1201	Production	Generation
1202	Production	Generation
1209	Production	Generation
1215	Production	Generation
1301	Administrative & General	ECC
1315	Production	Generation
1355	Production	Generation
1379	Administrative & General	ECC
1740	Substations	Substations
1741	Substations	Substations
1744	Substations	Substations
1748	Lines and Line Transformers	Primary & Secondary
1749	Lines and Line Transformers	Primary & Secondary
1750	Lines and Line Transformers	Primary & Secondary
1751	Lines and Line Transformers	Transformers
1752	Lines and Line Transformers	Transformers
1753	Lines and Line Transformers	Service Lines
1754	Street & Private Area Lights	Lighting
1755	Lines and Line Transformers	Primary & Secondary
1756	Lines and Line Transformers	Service Lines
1757	Street & Private Area Lights	Lighting
1758	Meters	Meter Assets
1759	Meters	Meter Assets
1760	SCADA and Communications	SCADA
1761	Administrative & General	Distribution Network
1762	Administrative & General	Distribution Network
1763	SCADA and Communications	SCADA
1777	Administrative & General	Head Office
1778	Administrative & General	Head Office
1779	Administrative & General	Distribution Network
1780	Administrative & General	Labour
1781	Administrative & General	Transportation
1784	Administrative & General	Labour
1785	Administrative & General	Labour
1786	Administrative & General	Labour
1840	Substations	Transmission
1841	Substations	Substations 1841 Account
1844	Substations	Transmission
1846	Lines and Line Transformers	Transmission

MECL 2017 Cost Allocation Model

Schedule 6.1		1										
Plant In Service 2017												
1847	Trans Towers	878,834	878,834	878,834	710,302	727,879	719,091	0	0	0	159,744	17,577
1848	Trans OH Conductors	39,053,630	42,905,459	40,979,545	11,707,174	12,697,987	12,202,581	2,112,341	0	1,056,171	27,720,793	1,008,097
1849	Trans Poles & Fixtures	21,032,562	22,861,634	21,947,098	5,973,143	6,574,086	6,273,615	1,047,122	(0)	523,561	15,149,922	658,413
1850	Trans Line Control Devices	2,156,220	2,716,496	2,436,358	524,075	584,009	554,042	0	0	0	1,882,316	59,934
1855	Trans UG Cables	0	0	0	0	0	0	0	0	0	0	0
1877	Trans General Property Land	165,586	165,586	165,586	0	0	0	0	0	0	165,586	0
Subtotal PPE		596,096,410	623,354,316	609,725,363	209,469,947	222,985,416	216,227,682	3,770,242	2,432,866	3,101,554	390,396,127	22,625,346
3200	Material & Supply Line Hardwar	2,489,157	2,935,868	2,712,512	0	0	0	0	0	0	2,712,512	0
3205	PST Material & Supply Line Har	0	0	0	0	0	0	0	0	0	0	0
3210	COGP Line Hardware	0	0	0	0	0	0	0	0	0	0	0
3212	COGP LH Price Variance	0	(20,592)	(10,296)	0	0	0	0	0	0	(10,296)	0
3215	COGP Other	0	0	0	0	0	0	0	0	0	0	0
3217	COGP Other Price Variance	0	(30,540)	(15,270)	0	0	0	0	0	0	(15,270)	0
3220	Material Quantity Variance	0	0	0	0	0	0	0	0	0	0	0
3305	HRLY Clearing	0	0	0	0	0	0	0	0	0	0	0
Subtotal Inventory		2,489,157	2,884,736	2,686,946	0	0	0	0	0	0	2,686,946	0
WIP Adjustment		395,579	(395,579)	0	0	0	0	30,964	(350,508)	(159,772)	159,772	(19,797)
Total Fixed Assets		598,981,146	625,843,473	612,412,309	209,469,947	222,985,416	216,227,682	3,801,206	2,082,358	2,941,782	393,242,846	22,605,549

## MECL 2017 Cost Allocation Model

Schedule 6.		
Plant In Ser		
1847	Lines and Line Transformers	Transmission
1848	Lines and Line Transformers	Transmission
1849	Lines and Line Transformers	Transmission
1850	Lines and Line Transformers	Transmission
1855	Lines and Line Transformers	Transmission
1877	Lines and Line Transformers	Transmission
Subtotal PP		
3200	Lines and Line Transformers	Distribution Network
3205	Lines and Line Transformers	Distribution Network
3210	Lines and Line Transformers	Distribution Network
3212	Lines and Line Transformers	Distribution Network
3215	Lines and Line Transformers	Distribution Network
3217	Lines and Line Transformers	Distribution Network
3220	Lines and Line Transformers	Distribution Network
3305	Lines and Line Transformers	Distribution Network
Subtotal Inv		
WIP Adjustr	Lines and Line Transformers	Distribution Network
Total Fixed		

MECL 2017 Cost Allocation Model

Schedule 6.2							
Contributions & Intangible Assets							
Contributions							
		Gross					
Account	Name	Open	Close	Change	id Year		
4500	Contributions - New Services	24,078,931	24,530,871	451,940	24,304,901		
4503	Contributions - Extensions	369,349	369,349	0	369,349		
4510	Refundable Contributions	492,198	479,684	(12,514)	485,941		
4505	Contributions - Other	16,405,417	16,405,417	0	16,405,417		
Total Gross		41,345,895	41,785,321	439,426	41,565,608		
		Accumulated Amortization					
		Open	Close	Change	id Year	Basis for Functionalization	
4501	Amortization Contributions	13,177,277	13,655,247	477,970	13,416,262	Contributions Related Distribution Plant	
4501	Amortization Contributions	2,929,773	3,377,640	447,868	3,153,706	Transmission	
Total Accumulated Amortization		16,107,050	17,032,887	925,838	16,569,968		
		Total Net					
		Open	Close	Change	id Year	Basis for Functionalization	
Distribution		11,763,201	11,724,657	(38,544)	11,743,929	Contributions Related Distribution Plant	
Transmission		13,475,645	13,027,777	(447,868)	13,251,711	Transmission	
Total Net		25,238,846	24,752,434	(486,412)	24,995,640		
Intangible							
		Gross					
Account	Name	Open	Close	Change	id Year	Presentation Header	Basis for Functionalization
3580	ROW Distribution	282,000	282,000	0	282,000	Right of Ways	Distribution Facilities
3580	ROW Transmission	4,454,826	4,462,985	8,159	4,458,906	Right of Ways	Transmission
3585	CIS and EPS	2,474,190	2,771,779	297,588	2,622,985	Software	Labour
Total Gross		7,211,017	7,516,763	305,747	7,363,890		
		Accumulated Amortization					
Account	Name	Open	Close	Change	id Year	Presentation Header	Basis for Functionalization
3580	ROW Distribution	58,177	62,209	4,033	60,193	Right of Ways	Distribution Facilities
3580	ROW Transmission	1,346,731	1,410,494	63,762	1,378,613	Right of Ways	Transmission
3585	CIS and EPS	1,766,767	2,128,739	361,972	1,947,753		
Total Accumulated Amortization		3,171,675	3,601,442	429,767	3,386,558		
		Total Net					
Account	Name	Open	Close	Change	id Year	Presentation Header	Basis for Functionalization
3580	ROW Distribution	223,823	219,791	(4,033)	221,807	Right of Ways	Distribution Facilities
3580	ROW Transmission	3,108,095	3,052,491	(55,604)	3,080,293	Right of Ways	Transmission
3585	CIS and EPS	707,424	643,040	(64,384)	675,232	Software	Labour
Total Net		4,039,342	3,915,322	(124,020)	3,977,332		



## MECL 2017 Cost Allocation Model

Schedule 6.3	
Standard Lists	
Rate Classes	Allocators
Residential	1CP - Input
Residential (S)	1CP - Input Firm
Farm	1CP - Transmission
General Service 1	1CP - Distribution Primary
General Service 1 (S)	NCP - Distribution Primary
Small Industrial	NCP - Distribution Secondary
Large Industrial	Energy - Input
Lights	Sites
Unmetered	Sites - Distribution Primary
	Sites - Distribution Secondary
Functions	Sites - Mass Market
Generation	Service Lines
Purchased Power	Meter Assets
Transmission	Meter Reading
Substations	Billing
Primary Lines	Remittance & Collection
Transformers	Service Connection Revenue
Secondary Lines	Penalty Revenue
Service Lines	Lighting Direct Assign
Meter Assets	MECL Generation
Meter Reading	MECL Purchases
Billing	Primary System
Remittance & Collection	Distribution Transformers
Uncollectibles & Damage Claims	Secondary System
Service Connections	
Late Payments	
Lighting	



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June 26, 2018

Enrique Riveroll  
Maritime Electric Company, Ltd.  
180 Kent Street  
Charlottetown, PE C1A 7N2

Dear Mr. Riveroll

SUBJECT: 2017 Cost Allocation Study

Please find attached the findings of Chymko Consulting's Electric Utility cost allocation study technical update to assist Maritime Electric with its upcoming rate proposal to the Island Regulatory and Appeals Commission.

We appreciate the time and effort of Maritime Electric staff to provide us with the necessary data and information to conduct this study. Should you have any questions or comments on this report, please contact me at (403) 781-7691.

Yours truly,

A handwritten signature in blue ink, appearing to read "M. Turner", is written over the "Yours truly," text.

Michael Turner  
President

cc: Gloria Crockett

Attachment



## 2017 Cost Allocation Study

Maritime Electric

June 26, 2018

[www.chymko.com](http://www.chymko.com)

# EXECUTIVE SUMMARY

1. Maritime Electric Company Limited (MECL) retained Chymko Consulting Ltd. to update the comprehensive 2014 Cost Allocation Study in support of a future rate proposal to the Island Regulatory and Appeals Commission (IRAC). The following report provides the results of this study, which is based on MECL's 2017 Financial Results for twelve months ending on December 31, 2017.
2. A cost allocation study first functionalizes revenue requirement (in this case, the Statement of Earnings), essentially seeking to attribute the full cost of service to a specific purpose, such as power supply, transmission, distribution network, services and metering, customer care, and lighting. Next, the cost allocation study classifies each function as demand, energy, or site related depending upon how the cost of that function might vary with how end-use customers use the system. Finally, the cost allocation study will allocate the functionalized and classified expenses to rate classes.
3. Table A below summarizes MECL's allocated revenue requirement.

<b>Table A</b>				
<b>Allocated 2017 Net Revenue Requirement from Rates</b>				
	Revenue Collected	Allocated Cost	Revenue to Cost Ratio	2014 Study
Residential	45.9%	50.3%	91.4%	92.0%
Residential (S)	2.4%	2.5%	95.5%	96.9%
Farm	3.8%	4.6%	82.1%	81.3%
General Service	31.9%	26.2%	121.5%	117.2%
General Service (S)	1.0%	0.9%	112.9%	115.1%
Small Industrial	6.4%	6.2%	102.4%	95.9%
Large Industrial	7.2%	7.7%	93.6%	100.1%
Lights	1.3%	1.4%	91.1%	103.0%
Unmetered	0.2%	0.2%	104.3%	103.2%
Total	100.0%	100.0%	100.0%	100.0%

4. Allocated cost is one bookend for a 2019 rate proposal, representing the cost to provide electric utility service for each rate class. If cost causation were the only consideration, for instance, Table A indicates that 2019 rates should seek to recover 50.3 percent of 2019 revenue requirement from the Residential rate class, 2.5 percent from the Seasonal Residential rate class, and so on.
5. Another consideration is how much the rate for each class of customer would have to change to recover allocated cost. By the current revenue to cost ratios shown in Table A above, some rates would need to change significantly. Subject to full consideration of all rate design principles and further analysis of any such change, it may well be that rate rebalancing would need to be implemented gradually over the course of multiple years.

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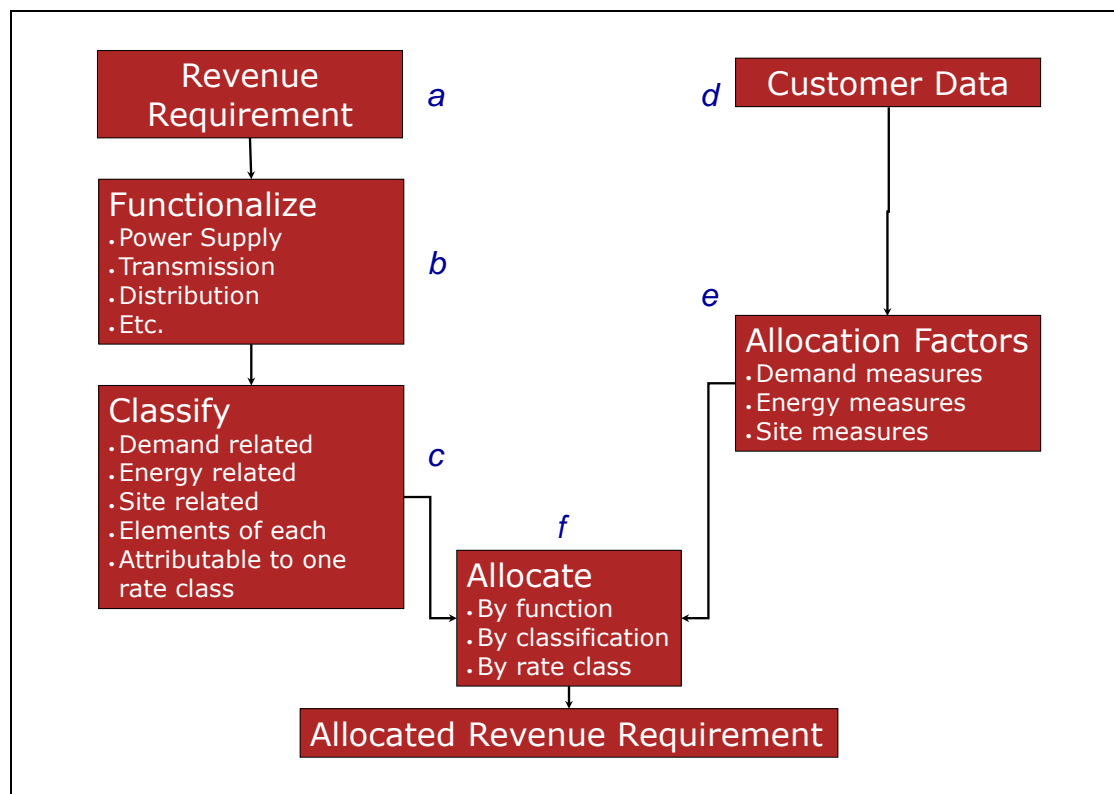
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# 1 INTRODUCTION

6. Maritime Electric Company Limited (MECL) retained Chymko Consulting Ltd. to complete a technical update to the cost allocation study conducted in support of MECL's 2019 rate proposal to the Island Regulatory and Appeals Commission (IRAC). Based on the assumptions discussed in this report, Chymko Consulting's cost allocation study takes as a starting point MECL's Statement of Earnings for twelve months, ending on December 31, 2017. Contained in MECL's December 2017 monthly financial report submitted to IRAC, the Statement of Earnings represents the total cost of providing electric utility service at a rate of return determined by IRAC in Order UE16-04R.
7. A cost allocation study will typically begin with "revenue requirement," which represents the forecast cost of providing electric utility service based on a regulator-approved rate of return. MECL's 2017 Statement of Earnings is similarly based on a rate of return deemed to be in the public interest insofar as it is compliant with Order UE16-04R. Therefore, the principle difference between the Statement of Earnings and revenue requirement is that the Statement of Earnings is calculated after-the-fact and revenue requirement is typically forward-looking. MECL has traditionally filed cost allocation studies based on actual expenses from the previous calendar year, and in using the 2017 Statement of Earnings this study is no different.
8. This study examines the detailed expenses underlying the Statement of Earnings and assigns, attributes, or allocates expenses to each of MECL's rate classes. The fully-allocated 2017 Statement of Earnings by rate class then becomes an important benchmark to inform MECL's anticipated 2019 rate proposal. If the Residential rate class is attributed fifty percent of 2017 expenses, for instance, then this information can serve as a target or objective for designing 2019 Residential rates.
9. The first step of a cost allocation model is to group similar types of expenses that make up revenue requirement into elements of service, or functions. For each function, the user of the cost allocation model must consider:
  - Is the function incurred for the purpose of servicing all rate classes, a sub-set of rate classes, or a single rate class?
  - If the function is attributable to more than one rate class, how might the cost of that function vary depending upon how end-use customers use the distribution system? For example, does the cost vary with peak daily demand changes? Does it vary with the total amount of energy delivered? Does it vary with the number of distribution sites served?
  - How does each rate class contribute to the use of distribution infrastructure? For example, how does each rate class contribute to total peak demand and total energy delivered? How many sites are served in each rate class?
10. In order to answer the above questions, cost allocation studies follow a structured process, which can be explained with the aid of Figure 1 below. Taking revenue requirement (labelled

as a) as a given, the first step is known as functionalization (labelled as b), which begins with attributing each line item in the study by its purpose or function.

**Figure 1: Process of a cost allocation study**



11. The next step in a cost allocation study is called classification (c). The purpose of classification is to determine how each function might vary based on how end-use customers use the system. Sometimes, a function exists solely for the purpose of serving a subset of rate classes, perhaps only a single rate class. However, as long as the function is attributable to more than one rate class, it is necessary to explore further as to whether the expense will vary with peak demand on the system, the amount of energy consumed, or the number of sites served by the system. Thus, each function is classified as demand related, energy related, site-related, or a combination of the three.
12. The final step of a cost allocation study is to allocate the functionalized and classified revenue requirement to rate classes. The choice of allocation factor is to a large degree influenced by the classification of each functionalized detail of revenue requirement. For example, demand related costs are generally allocated by the same proportions as the peak demand of each rate class. Similarly, energy related costs are allocated by the same proportions as energy sales and site related costs are allocated by the relative size of each rate class.

- 
13. The development of allocation factors starts with the collection of MECL's system load data and billing statistics (d). From this foundation along with any associated load research data, it is possible to calculate allocation factors based on each rate classes' peak demand, energy consumption, and the number of sites per rate class.
  14. As suggested by the overview above, the process of a cost allocation study is relatively uncomplicated given there is agreement upon how a cost is to be functionalized, classified, and allocated. Thus, generally accepted principles and methods have evolved out of a number of years of regulatory experience. Regulated distribution utilities must file cost allocation studies to demonstrate that its tariffs are just and reasonable. Generally accepted methods typically evolve out of the regulatory process, but even these continue to evolve with industry changes and provincial government policy. Furthermore, every utility is different and every utility service area has its own unique characteristics and issues that may justify a different method. Therefore, it is important to justify the rationale for every cost functionalization, classification, and allocation decision, regardless of whether it is a commonly accepted standard or not.



## 2 FUNCTIONALIZATION

15. The starting point for cost allocation is the 2017 MECL Statement of Earnings. This is summarized in Table 1 below.

<b>Table 1<sup>1</sup></b>	
<b>MECL 2017 Statement of Earnings (Revenue Requirement, \$,000)</b>	
Twelve Months ending December 31, 2017	
Operating Expenses	
Energy Costs	118,465
ECAM Adjustment	(2,359)
Net Energy Costs	116,106
Distribution	4,476
Transmission	1,220
Transmission and Distribution - Other	2,056
Transmission - OATT	225
General	9,060
<b>Total Operating Expenses</b>	<b>133,143</b>
Amortization	
Amortization Other	851
Amortization Plant And Equipment	21,373
Total Amortization	22,224
<b>Total Operating Income</b>	<b>155,367</b>
Financing Expenses	
Long-Term Debt	12,065
Short-Term Debt	627
Interest Charged To Construction	(450)
Amortization of Financing Costs	9
<b>Total Financing Expenses</b>	<b>12,252</b>
<b>Earnings before Income Taxes</b>	<b>18,869</b>
<b>Income Taxes</b>	<b>5,941</b>
<b>Net Earnings</b>	<b>12,928</b>
<b>Gross Revenue Requirement</b>	<b>186,488</b>
OATT Revenue	(1,914)
Other Revenue <sup>2</sup>	(1,973)
<b>Net Revenue Requirement</b>	<b>182,601</b>

16. Net earnings identified is equivalent to the allowed return on equity for a prospective revenue requirement. This is because MECL has already adjusted 2017 net earnings to account for the maximum rate of return allowed by the agreement between MECL and the Government of Prince Edward Island.
17. Note that the Statement of Earnings in Table 1 reconciles to MECL's December 2017 IRAC filings, subject to three exceptions: first, the Transmission - OATT revenue line includes external OATT revenue only; second, Pole Revenue is included in other revenue rather than in street light revenue. Finally, although not shown in Table 1, adjustments have been made

<sup>1</sup> Table totals in this report may not reconcile due to rounding.

<sup>2</sup> Inclusive of pole rental revenue.

---

to revenue collected from Small Industrial and Large Industrial customers for the purposes of the cost allocation study. The rationale for these adjustments is explained further in Section 5.

## 2.1 METHOD

18. Consistent with the 2014 Cost Allocation Study, Chymko Consulting's current study fully attributes revenue requirement in Table 1 to one of sixteen functions discussed below. For purposes of summary, the sixteen functions are also discussed under six general categories: power supply, transmission, distribution network, services and metering, customer care, and lighting.

### *Power Supply*

- Generation: MECL's Borden and Charlottetown generating facilities, which are typically dispatched for backup purposes.
- Purchased Power: Energy supply purchases from NB Power and PEI Energy Corp, which are typically dispatched for base load and ancillary service requirements.

### *Transmission*

- High-voltage transmission facilities operating at a voltage of 69 kV or greater.

### *Distribution Network*

- Substations: Facilities used to regulate and step-down voltages from transmission facilities to distribution lines.
- Primary Lines: Bulk distribution lines used to deliver energy from substations to localized distribution transformers.
- Transformers: Facilities used to regulate and step-down voltages from primary distribution lines to a voltage more suitable for the end-use consumer.
- Secondary Lines: Local distribution lines operating at a consumer-level voltage that service multiple end-use customers.

### *Services and Metering*

- Service Lines: Local distribution lines operating at a consumer-level voltage that connect the distribution network to the meter of a single, end-use customer.
- Meter Assets: Metering infrastructure used to measure and record energy consumed by each end-use customer.

- 
- Meter Reading: The process of collecting and processing end-use customer metering data, primarily for the purpose of billing.

### *Customer Care*

- Billing: The process of preparing and delivering invoices to end-use customers for power supply and use of the MECL system.
- Remittance & Collection: The accounts receivable process of collecting and processing end-use customer bill payments.
- Uncollectibles & Damage Claims: Uncollectibles are associated with the cost of outstanding customer invoices (e.g. bad debts), whereas damage claims represent claims against MECL for damage to customers' property.
- Service Connections: Activities related to the connection or re-connection of customers, which may include off-cycle meter reads as well as modifications or additions to secondary lines, service lines, and meters. MECL recovers the cost of these activities under sections O-1 and O-2 of its tariff.
- Late Payments: Penalty revenues associated with consumer accounts in arrears, as recovered under section O-3 of the MECL tariff.

### *Lighting*

- Facilities dedicated to the use of providing electric service to street and area lighting, as defined under sections N-22, N-23, N-25, and N-26 of the MECL tariff.

19. Chymko Consulting functionalizes revenue requirement as per a series of methods and assumptions summarized in Table 2 below, which are unchanged from the 2014 Cost Allocation Study. Overall, this table demonstrates that 63% of revenue requirement is directly assigned to a function. An additional 33% is functionalized according to the same proportions as the underlying facilities and assets, the majority of which are also directly assignable because of detailed asset records. A further 3% is allocated by the same proportions by which labour cost is functionalized, which leaves 2% to be allocated by various methods involving professional judgement.

**Table 2**  
**Methods to Functionalize 2017 MECL Revenue Requirement**

	Direct Assign	Assets & Facilities	Labour	Professional Judgment	Total
Operating Expenses					
Energy Costs	99%	1%	0%	1%	100%
ECAM Adjustment	100%	0%	0%	0%	100%
Net Energy Costs	99%	1%	0%	1%	100%
Distribution	16%	77%	0%	7%	100%
Transmission	100%	0%	0%	0%	100%
Transmission and Distribution - Other	6%	94%	0%	0%	100%
Transmission – OATT	100%	0%	0%	0%	100%
General	7%	16%	47%	30%	100%
Total Operating Expenses	88%	6%	3%	3%	100%
Amortization					
Amortization Other	49%	8%	43%	0%	100%
Amortization Plant And Equipment	0%	100%	0%	0%	100%
Total Amortization	2%	96%	2%	0%	100%
Total Operating Income	76%	19%	3%	2%	100%
Financing Expenses					
Long-Term Debt	0%	100%	0%	0%	100%
Short-Term Debt	0%	100%	0%	0%	100%
Interest Charged To Construction	0%	100%	0%	0%	100%
Amortization of Financing Costs	0%	100%	0%	0%	100%
Total Financing Expenses	0%	100%	0%	0%	100%
Earnings before Income Taxes	0%	100%	0%	0%	100%
Income Taxes	0%	100%	0%	0%	100%
Net Earnings	0%	100%	0%	0%	100%
Gross Revenue Requirement	63%	32%	2%	2%	100%
OATT Revenue	100%	0%	0%	0%	100%
Other Revenue	56%	15%	0%	29%	100%
Net Revenue Requirement	63%	33%	3%	2%	100%

20. To the extent that the information exists, and it is practical to do so, the first priority in functionalization is to directly attribute as much as possible to a given function without the need to allocate. The detailed financial accounting records provided by MECL allows Chymko Consulting to directly assign nearly two thirds of revenue requirement to one of the sixteen functions.
21. That which cannot be directly assigned is allocated. Amortization, debt financing, return, and income tax are the most important examples of a functional allocation. These expenses comprise more than one quarter of the MECL revenue requirement and only indirectly are they associated with the sixteen functions. Amortization, debt financing, and return are all calculated based on MECL's infrastructure investment and therefore the underlying infrastructure becomes a determining factor as to how these expenses should be functionalized. Moreover, MECL pays income tax only if it earns a positive return and therefore, tax is also indirectly associated with utility infrastructure.

- 
22. Chymko Consulting allocates these expenses by the same proportions as the underlying capital infrastructure, which means that gross plant and depreciation must also be fully attributed to each of the sixteen functions. MECL's detailed plant records facilitate a relatively straightforward functionalization process: nearly two-thirds of gross plant in service is directly attributable to a single function and an additional thirty-six percent is attributable to a narrow subset of the sixteen functions.
  23. The next-most important functionalization method as it affects total revenue requirement is general operating expenses that are non-specific to any particular utility function. For instance, because corporate overhead costs (corporate supervisory salaries and employment benefits) exist for the purpose of all other personnel, Chymko Consulting allocated such expenses by the same proportions as all other labour expenses already attributed to the sixteen functions.
  24. The final category of functionalization method used is broadly described as professional judgement in Table 2. This actually describes seven different methods that are applied on a case-by-case basis depending upon the nature of the expense. The two most important methods, as measured by total expense allocated, are used for the allocation of energy control centre expenses and the allocation of finance administration costs. In the case of the former, this and previous studies rely on the professional judgement of MECL staff to functionalize energy control centre: one-quarter to power supply, one-quarter to transmission, and the remaining amount to the distribution network. In the case of financial administration, approximately half of the annual expense is postage and stationary associated with billing and the other half is labour cost. For the half that is labour, expenses are functionalized according to the work responsibilities of the seven personnel in that department.

## 2.2 RESULT

25. The outcome of the functionalization process is summarized in Table 3 below.

<b>Table 3</b>							
<b>Functionalized MECL Revenue Requirement (\$,000)</b>							
	Power Supply	Trans'n	Distrib'n Network	Services and Metering	Customer Care	Lighting	Total
Operating Expenses							
Energy Costs	114,094	3,925	429	16	0	1	118,465
ECAM Adjustment	(2,359)	0	0	0	0	0	(2,359)
Net Energy Costs	111,735	3,925	429	16	0	1	116,106
Distribution	80	80	3,688	590	0	39	4,476
Transmission	0	1,220	0	0	0	0	1,220
T&D – Other	0	0	2,056	0	0	0	2,056
Transmission – OATT	0	225	0	0	0	0	225
General	1,388	1,410	2,971	1,171	2,073	47	9,060
Total Operating Expenses	113,203	6,861	9,144	1,777	2,073	86	133,143
Amortization							0
Other	515	146	160	27	0	2	851
Plant And Equipment	6,627	2,344	9,138	2,923	48	292	21,373
Total Amortization	7,142	2,491	9,298	2,950	48	294	22,224
Total Operating Income	120,345	9,352	18,442	4,727	2,121	381	155,367
Financing Expenses							0
Long-Term Debt	2,261	1,900	6,014	1,710	42	139	12,065
Short-Term Debt	118	99	313	89	2	7	627
Charged To Construction	(84)	(71)	(224)	(64)	(2)	(5)	(450)
Amortization of Financing	2	1	4	1	0	0	9
Total Financing Expenses	2,296	1,929	6,107	1,737	42	141	12,252
Earnings before Tax	122,641	11,281	24,549	6,464	2,163	522	167,619
Income Taxes	1,113	935	2,961	842	21	68	5,941
Net Earnings	2,422	2,036	6,444	1,833	45	149	12,928
Gross Revenue Requirement	126,176	14,252	33,954	9,138	2,228	739	186,488
OATT Revenue	0	(1,914)	0	0	0	0	(1,914)
Other Revenue	(56)	(47)	(720)	(42)	(1,104)	(3)	(1,973)
Net Revenue Requirement	126,121	12,290	33,234	9,096	1,124	735	182,601

26. The results in Table 3 are relatively consistent with previous studies to the extent that Chymko Consulting has followed the same methods as the previous study. Compared to Chymko Consulting's 2014 Cost Allocation Study for MECL, the largest shift in functionalized expense is related to power supply, which has dropped from seventy three percent to sixty-nine per cent of the total functionalized cost (see Table 4 below).
27. Excluding power supply from the analysis, Table 4 also demonstrates that there is an increase in expenses functionalized as transmission. This is attributed to a substantial increase to the Maritime Interconnection Facilities resulting from the lease payment for two new submarine cables.
28. At the same time, costs that are functionalized as distribution related increased at a lower rate than other functionalized costs, resulting in the distribution function's share of revenue requirement decreasing from sixty-three per cent in 2014 to fifty-nine per cent in 2017. This decrease is primarily attributed to slightly lower underground service line maintenance costs, and lower SCADA costs. Such maintenance costs tend to ebb and flow from year-to-year

depending on labour demands for special projects and the level of scheduled underground maintenance checks.

29. The proportion of revenue requirement functionalized as Service & Metering has decreased slightly since 2014, although in absolute dollars the amount of revenue requirement functionalized as Service & Metering is higher than in 2014. These costs did not increase at the same rate as overall revenue requirement because of a slight reduction in supervisory, regulation and training costs.
30. Finally, the level of costs functionalized as Customer Care have also decreased. This is mainly attributable to fewer costs related to claims and uncollectable accounts, as well as lower supervisory costs for both the contact centre and finance labour.

**Table 4**  
**Functionalized MECL Revenue Requirement**

	Power Supply	Trans'n	Distrib'n Network	Services and Metering	Customer Care	Lighting	Total
Percent of total							
2017 Revenue Requirement	69%	7%	18%	5%	1%	0%	100%
2014 Revenue Requirement	73%	4%	17%	5%	1%	0%	100%
Excluding Power Supply							
2017 Revenue Requirement	N/A	22%	59%	16%	2%	1%	100%
2014 Revenue Requirement	N/A	15%	63%	18%	3%	1%	100%

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## 3 CLASSIFICATION

31. Functionalized revenue requirement is next classified based on the generally accepted cost drivers that can be measured in terms of how customers use the system. Costs associated with upstream functions are generally accepted to be a function of the peak demand placed on the system and are classified accordingly. At the other extreme, downstream functions, such as services and metering, are generally a function of the number of sites served.<sup>3</sup>

### 3.1 METHOD

#### *Power Supply*

32. In the context of a vertically integrated and regulated electric utility, power supply requirements are generally considered to be a function of both peak demand and total energy consumed. Power supply is a function of total energy consumed because all else equal, a utility with 50,000 GWh of annual sales would incur higher power supply costs than a utility with 1,000 GWh of annual sales. However, even among two utilities with the same annual sales, generation resource planning (and therefore, cost) will differ based on the peak hourly demand. While a consistently flat electrical load may be better served by larger generating facilities suited for full-on production, a variable and peaking load will require a different mix of generating resources. Options for meeting variable peak demand may include smaller scale facilities, technologies that are able to ramp-up production on relatively short notice, or a combination of the two.
33. In MECL's 2014 Cost Allocation Study, 95 per cent of Point Lepreau annual power supply costs were classified as demand related, which reflected all the fixed costs. Only 5 per cent of costs, which reflected fuel costs, were classified as energy related. However, in the Point Lepreau Cost Allocation Classification Study (filed with the Commission on April 30, 2017), MECL proposed that this method of classifying power supply costs did not adequately reflect the fact that a significant portion of the fixed costs for a base load generating plant such as Point Lepreau are incurred to produce lower cost energy. Thus, these costs could be more appropriately classified as energy related rather than demand related. Consequently, the study recommended a change in allocation such that 25 per cent of Point Lepreau's fixed costs are classified as demand related, and 75 per cent of as energy related. The current cost allocation study reflects those changes.
34. In addition to changes to Point Lepreau power supply costs, the Point Lepreau Cost Allocation Classification Study recommended similar changes to two other types of power supply costs. The first is to classify all combustion turbine fuel costs as energy related rather than demand-

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<sup>3</sup> Note that Chymko Consulting's report often uses the term "sites" as opposed to "customers" in the context of a cost allocation study. The purpose of this terminology is to be clear that a cost allocation study is concerned with attributing revenue requirement to distribution points of delivery or "sites." Some customers may actually be served by multiple sites.



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related in order to better reflect the fact that most of the combustion turbine's fuel usage occurs to supply energy for the system.

35. The second change is to classify a portion of wind purchase power as demand related, rather than 100% energy related. The ratio of costs classified as demand related are in the same proportion as the ratio of wind power nameplate capacity that is included as capacity for capacity planning purposes. For the current cost allocation study this proportion is 23 per cent. This change brings MECL's method for classifying wind energy in line with that of NS Power.
36. Consistent with previous studies, MECL's Energy Control Centre (ECC) is classified as ninety five percent energy related because the main purpose of the ECC is to manage and coordinate the delivery of energy supply. Because at least a portion of ECC activities must ultimately feed into long term resource planning, five percent of the ECC expenses are classified as demand related.

### *Transmission*

37. Transmission lines are part of a bulk delivery system that ultimately services all utility customers, including wholesale customers. Transmission infrastructure is generally unaffected by the addition of one more customer, unless the addition of that customer is expected to materially affect peak system demand. Chymko Consulting therefore considers transmission lines to be demand related and allocates these functions on the basis of coincident peak demand.<sup>4</sup> Coincident peak demand is appropriate for this allocation because transmission facilities must be capable of providing service during the time of system peak. PEI's demand for electricity is at its highest during the winter, and therefore MECL's backbone delivery system must be designed to accommodate peak demand at this time.

### *Distribution Network*

38. Substations are part of a bulk delivery system that services virtually all of MECL customers. Also similar to transmission infrastructure, substations are generally unaffected by the addition of one more customer, unless the addition of that customer is expected to materially affect peak system demand. Thus, substations are classified as demand related and allocated on the basis of coincident peak demand.<sup>5</sup>
39. Functions such as primary lines, transformers, and secondary lines also form MECL's distribution network. These facilities must also be designed to meet peak demand, but it is also true that the cost of these functions will increase as more customers are added to the system. Expanding the distribution system to service new customers will require MECL to

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<sup>4</sup> For transmission lines, peak demand is measured at the transmission system level including losses, which as noted earlier are not evenly distributed between rate classes.

<sup>5</sup> The allocator for substations is also adjusted to recognize that some Large Industrial customers are serviced at a transmission voltage and do not use substation facilities.

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extend distribution lines and install new transformers, and so there will be a base level cost regardless of the capacity that these facilities will be required to carry.

40. This cost allocation study continues with the same basic principles followed in previous MECL cost allocation studies. MECL considers that circumstances have not materially changed and the Company's objective for this study is to apply consistent methods to previous studies and facilitate a more meaningful comparison of results over time. Thus, lines are classified as 50% demand related and 50% site related<sup>6</sup> whereas transformers are classified as 60% demand related and 40% site related.

### *Services, Metering, and Customer Care*

41. Functions such as service lines, metering, meter reading, billing, remittance & collection, and uncollectibles & damage claims are all classified as site related. It is generally recognized that the cost of these functions will primarily vary with the number of customers served. Factors other than demand, energy or sites also play a role in cost causation, but these adjustments are made by the choice of allocation and are discussed further in Section 4.
42. Finally, functions associated with service connections and late payments are also classified as site related. From a cost causation perspective, MECL tracks cost by rate class and so classification of these functions is mainly for presentation purposes. In Section 4, these functions are allocated to rate classes in the exact same proportion as actual revenue.

## 3.2 RESULT

43. MECL's classified revenue requirement is summarized in Table 5 below.

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<sup>6</sup> For the allocation of distribution network functions, allocators are adjusted to recognize that some distribution customers are serviced at a primary voltage and do not use a MECL transformer or secondary line.

<b>Table 5</b>				
<b>Classified 2017 MECL Revenue Requirement (\$,000)</b>				
	Demand	Energy	Site	Total
Operating Expenses				
Energy Costs	21,795	96,543	127	118,465
ECAM Adjustment	(312)	(2,047)	0	(2,359)
Net Energy Costs	21,483	94,497	127	116,106
Distribution	2,248	26	2,202	4,476
Transmission	1,220	0	0	1,220
T&D - Other	1,209	0	847	2,056
Transmission - OATT	225	0	0	225
General	4,020	493	4,547	9,060
Total Operating Expenses	30,405	95,015	7,723	133,143
Amortization	0	0	0	0
Other	356	399	96	851
Plant And Equipment	11,967	2,141	7,264	21,373
Total Amortization	12,323	2,540	7,360	22,224
Total Operating Income	42,728	97,555	15,084	155,367
Financing Expenses	0	0	0	0
Long-Term Debt	6,743	836	4,486	12,065
Short-Term Debt	351	43	233	627
Charged To Construction	(251)	(31)	(167)	(450)
Amortization of Financing	5	1	3	9
Total Financing Expenses	6,847	849	4,555	12,252
Earnings before Tax	10,546	1,308	7,015	18,869
Income Taxes	3,320	412	2,209	5,941
Net Earnings	7,225	896	4,807	12,928
Gross Revenue Requirement	60,122	99,712	26,654	186,488
OATT Revenue	(1,914)	0	0	(1,914)
Other Revenue	(452)	(21)	(1,500)	(1,973)
Net Revenue Requirement	57,755	99,691	25,155	182,601

44. As noted in the April 30, 2017 Point Lepreau Cost Allocation Classification Study, the impact of the changes to the classification of Point Lepreau costs is a shift in costs classified as demand to energy related. The change in the classification of fuel oil further shifts costs from demand to energy. However, the overall shift is somewhat mitigated by the change in classification for wind power from 100 per cent energy related 23 per cent demand related. As shown in Table 6, the overall impact is a 5% decrease in the amount of costs that are classified as demand related and a 5% increase in energy related costs.
45. Without the changes in Point Lepreau cost classification, the percentage of revenue requirement classified as demand related would have increased by about 3% as compared to 2014, and the percentage of revenue requirement classified as energy related would have decreased by about 4%. This reflects an increase in costs functionalized as transmission related as these costs are classified as demand related.
46. The same effect is demonstrated when power supply is excluded from the analysis. As shown in Table 6, when power supply is excluded, more of revenue requirement is classified as demand related.

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<b>Table 6</b>				
<b>Classified MECL Revenue Requirement</b>				
	Demand	Energy	Site	Total
Percent of total				
2017 Revenue Requirement	32%	55%	14%	100%
2014 Revenue Requirement	37%	50%	13%	100%
Excluding Power Supply				
2017 Revenue Requirement	55%	0%	45%	100%
2014 Revenue Requirement	52%	0%	48%	100%

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## 4 ALLOCATION

47. Once revenue requirement is classified between demand, energy, and site related, the next step is to allocate revenue requirement to rate classes. This requires some consideration of how customers should be grouped into rate classes for purposes of allocation as well as choosing the appropriate allocator for each expense.

### 4.1 RATE CLASSES

48. The rate classes used in the current cost allocation study are consistent with previous cost allocation studies and remain influenced by a 1990s regulatory framework that obliged MECL to adopt the same rate schedules as New Brunswick Power. For the 2014 study, Chymko Consulting modified its cost allocation model to accommodate an additional farm rate class separate from residential. This was done in preparation for future rate design changes involving the elimination of the declining block rate structure.<sup>7</sup>
49. In Order UE18-02, IRAC approved MECL's request to complete the current cost allocation study before filing the rate design study required under Order UE16-04R. As such, for the current cost allocation study, Chymko Consulting has continued to accommodate an additional farm rate class separate from residential.

### 4.2 ALLOCATORS

50. The final step of the cost allocation study is to allocate the utility's classified revenue requirement to rate classes. The choice of allocation factor is to a large degree influenced by classification. For example, demand related costs are generally allocated by the same proportions as the peak demand of each rate class. Similarly, energy related costs are allocated by the same proportions as energy sales and site related costs are allocated by the relative number of sites within each rate class. Below are some common measures of customer usage that are often used as the basis for allocation to rate classes.

#### *Coincident Peak Demand (CP)*

51. Coincident peak represents each rate class's contribution to the utility's peak demand day. This is typically measured over the period of one year, but other variants include the sum of peak summer and peak winter demands as well as the sum of daily peak demand for twelve consecutive months. This type of allocator is often paired with demand related costs

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<sup>7</sup> As established in the previous cost allocation study, it is expected that eliminating the declining block rate structure will have a disproportionate impact on farm customers, and therefore the change could be more easily managed if farm customers are first separated from the Residential rate class. For the current study, as in the 2014 Cost Allocation Study, Chymko Consulting assumed the same service line cost and pro-rated peak demand (based on energy sales) for the two customer groups.

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associated with high-voltage transmission. The MECL system peak occurs during the winter due to the combination of lighting and heating demand.

52. While the coincident peak demand allocator recognizes customers are collectively peaking, it also recognizes that that individual customers use energy at different times of the day. For example, a transmission line servicing one 1 MW customer is likely to require higher capacity than a line that services one thousand 1 kW customers who collectively add up to 1 MW. Given that individual customers do not necessarily peak at the same time, this diversity can be factored into transmission system design. The calculation of coincident peak demand also reflects this diversity, making it an appropriate allocator for transmission facilities.
53. Firm load is used to allocate purchased power costs in order to account for the fact that interruptible load reduces the amount of generating capacity that needs to be purchased.

### *Non-Coincident Peak Demand (NCP)*

54. Non-coincident peak demand (NCP) represents the peak demand for each rate class without regard for when the peak occurs for other rate classes. Therefore, the sum of all rate class NCPs is by definition equal to or greater than the system peak. This type of allocator is typically paired with demand related costs associated with more localized distribution facilities. NCP is widely recognized as an appropriate allocator for components of the distribution system that must be designed and built to handle local peak demand situations that do not necessarily correspond to the overall system peak.
55. Distribution network functions classified as demand related are allocated on the basis of non-coincident peak demand. As facilities become more localized, the needs of specific local customers play a more important role in network design. Individual customers served by a distribution feeder are still diverse, but compared to a bulk transmission system that services a greater number and a broader mix of customers, diversity is less of a factor. Thus, local distribution customers are more likely to peak at the same time compared to a random collection of residential, commercial, and industrial customers. Given that local distribution facilities are more likely to serve one particular rate class, an allocation based on non-coincident rate class peak demand is appropriate. The calculation of non-coincident peak demand reflects diversity within a rate class, but not between rate classes.

### *Energy Use*

56. An energy allocator is calculated from rate class kWh sales, grossed-up for losses. This allocator is used for power supply classified as energy related, but is not otherwise used for the other, wires-related functions.

### *Number of Sites*

57. The number of sites within each rate class is used to allocate site-related costs. Depending upon the function to be allocated, a number of adjustments are required. For instance, the allocation of the secondary lines function should exclude distribution sites that are just served

at the primary voltage. Another adjustment is necessary for lighting fixtures and other unmetered points of delivery, which are high in number but the addition of one more fixture should not cause distribution cost to increase as much as the addition of one more residential customer, for example.<sup>8</sup>

58. Furthermore, site counts are sometimes weighted if the per-site cost is known to differ between rate classes and neither a demand nor an energy-based allocation is a reasonable alternative. This situation often occurs when a number of factors either directly or indirectly affect the per-site cost and the net impact is material. This is a generally accepted cost allocation practice and in its cost allocation model, Chymko Consulting weights the site-based allocations of functions such as service lines, meter assets, meter reading, billing, and remittance & collection.
59. While the functions for service connection and late payment revenue are classified as site related, this is mainly for completeness. This revenue is directly assigned to rate classes according the same proportions as it was collected.

### Summary of Allocators

Table 7 Summary of 2017 Peak Demand Allocators					
	Coincident Peak <sup>9</sup> (kW)	Coincident Peak - Firm (kW)	Non-Coincident Peak <sup>10 11</sup> (kW)	Energy Including Losses <sup>9</sup> (MWh)	Sites
Residential	142,677	142,677	171,362	505,169	57,286
Residential (S)	1,581	1,581	6,638	19,523	7,504
Farm	14,756	14,756	17,749	52,322	2,094
General Service	58,081	57,419	85,135	375,639	7,191
General Service (S)	1	1	3,584	9,279	1,704
Small Industrial	14,593	14,593	29,032	88,162	291
Large Industrial	16,303	2,513	6,419	150,029	6
Lights	1,424	1,424	1,444	5,519	4,556
Unmetered	364	364	355	2,416	269
<b>Total</b>	<b>249,780</b>	<b>235,328</b>	<b>321,718</b>	<b>1,208,058</b>	<b>80,902</b>

## 4.3 RESULT

60. MECL's allocated revenue requirement is shown in detail in Appendix A while a simplified version is shown in Table 8 below.

<sup>8</sup> In this study, Chymko Consulting discounted the number of lighting fixtures and unmetered points of delivery by a factor of 0.40. Chymko Consulting selected 0.40 such that the allocated secondary distribution voltage cost per fixture is approximately one fifth of a Residential customer.

<sup>9</sup> Calculated at input voltage.

<sup>10</sup> Calculated at primary voltage.

<sup>11</sup> Excludes transmission only customers and transmission losses.

<b>Table 8</b>						
<b>Allocated 2017 MECL Revenue Requirement (\$,000)</b>						
	Operating Expenses	Capital Expenses	Gross Revenue Requirement	OATT Revenue	Other Revenue	Net Revenue Requirement
Residential	63,270	31,019	94,288	(1,093)	(1,389)	91,806
Residential (S)	2,461	2,162	4,623	(12)	(98)	4,512
Farm	6,177	2,375	8,552	(113)	(67)	8,372
General Service	37,724	10,886	48,610	(445)	(285)	47,880
General Service (S)	896	694	1,590	(0)	(26)	1,565
Small Industrial	8,973	2,602	11,575	(112)	(61)	11,402
Large Industrial	12,392	1,864	14,256	(125)	(16)	14,115
Lights	954	1,644	2,598	(11)	(28)	2,559
Unmetered	296	99	395	(3)	(2)	391
<b>Total</b>	<b>133,143</b>	<b>53,344</b>	<b>186,488</b>	<b>(1,914)</b>	<b>(1,973)</b>	<b>182,601</b>

61. Again, results are consistent with prior studies and differences from the 2014 study are largely caused by how MECL's revenue requirement and customer base has evolved since 2014. A comparison appears below in Table 9, and explanations regarding changes in MECL's customer base follows below.

<b>Table 9</b>				
<b>Allocated MECL Revenue Requirement</b>				
	Total Revenue Requirement		Excluding Power Supply	
	2017	2014	2017	2014
Residential	50%	53%	61%	63%
Residential (S)	2%	2%	5%	5%
Farm	5%		4%	
General Service <sup>12</sup>	26%	28%	19%	19%
General Service (S)	1%	1%	1%	2%
Small Industrial	6%	7%	4%	5%
Large Industrial	8%	8%	2%	2%
Lights	1%	1%	3%	3%
Unmetered	0%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>99%</b>

### *Residential*

62. The Residential rate class share of peak demand is increasing at a faster rate than sales, which results in more costs being allocated to the rate class. The increase in the Residential rate classes' share of peak demand is attributed to a gradual expansion of electric heat. Electric heat is currently the predominant heating source installed in new homes, and this is expected to continue if oil prices continue to rise. Many new homes are putting in both

<sup>12</sup> As per the rate schedules approved in Order EU16-04R, the 2017 Cost Allocation Study does not include a General Service 2 rate class. For the purposes of comparison, the 2014 study General Service 2 results have been combined with General Service 1 (presented as General Service).



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resistive and heat pump installations, with the resistive heat sources intended to operate only during the coldest times of the year.

63. Annual system peaks typically occur between mid-December and mid-January, during extended cold snaps. Holiday lighting is on, and many of the installed heat pumps are supplemented with resistive heat. The utility believes this has been the main contributing factor to observed higher system peaks.
64. The increase in costs allocated to Residential rate class because of an increase in peak demand is slightly offset by the changes related to Point Lepreau cost allocation, specifically the shift in costs from demand to energy related. As such, the Residential rate class's share of revenue requirement (50%) is comparable to previous years'.

### *Residential (Seasonal)*

65. The Residential Seasonal rate class's share of revenue requirement is up slightly from 2014 because of an overall growth in the rate class. Additionally, the seasonal load profile has materially flattened since 2015 as winter sales (November – February) have increased 47% while summer sales have increased 9%.
66. Both the flattening effect and the overall growth in customers is attributed to the seasonal sub-class 131, which has 24% more customers than in 2015. Rate code 131 is billed for the full year (as opposed to rate code 133 which is only billed for the summer months), and because these sites are active in the winter months and consume more energy (both gross and per customer) in the winter than in the summer, the flattening of the seasonal load is also attributed to the growth in this sub-class. A potential area of further study is to assess the appropriateness and value of rate code 131 and whether the service should be consolidated into the regular Residential rate class under the rate code for rural customers.
67. Similar to the Residential rate class, the Seasonal Residential rate class also saw a slight increase in peak demand, the impact of which was also offset by the Point Lepreau changes. Despite these similarities, the Seasonal Residential rate class still has a revenue to cost ratio closer to 100% than the Residential class. This is because the seasonal customers contribute to system peak less than residential customers, and as such they are assigned proportionally fewer generation, power and transmission costs.

### *General Service*

68. Compared to 2014, sales have increased slightly for the General Service rate class, while peak demand has decreased slightly. The change of spread between peak demand and sales differs for residential and general service customers. Residential customers mostly install heat pumps as a supplementary heat source, which coincides with system peak load. General service customers often install heat pumps to provide air conditioning in summer months, which does not coincide with system peak load. This means that the General Service rate peak demand has grown at a materially slower rate than Residential, thereby reducing the General Service share of peak demand, and by extension their share of allocated cost.

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### *Small Industrial*

69. Sales for the Small Industrial rate class are slightly lower than 2015, but this is mainly attributable to the loss of three customers, who were migrated to Large Industrial over the course of 2017 and 2018.<sup>13</sup>
70. With the loss of three customers, the metered demand of the rate class decreased by 2.8 MW, and as such the Small Industrial rate class's share of revenue requirement has decreased from the 2014 study by one percentage point.

### *Large Industrial*

71. Sales for the Large Industrial have increased modestly since 2015; however, these customers were observed not to contribute to the higher system peak (as per interval metering). At the same time, the Large Industrial non-coincident peak has increased, and this is attributable to the addition of the three former Small Industrial customers.
72. Because of a decreased share of coincident peak demand, the Large Industrial rate class is attributed a smaller share of costs associated with functions that are allocated on the basis of CP, such as generation, purchased power and transmission costs. However, this impact is offset by the Large Industrial's increased NCP, which results in a larger share of costs associated with functions that are allocated by NCP, such as distribution lines and transformers. The impact of the lower CP is further offset by the Point Lepreau changes, which result in more costs allocated to the rate class on the basis of energy. As such, the Large Industrial's share of allocated revenue requirement remains consistent with 2014 results.

### *Lights*

73. Conversion to LED streetlights has reduced sales for this rate class by approximately twelve percent and the contribution to system peak demand by ten percent. What would otherwise mean fewer costs allocated to this rate class is offset by increased capital costs (i.e. return and depreciation) that is directly assigned to lights. This is attributed to LED conversions, which has increased the street and yard lights capital asset base by 33% since the 2014 study. Therefore, the total net impact of these offsetting changes is that lighting's share of revenue requirement increases from 1.3 percent to 1.4 percent.

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<sup>13</sup> For the purpose of using the results of this study to go-forward rates, these three customers are removed entirely from 2017 Small Industrial load data and added to 2017 Large Industrial load data. Load data was calculated for the Small Industrial rate class as though the three customers were not a part of this class for the entirety of the year, and for the Large Industrial rate class as though the three customers were part of the rate class for the entirety of the year. Because of the timing of when upgraded meters were actually installed for these customers, a minor amount of estimation was necessary in order to determine the customers' individual contributions to rate class coincident and non-coincident peak demand.

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## 5 CONCLUSIONS

74. Chymko Consulting's 2017 Cost Allocation Study is based on MECL's 2017 Statement of Earnings. To use these results as a yardstick for a 2019 rate proposal, it is necessary to express the allocated net revenue requirement as a percentage share. This adjustment is shown in Table 10.

<b>Table 10</b>		
<b>Allocated 2017 Net Revenue Requirement from Rates</b>		
	<b>Net Revenue Requirement (\$,000)</b>	<b>Percent Share</b>
Residential	91,806	50.3%
Residential (S) <sup>14</sup>	4,512	2.5%
Farm	8,372	4.6%
General Service	47,880	26.2%
General Service (S)	1,565	0.9%
Small Industrial	11,402	6.2%
Large Industrial	14,115	7.7%
Lights	2,559	1.4%
Unmetered	391	0.2%
<b>Total</b>	<b>182,601</b>	<b>100.0%</b>

75. Allocated cost in Table 10 is only one yardstick or guideline for designing 2019 rates. Other rate design considerations are equally important and one such consideration is the current structure and level of rates. If the desired change is too significant and would cause rate shock (i.e. an increase greater than ten percent of the total bill), then it may be necessary to adopt additional strategies to implement change gradually. One such indicator of the possibility of rate shock is the revenue-to-cost ratio. Table 11 below calculates revenue to cost ratios on current rates as well as providing similarly calculated revenue to cost ratios from the 2014 study.

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<sup>14</sup> Of note is the very small allocation to farm customers that are currently billed as Seasonal Residential; this is primarily due to the fact that MECL identified only fifteen such sites in its 2014 data. Chymko Consulting considers there to be too few customers and too few sales to create an administratively feasible rate. Not only is this too small of a sample to depend on consistent cost allocation results over time, but 2014 usage appears very similar to Seasonal Residential and the administration of such a rate class is likely to be burdensome. Thus, Chymko Consulting recommends that these two groups remain in the same Seasonal rate class.

<b>Table 11</b>				
<b>Allocated 2017 Net Revenue Requirement from Rates</b>				
	Revenue Collected	Allocated Cost	Revenue to Cost Ratio	2014 Study
Residential	45.9%	50.3%	91%	92%
Residential (S)	2.4%	2.5%	96%	97%
Farm	3.8%	4.6%	82%	81%
General Service	31.9%	26.2%	121%	117%
General Service (S)	1.0%	0.9%	113%	115%
Small Industrial	6.4%	6.2%	102%	96%
Large Industrial	7.2%	7.7%	94%	100%
Lights <sup>15</sup>	1.3%	1.4%	91%	103%
Unmetered <sup>15</sup>	0.2%	0.2%	104%	103%
Total	100.0%	100.0%	100%	100%

76. Given that the objective of a cost allocation study is to fairly allocate revenue requirement to rate classes on a cost causation basis, a ratio below 100% in Table 11 indicate that (all else equal) rate revenues should be raised for that rate class. Similarly, a ratio above 100% indicates that current rate revenues are above cost and should (all else equal) be lowered.
77. What is generally accepted to be a reasonable revenue to cost ratio will vary among Canadian provinces and regulators. For MECL's specific circumstances, Chymko Consulting considers 100% to be a long-term objective, but variances in any given year would be expected and reasonable. Actual rate impacts will depend upon MECL's rate design proposal, and MECL's proposal will need to make such other considerations such as rate shock and whether an overall general rate increase is required for 2019. Moreover, one must take into account that rates are set prospectively and that normal forecast variances in cost, load, and revenue will mean that the intended revenue to cost ratio will rarely be achieved. Pending further rate design analysis, it may be necessary to compromise revenue to cost ratio objectives in the short run so as to mitigate rate shock for one or more rate classes or even subsets of customers within rate classes. In this situation, a short to medium term objective of transitioning customer rates toward a revenue to cost ratio between 90% and 110% may be more reasonable.
78. The revenue to cost ratio for the general services rate classes has increased since the 2014 Cost Allocation Study (from 117%/115% to 121%). Some of this change can be attributed to Point Lepreau classification, but the larger impact for General Service is related to the growth of transmission and distribution infrastructure since 2015. Many of these capital expenses are functionalized as at least partially demand related, and as noted in the discussion of allocators, peak demand of the General Service rate class grew at a slower rate than Residential, which means that the General Service share of demand related cost decreases.

<sup>15</sup> The 2008 study allocated lighting and unmetered cost based on number of customer accounts, rather than points of distribution delivery (see paragraph 57).

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79. In order to present a revenue to cost ratio that is more relevant on a go-forward basis, MECL assisted Chymko Consulting in removing revenue attributable to the three industrial customers that switched rate classes from the Small Industrial revenue. The share of revenue from this rate class would have otherwise increased, but with the adjustment for the three customers, the share of revenue from this rate class is largely unchanged.
80. Similarly, Chymko Consulting adjusted the revenue for Large Industrial customers to include estimates of what these same customers would have paid in 2017 on Large Industrial rates. These adjustments include equipment rental, fees, transformation charges. The inclusion of these three customers at the Large Industrial rate rather than the Small Industrial rate decreases utility revenue overall.
81. Taking these adjustments into account, the Large Industrial revenue to cost ratio has decreased to 94%, which is still within MECL's range of tolerance. While the share of costs allocated to Large Industrial has remained consistent with the 2014 study, the share of revenue has decreased.<sup>16</sup> Though the rate class gained three Small Industrial customers, another Large Industrial customer exited the system in January 2017. While energy sales for the class increased, sales per customer decreased by thirty percent compared to the 2015 study and revenue per customer has declined by more than thirty five percent (after the adjustment made for Small Industrial customers now paying Large Industrial rates).
82. Considering that some estimation was required to calculate Large Industrial peak demand allocators, Chymko Consulting would not recommend any rate class rebalancing adjustments in future Large Industrial rate design (i.e. adjustments in addition to general increases), at least until the cost allocation study is updated with new data.
83. Unit cost is another output from the cost allocation study with potential use for rate design. Unit cost is calculated by dividing billing units into allocated cost for each rate class. In Table 12 below, Chymko Consulting divides billing demand (i.e. peak demand on the customers' bills) into allocated demand related cost and number of bills into allocated site-related cost.

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<sup>16</sup> If not for the changes to classification of energy purchases discussed in Section 3.1, the Large Industrial share of allocated cost would have also declined by a similar magnitude as revenue and the revenue-to-cost ratio would be 104%.

<b>Table 12</b>		
<b>Unit Cost Results for Consideration in Rate Design</b>		
	Demand Related (\$/kW/Mo Billing Demand)	Site Related (\$/Bill/Mo)
Residential	N/A	24.61
Residential (S)	N/A	44.17
Farm	N/A	24.62
General Service	15.43	30.82
General Service (S)	11.78	63.08
Small Industrial	12.14	37.49
Large Industrial	8.05	247.57
Lights	N/A	537.41
Unmetered	61.48	63.21
Total	0.00	1072.97

84. Site related unit cost gives some indication for an appropriate monthly service charge. Given that the service line, meter, and billing costs are all considered site related, a monthly service charge equal to unit cost would at least ensure the utility is recovering the localized fixed costs from every customer regardless of their consumption. One such application is the seasonal rate, which requires just as much local distribution infrastructure to serve but is billed for only half the year. From a cost-causation perspective, it would be fair for the seasonal rate class to have a higher monthly service charge to ensure these local infrastructure costs are recovered from each site.<sup>17</sup>
85. Similar to the site related unit cost, the demand related unit cost in Table 12 is calculated as the demand related cost divided by the kilowatts billed to customers in that rate class. This only applies to rate classes that are metered and billed for peak demand and unit cost also provides useful information for a potential demand charge. Demand related costs are predominantly related to reserve power supply, transmission, and primary voltage distribution and flowing through the demand related unit cost in the monthly demand charge helps communicate to these customers the value of reducing peak demand.

### *Final Remarks*

86. The overall purpose of a cost allocation study is to develop a benchmark to guide rate design. Rates that reflect the full cost of electric utility service are generally accepted as a worthwhile objective, subject to a number of other considerations that must be taken into account. MECL's existing rate structure presents a number of challenges simply because the basic form and structure has changed only nominally for approximately twenty years. Customer acceptance is an important consideration in rate design and the longevity of the existing structure may make some changes, regardless of their merit, more difficult to accept. It is for this reason that cost allocation results alone should not be the determining factor for rates. The revenue to cost ratios in Table 11 indicates that some rates might need to change

<sup>17</sup> Note that there is an offsetting effect in which seasonal rate classes are allocated fewer demand related costs because they contribute little to system peak by virtue of being less active in the winter.

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significantly. Pending further analysis of any such change, it may well be that rate rebalancing would need to be implemented gradually over the course of multiple years.

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# APPENDIX A: DETAILED SCHEDULES



## MECL 2017 Cost Allocation Model

Schedule Index
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MECL 2017 Cost Allocation Model

Schedule 1.0										
Summary of Cost Allocation Results										
Revenue Requirement (\$,000)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Revenue Collected	85,456	4,424	6,988	58,695	1,804	11,805	13,289	2,415	412	185,288
less Rate of Return Adjustment	(1,622)	(116)	(122)	(557)	(38)	(133)	(88)	(85)	(5)	(2,768)
add Weather Normalization	26	1	2	14	0	3	4	1	0	52
Base Revenue, Comparable for 2017	83,860	4,309	6,868	58,151	1,766	11,675	13,205	2,330	407	182,572
Revenue Share	46%	2%	4%	32%	1%	6%	7%	1%	0%	100%
Allocated Cost (net of Other Revenue)	91,806	4,512	8,372	47,880	1,565	11,402	14,115	2,559	391	182,601
Allocated Share	50%	2%	5%	26%	1%	6%	8%	1%	0%	100%
Revenue to Cost Ratio	91 %	96 %	82 %	121 %	113 %	102 %	94 %	91 %	104 %	100 %
Revenue to Cost Ratio (2015 Study)	92 %	97 %	81 %	117 %	115 %	96 %	100 %	103 %	103 %	100 %
Unit Cost										
Demand Related (\$/kW/Mo Billing)	N/A	N/A	N/A	15.43	11.78	12.14	8.05	N/A	61.48	0.00
Site Related (\$/Bill/Mo)	24.61	44.17	24.62	30.82	63.08	37.49	247.57	537.41	63.21	1,072.97

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Full Revenue Requirement (¢/kWh Sales)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	10.62	8.91	10.61	9.41	7.70	9.54	8.15	10.56	9.46	9.81
ECAM Adjustment	(0.21)	(0.18)	(0.21)	(0.19)	(0.16)	(0.19)	(0.17)	(0.21)	(0.19)	(0.20)
Net Energy Costs	10.41	8.73	10.40	9.22	7.54	9.35	7.98	10.35	9.27	9.61
Distribution	0.55	1.24	0.35	0.21	0.72	0.23	0.03	2.80	0.37	0.37
Transmission	0.14	0.04	0.14	0.08	0.00	0.08	0.05	0.13	0.07	0.10
Transmission and Distribution -	0.25	0.51	0.17	0.10	0.31	0.12	0.01	0.97	0.18	0.17
Transmission - OATT	0.03	0.01	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.02
General	1.15	2.08	0.72	0.42	1.09	0.38	0.16	3.01	2.35	0.75
Total Operating Expenses	12.52	12.61	11.81	10.04	9.66	10.18	8.26	17.28	12.25	11.02
Amortization										
Amortization Other	0.09	0.10	0.08	0.06	0.06	0.06	0.04	0.19	0.07	0.07
Amortization Plant And Equipme	2.44	4.27	1.83	1.17	2.86	1.19	0.54	12.22	1.63	1.77
Total Amortization	2.53	4.37	1.91	1.23	2.92	1.25	0.58	12.41	1.69	1.84
Total Operating Income	15.05	16.98	13.72	11.27	12.58	11.43	8.84	29.70	13.94	12.86
Financing Expenses										
Long-Term Debt	1.40	2.60	1.02	0.65	1.76	0.66	0.26	6.73	0.94	1.00
Short-Term Debt	0.07	0.14	0.05	0.03	0.09	0.03	0.01	0.35	0.05	0.05
Interest Charged To Constructio	(0.05)	(0.10)	(0.04)	(0.02)	(0.07)	(0.02)	(0.01)	(0.25)	(0.03)	(0.04)
Amortization of Financing Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Financing Expenses	1.42	2.64	1.03	0.66	1.79	0.67	0.26	6.84	0.95	1.01
Earnings before Income Taxes	16.48	19.61	14.75	11.93	14.38	12.10	9.10	36.54	14.90	13.88
Income Taxes	0.69	1.28	0.50	0.32	0.87	0.32	0.13	3.32	0.46	0.49
Net Earnings	1.50	2.78	1.09	0.69	1.89	0.71	0.27	7.22	1.01	1.07
Gross Revenue Requirement	18.66	23.68	16.35	12.94	17.14	13.13	9.50	47.07	16.37	15.44
OATT Revenue	(0.22)	(0.06)	(0.22)	(0.12)	(0.00)	(0.13)	(0.08)	(0.20)	(0.12)	(0.16)
Other Revenue	(0.27)	(0.50)	(0.13)	(0.08)	(0.28)	(0.07)	(0.01)	(0.50)	(0.08)	(0.16)
Net Revenue Requirement	18.17	23.11	16.00	12.75	16.86	12.93	9.41	46.37	16.17	15.12

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Demand Related Revenue Requirement (\$/kW/Mo Billing Demand)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	
Operating Expenses										
Energy Costs	N/A	N/A	N/A	5.72	0.10	4.08	2.35	N/A	25.41	
ECAM Adjustment	N/A	N/A	N/A	(0.08)	(0.00)	(0.06)	(0.01)	N/A	(0.37)	
Net Energy Costs	0.00	0.00	0.00	5.64	0.10	4.02	2.34	0.00	25.04	
Distribution	N/A	N/A	N/A	0.64	1.29	0.58	0.19	N/A	2.06	
Transmission	N/A	N/A	N/A	0.31	0.00	0.22	0.30	N/A	1.37	
Transmission and Distribution -	N/A	N/A	N/A	0.34	0.70	0.31	0.09	N/A	1.11	
Transmission - OATT	N/A	N/A	N/A	0.06	0.00	0.04	0.06	N/A	0.25	
General	N/A	N/A	N/A	1.07	1.02	0.86	0.70	N/A	4.14	
Total Operating Expenses	N/A	N/A	N/A	8.05	3.11	6.04	3.67	N/A	33.97	
Amortization										
Amortization Other	N/A	N/A	N/A	0.09	0.05	0.07	0.06	N/A	0.38	
Amortization Plant And Equipme	N/A	N/A	N/A	3.20	3.30	2.60	2.08	N/A	12.21	
Total Amortization	N/A	N/A	N/A	3.30	3.35	2.67	2.14	N/A	12.60	
Total Operating Income	N/A	N/A	N/A	11.35	6.46	8.71	5.81	N/A	46.56	
Financing Expenses										
Long-Term Debt	N/A	N/A	N/A	1.82	2.16	1.51	1.07	N/A	6.77	
Short-Term Debt	N/A	N/A	N/A	0.09	0.11	0.08	0.06	N/A	0.35	
Interest Charged To Constructio	N/A	N/A	N/A	(0.07)	(0.08)	(0.06)	(0.04)	N/A	(0.25)	
Amortization of Financing Costs	N/A	N/A	N/A	0.00	0.00	0.00	0.00	N/A	0.00	
Total Financing Expenses	N/A	N/A	N/A	1.85	2.20	1.53	1.09	N/A	6.88	
Earnings before Income Taxes	N/A	N/A	N/A	2.85	3.38	2.36	1.68	N/A	10.59	
Income Taxes	N/A	N/A	N/A	0.90	1.07	0.74	0.53	N/A	3.34	
Net Earnings	N/A	N/A	N/A	1.95	2.32	1.62	1.15	N/A	7.26	
Gross Revenue Requirement	N/A	N/A	N/A	16.04	12.04	12.60	8.58	N/A	64.04	
OATT Revenue	N/A	N/A	N/A	(0.49)	(0.00)	(0.34)	(0.48)	N/A	(2.15)	
Other Revenue	N/A	N/A	N/A	(0.13)	(0.26)	(0.12)	(0.05)	N/A	(0.41)	
Net Revenue Requirement	N/A	N/A	N/A	15.43	11.78	12.14	8.05	N/A	61.48	

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Energy Related Revenue Requirement (¢/kWh)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	8.04	8.11	8.04	8.01	7.66	8.03	7.74	8.07	8.07	7.99
ECAM Adjustment	(0.17)	(0.17)	(0.17)	(0.17)	(0.16)	(0.17)	(0.16)	(0.17)	(0.17)	(0.17)
Net Energy Costs	7.87	7.94	7.87	7.84	7.49	7.86	7.58	7.90	7.90	7.82
Distribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission and Distribution -	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission - OATT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Total Operating Expenses	7.91	7.98	7.91	7.89	7.54	7.91	7.62	7.95	7.95	7.87
Amortization										
Amortization Other	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Amortization Plant And Equipme	0.18	0.18	0.18	0.18	0.17	0.18	0.17	0.18	0.18	0.18
Total Amortization	0.21	0.21	0.21	0.21	0.20	0.21	0.20	0.21	0.21	0.21
Total Operating Income	8.12	8.19	8.12	8.10	7.74	8.12	7.82	8.16	8.16	8.08
Financing Expenses										
Long-Term Debt	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Short-Term Debt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest Charged To Constructio	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Amortization of Financing Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Financing Expenses	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Earnings before Income Taxes	0.11	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.11	0.11
Income Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Net Earnings	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Gross Revenue Requirement	8.41	8.48	8.41	8.39	8.01	8.41	8.10	8.45	8.45	8.36
OATT Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Revenue	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Net Revenue Requirement	8.41	8.48	8.41	8.38	8.01	8.41	8.10	8.45	8.45	8.36

MECL 2017 Cost Allocation Model

Schedule 1.1										
Unit Cost Summary										
Site Related Revenue Requirement (\$/Bill)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	0.13	0.23	0.13	0.14	0.28	0.16	0.38	2.37	0.23	4.04
ECAM Adjustment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Energy Costs	0.13	0.23	0.13	0.14	0.28	0.16	0.38	2.37	0.23	4.04
Distribution	2.24	3.92	2.24	2.29	4.56	3.08	6.03	43.31	3.59	71.25
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission and Distribution -	0.87	1.53	0.87	0.87	1.74	0.87	0.39	14.38	1.63	23.16
Transmission - OATT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General	4.86	6.83	4.86	5.05	7.93	5.39	39.67	42.97	29.19	146.74
Total Operating Expenses	8.10	12.51	8.10	8.34	14.50	9.50	46.48	103.02	34.65	245.19
Amortization										
Amortization Other	0.10	0.17	0.10	0.10	0.20	0.14	0.30	2.00	0.16	3.27
Amortization Plant And Equipme	6.93	12.79	6.93	9.26	19.32	13.27	80.82	181.37	11.05	341.74
Total Amortization	7.02	12.96	7.02	9.36	19.53	13.41	81.12	183.37	11.21	345.00
Total Operating Income	15.12	25.47	15.12	17.70	34.03	22.91	127.60	286.39	45.85	590.20
Financing Expenses										
Long-Term Debt	4.32	7.93	4.32	5.81	12.07	8.09	50.69	100.31	7.05	200.58
Short-Term Debt	0.22	0.41	0.22	0.30	0.63	0.42	2.64	5.22	0.37	10.43
Interest Charged To Constructio	(0.16)	(0.30)	(0.16)	(0.22)	(0.45)	(0.30)	(1.89)	(3.74)	(0.26)	(7.48)
Amortization of Financing Costs	0.00	0.01	0.00	0.00	0.01	0.01	0.04	0.07	0.01	0.14
Total Financing Expenses	4.38	8.05	4.38	5.90	12.26	8.21	51.47	101.86	7.16	203.68
Earnings before Income Taxes	19.51	33.52	19.51	23.60	46.28	31.12	179.07	388.25	53.01	793.87
Income Taxes	2.13	3.90	2.13	2.86	5.94	3.98	24.96	49.39	3.47	98.76
Net Earnings	4.62	8.50	4.62	6.23	12.93	8.67	54.31	107.48	7.56	214.92
Gross Revenue Requirement	26.26	45.92	26.26	32.69	65.16	43.78	258.34	545.12	64.04	1,107.56
OATT Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Revenue	(1.65)	(1.75)	(1.64)	(1.88)	(2.08)	(6.29)	(10.77)	(7.70)	(0.83)	(34.59)
Net Revenue Requirement	24.61	44.17	24.62	30.82	63.08	37.49	247.57	537.41	63.21	1,072.97

MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Full Revenue Requirement (¢/kWh Sales)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	1.85	0.87	1.84	1.22	0.46	1.28	0.99	1.73	1.21	1.48
Purchased Power	9.54	8.38	9.54	8.73	7.45	8.83	7.64	9.43	8.78	8.96
Transmission	1.39	0.40	1.39	0.76	0.00	0.81	0.53	1.27	0.74	1.02
Substations	0.32	0.09	0.32	0.17	0.00	0.19	0.02	0.30	0.17	0.22
Primary Lines	1.80	4.27	1.14	0.69	2.55	0.78	0.10	8.10	1.35	1.22
Transformers	1.28	2.73	0.89	0.56	1.75	0.68	0.09	4.92	0.89	0.89
Secondary Lines	0.63	1.48	0.39	0.24	0.88	0.27	0.03	2.80	0.47	0.42
Service Lines	0.87	3.50	0.31	0.16	1.88	0.07	0.00	4.39	0.59	0.53
Meter Assets	0.19	0.64	0.07	0.16	1.58	0.03	0.01	0.00	0.00	0.16
Meter Reading	0.13	0.25	0.05	0.02	0.11	0.00	0.00	0.00	0.00	0.07
Billing	0.14	0.28	0.05	0.02	0.12	0.00	0.00	0.06	1.88	0.08
Remittance & Collection	0.10	0.20	0.04	0.02	0.08	0.00	0.00	0.06	0.10	0.05
Uncollectibles & Damage Claims	0.07	0.24	0.02	0.01	0.11	0.00	0.00	0.00	0.00	0.04
Service Connections	(0.05)	(0.14)	(0.02)	(0.01)	(0.06)	(0.00)	0.00	(0.00)	(0.00)	(0.03)
Late Payments	(0.10)	(0.08)	(0.03)	(0.03)	(0.05)	(0.02)	(0.00)	(0.02)	(0.00)	(0.05)
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.33	0.00	0.06
Total	18.17	23.11	16.00	12.75	16.86	12.93	9.41	46.37	16.17	15.12

MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Demand Related Revenue Requirement (\$/kW/Mo Billing Demand)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.00	0.00	0.00	3.07	0.00	2.17	3.02	0.00	13.57	7.96
Purchased Power	0.00	0.00	0.00	3.82	0.00	2.73	0.59	0.00	17.05	9.42
Transmission	0.00	0.00	0.00	3.12	0.00	2.20	3.07	0.00	13.78	8.08
Substations	0.00	0.00	0.00	0.70	0.00	0.51	0.13	0.00	3.21	1.77
Primary Lines	0.00	0.00	0.00	2.12	5.29	2.03	0.56	0.00	6.24	4.83
Transformers	0.00	0.00	0.00	1.87	4.65	1.79	0.49	0.00	5.48	4.25
Secondary Lines	0.00	0.00	0.00	0.74	1.83	0.70	0.19	0.00	2.16	1.67
Service Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Reading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Billing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remittance & Collection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncollectibles & Damage Claims	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Connections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Late Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	15.43	11.78	12.14	8.05	0.00	61.48	37.99



MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Energy Related Revenue Requirement (¢/kWh)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.48	0.48	0.48	0.48	0.45	0.48	0.46	0.48	0.48	0.47
Purchased Power	7.82	7.89	7.82	7.80	7.45	7.82	7.53	7.86	7.86	7.78
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Primary Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transformers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Secondary Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meter Reading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Billing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remittance & Collection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uncollectibles & Damage Claims	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Service Connections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Late Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.30	8.37	8.30	8.27	7.91	8.30	7.99	8.34	8.34	8.25

MECL 2017 Cost Allocation Model

Schedule 1.2										
Unit Cost by Function										
Site Related Revenue Requirement (\$/Bill)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchased Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Primary Lines	7.57	13.25	7.57	7.57	15.05	7.57	6.31	124.72	14.15	203.76
Transformers	4.43	7.76	4.43	4.43	8.82	4.43	0.00	73.07	8.29	115.68
Secondary Lines	2.62	4.59	2.62	2.62	5.21	2.62	0.00	43.20	4.90	68.40
Service Lines	6.40	13.28	6.40	7.09	16.93	18.70	64.55	73.08	8.29	214.74
Meter Assets	1.39	2.43	1.39	7.16	14.24	7.16	154.28	0.00	0.00	188.05
Meter Reading	0.95	0.95	0.95	0.95	0.95	0.95	4.77	0.00	0.00	10.48
Billing	1.05	1.05	1.05	1.05	1.05	1.05	26.24	1.05	26.24	59.82
Remittance & Collection	0.76	0.76	0.76	0.76	0.76	0.76	0.76	1.05	1.42	7.80
Uncollectibles & Damage Claims	0.52	0.91	0.52	0.52	1.03	0.00	0.00	0.00	0.00	3.50
Service Connections	(0.39)	(0.52)	(0.39)	(0.24)	(0.54)	(0.07)	0.00	(0.02)	(0.03)	(2.19)
Late Payments	(0.71)	(0.30)	(0.70)	(1.10)	(0.44)	(5.70)	(9.33)	(0.35)	(0.06)	(18.68)
Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	221.62	0.00	221.62
Total	24.61	44.17	24.62	30.82	63.08	37.49	247.57	537.41	63.21	1,072.97

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Full Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	53,653	1,740	5,549	35,354	715	8,414	12,229	583	228	118,465
ECAM Adjustment	(1,050)	(36)	(109)	(714)	(15)	(170)	(250)	(11)	(5)	(2,359)
Net Energy Costs	52,603	1,704	5,440	34,640	700	8,245	11,979	571	224	116,106
Distribution	2,777	242	184	788	67	202	52	155	9	4,476
Transmission	697	8	72	284	0	71	80	7	2	1,220
Transmission and Distribution -	1,262	100	91	389	29	105	22	54	4	2,056
Transmission - OATT	129	1	13	52	0	13	15	1	0	225
General	5,802	405	377	1,572	101	336	244	166	57	9,060
Total Operating Expenses	63,270	2,461	6,177	37,724	896	8,973	12,392	954	296	133,143
Amortization										
Amortization Other	437	19	41	219	6	53	64	10	2	851
Amortization Plant And Equipme	12,342	834	959	4,400	266	1,051	807	675	39	21,373
Total Amortization	12,780	853	999	4,619	271	1,104	871	685	41	22,224
Total Operating Income	76,049	3,314	7,177	42,343	1,168	10,077	13,263	1,639	337	155,367
Financing Expenses										
Long-Term Debt	7,071	507	533	2,430	164	581	385	372	23	12,065
Short-Term Debt	368	26	28	126	9	30	20	19	1	627
Interest Charged To Constructio	(264)	(19)	(20)	(91)	(6)	(22)	(14)	(14)	(1)	(450)
Amortization of Financing Costs	5	0	0	2	0	0	0	0	0	9
Total Financing Expenses	7,180	515	541	2,467	166	590	391	377	23	12,252
Earnings before Income Taxes	11,059	794	834	3,800	256	908	602	581	35	18,869
Income Taxes	3,482	250	263	1,196	81	286	190	183	11	5,941
Net Earnings	7,577	544	571	2,603	175	622	412	398	24	12,928
Gross Revenue Requirement	94,288	4,623	8,552	48,610	1,590	11,575	14,256	2,598	395	186,488
OATT Revenue	(1,093)	(12)	(113)	(445)	(0)	(112)	(125)	(11)	(3)	(1,914)
Other Revenue	(1,389)	(98)	(67)	(285)	(26)	(61)	(16)	(28)	(2)	(1,973)
Net Revenue Requirement	91,806	4,512	8,372	47,880	1,565	11,402	14,115	2,559	391	182,601

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Demand Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	12,961	145	1,340	5,240	1	1,330	615	129	33	21,795
ECAM Adjustment	(189)	(2)	(20)	(76)	(0)	(19)	(3)	(2)	(0)	(312)
Net Energy Costs	12,772	143	1,321	5,163	1	1,311	612	127	33	21,483
Distribution	1,227	40	127	582	20	190	48	11	3	2,248
Transmission	697	8	72	284	0	71	80	7	2	1,220
Transmission and Distribution -	662	22	69	314	11	102	22	6	1	1,209
Transmission - OATT	129	1	13	52	0	13	15	1	0	225
General	2,253	46	233	982	16	281	182	21	5	4,020
Total Operating Expenses	17,739	260	1,835	7,378	48	1,968	959	173	44	30,405
Amortization										
Amortization Other	203	3	21	86	1	23	16	2	0	356
Amortization Plant And Equipme	6,680	141	691	2,934	51	847	544	63	16	11,967
Total Amortization	6,883	145	712	3,019	52	870	560	65	16	12,323
Total Operating Income	24,623	405	2,547	10,398	100	2,839	1,519	238	61	42,728
Financing Expenses										
Long-Term Debt	3,752	86	388	1,668	33	491	281	35	9	6,743
Short-Term Debt	195	4	20	87	2	26	15	2	0	351
Interest Charged To Constructio	(140)	(3)	(14)	(62)	(1)	(18)	(10)	(1)	(0)	(251)
Amortization of Financing Costs	3	0	0	1	0	0	0	0	0	5
Total Financing Expenses	3,810	87	394	1,693	34	499	285	36	9	6,847
Earnings before Income Taxes	5,868	134	607	2,608	52	768	439	55	14	10,546
Income Taxes	1,848	42	191	821	16	242	138	17	4	3,320
Net Earnings	4,021	92	416	1,787	36	526	301	37	9	7,225
Gross Revenue Requirement	34,301	626	3,549	14,699	186	4,106	2,242	328	83	60,122
OATT Revenue	(1,093)	(12)	(113)	(445)	(0)	(112)	(125)	(11)	(3)	(1,914)
Other Revenue	(245)	(8)	(25)	(117)	(4)	(38)	(13)	(2)	(1)	(452)
Net Revenue Requirement	32,963	606	3,410	14,137	182	3,956	2,105	315	80	57,755

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Energy Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	40,604	1,583	4,206	30,103	711	7,084	11,614	446	195	96,543
ECAM Adjustment	(861)	(34)	(89)	(638)	(15)	(150)	(246)	(9)	(4)	(2,047)
Net Energy Costs	39,743	1,549	4,116	29,464	695	6,934	11,367	436	191	94,497
Distribution	11	0	1	8	0	2	3	0	0	26
Transmission	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0
General	207	8	21	154	4	36	59	2	1	493
Total Operating Expenses	39,961	1,558	4,139	29,626	699	6,972	11,430	439	192	95,015
Amortization										
Amortization Other	168	7	17	124	3	29	48	2	1	399
Amortization Plant And Equipme	900	35	93	668	16	157	258	10	4	2,141
Total Amortization	1,068	42	111	792	19	186	306	12	5	2,540
Total Operating Income	41,029	1,599	4,250	30,418	718	7,158	11,735	450	197	97,555
Financing Expenses										
Long-Term Debt	352	14	36	261	6	61	101	4	2	836
Short-Term Debt	18	1	2	14	0	3	5	0	0	43
Interest Charged To Constructio	(13)	(1)	(1)	(10)	(0)	(2)	(4)	(0)	(0)	(31)
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	1
Total Financing Expenses	357	14	37	265	6	62	102	4	2	849
Earnings before Income Taxes	550	21	57	408	10	96	157	6	3	1,308
Income Taxes	173	7	18	128	3	30	50	2	1	412
Net Earnings	377	15	39	279	7	66	108	4	2	896
Gross Revenue Requirement	41,937	1,635	4,344	31,091	734	7,316	11,995	460	201	99,712
OATT Revenue	0	0	0	0	0	0	0	0	0	0
Other Revenue	(9)	(0)	(1)	(6)	(0)	(2)	(2)	(0)	(0)	(21)
Net Revenue Requirement	41,928	1,634	4,343	31,084	734	7,315	11,992	460	201	99,691

MECL 2017 Cost Allocation Model

Schedule 1.3										
Allocated Revenue Requirement (\$,000)										
Site Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Operating Expenses										
Energy Costs	88	12	3	12	3	1	0	8	0	127
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	88	12	3	12	3	1	0	8	0	127
Distribution	1,539	202	56	197	47	11	0	144	6	2,202
Transmission	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	600	79	22	75	18	3	0	48	3	847
Transmission - OATT	0	0	0	0	0	0	0	0	0	0
General	3,342	351	122	436	81	19	3	143	50	4,547
Total Operating Expenses	5,569	643	204	720	149	33	3	342	60	7,723
Amortization										
Amortization Other	67	9	2	9	2	0	0	7	0	96
Amortization Plant And Equipme	4,762	658	174	799	199	46	6	602	19	7,264
Total Amortization	4,828	667	176	808	201	47	6	608	19	7,360
Total Operating Income	10,397	1,310	380	1,528	350	80	9	950	79	15,084
Financing Expenses										
Long-Term Debt	2,967	408	108	501	124	28	4	333	12	4,486
Short-Term Debt	154	21	6	26	6	1	0	17	1	233
Interest Charged To Constructio	(111)	(15)	(4)	(19)	(5)	(1)	(0)	(12)	(0)	(167)
Amortization of Financing Costs	2	0	0	0	0	0	0	0	0	3
Total Financing Expenses	3,013	414	110	509	126	29	4	338	12	4,555
Earnings before Income Taxes	4,640	638	170	784	194	44	6	521	19	7,015
Income Taxes	1,461	201	53	247	61	14	2	164	6	2,209
Net Earnings	3,179	437	116	537	133	30	4	357	13	4,807
Gross Revenue Requirement	18,050	2,362	660	2,821	670	153	19	1,809	111	26,654
OATT Revenue	0	0	0	0	0	0	0	0	0	0
Other Revenue	(1,135)	(90)	(41)	(162)	(21)	(22)	(1)	(26)	(1)	(1,500)
Net Revenue Requirement	16,915	2,272	619	2,659	649	131	18	1,783	109	25,155

MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Full Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	9,323	171	965	4,601	42	1,128	1,479	95	29	17,833
Purchased Power	48,204	1,637	4,991	32,793	692	7,783	11,456	520	212	108,288
Transmission	7,020	78	726	2,858	0	718	802	70	18	12,290
Substations	1,634	18	169	642	0	167	34	16	4	2,684
Primary Lines	9,118	833	596	2,598	237	690	147	447	33	14,697
Transformers	6,488	533	468	2,091	163	598	129	271	21	10,763
Secondary Lines	3,158	289	206	900	82	239	51	155	11	5,091
Service Lines	4,400	683	161	612	174	65	5	243	14	6,357
Meter Assets	955	125	35	618	146	25	11	0	0	1,915
Meter Reading	655	49	24	82	10	3	0	0	0	824
Billing	721	54	26	91	11	4	2	3	45	957
Remittance & Collection	523	39	19	66	8	3	0	3	2	664
Uncollectibles & Damage Claims	357	47	13	45	11	0	0	0	0	472
Service Connections	(266)	(27)	(10)	(20)	(6)	(0)	0	(0)	(0)	(329)
Late Payments	(485)	(15)	(18)	(95)	(5)	(20)	(1)	(1)	(0)	(639)
Lighting	0	0	0	0	0	0	0	735	0	735
Total	91,806	4,512	8,372	47,880	1,565	11,402	14,115	2,559	391	182,601

MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Demand Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	6,913	77	715	2,814	0	707	790	69	18	12,102
Purchased Power	8,687	96	898	3,496	0	888	153	87	22	14,327
Transmission	7,020	78	726	2,858	0	718	802	70	18	12,290
Substations	1,634	18	169	642	0	167	34	16	4	2,684
Primary Lines	3,914	152	405	1,945	82	663	147	33	8	7,348
Transformers	3,440	133	356	1,709	72	583	129	29	7	6,458
Secondary Lines	1,356	53	140	674	28	230	51	11	3	2,545
Service Lines	0	0	0	0	0	0	0	0	0	0
Meter Assets	0	0	0	0	0	0	0	0	0	0
Meter Reading	0	0	0	0	0	0	0	0	0	0
Billing	0	0	0	0	0	0	0	0	0	0
Remittance & Collection	0	0	0	0	0	0	0	0	0	0
Uncollectibles & Damage Claims	0	0	0	0	0	0	0	0	0	0
Service Connections	0	0	0	0	0	0	0	0	0	0
Late Payments	0	0	0	0	0	0	0	0	0	0
Lighting	0	0	0	0	0	0	0	0	0	0
Total	32,963	606	3,410	14,137	182	3,956	2,105	315	80	57,755



MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Energy Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	2,410	94	250	1,787	42	420	689	26	12	5,731
Purchased Power	39,518	1,540	4,093	29,297	691	6,894	11,303	434	190	93,960
Transmission	0	0	0	0	0	0	0	0	0	0
Substations	0	0	0	0	0	0	0	0	0	0
Primary Lines	0	0	0	0	0	0	0	0	0	0
Transformers	0	0	0	0	0	0	0	0	0	0
Secondary Lines	0	0	0	0	0	0	0	0	0	0
Service Lines	0	0	0	0	0	0	0	0	0	0
Meter Assets	0	0	0	0	0	0	0	0	0	0
Meter Reading	0	0	0	0	0	0	0	0	0	0
Billing	0	0	0	0	0	0	0	0	0	0
Remittance & Collection	0	0	0	0	0	0	0	0	0	0
Uncollectibles & Damage Claims	0	0	0	0	0	0	0	0	0	0
Service Connections	0	0	0	0	0	0	0	0	0	0
Late Payments	0	0	0	0	0	0	0	0	0	0
Lighting	0	0	0	0	0	0	0	0	0	0
Total	41,928	1,634	4,343	31,084	734	7,315	11,992	460	201	99,691

MECL 2017 Cost Allocation Model

Schedule 1.4										
Allocated Revenue Requirement (\$,000)										
Site Related Revenue Requirement										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0	0	0	0	0	0	0	0	0	0
Purchased Power	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0
Substations	0	0	0	0	0	0	0	0	0	0
Primary Lines	5,204	682	190	653	155	26	0	414	24	7,348
Transformers	3,049	399	111	383	91	16	0	242	14	4,305
Secondary Lines	1,802	236	66	226	54	9	0	143	8	2,545
Service Lines	4,400	683	161	612	174	65	5	243	14	6,357
Meter Assets	955	125	35	618	146	25	11	0	0	1,915
Meter Reading	655	49	24	82	10	3	0	0	0	824
Billing	721	54	26	91	11	4	2	3	45	957
Remittance & Collection	523	39	19	66	8	3	0	3	2	664
Uncollectibles & Damage Claims	357	47	13	45	11	0	0	0	0	472
Service Connections	(266)	(27)	(10)	(20)	(6)	(0)	0	(0)	(0)	(329)
Late Payments	(485)	(15)	(18)	(95)	(5)	(20)	(1)	(1)	(0)	(639)
Lighting	0	0	0	0	0	0	0	735	0	735
Total	16,915	2,272	619	2,659	649	131	18	1,783	109	25,155

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Allocators										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	52.3 %	1.0 %	5.4 %	25.8 %	0.2 %	6.3 %	8.3 %	0.5 %	0.2 %	100.0 %
Purchased Power	44.5 %	1.5 %	4.6 %	30.3 %	0.6 %	7.2 %	10.6 %	0.5 %	0.2 %	100.0 %
Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
Substations	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
Primary Lines	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %
Transformers	60.3 %	4.9 %	4.3 %	19.4 %	1.5 %	5.6 %	1.2 %	2.5 %	0.2 %	100.0 %
Secondary Lines	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Uncollectibles & Damage Claims	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Connections	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Late Payments	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Demand Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
Purchased Power	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
Substations	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
Primary Lines	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Transformers	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Secondary Lines	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Uncollectibles & Damage Claims	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connections	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Late Payments	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Energy Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Purchased Power	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Substations	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Primary Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Transformers	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Secondary Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Uncollectibles & Damage Claims	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connections	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Late Payments	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

MECL 2017 Cost Allocation Model

Schedule 2.0										
Allocators by Function										
Site Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Generation	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Purchased Power	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Substations	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Primary Lines	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Transformers	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Secondary Lines	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Uncollectibles & Damage Claims	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Connections	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Late Payments	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Allocators										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Input Firm	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
1CP - Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Distribution Primary	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
NCP - Distribution Primary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
NCP - Distribution Secondary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Energy - Input	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Sites	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Primary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Secondary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Mass Market	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Service Connection Revenue	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Penalty Revenue	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %
MECL Generation	52.3 %	1.0 %	5.4 %	25.8 %	0.2 %	6.3 %	8.3 %	0.5 %	0.2 %	100.0 %
MECL Purchases	44.5 %	1.5 %	4.6 %	30.3 %	0.6 %	7.2 %	10.6 %	0.5 %	0.2 %	100.0 %
Primary System	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %
Distribution Transformers	60.3 %	4.9 %	4.3 %	19.4 %	1.5 %	5.6 %	1.2 %	2.5 %	0.2 %	100.0 %
Secondary System	62.0 %	5.7 %	4.1 %	17.7 %	1.6 %	4.7 %	1.0 %	3.0 %	0.2 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Demand Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Input Firm	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
1CP - Transmission	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
1CP - Distribution Primary	60.9 %	0.7 %	6.3 %	23.9 %	0.0 %	6.2 %	1.2 %	0.6 %	0.2 %	100.0 %
NCP - Distribution Primary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
NCP - Distribution Secondary	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Energy - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Mass Market	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connection Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Penalty Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
MECL Generation	57.1 %	0.6 %	5.9 %	23.3 %	0.0 %	5.8 %	6.5 %	0.6 %	0.1 %	100.0 %
MECL Purchases	60.6 %	0.7 %	6.3 %	24.4 %	0.0 %	6.2 %	1.1 %	0.6 %	0.2 %	100.0 %
Primary System	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Distribution Transformers	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %
Secondary System	53.3 %	2.1 %	5.5 %	26.5 %	1.1 %	9.0 %	2.0 %	0.4 %	0.1 %	100.0 %



MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Energy Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Input Firm	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Energy - Input	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Sites	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites - Mass Market	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Lines	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Assets	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Meter Reading	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Billing	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Remittance & Collection	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Service Connection Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Penalty Revenue	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
MECL Generation	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
MECL Purchases	42.1 %	1.6 %	4.4 %	31.2 %	0.7 %	7.3 %	12.0 %	0.5 %	0.2 %	100.0 %
Primary System	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Distribution Transformers	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Secondary System	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

MECL 2017 Cost Allocation Model

Schedule 2.1										
Allocators										
Site Allocators, Isolated (%)										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Input Firm	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Transmission	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
1CP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Primary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
NCP - Distribution Secondary	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Energy - Input	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sites	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Primary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Distribution Secondary	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Sites - Mass Market	75.6 %	9.9 %	2.8 %	9.5 %	2.2 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Service Lines	69.2 %	10.7 %	2.5 %	9.6 %	2.7 %	1.0 %	0.1 %	3.8 %	0.2 %	100.0 %
Meter Assets	49.9 %	6.5 %	1.8 %	32.3 %	7.6 %	1.3 %	0.6 %	0.0 %	0.0 %	100.0 %
Meter Reading	79.5 %	6.0 %	2.9 %	10.0 %	1.2 %	0.4 %	0.0 %	0.0 %	0.0 %	100.0 %
Billing	75.3 %	5.6 %	2.8 %	9.5 %	1.1 %	0.4 %	0.2 %	0.4 %	4.7 %	100.0 %
Remittance & Collection	78.8 %	5.9 %	2.9 %	9.9 %	1.2 %	0.4 %	0.0 %	0.5 %	0.4 %	100.0 %
Service Connection Revenue	80.9 %	8.2 %	2.9 %	6.2 %	1.7 %	0.1 %	0.0 %	0.0 %	0.0 %	100.0 %
Penalty Revenue	75.8 %	2.4 %	2.7 %	14.9 %	0.7 %	3.1 %	0.1 %	0.2 %	0.0 %	100.0 %
Lighting Direct Assign	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %	0.0 %	100.0 %
MECL Generation	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
MECL Purchases	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Primary System	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Distribution Transformers	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %
Secondary System	70.8 %	9.3 %	2.6 %	8.9 %	2.1 %	0.4 %	0.0 %	5.6 %	0.3 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 2.2										
Allocator Assumptions										
Site Allocator Weighting Assumptions										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
Service Lines	353	418	353	391	470	1,031	3,560	245	245	6,576
Meter Assets	49	49	49	250	250	250	5,388	0	0	6,284
Meter Reading	12	7	12	12	6	12	60	0	0	121
Billing	12	7	12	12	6	12	300	1	300	361
Remittance & Collection	12	7	12	12	6	12	12	1	12	73
Lighting & Unmetered Equivalence								0.40	0.40	
Base Allocators										
	Residential	Residential (S)	Farm	General Service 1	General Service 1 (S)	Small Industrial	Large Industrial	Lights	Unmetered	Total
1CP - Input (kW)	142,677	1,581	14,756	58,081	1	14,593	16,303	1,424	364	249,780
1CP - Input Firm (kW)	142,677	1,581	14,756	57,419	1	14,593	2,513	1,424	364	235,328
1CP - Transmission (kW)	139,173	1,542	14,393	56,654	1	14,235	15,903	1,389	355	243,645
1CP - Distribution Primary (kW)	139,173	1,542	14,393	54,695	1	14,235	2,857	1,389	355	228,640
NCP - Distribution Primary (kW)	171,362	6,638	17,749	85,135	3,584	29,032	6,419	1,444	355	321,718
NCP - Distribution Secondary (kW)	161,888	6,271	16,767	80,428	3,386	27,427	6,064	1,364	335	303,931
Energy - Input (MWh)	545,726	21,273	56,523	404,585	9,549	95,207	156,089	5,989	2,621	1,297,563
Sites	57,286	7,504	2,094	7,191	1,704	291	6	4,556	269	80,902
Sites - Distribution Primary	57,286	7,504	2,094	7,190	1,704	291	5	4,556	269	80,900
Sites - Distribution Secondary	57,286	7,504	2,094	7,190	1,704	291	0	4,556	269	80,895
Sites - Mass Market	57,286	7,504	2,094	7,191	1,704	0	0	0	0	75,780
Service Lines (\$,000)	20,219	3,140	739	2,812	800	301	21	1,114	66	29,212
Meter Assets (\$,000)	2,779	364	102	1,798	426	73	32	0	0	5,574
Meter Reading (Weighted Sites x 1000)	687	51	25	86	10	3	0	0	0	864
Billing (Weighted Sites x 1000)	687	51	25	86	10	3	2	3	43	912
Remittance & Collection (Weighted Sites x 1000)	687	51	25	86	10	3	0	5	3	872
Service Connection Revenue (\$,000)	375	38	14	29	8	0	0	0	0	464
Penalty Revenue (\$,000)	485	15	18	95	5	20	1	1	0	639
Lighting Direct Assign	0	0	0	0	0	0	0	1	0	1
Sales Data										
Billing Demand (kW * 12 Months)	N/A	N/A	N/A	916,109	15,480	325,915	261,436	N/A	1,300	1,520,241
Peak metered demand	N/A	N/A	N/A	916,109	15,480	324,009	260,334	N/A	N/A	1,515,932
Sales (MWh)	505,169	19,523	52,322	375,639	9,279	88,162	150,029	5,519	2,416	1,208,058
Average Bills per Month	57,286	7,504	2,094	7,191	1,704	0	6	3,318	144	79,539
Revenue (\$,000)	85,456	4,424	6,988	58,695	1,804	11,805	13,289	2,415	412	185,288
Lighting & Unmetered Fixtures								11,390	673	

## MECL 2017 Cost Allocation Model

Schedule 2.4					
Classification Assumptions					
Allocator	Demand Related	Energy Related	Site Related	Total	
1CP - Input	100 %	0 %	0 %	100 %	
1CP - Input Firm	100 %	0 %	0 %	100 %	
1CP - Transmission	100 %	0 %	0 %	100 %	
1CP - Distribution Primary	100 %	0 %	0 %	100 %	
NCP - Distribution Primary	100 %	0 %	0 %	100 %	
NCP - Distribution Secondary	100 %	0 %	0 %	100 %	
Energy - Input	0 %	100 %	0 %	100 %	
Sites	0 %	0 %	100 %	100 %	
Sites - Distribution Primary	0 %	0 %	100 %	100 %	
Sites - Distribution Secondary	0 %	0 %	100 %	100 %	
Sites - Mass Market	0 %	0 %	100 %	100 %	
Service Lines	0 %	0 %	100 %	100 %	
Meter Assets	0 %	0 %	100 %	100 %	
Meter Reading	0 %	0 %	100 %	100 %	
Billing	0 %	0 %	100 %	100 %	
Remittance & Collection	0 %	0 %	100 %	100 %	
Service Connection Revenue	0 %	0 %	100 %	100 %	
Penalty Revenue	0 %	0 %	100 %	100 %	
Lighting Direct Assign	0 %	0 %	100 %	100 %	
MECL Generation	68 %	32 %	0 %	100 %	
MECL Purchases	13 %	87 %	0 %	100 %	
Primary System	50 %	0 %	50 %	100 %	
Distribution Transformers	60 %	0 %	40 %	100 %	
Secondary System	50 %	0 %	50 %	100 %	
Blended Allocator Assumptions					
	MECL Generation	MECL Purchases	Primary System	Distribution Transformers	Secondary System
1CP - Input	68 %				
1CP - Input Firm		13 %			
1CP - Transmission					
1CP - Distribution Primary					
NCP - Distribution Primary			50 %		
NCP - Distribution Secondary				60 %	50 %
Energy - Input	32 %	87 %			
Sites					
Sites - Distribution Primary			50 %		
Sites - Distribution Secondary				40 %	50 %
Total	100 %	100 %	100 %	100 %	100 %

## MECL 2017 Cost Allocation Model

Schedule 2.5	
Allocator by Function Assumptions	
Function	Allocator
Generation	MECL Generation
Purchased Power	MECL Purchases
Transmission	1CP - Transmission
Substations	1CP - Distribution Primary
Primary Lines	Primary System
Transformers	Distribution Transformers
Secondary Lines	Secondary System
Service Lines	Service Lines
Meter Assets	Meter Assets
Meter Reading	Meter Reading
Billing	Billing
Remittance & Collection	Remittance & Collection
Uncollectibles & Damage Claims	Sites - Mass Market
Service Connections	Service Connection Revenue
Late Payments	Penalty Revenue
Lighting	Lighting Direct Assign

MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	4,493	109,601	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	118,465
ECAM Adjustment	0	(2,359)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,359)
Net Energy Costs	4,493	107,242	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	116,106
Distribution	80	0	80	322	1,691	1,093	581	432	0	158	0	0	0	0	0	39	4,476
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	243	914	595	305	0	0	0	0	0	0	0	0	0	2,056
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	1,303	85	1,410	292	1,342	830	508	493	62	615	907	592	455	119	0	47	9,060
Total Operating Expenses	5,875	107,327	6,861	1,051	4,032	2,596	1,465	939	65	773	907	592	455	119	0	86	133,143
Amortization																	
Amortization Other	88	427	146	18	74	41	27	23	0	4	0	0	0	0	0	2	851
Amortization Plant And Equipme	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Amortization	6,695	448	2,491	575	4,309	2,933	1,481	2,222	696	32	15	22	5	5	0	294	22,224
Total Operating Income	12,570	107,775	9,352	1,626	8,342	5,529	2,946	3,161	761	805	922	615	460	124	0	381	155,367
Financing Expenses																	
Long-Term Debt	2,060	201	1,900	414	2,655	2,049	896	1,251	452	7	14	19	5	4	0	139	12,065
Short-Term Debt	107	10	99	22	138	107	47	65	23	0	1	1	0	0	0	7	627
Interest Charged To Constructi	(77)	(7)	(71)	(15)	(99)	(76)	(33)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(450)
Amortization of Financing Costs	1	0	1	0	2	1	1	1	0	0	0	0	0	0	0	0	9
Total Financing Expenses	2,092	204	1,929	421	2,697	2,080	909	1,270	459	7	14	19	5	4	0	141	12,252
Earnings before Income Taxes	3,222	314	2,971	648	4,153	3,204	1,401	1,957	707	11	22	30	7	7	0	217	18,869
Income Taxes	1,014	99	935	204	1,307	1,009	441	616	222	4	7	9	2	2	0	68	5,941
Net Earnings	2,207	215	2,036	444	2,845	2,195	960	1,341	484	8	15	21	5	4	0	149	12,928
Gross Revenue Requirement	17,884	108,293	14,252	2,694	15,191	10,813	5,256	6,388	1,926	824	958	664	472	134	0	739	186,488
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	(51)	(5)	(47)	(10)	(494)	(51)	(165)	(31)	(11)	(0)	(0)	(0)	(0)	(464)	(639)	(3)	(1,973)
Net Revenue Requirement	17,833	108,288	12,290	2,684	14,697	10,763	5,091	6,357	1,915	824	957	664	472	(329)	(639)	735	182,601

MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement, Demand Related (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	3,049	14,501	3,925	194	43	47	36	0	0	0	0	0	0	0	0	0	21,795
ECAM Adjustment	0	(312)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(312)
Net Energy Costs	3,049	14,189	3,925	194	43	47	36	0	0	0	0	0	0	0	0	0	21,483
Distribution	54	0	80	322	845	656	291	0	0	0	0	0	0	0	0	0	2,248
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	243	457	357	152	0	0	0	0	0	0	0	0	0	1,209
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	884	11	1,410	292	671	498	254	0	0	0	0	0	0	0	0	0	4,020
Total Operating Expenses	3,987	14,200	6,861	1,051	2,016	1,558	732	0	0	0	0	0	0	0	0	0	30,405
Amortization																	
Amortization Other	60	57	146	18	37	25	14	0	0	0	0	0	0	0	0	0	356
Amortization Plant And Equipme	4,484	3	2,344	557	2,118	1,735	727	0	0	0	0	0	0	0	0	0	11,967
Total Amortization	4,543	59	2,491	575	2,155	1,760	740	0	0	0	0	0	0	0	0	0	12,323
Total Operating Income	8,531	14,260	9,352	1,626	4,171	3,317	1,473	0	0	0	0	0	0	0	0	0	42,728
Financing Expenses																	
Long-Term Debt	1,398	27	1,900	414	1,328	1,229	448	0	0	0	0	0	0	0	0	0	6,743
Short-Term Debt	73	1	99	22	69	64	23	0	0	0	0	0	0	0	0	0	351
Interest Charged To Constructio	(52)	(1)	(71)	(15)	(49)	(46)	(17)	0	0	0	0	0	0	0	0	0	(251)
Amortization of Financing Costs	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	5
Total Financing Expenses	1,420	27	1,929	421	1,348	1,248	455	0	0	0	0	0	0	0	0	0	6,847
Earnings before Income Taxes	2,186	42	2,971	648	2,076	1,922	700	0	0	0	0	0	0	0	0	0	10,546
Income Taxes	688	13	935	204	654	605	220	0	0	0	0	0	0	0	0	0	3,320
Net Earnings	1,498	28	2,036	444	1,423	1,317	480	0	0	0	0	0	0	0	0	0	7,225
Gross Revenue Requirement	12,137	14,328	14,252	2,694	7,596	6,488	2,628	0	0	0	0	0	0	0	0	0	60,122
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	(35)	(1)	(47)	(10)	(247)	(30)	(82)	0	0	0	0	0	0	0	0	0	(452)
Net Revenue Requirement	12,102	14,327	12,290	2,684	7,348	6,458	2,545	0	0	0	0	0	0	0	0	0	57,755

MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement, Energy Related (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	1,444	95,099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96,543
ECAM Adjustment	0	(2,047)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,047)
Net Energy Costs	1,444	93,053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94,497
Distribution	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	419	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	493
Total Operating Expenses	1,888	93,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95,015
Amortization																	
Amortization Other	28	371	0	0	0	0	0	0	0	0	0	0	0	0	0	0	399
Amortization Plant And Equipme	2,123	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,141
Total Amortization	2,151	388	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,540
Total Operating Income	4,040	93,515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97,555
Financing Expenses																	
Long-Term Debt	662	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	836
Short-Term Debt	34	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Interest Charged To Constructio	(25)	(6)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(31)
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Financing Expenses	672	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	849
Earnings before Income Taxes	1,035	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,308
Income Taxes	326	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	412
Net Earnings	709	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	896
Gross Revenue Requirement	5,747	93,964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99,712
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	(16)	(4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21)
Net Revenue Requirement	5,731	93,960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99,691



MECL 2017 Cost Allocation Model

Schedule 3.0																	
Functionalized Revenue Requirement, Summary																	
Revenue Requirement, Site Related (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	0	0	0	0	43	31	36	13	3	0	0	0	0	0	0	1	127
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	0	0	0	0	43	31	36	13	3	0	0	0	0	0	0	1	127
Distribution	0	0	0	0	845	437	291	432	0	158	0	0	0	0	0	39	2,202
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	457	238	152	0	0	0	0	0	0	0	0	0	847
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	671	332	254	493	62	615	907	592	455	119	0	47	4,547
Total Operating Expenses	0	0	0	0	2,016	1,038	732	939	65	773	907	592	455	119	0	86	7,723
Amortization																	
Amortization Other	0	0	0	0	37	16	14	23	0	4	0	0	0	0	0	2	96
Amortization Plant And Equipme	0	0	0	0	2,118	1,157	727	2,200	696	27	15	22	5	5	0	292	7,264
Total Amortization	0	0	0	0	2,155	1,173	740	2,222	696	32	15	22	5	5	0	294	7,360
Total Operating Income	0	0	0	0	4,171	2,211	1,473	3,161	761	805	922	615	460	124	0	381	15,084
Financing Expenses																	
Long-Term Debt	0	0	0	0	1,328	820	448	1,251	452	7	14	19	5	4	0	139	4,486
Short-Term Debt	0	0	0	0	69	43	23	65	23	0	1	1	0	0	0	7	233
Interest Charged To Constructi	0	0	0	0	(49)	(31)	(17)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(167)
Amortization of Financing Costs	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
Total Financing Expenses	0	0	0	0	1,348	832	455	1,270	459	7	14	19	5	4	0	141	4,555
Earnings before Income Taxes	0	0	0	0	2,076	1,282	700	1,957	707	11	22	30	7	7	0	217	7,015
Income Taxes	0	0	0	0	654	404	220	616	222	4	7	9	2	2	0	68	2,209
Net Earnings	0	0	0	0	1,423	878	480	1,341	484	8	15	21	5	4	0	149	4,807
Gross Revenue Requirement	0	0	0	0	7,596	4,325	2,628	6,388	1,926	824	958	664	472	134	0	739	26,654
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	(247)	(20)	(82)	(31)	(11)	(0)	(0)	(0)	(0)	(464)	(639)	(3)	(1,500)
Net Revenue Requirement	0	0	0	0	7,348	4,305	2,545	6,357	1,915	824	957	664	472	(329)	(639)	735	25,155

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	4,023	109,473	3,340	0	0	0	0	0	0	0	0	0	0	0	0	0	116,837
ECAM Adjustment	0	(2,359)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,359)
Net Energy Costs	4,023	107,115	3,340	0	0	0	0	0	0	0	0	0	0	0	0	0	114,478
Distribution	0	0	0	113	0	452	0	0	0	158	0	0	0	0	0	0	723
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	117
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	0	0	0	0	0	0	0	0	0	393	0	0	250	0	0	0	643
Total Operating Expenses	4,023	107,115	4,786	230	0	452	0	0	0	551	0	0	250	0	0	0	117,407
Amortization																	
Amortization Other	0	421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	421
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	421
Total Operating Income	4,023	107,536	4,786	230	0	452	0	0	0	551	0	0	250	0	0	0	117,828
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	4,023	107,536	4,786	230	0	452	0	0	0	551	0	0	250	0	0	0	117,828
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	(464)	(639)	0	(1,103)
Net Revenue Requirement	4,023	107,536	2,872	230	0	452	0	0	0	551	0	0	250	(464)	(639)	0	114,811

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
For Allocation (First)																	
	ECC	SCADA	Environm ental	Primary & Secondar y	Call Center	Labour	Customer Service	Finance Labour	Finance Admin	Head Office	T&D Plant	Right of Way Amortizat ion	Distributi on Lines	Distributi on Network	Total Plant		Total
Operating Expenses																	
Energy Costs	763	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0	847
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	763	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0	847
Distribution	0	318	0	0	0	0	0	0	0	0	0	0	1,431	2,003	0	0	3,752
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	1,939	0	0	1,939
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	3	0	894	4,282	431	367	868	130	299	0	0	0	39	0	7,313
Total Operating Expenses	763	318	3	0	894	4,282	431	367	868	130	383	0	1,431	3,942	39	0	13,851
Amortization																	
Amortization Other	0	0	0	0	0	362	0	0	0	0	0	68	0	0	0	0	430
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	362	0	0	0	0	0	68	0	0	0	0	430
Total Operating Income	763	318	3	0	894	4,644	431	367	868	130	383	68	1,431	3,942	39	0	14,281
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	763	318	3	0	894	4,644	431	367	868	130	383	68	1,431	3,942	39	0	14,281
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	(571)	0	0	0	0	0	0	0	0	0	0	0	0	(571)
Net Revenue Requirement	763	318	3	(571)	894	4,644	431	367	868	130	383	68	1,431	3,942	39	0	13,710

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
For Allocation (Second)																	
	Amortization	G&T Rate Base	Rate Base Excluding WC	Rate Base													Total
<b>Operating Expenses</b>																	
Energy Costs	0	781	0	0	0	0	0	0	0	0	0	0	0	0	0	0	781
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	0	781	0	0	0	0	0	0	0	0	0	0	0	0	0	0	781
Distribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	1,104	0	0	0	0	0	0	0	0	0	0	0	0	0	1,104
<b>Total Operating Expenses</b>	<b>0</b>	<b>781</b>	<b>1,104</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,885</b>
<b>Amortization</b>																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipment	21,373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,373
<b>Total Amortization</b>	<b>21,373</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,373</b>
<b>Total Operating Income</b>	<b>21,373</b>	<b>781</b>	<b>1,104</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,258</b>
<b>Financing Expenses</b>																	
Long-Term Debt	0	0	0	12,065	0	0	0	0	0	0	0	0	0	0	0	0	12,065
Short-Term Debt	0	0	0	627	0	0	0	0	0	0	0	0	0	0	0	0	627
Interest Charged To Construction	0	0	0	(450)	0	0	0	0	0	0	0	0	0	0	0	0	(450)
Amortization of Financing Costs	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
<b>Total Financing Expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,252</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,252</b>
Earnings before Income Taxes	0	0	0	18,869	0	0	0	0	0	0	0	0	0	0	0	0	18,869
Income Taxes	0	0	0	5,941	0	0	0	0	0	0	0	0	0	0	0	0	5,941
<b>Net Earnings</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,928</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,928</b>
<b>Gross Revenue Requirement</b>	<b>21,373</b>	<b>781</b>	<b>1,104</b>	<b>31,121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54,378</b>
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	(298)	0	0	0	0	0	0	0	0	0	0	0	0	(298)
<b>Net Revenue Requirement</b>	<b>21,373</b>	<b>781</b>	<b>1,104</b>	<b>30,822</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54,080</b>

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Environmental	50.0 %	0.0 %	0.0 %	1.9 %	0.0 %	48.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Customer Service	0.0 %	0.0 %	2.8 %	0.0 %	1.8 %	1.8 %	1.8 %	0.0 %	0.0 %	27.8 %	11.0 %	22.0 %	25.5 %	5.5 %	0.0 %	0.0 %	100.0 %
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Finance Admin	3.5 %	0.2 %	6.6 %	1.2 %	6.6 %	4.0 %	2.3 %	3.2 %	0.5 %	0.2 %	64.3 %	7.1 %	0.0 %	0.0 %	0.0 %	0.3 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Right of Way Amortization	0.0 %	0.0 %	94.1 %	0.0 %	3.0 %	2.0 %	1.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Total Plant	19.1 %	0.1 %	18.3 %	3.5 %	21.5 %	14.3 %	7.3 %	12.0 %	2.4 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Amortization	30.9 %	0.1 %	11.0 %	2.6 %	19.8 %	13.5 %	6.8 %	10.3 %	3.3 %	0.1 %	0.1 %	0.1 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
G&T Rate Base	52.0 %	0.0 %	48.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Rate Base Excluding WC	17.3 %	0.5 %	15.9 %	3.5 %	22.3 %	17.2 %	7.5 %	10.5 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
Rate Base	17.1 %	1.7 %	15.7 %	3.4 %	22.0 %	17.0 %	7.4 %	10.4 %	3.7 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	64	127	210	194	86	78	71	13	3	0	0	0	0	0	0	1	847
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	64	127	210	194	86	78	71	13	3	0	0	0	0	0	0	1	847
Distribution	80	0	80	209	1,691	641	581	432	0	0	0	0	0	0	0	39	3,752
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	126	914	595	305	0	0	0	0	0	0	0	0	0	1,939
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	1,112	80	1,234	253	1,096	640	425	377	20	222	906	591	205	118	0	34	7,313
Total Operating Expenses	1,255	207	1,524	782	3,786	1,954	1,382	823	23	222	906	591	205	118	0	73	13,851
Amortization																	
Amortization Other	88	6	146	18	74	41	27	23	0	4	0	0	0	0	0	2	430
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	88	6	146	18	74	41	27	23	0	4	0	0	0	0	0	2	430
Total Operating Income	1,343	213	1,671	801	3,860	1,995	1,409	845	23	226	906	591	205	118	0	75	14,281
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	1,343	213	1,671	801	3,860	1,995	1,409	845	23	226	906	591	205	118	0	75	14,281
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	(429)	0	(143)	0	0	0	0	0	0	0	0	0	(571)
Net Revenue Requirement	1,343	213	1,671	801	3,431	1,995	1,266	845	23	226	906	591	205	118	0	75	13,710

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Second Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	406	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	781
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	406	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	781
Distribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	191	6	176	38	246	190	83	116	42	1	1	2	0	0	0	13	1,104
Total Operating Expenses	597	6	550	38	246	190	83	116	42	1	1	2	0	0	0	13	1,885
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Amortization	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Operating Income	7,204	26	2,895	595	4,482	3,082	1,537	2,316	738	28	17	24	5	5	0	305	23,258
Financing Expenses																	
Long-Term Debt	2,060	201	1,900	414	2,655	2,049	896	1,251	452	7	14	19	5	4	0	139	12,065
Short-Term Debt	107	10	99	22	138	107	47	65	23	0	1	1	0	0	0	7	627
Interest Charged To Constructio	(77)	(7)	(71)	(15)	(99)	(76)	(33)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(450)
Amortization of Financing Costs	1	0	1	0	2	1	1	1	0	0	0	0	0	0	0	0	9
Total Financing Expenses	2,092	204	1,929	421	2,697	2,080	909	1,270	459	7	14	19	5	4	0	141	12,252
Earnings before Income Taxes	3,222	314	2,971	648	4,153	3,204	1,401	1,957	707	11	22	30	7	7	0	217	18,869
Income Taxes	1,014	99	935	204	1,307	1,009	441	616	222	4	7	9	2	2	0	68	5,941
Net Earnings	2,207	215	2,036	444	2,845	2,195	960	1,341	484	8	15	21	5	4	0	149	12,928
Gross Revenue Requirement	12,518	544	7,795	1,663	11,331	8,366	3,847	5,543	1,903	47	52	74	17	16	0	663	54,378
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	(51)	(5)	(47)	(10)	(66)	(51)	(22)	(31)	(11)	(0)	(0)	(0)	(0)	(0)	0	(3)	(298)
Net Revenue Requirement	12,467	539	7,748	1,653	11,265	8,315	3,825	5,512	1,892	47	52	73	17	16	0	660	54,080

MECL 2017 Cost Allocation Model

Schedule 3.1																	
Functionalized Revenue Requirement																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	4,493	109,601	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	118,465
ECAM Adjustment	0	(2,359)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,359)
Net Energy Costs	4,493	107,242	3,925	194	86	78	71	13	3	0	0	0	0	0	0	1	116,106
Distribution	80	0	80	322	1,691	1,093	581	432	0	158	0	0	0	0	0	39	4,476
Transmission	0	0	1,220	0	0	0	0	0	0	0	0	0	0	0	0	0	1,220
Transmission and Distribution -	0	0	0	243	914	595	305	0	0	0	0	0	0	0	0	0	2,056
Transmission - OATT	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	225
General	1,303	85	1,410	292	1,342	830	508	493	62	615	907	592	455	119	0	47	9,060
Total Operating Expenses	5,875	107,327	6,861	1,051	4,032	2,596	1,465	939	65	773	907	592	455	119	0	86	133,143
Amortization																	
Amortization Other	88	427	146	18	74	41	27	23	0	4	0	0	0	0	0	2	851
Amortization Plant And Equipme	6,607	20	2,344	557	4,236	2,892	1,454	2,200	696	27	15	22	5	5	0	292	21,373
Total Amortization	6,695	448	2,491	575	4,309	2,933	1,481	2,222	696	32	15	22	5	5	0	294	22,224
Total Operating Income	12,570	107,775	9,352	1,626	8,342	5,529	2,946	3,161	761	805	922	615	460	124	0	381	155,367
Financing Expenses																	
Long-Term Debt	2,060	201	1,900	414	2,655	2,049	896	1,251	452	7	14	19	5	4	0	139	12,065
Short-Term Debt	107	10	99	22	138	107	47	65	23	0	1	1	0	0	0	7	627
Interest Charged To Constructio	(77)	(7)	(71)	(15)	(99)	(76)	(33)	(47)	(17)	(0)	(1)	(1)	(0)	(0)	0	(5)	(450)
Amortization of Financing Costs	1	0	1	0	2	1	1	1	0	0	0	0	0	0	0	0	9
Total Financing Expenses	2,092	204	1,929	421	2,697	2,080	909	1,270	459	7	14	19	5	4	0	141	12,252
Earnings before Income Taxes	3,222	314	2,971	648	4,153	3,204	1,401	1,957	707	11	22	30	7	7	0	217	18,869
Income Taxes	1,014	99	935	204	1,307	1,009	441	616	222	4	7	9	2	2	0	68	5,941
Net Earnings	2,207	215	2,036	444	2,845	2,195	960	1,341	484	8	15	21	5	4	0	149	12,928
Gross Revenue Requirement	17,884	108,293	14,252	2,694	15,191	10,813	5,256	6,388	1,926	824	958	664	472	134	0	739	186,488
OATT Revenue	0	0	(1,914)	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,914)
Other Revenue	(51)	(5)	(47)	(10)	(494)	(51)	(165)	(31)	(11)	(0)	(0)	(0)	(0)	(464)	(639)	(3)	(1,973)
Net Revenue Requirement	17,833	108,288	12,290	2,684	14,697	10,763	5,091	6,357	1,915	824	957	664	472	(329)	(639)	735	182,601



MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	1,582	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	1,603
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	1,582	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	1,603
Distribution	0	0	0	45	0	293	0	0	0	84	0	0	0	0	0	0	422
Transmission	0	0	1,134	0	0	0	0	0	0	0	0	0	0	0	0	0	1,134
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	188	0	0	0	0	0	0	0	0	0	0	0	0	0	188
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	3,347
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	3,347
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	3,347
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	1,582	0	1,343	45	0	293	0	0	0	84	0	0	0	0	0	0	3,347

MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
For Allocation																	
	ECC	SCADA	T&D Plant	Distributi on Lines	Distributi on												Total
Operating Expenses																	
Energy Costs	728	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	812
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	728	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	812
Distribution	0	162	0	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	2,780
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	728	162	84	1,393	1,225	0	0	0	0	0	0	0	0	0	0	0	3,592

MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	61	121	201	186	83	75	68	13	3	0	0	0	0	0	0	1	812
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	61	121	201	186	83	75	68	13	3	0	0	0	0	0	0	1	812
Distribution	41	0	41	120	1,292	390	440	421	0	0	0	0	0	0	0	38	2,780
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	101	121	242	306	1,374	465	508	434	3	0	0	0	0	0	0	39	3,592
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	101	121	242	306	1,374	465	508	434	3	0	0	0	0	0	0	39	3,592
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	101	121	242	306	1,374	465	508	434	3	0	0	0	0	0	0	39	3,592
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	101	121	242	306	1,374	465	508	434	3	0	0	0	0	0	0	39	3,592

MECL 2017 Cost Allocation Model

Schedule 3.2																	
Functionalized Labour																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	1,642	121	223	186	83	75	68	13	3	0	0	0	0	0	0	1	2,415
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	1,642	121	223	186	83	75	68	13	3	0	0	0	0	0	0	1	2,415
Distribution	41	0	41	165	1,292	683	440	421	0	84	0	0	0	0	0	38	3,202
Transmission	0	0	1,134	0	0	0	0	0	0	0	0	0	0	0	0	0	1,134
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	188	0	0	0	0	0	0	0	0	0	0	0	0	0	188
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
Financing Expenses																	0
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	36
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Distribution	0	0	0	2	0	57	0	0	0	8	0	0	0	0	0	0	68
Transmission	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	34	0	58	2	0	57	0	0	0	8	0	0	0	0	0	0	160

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
For Allocation																	
	ECC	SCADA	T&D Plant	Distribution Lines	Distribution												Total
Operating Expenses																	
Energy Costs	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Distribution	0	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	189
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	20	13	0	13	163	0	0	0	0	0	0	0	0	0	0	0	209
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	2	3	5	5	2	2	2	0	0	0	0	0	0	0	0	0	21
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	2	3	5	5	2	2	2	0	0	0	0	0	0	0	0	0	21
Distribution	3	0	3	14	84	51	29	4	0	0	0	0	0	0	0	0	189
Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209
Financing Expenses																	
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	5	3	8	19	86	53	31	4	0	0	0	0	0	0	0	0	209

MECL 2017 Cost Allocation Model

Schedule 3.3																	
Functionalized Vehicle																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Operating Expenses																	
Energy Costs	36	3	7	5	2	2	2	0	0	0	0	0	0	0	0	0	56
ECAM Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Energy Costs	36	3	7	5	2	2	2	0	0	0	0	0	0	0	0	0	56
Distribution	3	0	3	16	84	108	29	4	0	8	0	0	0	0	0	0	257
Transmission	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Transmission and Distribution -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission - OATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Expenses	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	369
Amortization																	
Amortization Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization Plant And Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Amortization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Operating Income	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	369
Financing Expenses																	0
Long-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short-Term Debt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest Charged To Constructi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amortization of Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Financing Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earnings before Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Earnings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Revenue Requirement	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	369
OATT Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Revenue Requirement	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	369



MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	61,459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61,459
Transmission & Distribution																	
Substations	0	0	857	2,479	0	0	0	0	0	0	0	0	0	0	0	0	3,336
Lines and Line Transformers	0	0	45,138	0	0	62,090	0	40,371	0	0	0	0	0	0	0	0	147,600
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	14,665	0	0	0	0	0	0	0	14,665
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,456	4,456
Total Transmission & Distrib	0	0	45,996	2,479	0	62,090	0	40,371	14,665	0	0	0	0	0	0	4,456	170,057
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	61,459	0	45,996	2,479	0	62,090	0	40,371	14,665	0	0	0	0	0	0	4,456	231,517
Contributions - Net	0	0	(13,252)	0	0	0	0	0	0	0	0	0	0	0	0	0	(13,252)
Future Income Taxes																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECAM	0	(780)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(780)
Deferred Charges	(534)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(534)
Employee Future Benefits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM	0	(48)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(48)
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Future Income Taxes	(534)	(829)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,363)
Deferred Financing Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	2,517	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,517
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Asset - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intangible Assets																	
Right of Ways	0	0	3,080	0	0	0	0	0	0	0	0	0	0	0	0	0	3,080
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	3,080	0	0	0	0	0	0	0	0	0	0	0	0	0	3,080
Deferred Charge	1,880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,880
Working Capital																	
Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Working Capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	62,804	1,689	35,825	2,479	0	62,090	0	40,371	14,665	0	0	0	0	0	0	4,456	224,379

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
For Allocation																	
First Allocation												Second Allocation		Third Allocation			
	Substations 1841 Account	ECC	SCADA	Primary & Secondary	Distribution Facilities	Distribution Lines	Distribution Network	Transportation	Labour	Head Office	Contributions Related Distribution Plant	Net Plant	Rate Base Excluding WC	O&M			Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	29,608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,608
Lines and Line Transformers	0	0	0	106,089	0	0	2,847	0	0	0	0	0	0	0	0	0	108,936
SCADA and Communications	0	0	4,459	0	0	0	0	0	0	0	0	0	0	0	0	0	4,459
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distribution	29,608	0	4,459	106,089	0	0	2,847	0	0	0	0	0	0	0	0	0	143,003
Administrative & General	0	420	0	0	0	0	4,860	6,772	3,517	3,155	0	0	0	0	0	0	18,724
Gross Fixed Assets	29,608	420	4,459	106,089	0	0	7,707	6,772	3,517	3,155	0	0	0	0	0	0	161,726
Contributions - Net	0	0	0	0	0	0	0	0	0	0	(11,744)	0	0	0	0	0	(11,744)
<b>Future Income Taxes</b>																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	(56,484)	0	0	0	0	(56,484)
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	0	0	0	0	0	0	0	0	3,271	0	0	0	0	0	0	0	3,271
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	4,842	0	0	0	0	4,842
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	25,967	0	0	0	0	25,967
Other	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	35
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	13,228	0	0	0	0	13,228
Total Future Income Taxes	0	0	0	0	0	0	0	0	3,271	0	0	(12,412)	0	0	0	0	(9,142)
Deferred Financing Costs	0	0	0	0	0	0	0	0	0	0	0	652	0	0	0	0	652
Unrecovered pre-2004 costs recovered	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecovered post-2003 costs recovered	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	(15,619)	0	0	0	0	(15,619)
Regulatory Asset - Other	0	0	0	0	0	0	0	0	(9,352)	0	0	0	0	0	0	0	(9,352)
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	222	0	0	0	0	0	0	0	0	0	0	0	222
Software	0	0	0	0	0	0	0	0	675	0	0	0	0	0	0	0	675
Total Intangible Assets	0	0	0	0	222	0	0	0	675	0	0	0	0	0	0	0	897
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Working Capital</b>																	
Inventory	0	0	0	0	0	4,018	0	0	0	0	0	0	0	0	0	0	4,018
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	4,955	0	0	4,955
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	327	0	0	0	327
Total Working Capital	0	0	0	0	0	4,018	0	0	0	0	0	0	327	4,955	0	0	9,301
<b>Total</b>	<b>29,608</b>	<b>420</b>	<b>4,459</b>	<b>106,089</b>	<b>222</b>	<b>4,018</b>	<b>7,707</b>	<b>6,772</b>	<b>(1,890)</b>	<b>3,155</b>	<b>(11,744)</b>	<b>(27,380)</b>	<b>327</b>	<b>4,955</b>	<b>0</b>	<b>0</b>	<b>126,719</b>

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
Contributions Related Distribution	0.0 %	0.0 %	0.0 %	0.0 %	36.3 %	23.6 %	12.1 %	21.8 %	4.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	100.0 %
Net Plant	17.3 %	0.1 %	16.3 %	3.6 %	22.1 %	17.4 %	7.5 %	10.3 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Rate Base Excluding WC	17.3 %	0.5 %	15.9 %	3.5 %	22.3 %	17.2 %	7.5 %	10.5 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
O&M	4.0 %	81.8 %	4.8 %	0.8 %	2.9 %	1.8 %	1.1 %	0.6 %	0.0 %	0.6 %	0.7 %	0.5 %	0.3 %	0.1 %	0.0 %	0.1 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	21,197	8,410	0	0	0	0	0	0	0	0	0	0	0	0	29,608
Lines and Line Transformers	0	0	0	184	80,908	874	26,969	0	0	0	0	0	0	0	0	0	108,936
SCADA and Communications	1,115	0	1,115	1,115	372	372	372	0	0	0	0	0	0	0	0	0	4,459
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	1,115	0	22,312	9,710	81,280	1,245	27,341	0	0	0	0	0	0	0	0	0	143,003
Administrative & General	1,834	209	2,566	1,063	5,026	4,201	1,792	469	25	270	397	577	126	126	0	42	18,724
Gross Fixed Assets	2,949	209	24,878	10,773	86,305	5,447	29,133	469	25	270	397	577	126	126	0	42	161,726
Contributions - Net	0	0	0	0	(4,258)	(2,773)	(1,419)	(2,556)	(510)	0	0	0	0	0	0	(228)	(11,744)
Future Income Taxes																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	793	57	747	165	648	357	239	204	1	40	0	0	0	0	0	18	3,271
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Future Income Taxes	793	57	747	165	648	357	239	204	1	40	0	0	0	0	0	18	3,271
Deferred Financing Costs																	
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Asset - Other	(2,268)	(164)	(2,136)	(472)	(1,852)	(1,022)	(684)	(585)	(4)	(113)	0	0	0	0	0	(52)	(9,352)
Intangible Assets																	
Right of Ways	0	0	0	0	112	73	37	0	0	0	0	0	0	0	0	0	222
Software	164	12	154	34	134	74	49	42	0	8	0	0	0	0	0	4	675
Total Intangible Assets	164	12	154	34	246	147	87	42	0	8	0	0	0	0	0	4	897
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Working Capital																	
Inventory	0	0	0	0	2,022	0	674	1,214	0	0	0	0	0	0	0	108	4,018
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Working Capital	0	0	0	0	2,022	0	674	1,214	0	0	0	0	0	0	0	108	4,018
Total	1,638	115	23,643	10,500	83,111	2,156	28,030	(1,211)	(487)	204	397	577	126	126	0	(108)	148,816

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Second Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contributions - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Taxes																	
Fixed Assets Recovery	(9,799)	(34)	(9,235)	(2,016)	(12,488)	(9,850)	(4,219)	(5,816)	(2,152)	(42)	(60)	(88)	(19)	(19)	0	(648)	(56,484)
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	840	3	792	173	1,070	844	362	499	184	4	5	8	2	2	0	56	4,842
Future Income Tax Asset	4,505	15	4,245	927	5,741	4,528	1,939	2,674	989	19	28	40	9	9	0	298	25,967
Other	6	0	6	1	8	6	3	4	1	0	0	0	0	0	0	0	35
Tax Adjustments for CAR	2,295	8	2,163	472	2,925	2,307	988	1,362	504	10	14	21	4	4	0	152	13,228
Total Future Income Taxes	(2,153)	(7)	(2,029)	(443)	(2,744)	(2,165)	(927)	(1,278)	(473)	(9)	(13)	(19)	(4)	(4)	0	(142)	(12,412)
Deferred Financing Costs	113	0	107	23	144	114	49	67	25	0	1	1	0	0	0	7	652
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	(2,710)	(9)	(2,554)	(558)	(3,453)	(2,724)	(1,167)	(1,608)	(595)	(12)	(17)	(24)	(5)	(5)	0	(179)	(15,619)
Regulatory Asset - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intangible Assets																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Working Capital																	
Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross operating expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Income taxes paid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Working Capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(4,750)	(16)	(4,476)	(977)	(6,053)	(4,775)	(2,045)	(2,819)	(1,043)	(20)	(29)	(42)	(9)	(9)	0	(314)	(27,380)

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Third Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contributions - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Taxes																	
Fixed Assets Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Future Benefits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Liability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Income Tax Asset	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tax Adjustments for CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Future Income Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Financing Costs																	
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Liabilities - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regulatory Asset - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intangible Assets																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deferred Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Working Capital																	
Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross operating expenses	199	4,052	238	38	143	91	52	31	1	29	34	22	17	4	0	3	4,955
Income taxes paid	56	2	52	11	73	56	25	34	12	0	0	1	0	0	0	4	327
Total Working Capital	256	4,053	290	50	216	147	77	65	13	29	35	23	17	5	0	7	5,283
Total	256	4,053	290	50	216	147	77	65	13	29	35	23	17	5	0	7	5,283

MECL 2017 Cost Allocation Model

Schedule 3.4																	
Functionalized Rate Base																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	61,459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61,459
Transmission & Distribution																	
Substations	0	0	22,055	10,889	0	0	0	0	0	0	0	0	0	0	0	0	32,944
Lines and Line Transformers	0	0	45,138	184	80,908	62,964	26,969	40,371	0	0	0	0	0	0	0	0	256,535
SCADA and Communications	1,115	0	1,115	1,115	372	372	372	0	0	0	0	0	0	0	0	0	4,459
Meters	0	0	0	0	0	0	0	0	14,665	0	0	0	0	0	0	0	14,665
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,456	4,456
Total Transmission & Distrib	1,115	0	68,308	12,188	81,280	63,335	27,341	40,371	14,665	0	0	0	0	0	0	4,456	313,060
Administrative & General	1,834	209	2,566	1,063	5,026	4,201	1,792	469	25	270	397	577	126	126	0	42	18,724
Gross Fixed Assets	64,408	209	70,874	13,252	86,305	67,537	29,133	40,840	14,691	270	397	577	126	126	0	4,498	393,243
Contributions - Net	0	0	(13,252)	0	(4,258)	(2,773)	(1,419)	(2,556)	(510)	0	0	0	0	0	0	(228)	(24,996)
Future Income Taxes																	0
Fixed Assets Recovery	(9,799)	(34)	(9,235)	(2,016)	(12,488)	(9,850)	(4,219)	(5,816)	(2,152)	(42)	(60)	(88)	(19)	(19)	0	(648)	(56,484)
ECAM	0	(780)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(780)
Deferred Charges	(534)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(534)
Employee Future Benefits	793	57	747	165	648	357	239	204	1	40	0	0	0	0	0	18	3,271
DSM	0	(48)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(48)
Future Income Tax Liability	840	3	792	173	1,070	844	362	499	184	4	5	8	2	2	0	56	4,842
Future Income Tax Asset	4,505	15	4,245	927	5,741	4,528	1,939	2,674	989	19	28	40	9	9	0	298	25,967
Other	6	0	6	1	8	6	3	4	1	0	0	0	0	0	0	0	35
Tax Adjustments for CAR	2,295	8	2,163	472	2,925	2,307	988	1,362	504	10	14	21	4	4	0	152	13,228
Total Future Income Taxes	(1,895)	(779)	(1,282)	(278)	(2,096)	(1,807)	(688)	(1,074)	(472)	30	(13)	(19)	(4)	(4)	0	(124)	(10,505)
Deferred Financing Costs	113	0	107	23	144	114	49	67	25	0	1	1	0	0	0	7	652
Unrecoverd pre-2004 costs recover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unrecoverd post-2003 costs recover	0	2,517	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,517
Regulatory Liabilities - Other	(2,710)	(9)	(2,554)	(558)	(3,453)	(2,724)	(1,167)	(1,608)	(595)	(12)	(17)	(24)	(5)	(5)	0	(179)	(15,619)
Regulatory Asset - Other	(2,268)	(164)	(2,136)	(472)	(1,852)	(1,022)	(684)	(585)	(4)	(113)	0	0	0	0	0	(52)	(9,352)
Intangible Assets																	
Right of Ways	0	0	3,080	0	112	73	37	0	0	0	0	0	0	0	0	0	3,302
Software	164	12	154	34	134	74	49	42	0	8	0	0	0	0	0	4	675
Total Intangible Assets	164	12	3,235	34	246	147	87	42	0	8	0	0	0	0	0	4	3,977
Deferred Charge	1,880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,880
Working Capital																	0
Inventory	0	0	0	0	2,022	0	674	1,214	0	0	0	0	0	0	0	108	4,018
Gross operating expenses	199	4,052	238	38	143	91	52	31	1	29	34	22	17	4	0	3	4,955
Income taxes paid	56	2	52	11	73	56	25	34	12	0	0	1	0	0	0	4	327
Total Working Capital	256	4,053	290	50	2,238	147	751	1,279	13	29	35	23	17	5	0	115	9,301
Total	59,948	5,841	55,281	12,051	77,273	59,619	26,062	36,406	13,149	213	402	557	134	121	0	4,040	351,098

MECL 2017 Cost Allocation Model

Schedule 3.5																	
Functionalized Contributions Related Distribution Plant																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	79,816	0	73,674	0	0	0	0	0	0	0	0	153,490
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Total Transmission & Distrib	0	0	0	0	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	174,760
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	174,760
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,816</b>	<b>0</b>	<b>73,674</b>	<b>14,691</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,580</b>	<b>174,760</b>
<b>For Allocation</b>																	
	Primary &	Distributi on															Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	163,413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163,413
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	163,413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163,413
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	163,413	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163,413
<b>Intangible Assets</b>																	
Right of Ways	0	282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>163,413</b>	<b>282</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163,695</b>
<b>Required Allocation Factors</b>																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %



MECL 2017 Cost Allocation Model

Schedule 3.5																	
Functionalized Contributions Related Distribution Plant																	
Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122,702</b>	<b>93</b>	<b>40,901</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163,695</b>
<b>Total</b>																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	122,560	79,816	40,853	73,674	0	0	0	0	0	0	0	0	316,902
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Total Transmission & Distrib	0	0	0	0	122,560	79,816	40,853	73,674	14,691	0	0	0	0	0	0	6,580	338,173
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	122,560	79,816	40,853	73,674	14,691	0	0	0	0	0	0	6,580	338,173
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122,702</b>	<b>79,908</b>	<b>40,901</b>	<b>73,674</b>	<b>14,691</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,580</b>	<b>338,455</b>

MECL 2017 Cost Allocation Model

Schedule 3.6																	
Functionalized Amortization																	
Direct Assigned (\$,000)																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	6,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,326
Transmission & Distribution																	
Substations	0	0	0	70	0	0	0	0	0	0	0	0	0	0	0	0	70
Lines and Line Transformers	0	0	1,745	0	0	2,626	0	2,285	0	0	0	0	0	0	0	0	6,656
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	726	0	0	0	0	0	0	0	726
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301	301
Total Transmission & Distrib	0	0	1,745	70	0	2,626	0	2,285	726	0	0	0	0	0	0	301	7,753
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	6,326	0	1,745	70	0	2,626	0	2,285	726	0	0	0	0	0	0	301	14,080
Contributions - Net	0	0	(448)	0	0	0	0	0	0	0	0	0	0	0	0	0	(448)
Total	6,326	0	1,298	70	0	2,626	0	2,285	726	0	0	0	0	0	0	301	13,632
For Allocation																	
	Substatio ns 1841 Account	ECC	SCADA	Primary & Secondar y	Distributi on Facilities	Distributi on Lines	Distributi on Network	Transport ation	Labour	Head Office	Contrib utions Related Distributi on Plant						Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	898	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	898
Lines and Line Transformers	0	0	0	5,352	0	0	(20)	0	0	0	0	0	0	0	0	0	5,332
SCADA and Communications	0	0	580	0	0	0	0	0	0	0	0	0	0	0	0	0	580
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	898	0	580	5,352	0	0	(20)	0	0	0	0	0	0	0	0	0	6,810
Administrative & General	0	17	0	0	0	0	214	802	558	124	0	0	0	0	0	0	1,716
Gross Fixed Assets	898	17	580	5,352	0	0	195	802	558	124	0	0	0	0	0	0	8,526
Contributions - Net	0	0	0	0	0	0	0	0	0	0	(478)	0	0	0	0	0	(478)
Total	898	17	580	5,352	0	0	195	802	558	124	(478)	0	0	0	0	0	8,048

MECL 2017 Cost Allocation Model

Schedule 3.6																	
Functionalized Amortization																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
Contributions Related Distribution	0.0 %	0.0 %	0.0 %	0.0 %	36.3 %	23.6 %	12.1 %	21.8 %	4.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	100.0 %
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	643	255	0	0	0	0	0	0	0	0	0	0	0	0	898
Lines and Line Transformers	0	0	0	(1)	4,005	(6)	1,335	0	0	0	0	0	0	0	0	0	5,332
SCADA and Communications	145	0	145	145	48	48	48	0	0	0	0	0	0	0	0	0	580
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	145	0	788	399	4,053	42	1,383	0	0	0	0	0	0	0	0	0	6,810
Administrative & General	231	21	293	96	417	378	149	51	1	28	16	23	5	5	0	5	1,716
Gross Fixed Assets	376	21	1,081	494	4,470	420	1,532	51	1	28	16	23	5	5	0	5	8,526
Contributions - Net	0	0	0	0	(173)	(113)	(58)	(104)	(21)	0	0	0	0	0	0	(9)	(478)
Total	376	21	1,081	494	4,297	307	1,475	(53)	(20)	28	16	23	5	5	0	(5)	8,048

MECL 2017 Cost Allocation Model

Schedule 3.6																	
Functionalized Amortization																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	6,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,326
Transmission & Distribution																	
Substations	0	0	643	325	0	0	0	0	0	0	0	0	0	0	0	0	968
Lines and Line Transformers	0	0	1,745	(1)	4,005	2,620	1,335	2,285	0	0	0	0	0	0	0	0	11,988
SCADA and Communications	145	0	145	145	48	48	48	0	0	0	0	0	0	0	0	0	580
Meters	0	0	0	0	0	0	0	0	726	0	0	0	0	0	0	0	726
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	301	301
Total Transmission & Distrib	145	0	2,533	469	4,053	2,668	1,383	2,285	726	0	0	0	0	0	0	301	14,563
Administrative & General	231	21	293	96	417	378	149	51	1	28	16	23	5	5	0	5	1,716
Gross Fixed Assets	6,702	21	2,826	565	4,470	3,046	1,532	2,335	727	28	16	23	5	5	0	306	22,606
Contributions - Net	0	0	(448)	0	(173)	(113)	(58)	(104)	(21)	0	0	0	0	0	0	(9)	(926)
Total	6,702	21	2,378	565	4,297	2,933	1,475	2,231	706	28	16	23	5	5	0	297	21,680

MECL 2017 Cost Allocation Model

Schedule 4.0																		
Functionalized Gross Plant																		
Direct Assigned (\$,000)																		
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total	
<b>Fixed Assets</b>																		
Production	112,119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112,119	
<b>Transmission &amp; Distribution</b>																		
Substations	0	0	882	3,226	0	0	0	0	0	0	0	0	0	0	0	0	4,107	
Lines and Line Transformers	0	0	66,481	0	0	79,816	0	73,674	0	0	0	0	0	0	0	0	219,970	
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691	
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580	
Total Transmission & Distrib	0	0	67,362	3,226	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	245,348	
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gross Fixed Assets	112,119	0	67,362	3,226	0	79,816	0	73,674	14,691	0	0	0	0	0	0	6,580	357,467	
<b>Intangible Assets</b>																		
Right of Ways	0	0	4,459	0	0	0	0	0	0	0	0	0	0	0	0	0	4,459	
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Intangible Assets	0	0	4,459	0	0	0	0	0	0	0	0	0	0	0	0	0	4,459	
<b>Total</b>	<b>112,119</b>	<b>0</b>	<b>71,821</b>	<b>3,226</b>	<b>0</b>	<b>79,816</b>	<b>0</b>	<b>73,674</b>	<b>14,691</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,580</b>	<b>361,926</b>	
<b>For Allocation</b>																		
	First Allocation				Second Al		Third Allocation											Total
	Substatio ns 1841 Account	ECC	SCADA	Primary & Secondar	Distributi on Facilities	Distributi on Network	Transport ation	Labour	Head Office									
<b>Fixed Assets</b>																		
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																		
Substations	48,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48,014
Lines and Line Transformers	0	0	0	163,413	0	2,687	0	0	0	0	0	0	0	0	0	0	0	166,100
SCADA and Communications	0	0	11,468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,468
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	48,014	0	11,468	163,413	0	2,687	0	0	0	0	0	0	0	0	0	0	0	225,582
Administrative & General	0	716	0	0	0	7,434	11,453	4,454	5,307	0	0	0	0	0	0	0	0	29,363
Gross Fixed Assets	48,014	716	11,468	163,413	0	10,121	11,453	4,454	5,307	0	0	0	0	0	0	0	0	254,945
<b>Intangible Assets</b>																		
Right of Ways	0	0	0	0	282	0	0	0	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	2,623	0	0	0	0	0	0	0	0	0	2,623
Total Intangible Assets	0	0	0	0	282	0	0	2,623	0	0	0	0	0	0	0	0	0	2,905
<b>Total</b>	<b>48,014</b>	<b>716</b>	<b>11,468</b>	<b>163,413</b>	<b>282</b>	<b>10,121</b>	<b>11,453</b>	<b>7,077</b>	<b>5,307</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>257,850</b>

MECL 2017 Cost Allocation Model

Schedule 4.0																	
Functionalized Gross Plant																	
Required Allocation Factors																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %
First Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Fixed Assets																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transmission & Distribution																	
Substations	0	0	34,375	13,639	0	0	0	0	0	0	0	0	0	0	0	0	48,014
Lines and Line Transformers	0	0	0	0	122,560	0	40,853	0	0	0	0	0	0	0	0	0	163,413
SCADA and Communications	2,867	0	2,867	2,867	956	956	956	0	0	0	0	0	0	0	0	0	11,468
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	2,867	0	37,242	16,506	123,515	956	41,809	0	0	0	0	0	0	0	0	0	222,895
Administrative & General	60	119	179	179	60	60	60	0	0	0	0	0	0	0	0	0	716
Gross Fixed Assets	2,927	119	37,421	16,685	123,575	1,015	41,868	0	0	0	0	0	0	0	0	0	223,611
Intangible Assets																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,927	119	37,421	16,685	123,575	1,015	41,868	0	0	0	0	0	0	0	0	0	223,611

MECL 2017 Cost Allocation Model

Schedule 4.0																	
Functionalized Gross Plant																	
Second Allocation																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrative & General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gross Fixed Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Intangible Assets	0	0	0	0	142	93	47	0	0	0	0	0	0	0	0	0	282
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>142</b>	<b>93</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>282</b>
<b>Third Allocation</b>																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lines and Line Transformers	0	0	0	174	1,266	825	422	0	0	0	0	0	0	0	0	0	2,687
SCADA and Communications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meters	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Transmission & Distrib	0	0	0	174	1,266	825	422	0	0	0	0	0	0	0	0	0	2,687
Administrative & General	2,678	209	3,816	1,494	7,770	6,639	2,738	699	42	437	667	970	212	212	0	62	28,647
Gross Fixed Assets	2,678	209	3,816	1,668	9,037	7,464	3,160	699	42	437	667	970	212	212	0	62	31,334
<b>Intangible Assets</b>																	
Right of Ways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Software	636	46	599	132	520	287	192	164	1	32	0	0	0	0	0	15	2,623
Total Intangible Assets	636	46	599	132	520	287	192	164	1	32	0	0	0	0	0	15	2,623
<b>Total</b>	<b>3,314</b>	<b>255</b>	<b>4,415</b>	<b>1,800</b>	<b>9,556</b>	<b>7,751</b>	<b>3,352</b>	<b>863</b>	<b>43</b>	<b>469</b>	<b>667</b>	<b>970</b>	<b>212</b>	<b>212</b>	<b>0</b>	<b>77</b>	<b>33,957</b>

MECL 2017 Cost Allocation Model

Schedule 4.0																	
Functionalized Gross Plant																	
Total																	
	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Fixed Assets</b>																	
Production	112,119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112,119
<b>Transmission &amp; Distribution</b>																	
Substations	0	0	35,257	16,865	0	0	0	0	0	0	0	0	0	0	0	0	52,121
Lines and Line Transformers	0	0	66,481	174	123,826	80,640	41,275	73,674	0	0	0	0	0	0	0	0	386,070
SCADA and Communications	2,867	0	2,867	2,867	956	956	956	0	0	0	0	0	0	0	0	0	11,468
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Total Transmission & Distrib	2,867	0	104,605	19,906	124,781	81,596	42,231	73,674	14,691	0	0	0	0	0	0	6,580	470,930
Administrative & General	2,738	328	3,995	1,673	7,830	6,699	2,798	699	42	437	667	970	212	212	0	62	29,363
Gross Fixed Assets	117,724	328	108,600	21,578	132,611	88,295	45,029	74,373	14,733	437	667	970	212	212	0	6,642	612,412
<b>Intangible Assets</b>																	
Right of Ways	0	0	4,459	0	142	93	47	0	0	0	0	0	0	0	0	0	4,741
Software	636	46	599	132	520	287	192	164	1	32	0	0	0	0	0	15	2,623
Total Intangible Assets	636	46	5,058	132	662	379	239	164	1	32	0	0	0	0	0	15	7,364
<b>Total</b>	<b>118,360</b>	<b>374</b>	<b>113,658</b>	<b>21,711</b>	<b>133,273</b>	<b>88,674</b>	<b>45,268</b>	<b>74,537</b>	<b>14,734</b>	<b>469</b>	<b>667</b>	<b>970</b>	<b>212</b>	<b>212</b>	<b>0</b>	<b>6,657</b>	<b>619,776</b>



## MECL 2017 Cost Allocation Model

Schedule 4.1	
Revenue Requirement Summary	
Operating Expenses	(\$,0000)
Energy Costs	118,465
ECAM Adjustment	(2,359)
Net Energy Costs	116,106
Distribution	4,476
Transmission	1,220
Transmission and Distribution -	2,056
Transmission - OATT	225
General	9,060
Total Operating Expenses	133,143
Amortization	
Amortization Other	851
Amortization Plant And Equipme	21,373
Total Amortization	22,224
Total Operating Income	155,367
Financing Expenses	
Long-Term Debt	12,065
Short-Term Debt	627
Interest Charged To Constructio	(450)
Amortization of Financing Costs	9
Total Financing Expenses	12,252
Earnings before Income Taxes	18,869
Income Taxes	5,941
Net Earnings	12,928
Gross Revenue Requirement	186,488
OATT Revenue	(1,914)
Other Revenue	(1,973)
Net Revenue Requirement	182,601

## MECL 2017 Cost Allocation Model

Schedule 4.2				
Rate Base (\$,000)				
	Open	Close	Mid Year	Basis for Functionalization
<b>Fixed Assets</b>				
Production	63,677	59,242	61,459	Detailed Analysis
<b>Transmission &amp; Distribution</b>				
Substations	31,955	33,933	32,944	Detailed Analysis
Lines and Line Transformers	248,599	264,472	256,535	Detailed Analysis
SCADA and Communications	4,094	4,825	4,459	Detailed Analysis
Meters	14,773	14,558	14,665	Detailed Analysis
Street & Private Area Lights	4,271	4,640	4,456	Detailed Analysis
Total Transmission & Distrib	303,691	322,428	313,060	
Administrative & General	18,342	19,106	18,724	Detailed Analysis
Net Fixed Assets	385,710	400,776	393,243	
Contributions - Net	(25,239)	(24,752)	(24,996)	Detailed Analysis
<b>Future Income Taxes</b>				
Fixed Assets Recovery	(55,226)	(57,742)	(56,484)	Net Plant
ECAM	(669)	(892)	(780)	Purchased Power
Deferred Charges	(550)	(519)	(534)	Generation
Employee Future Benefits	3,567	2,975	3,271	Labour
DSM	(45)	(52)	(48)	Purchased Power
Future Income Tax Liability	5,216	4,468	4,842	Net Plant
Future Income Tax Asset	18,958	32,975	25,967	Net Plant
Other	10	59	35	Net Plant
Tax Adjustments for CAR	13,162	13,294	13,228	Net Plant
Total Future Income Taxes	(15,576)	(5,434)	(10,505)	Net Plant
Deferred Financing Costs	656	648	652	Net Plant
Unrecoverd pre-2004 costs recove	0	0	0	Purchased Power
Unrecoverd post-2003 costs recove	2,158	2,877	2,517	Purchased Power
Regulatory Liabilities - Other	(16,827)	(14,412)	(15,619)	Net Plant
Regulatory Asset - Other	(10,495)	(8,209)	(9,352)	Labour
<b>Intangible Assets</b>				
Right of Ways	3,332	3,272	3,302	Detailed Analysis
Software	707	643	675	Detailed Analysis
Total Intangible Assets	4,039	3,915	3,977	
Deferred Charge	1,918	1,841	1,880	Generation
<b>Working Capital</b>				
Inventory	4,367	3,669	4,018	Distribution Lines
Gross operating expenses	4,837	5,074	4,955	O&M
Income taxes paid	126	528	327	Rate Base Excluding WC
Total Working Capital	9,330	9,271	9,301	
Rate Base	335,675	366,521	351,098	

MECL 2017 Cost Allocation Model

Schedule 5.0																	
Functional Allocator Summary																	
Percent (%)																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
<b>Exogenous Allocators</b>																	
Substations 1841 Account	0.0 %	0.0 %	71.6 %	28.4 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Primary & Secondary	0.0 %	0.0 %	0.0 %	0.0 %	75.0 %	0.0 %	25.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
ECC	8.3 %	16.7 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
SCADA	25.0 %	0.0 %	25.0 %	25.0 %	8.3 %	8.3 %	8.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
<b>Allocators Based on Fixed Assets</b>																	
Environmental	50.0 %	0.0 %	0.0 %	1.9 %	0.0 %	48.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Transformers	0.0 %	0.0 %	1.1 %	3.8 %	0.0 %	95.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Distribution Facilities	0.0 %	0.0 %	0.0 %	0.0 %	50.4 %	32.8 %	16.8 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Right of Way Amortization	0.0 %	0.0 %	94.1 %	0.0 %	3.0 %	2.0 %	1.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Engineering	0.6 %	0.0 %	23.1 %	4.2 %	26.1 %	17.1 %	8.8 %	15.6 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Procurement	0.0 %	0.0 %	23.0 %	3.7 %	26.6 %	17.3 %	8.9 %	16.0 %	3.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Distribution Lines	0.0 %	0.0 %	0.0 %	0.0 %	50.3 %	0.0 %	16.8 %	30.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	2.7 %	100.0 %
Distribution Network	0.0 %	0.0 %	0.0 %	6.5 %	47.1 %	30.7 %	15.7 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
T&D Plant	0.0 %	0.0 %	23.2 %	4.2 %	26.3 %	17.2 %	8.9 %	15.7 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Total Plant	19.1 %	0.1 %	18.3 %	3.5 %	21.5 %	14.3 %	7.3 %	12.0 %	2.4 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Contributions Related Distributi	0.0 %	0.0 %	0.0 %	0.0 %	36.3 %	23.6 %	12.1 %	21.8 %	4.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.9 %	100.0 %
Amortization	30.9 %	0.1 %	11.0 %	2.6 %	19.8 %	13.5 %	6.8 %	10.3 %	3.3 %	0.1 %	0.1 %	0.1 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Net Plant	17.3 %	0.1 %	16.3 %	3.6 %	22.1 %	17.4 %	7.5 %	10.3 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.1 %	100.0 %
Rate Base Excluding WC	17.3 %	0.5 %	15.9 %	3.5 %	22.3 %	17.2 %	7.5 %	10.5 %	3.8 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
G&T Rate Base	52.0 %	0.0 %	48.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %
Rate Base	17.1 %	1.7 %	15.7 %	3.4 %	22.0 %	17.0 %	7.4 %	10.4 %	3.7 %	0.1 %	0.1 %	0.2 %	0.0 %	0.0 %	0.0 %	1.2 %	100.0 %
<b>Allocators Based on O&amp;M</b>																	
Transportation	10.6 %	0.9 %	17.9 %	5.7 %	23.4 %	29.8 %	8.3 %	1.1 %	0.0 %	2.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.1 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
O&M	4.0 %	81.8 %	4.8 %	0.8 %	2.9 %	1.8 %	1.1 %	0.6 %	0.0 %	0.6 %	0.7 %	0.5 %	0.3 %	0.1 %	0.0 %	0.1 %	100.0 %
<b>Blended Allocators</b>																	
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Finance Admin	3.5 %	0.2 %	6.6 %	1.2 %	6.6 %	4.0 %	2.3 %	3.2 %	0.5 %	0.2 %	64.3 %	7.1 %	0.0 %	0.0 %	0.0 %	0.3 %	100.0 %
Customer Service	0.0 %	0.0 %	2.8 %	0.0 %	1.8 %	1.8 %	1.8 %	0.0 %	0.0 %	27.8 %	11.0 %	22.0 %	25.5 %	5.5 %	0.0 %	0.0 %	100.0 %
Head Office	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %

MECL 2017 Cost Allocation Model

Schedule 5.1																	
Functional Allocator Worksheet																	
Exogenous Allocators																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Substations 1841 Account	0	0	72	28	0	0	0	0	0	0	0	0	0	0	0	0	100
Primary & Secondary	0	0	0	0	75	0	25	0	0	0	0	0	0	0	0	0	100
Call Center	0	0	5	0	3	3	3	0	0	5	20	40	10	10	0	0	100
ECC	8	17	25	25	8	8	8	0	0	0	0	0	0	0	0	0	100
SCADA	25	0	25	25	8	8	8	0	0	0	0	0	0	0	0	0	100
Allocators Based on Fixed Assets (\$,000)																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Environmental																	0
Wires	0	0	0	3,216	0	79,816	0	0	0	0	0	0	0	0	0	0	83,032
Generation	83,032																83,032
Total	83,032	0	0	3,216	0	79,816	0	0	0	0	0	0	0	0	0	0	166,063
T&D Transformers																	
Substations			882	3,226													4,107
Lines and Line Transformers						79,816											79,816
Total	0	0	882	3,226	0	79,816	0	0	0	0	0	0	0	0	0	0	83,923
Distribution Facilities																	
Substations					0	0	0										0
Lines and Line Transformers					122,560	79,816	40,853										243,228
Total	0	0	0	0	122,560	79,816	40,853	0	0	0	0	0	0	0	0	0	243,228
Right of Way Amortization																	
Transmission Component			100.0 %														64
Distribution Component					50.4 %	32.8 %	16.8 %										4
Total	0	0	64	0	2	1	1	0	0	0	0	0	0	0	0	0	68
Engineering																	
Total Transmission & Distributio	2,867	0	104,605	19,732	123,515	80,771	41,809	73,674	14,691	0	0	0	0	0	0	6,580	468,243
Administrative & General	60	119	179	179	60	60	60	0	0	0	0	0	0	0	0	0	716
Right of Ways	0	0	4,459	0	142	93	47	0	0	0	0	0	0	0	0	0	4,741
Total	2,927	119	109,242	19,911	123,717	80,924	41,916	73,674	14,691	0	0	0	0	0	0	6,580	473,700
Procurement																	
Substations	0	0	35,257	16,865	0	0	0	0	0	0	0	0	0	0	0	0	52,121
Lines and Line Transformers	0	0	66,481	0	122,560	79,816	40,853	73,674	0	0	0	0	0	0	0	0	383,383
Meters	0	0	0	0	0	0	0	0	14,691	0	0	0	0	0	0	0	14,691
Street & Private Area Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580	6,580
Right of Ways	0	0	4,459	0	142	93	47	0	0	0	0	0	0	0	0	0	4,741
Total	0	0	106,196	16,865	122,702	79,908	40,901	73,674	14,691	0	0	0	0	0	0	6,580	461,516
Distribution Lines					122,702		40,901	73,674									6,580
Distribution Network				16,865	122,702	79,908	40,901										260,375
T&D Plant			109,242	19,911	123,717	80,924	41,916	73,674	14,691	0	0	0	0	0	0	6,580	470,654
Total Plant	118,360	374	113,658	21,711	133,273	88,674	45,268	74,537	14,734	469	667	970	212	212	0	6,657	619,776
Contributions Related Distribution	0	0	0	0	122,702	79,908	40,901	73,674	14,691	0	0	0	0	0	0	6,580	338,455
Amortization	6,702	21	2,378	565	4,297	2,933	1,475	2,231	706	28	16	23	5	5	0	297	21,680

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Schedule 5.1																	
Functional Allocator Worksheet																	
Net Plant																	
Gross Fixed Assets	64,408	209	70,874	13,252	86,305	67,537	29,133	40,840	14,691	270	397	577	126	126	0	4,498	393,243
Contributions - Net	0	0	(13,252)	0	(4,258)	(2,773)	(1,419)	(2,556)	(510)	0	0	0	0	0	0	(228)	(24,996)
Total Intangible Assets	164	12	3,235	34	246	147	87	42	0	8	0	0	0	0	0	4	3,977
Total	64,572	221	60,857	13,286	82,293	64,911	27,801	38,326	14,181	278	397	577	126	126	0	4,273	372,225
Rate Base Excluding WC	59,692	1,787	54,991	12,002	77,057	59,471	25,985	36,341	13,136	184	367	534	117	117	0	4,033	345,815
G&T Rate Base	59,948		55,281														115,229
Rate Base	59,948	5,841	55,281	12,051	77,273	59,619	26,062	36,406	13,149	213	402	557	134	121	0	4,040	351,098
Allocators Based on O&M (\$,000)																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Transportation	39	3	66	21	86	110	31	4	0	8	0	0	0	0	0	0	369
Labour	1,683	121	1,585	350	1,374	758	508	434	3	84	0	0	0	0	0	39	6,939
O&M	5,279	107,321	6,310	1,013	3,786	2,406	1,382	823	23	773	906	591	455	118	0	73	131,258

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Schedule 5.2																	
Functional Allocator Worksheet, Blended Allocators																	
Finance Labour																	
FTEs by Function																	
Billing	2.0	Billing															
Customer Payments	1.0	Remittance & Collection															
Collection	0.0	Remittance & Collection															
Purchasing	1.0	Procurement															
Payroll	1.0	Labour															
Accounts Receivable (Non-Elect)	1.0	Labour															
Accounts Payable	1.0	Procurement															
Total	7.0																
Weighting																	
Allocator	Weight																
Billing	29 %																
Remittance & Collection	14 %																
Procurement	29 %																
Labour	29 %																
Total	100 %																
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Billing											100.0 %						100.0 %
Remittance & Collection												100.0 %					100.0 %
Procurement	0.0 %	0.0 %	23.0 %	3.7 %	26.6 %	17.3 %	8.9 %	16.0 %	3.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Average	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Finance Admin																	
Weighting																	
Finance Labour	50 %																
Billing	50 %																
Total	100 %																
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Billing											100.0 %						100.0 %
Average	3.5 %	0.2 %	6.6 %	1.2 %	6.6 %	4.0 %	2.3 %	3.2 %	0.5 %	0.2 %	64.3 %	7.1 %	0.0 %	0.0 %	0.0 %	0.3 %	100.0 %
Customer Service																	
Weighting																	
Call Centre	55 %																
Uncollectibles & Damage Claims	20 %																
Meter Reading	25 %																
Total	100 %																

MECL 2017 Cost Allocation Model

Schedule 5.2																	
Functional Allocator Worksheet, Blended Allocators																	
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
Uncollectibles & Damage Claims													100.0 %				100.0 %
Meter Reading										100.0 %							100.0 %
Average	0.0 %	0.0 %	2.8 %	0.0 %	1.8 %	1.8 %	1.8 %	0.0 %	0.0 %	27.8 %	11.0 %	22.0 %	25.5 %	5.5 %	0.0 %	0.0 %	100.0 %
Head Office																	
Allocation of Head Office Floor Space																	
Function	Floor	Occupanc y	Allocator														
Customer Service	1	100 %	Call Center														
Customer Service	2	100 %	Call Center														
Engineering	3	75 %	Engineering														
Information Technology	3	25 %	Labour														
Finance	4	80 %	Finance Labour														
Procurement	4	20 %	Procurement														
Executive	5	100 %	Labour														
Weighting																	
Allocator	Weight																
Call Center	40 %																
Finance Labour	16 %																
Engineering	15 %																
Procurement	4 %																
Labour	25 %																
Total	100 %																
Allocator Components																	
Functional Allocator	Generati on	Purchase d Power	Transmis sion	Substatio ns	Primary Lines	Transfor mers	Secondar y Lines	Service Lines	Meter Assets	Meter Reading	Billing	Remittan ce & Collection	Uncollecti bles & Damage Claims	Service Connecti ons	Late Payment s	Lighting	Total
Call Center	0.0 %	0.0 %	5.0 %	0.0 %	3.3 %	3.3 %	3.3 %	0.0 %	0.0 %	5.0 %	20.0 %	40.0 %	10.0 %	10.0 %	0.0 %	0.0 %	100.0 %
Finance Labour	6.9 %	0.5 %	13.1 %	2.5 %	13.3 %	8.1 %	4.6 %	6.3 %	0.9 %	0.3 %	28.6 %	14.3 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Engineering	0.6 %	0.0 %	23.1 %	4.2 %	26.1 %	17.1 %	8.8 %	15.6 %	3.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Procurement	0.0 %	0.0 %	23.0 %	3.7 %	26.6 %	17.3 %	8.9 %	16.0 %	3.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.4 %	100.0 %
Labour	24.3 %	1.7 %	22.8 %	5.0 %	19.8 %	10.9 %	7.3 %	6.3 %	0.0 %	1.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.6 %	100.0 %
Average	7.3 %	0.5 %	14.2 %	2.4 %	13.4 %	8.6 %	5.6 %	5.5 %	0.7 %	2.4 %	12.6 %	18.3 %	4.0 %	4.0 %	0.0 %	0.5 %	100.0 %

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Schedule 6.0								
Revenue Requirement 2017								
Account	Description	2017 Trial Balance	Power Supply Demand Related	Labour Related	Vehicle Related	O&M Reporting	Functionalization Method	Power Supply Demand Related (%)
7000	NB Power Assured	3,649,523	0	0	0	Energy Costs	Purchased Power	0 %
7002	NB Power Capacity	2,550,000	2,550,000	0	0	Energy Costs	Purchased Power	100 %
7007	Wind Energy	23,232,701	5,343,521	0	0	Energy Costs	Purchased Power	23 %
7008	Other Energy	193,790	0	0	0	Energy Costs	Purchased Power	0 %
7020	Lepreau Fuel	1,566,090	0	0	0	Energy Costs	Purchased Power	0 %
7021	Lepreau Cost of Carrying Fuel	47,967	0	0	0	Energy Costs	Purchased Power	0 %
7023	Lepreau Cost of Capital	9,128,368	2,282,092	0	0	Energy Costs	Purchased Power	25 %
7025	Lepreau O&M & Indirect	10,803,898	2,700,975	0	0	Energy Costs	Purchased Power	25 %
7027	Lepreau Decommissioning Charge	1,995,576	498,894	0	0	Energy Costs	Purchased Power	25 %
7029	Lepreau Guarantee Fee	431,842	107,961	0	0	Energy Costs	Purchased Power	25 %
7031	Lepreau Inventory Common Stock	6,492	1,623	0	0	Energy Costs	Purchased Power	25 %
7033	Lepreau Heavy Water	0	0	0	0	Energy Costs	Purchased Power	0 %
7040	O&M Murray Corner	187,428	0	0	0	Energy Costs	Transmission	N/A
7041	O&M Memramcook	165,233	0	0	0	Energy Costs	Transmission	N/A
7042	Breaker Rental NB Power	183,878	0	0	0	Energy Costs	Transmission	N/A
7046	NB Power Secure	18,162,834	0	0	0	Energy Costs	Purchased Power	0 %
7047	NB Power Interruptible	0	0	0	0	Energy Costs	Purchased Power	0 %
7048	NB Power Curtailed	0	0	0	0	Energy Costs	Purchased Power	0 %
7049	Capacity Other	110,000	110,000	0	0	Energy Costs	Purchased Power	100 %
7050	NB Power Firm	36,636,913	0	0	0	Energy Costs	Purchased Power	0 %
7051	NB Power Firm 2	0	0	0	0	Energy Costs	Purchased Power	0 %
7053	Imbalance Energy	(38,802)	0	0	0	Energy Costs	Purchased Power	0 %
7054	Imbalance Premium	77,814	0	0	0	Energy Costs	Purchased Power	0 %
7055	COS Energy Purchase	10,073	10,073	0	0	Energy Costs	Purchased Power	100 %
7056	E-Tagging and Scheduling	12,279	0	0	0	Energy Costs	Purchased Power	0 %
7057	Cost of Energy for Sales	0	0	0	0	Energy Costs	Purchased Power	0 %
7058	IPL Transmission Sch 1, 2, 7	895,972	895,972	0	0	Energy Costs	Purchased Power	100 %
7090	ECAM Recovery	(2,358,689)	0	0	0	ECAM Adjustment	Purchased Power	0 %
7102	CTGS Build and Serv	409,240	409,240	241,616	2,887	Energy Costs	Generation	100 %
7103	CTGS Maintenance	578,327	578,327	433,628	15,020	Energy Costs	Generation	100 %
7105	CTGS Operating	423,800	423,800	403,415	5,175	Energy Costs	Generation	100 %
7116	CTGS Superintendence	279,252	279,252	254,784	2,415	Energy Costs	Generation	100 %
7117	CTGS Generation Fuel Bunker	810,374	810,374	0	0	Energy Costs	Generation	100 %
7150	ECC Operations	763,155	0	728,307	20,003	Energy Costs	ECC	N/A
7180	Training	14,050	0	0	0	Energy Costs	G&T Rate Base	N/A
7202	BGS CT Building and Services	1,450	1,450	366	0	Energy Costs	Generation	100 %
7209	BGS CT Operating	72,089	72,089	6,714	433	Energy Costs	Generation	100 %
7210	BGS CT Maintenance	255,208	255,208	154,279	5,416	Energy Costs	Generation	100 %
7217	BGS CT Fuel - Diesel	230,694	0	0	0	Energy Costs	Generation	0 %
7302	CTGS CT Building and Services	971	971	0	0	Energy Costs	Generation	100 %
7303	CTGS CT Maint	160,104	160,104	43,217	1,600	Energy Costs	Generation	100 %
7305	CTGS CT Operating	58,331	58,331	43,507	1,243	Energy Costs	Generation	100 %
7317	CTGS CT Fuel - Diesel	743,228	0	0	0	Energy Costs	Generation	0 %
7350	Insurance	552,481	0	0	0	Energy Costs	G&T Rate Base	N/A
7355	Prop Taxes	214,619	0	0	0	Energy Costs	G&T Rate Base	N/A
7415	MICF Gov Misc Lab & Exp	2,803,846	0	21,662	1,401	Energy Costs	Transmission	N/A
7450	Mech Maint BUDGET	84,041	0	83,540	499	Energy Costs	T&D Plant	N/A
7510	OATT	225,185	0	187,635	0	Transmission - OATT	Transmission	N/A
7741	Maint Sub, Build, Prop	113,103	0	44,609	2,457	Distribution	Substations	N/A



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Schedule 6.0								
Revenue Requirement 2017								
7745	Maint ROW Line Clearing	1,431,043	0	1,392,573	13,144	Distribution	Distribution Lines	N/A
7748	Maint Lines	1,513,054	0	866,712	125,207	Distribution	Distribution Network	N/A
7750	Maint Line Devices	47,854	0	31,216	2,180	Distribution	Distribution Network	N/A
7751	Maint Trans	452,070	0	293,456	57,211	Distribution	Transformers	N/A
7754	Maint street lights	59,326	0	46,052	12,429	Distribution	Distribution Network	N/A
7755	Maint UG system	61,086	0	46,053	12,397	Distribution	Distribution Network	N/A
7756	Maint UG service lines	1,656	0	713	0	Distribution	Distribution Network	N/A
7758	Maint Meters	158,003	0	84,143	8,306	Distribution	Meter Reading	N/A
7760	Communication	212,842	0	90,877	7,814	Distribution	SCADA	N/A
7763	Scada	105,279	0	71,358	4,930	Distribution	SCADA	N/A
7765	Eng	311,696	0	234,697	10,425	Distribution	Distribution Network	N/A
7768	Misc labor and expense	8,574	0	0	0	Distribution	Distribution Network	N/A
7780	Training	57,756	0	0	0	Transmission and Distribution - Other	Distribution Network	N/A
7841	Maint sub equip	53,856	0	50,207	3,491	Transmission	Transmission	N/A
7845	Maint ROW Line Clearing	701,576	0	700,347	1,172	Transmission	Transmission	N/A
7848	Maint Trans Lines	284,820	0	212,767	41,818	Transmission	Transmission	N/A
7850	Maint line devices	54,106	0	49,652	4,341	Transmission	Transmission	N/A
7865	Eng	126,090	0	120,732	5,358	Transmission	Transmission	N/A
7950	Insurance	117,034	0	0	0	Transmission and Distribution - Other	Substations	N/A
7955	Prop Taxes	1,881,192	0	0	0	Transmission and Distribution - Other	Distribution Network	N/A
8000	Super	428,245	0	N/A	N/A	General	Customer service	N/A
8020	CSS	893,842	0	N/A	N/A	General	Call Center	N/A
8030	Meter Reading	392,780	0	N/A	N/A	General	Meter Reading	N/A
8040	Training	2,771	0	N/A	N/A	General	Customer service	N/A
8055	Claims	52,024	0	N/A	N/A	General	Uncollectibles & Damage Claims	N/A
8060	Collections	(17,364)	0	N/A	N/A	General	Uncollectibles & Damage Claims	N/A
8065	Uncollectible	215,633	0	N/A	N/A	General	Uncollectibles & Damage Claims	N/A
8090	Training	0	0	N/A	N/A	General	Customer service	N/A
8100	Super	355,648	0	N/A	N/A	General	Finance Labour	N/A
8110	Admin	868,263	0	N/A	N/A	General	Finance Admin	N/A
8130	Aud, Tax & Prof Services	132,600	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8140	Training	11,209	0	N/A	N/A	General	Finance Labour	N/A
8200	Super	359,426	0	N/A	N/A	General	Labour	N/A
8210	Operational Costs	70,152	0	N/A	N/A	General	Labour	N/A
8240	Training	13,893	0	N/A	N/A	General	Labour	N/A
8300	Super	1,388	0	N/A	N/A	General	T&D Plant	N/A
8340	Training	263	0	N/A	N/A	General	T&D Plant	N/A
8345	HO Prop Exp	130,251	0	N/A	N/A	General	Head Office	N/A
8350	WRSC Prop Exp	178,146	0	N/A	N/A	General	T&D Plant	N/A
8360	East Prop Exp	45,972	0	N/A	N/A	General	T&D Plant	N/A
8365	West Prop Exp	45,836	0	N/A	N/A	General	T&D Plant	N/A
8370	Sub Prop	27,151	0	N/A	N/A	General	T&D Plant	N/A
8400	Super	321,451	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8415	Donations	159,600	0	N/A	N/A	General	Labour	N/A
8500	Super	226,586	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8510	Regulation	411,149	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8540	Training	12,156	0	N/A	N/A	General	Rate Base Excluding WC	N/A
8600	Super	3,516,414	0	N/A	N/A	General	Labour	N/A
8602	Insurance	38,794	0	N/A	N/A	General	Total Plant	N/A
8603	Legal	74,236	0	N/A	N/A	General	Labour	N/A
8605	Future Benefits	(1,371,000)	0	N/A	N/A	General	Labour	N/A
8606	Supplementary Retirement Pensi	108,400	0	N/A	N/A	General	Labour	N/A

MECL 2017 Cost Allocation Model

Schedule 6.0								
Revenue Requirement 2017								
8607	Prop Taxes	208,964	0	N/A	N/A	General	Labour	N/A
8613	Directors' Fees	251,962	0	N/A	N/A	General	Labour	N/A
8614	Gen Admin	228,090	0	N/A	N/A	General	Labour	N/A
8615	Gen Admin - Parent	612,000	0	N/A	N/A	General	Labour	N/A
8620	Environmental	3,152	0	N/A	N/A	General	Environmental	N/A
8630	Aud, Tax & Prof Services	0	0	N/A	N/A	General	Labour	N/A
8640	Training	49,624	0	N/A	N/A	General	Labour	N/A
6611	Interest Income Misc	(151,735)	0	N/A	N/A	Short-Term Debt	Rate Base	N/A
6604	Interest During Construction	(449,760)	0	N/A	N/A	Interest Charged To Construction	Rate Base	N/A
9000	Interest 2016 11.5%	0	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9001	Interest 2018 8.55%	1,282,500	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9002	Interest 2031 8.92%	1,784,000	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9003	Interest 2027 8.625%	1,293,750	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9004	Interest 2038 6.054%	3,632,400	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9006	Interest 2061 4.915%	1,462,800	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9008	Interest 2025 7.57%	1,135,500	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9009	Interest 2061 4.915%	1,474,500	0	N/A	N/A	Long-Term Debt	Rate Base	N/A
9100	Other Interest	779,145	0	N/A	N/A	Short-Term Debt	Rate Base	N/A
9200	Amortization Finance Costs Tem	8,708	0	N/A	N/A	Amortization of Financing Costs	Rate Base	N/A
9400	Amortization	21,372,683	0	N/A	N/A	Amortization Plant And Equipment	Amortization	N/A
9415	Amortization - Lepreau Writedo	98,600	0	N/A	N/A	Amortization Other	Purchased Power	N/A
9420	Amortization - DSM Costs	322,476	0	N/A	N/A	Amortization Other	Purchased Power	N/A
9425	Amortization - Developed Softw	361,972	0	N/A	N/A	Amortization Other	Labour	N/A
9427	Amortization - ROW and Easemen	67,795	0	N/A	N/A	Amortization Other	Right of Way Amortization	N/A
9600	Income Tax	5,940,740	0	N/A	N/A	Income Taxes	Rate Base	N/A
Total Net Earnings		12,928,143	0			Net Earnings	Rate Base	N/A
6241	Service Connections	(463,552)	0	N/A	N/A	Other Revenue	Service Connections	N/A
6260	Late Payment Charges	(639,391)	0	N/A	N/A	Other Revenue	Late Payments	N/A
6605	Misc Revenue	(561,181)	0	N/A	N/A	Other Revenue	Primary & Secondary	N/A
6622	Rental Property Income Base WR	0	0	N/A	N/A	Other Revenue	Head Office	N/A
6606	Accrued Revenue Adjustment	(298,281)	0	N/A	N/A	Other Revenue	Rate Base	N/A
Pole Revenue		(10,170)	0	N/A	N/A	Other Revenue	Primary & Secondary	N/A
7500	Transmission Access	5,304,673	0	0	0	OATT Revenue	Transmission	N/A
7502	Scheduling Service	210,292	0	0	0	OATT Revenue	Transmission	N/A
7503	Wind Regulation and Load Follo	9,737	0	0	0	OATT Revenue	Transmission	N/A
7504	Reactive Supply and Voltage Co	340,020	0	0	0	OATT Revenue	Transmission	N/A
7505	Energy Imbalance OATT	108,068	0	0	0	OATT Revenue	Transmission	N/A
7507	Residual Uplift	0	0	0	0	OATT Revenue	Transmission	N/A
7508	Non-Capital Support Charge	74,928	0	0	0	OATT Revenue	Transmission	N/A
6340	Transmission Access	(6,690,324)	0	0	0	OATT Revenue	Transmission	N/A
6342	Scheduling Service	(315,832)	0	0	0	OATT Revenue	Transmission	N/A
6343	Regulation and Load Following	(9,737)	0	0	0	OATT Revenue	Transmission	N/A
6344	Reactive Supply and Voltage Co	(464,307)	0	0	0	OATT Revenue	Transmission	N/A
6345	Energy Imbalance OATT	(155,312)	0	0	0	OATT Revenue	Transmission	N/A
6346	Cumulative Transmission Energy	0	0	0	0	OATT Revenue	Transmission	N/A
6347	Residual Uplift	0	0	0	0	OATT Revenue	Transmission	N/A
6348	Non-Capital Support Charge	(326,372)	0	0	0	OATT Revenue	Transmission	N/A

MECL 2017 Cost Allocation Model

Schedule 6.1		1										
Plant In Service 2017												
Account	Name	Fixed Assets			Accumulated Amortization			WIP			Net	
		Open	Close	id Year	Open	Close	id Year	Open	Close	id Year	Fixed Assets	Annual Amortization
1101	Prod Power Plant Land	2,261,810	2,261,810	2,261,810	0	0	0	0	0	0	2,261,810	0
1102	Prod Power Plant Build & Structure	7,987,112	7,979,541	7,983,327	4,339,158	4,971,244	4,655,201	(0)	(0)	(0)	3,328,125	746,441
1103	Prod Pumphouse Elect Equip	1,630,613	1,630,613	1,630,613	1,204,869	1,329,611	1,267,240	0	0	0	363,373	124,742
1104	Prod Pumphouse Mech Equip	32,949	32,949	32,949	14,978	(256)	7,361	0	0	0	25,588	2,521
1105	Prod Boiler Plant Equip	24,773,350	24,782,418	24,777,884	16,440,962	18,259,598	17,350,280	(0)	0	(0)	7,427,604	1,895,508
1107	Prod Turbine & Aux Equip	21,842,787	21,501,600	21,672,194	13,248,601	14,104,757	13,676,679	(0)	(0)	(0)	7,995,515	1,777,120
1109	Gas Turbine & Aux Equip	34,813,111	35,297,121	35,055,116	6,410,092	6,671,148	6,540,620	0	(0)	(0)	28,514,496	799,257
1113	Prod Elect Equip Plant & Yard	2,283,113	2,283,113	2,283,113	1,879,332	1,996,684	1,938,008	0	0	0	345,105	117,352
1115	Prod Misc Power Plant Equip	1,506,403	1,506,403	1,506,403	1,085,918	1,191,216	1,138,567	0	0	0	367,836	105,298
1135	Prod Shop Equip	6,483	6,483	6,483	4,741	5,194	4,968	0	0	0	1,516	453
1139	Prod River Pumphouse Build	1,026,497	1,026,497	1,026,497	509,360	605,338	557,349	0	0	0	469,148	95,977
1201	Prod Borden Power Plant Land	43,567	43,567	43,567	0	0	0	0	0	0	43,567	0
1202	Prod Borden Build & Structures	481,306	481,306	481,306	196,123	212,391	204,257	0	0	0	277,049	16,268
1209	Prod Borden Gas Turbine & Aux Eq	12,805,896	12,865,545	12,835,720	2,781,580	3,388,934	3,085,257	(0)	(0)	(0)	9,750,464	626,383
1215	Prod Borden Misc Equip	320,116	320,116	320,116	112,163	125,928	119,046	0	0	0	201,070	13,765
1301	ECC Land	20,470	20,470	20,470	0	0	0	0	0	0	20,470	0
1315	Prod ECC Misc Power Plant Equip	201,817	201,817	201,817	112,157	117,203	114,680	0	0	0	87,137	5,045
1355	ECC UG Cables	0	0	0	0	0	0	0	0	0	0	0
1379	ECC Build	689,006	701,589	695,297	287,332	303,554	295,443	0	0	0	399,855	17,382
1740	Dist Substation Land	4,506	4,506	4,506	0	0	0	0	0	0	4,506	0
1741	Dist Substation Equip Build & Struc	3,141,771	3,289,859	3,215,815	715,127	778,876	747,002	(0)	(0)	(0)	2,468,813	70,426
1744	Dist Land	5,467	5,467	5,467	0	0	0	0	0	0	5,467	0
1748	Dist OH Conductors	79,066,546	84,370,093	81,718,319	23,918,899	25,049,932	24,484,415	(0)	(0)	(0)	57,233,904	2,565,955
1749	Dist Poles & Fixtures	62,800,280	75,601,860	69,201,070	26,638,848	32,224,334	29,431,591	(0)	(0)	(0)	39,769,479	2,415,117
1750	Dist Line Control Devices	9,357,986	9,505,073	9,431,530	1,961,381	2,250,197	2,105,789	(0)	(0)	(0)	7,325,740	296,150
1751	Dist Transformers	66,166,305	69,024,150	67,595,227	14,809,149	16,616,504	15,712,826	(15)	(15)	(15)	51,882,416	2,223,883
1752	Dist Transformer Installations	11,849,699	12,591,274	12,220,486	1,888,977	2,136,492	2,012,734	(0)	(0)	(0)	10,207,752	402,054
1753	Dist Service Lines	76,003,644	67,238,249	71,620,947	34,362,819	30,225,357	32,294,088	(0)	(0)	(0)	39,326,858	2,234,574
1754	Dist Street & Yard Lights	5,798,304	6,053,459	5,925,881	1,627,000	1,484,641	1,555,820	(0)	(0)	(0)	4,370,061	272,591
1755	Dist UG Conductors	3,026,345	3,097,194	3,061,769	1,264,709	1,339,416	1,302,062	0	0	0	1,759,707	74,707
1756	Dist UG Service Lines	2,029,531	2,076,695	2,053,113	983,777	1,033,873	1,008,825	0	0	0	1,044,288	50,096
1757	Dist UG System Street Lights	653,789	653,789	653,789	553,829	582,596	568,212	0	0	0	85,576	28,767
1758	Dist Meters	13,884,790	14,245,974	14,065,382	914,954	1,555,741	1,235,348	(0)	(0)	(0)	12,830,034	704,676
1759	Dist Meter Installations	599,839	651,341	625,590	(1,202,879)	(1,216,851)	(1,209,865)	0	0	0	1,835,455	20,832
1760	Dist Communications System	9,277,485	10,214,242	9,745,863	5,525,240	5,982,950	5,754,095	101,927	(0)	50,964	3,940,805	464,878
1761	Dist Eng Test & Survey Equip	23,570	22,893	23,231	(326,636)	(328,303)	(327,470)	0	0	0	350,701	1,162
1762	Dist Tools & Stores Equip	1,138,738	1,093,044	1,115,891	385,633	346,330	365,982	0	0	0	749,909	55,795
1763	Supervisory Scada System	1,629,079	1,815,241	1,722,160	1,106,974	1,221,842	1,164,408	78,478	0	39,239	518,513	114,868
1777	Dist General Property Land	329,731	329,731	329,731	0	0	0	0	0	0	329,731	0
1778	Dist General Prop Build Office	4,973,384	4,981,390	4,977,387	2,090,283	2,214,718	2,152,501	0	0	0	2,824,886	124,435
1779	Dist General Property Build District	6,231,287	6,358,301	6,294,794	2,428,806	2,537,901	2,483,353	0	103,921	51,960	3,759,480	157,370
1780	Office Equip	78,685	77,037	77,861	(180,912)	(182,855)	(181,884)	0	0	0	259,745	5,193
1781	Transportation Equip	10,961,598	11,944,126	11,452,862	4,645,670	4,716,477	4,681,073	0	0	0	6,771,789	801,700
1784	Computer Hardware	1,186,176	1,127,561	1,156,869	(98,209)	(150,809)	(124,509)	0	0	0	1,281,378	231,374
1785	Computer Software	3,231,969	3,205,708	3,218,839	1,290,997	1,195,273	1,243,135	(0)	(0)	(0)	1,975,704	321,884
1786	Marketing & Transition	0	0	0	0	0	0	0	0	0	0	0
1840	Trans Substation Land	399,940	501,943	450,941	0	0	0	1,158	47,033	24,096	426,846	0
1841	Trans Substation Equip, Build & St	45,732,118	50,295,933	48,014,025	16,611,050	17,490,414	17,050,732	429,231	2,281,928	1,355,579	29,607,714	897,862
1844	Trans Land	427,346	433,956	430,651	0	0	0	0	0	0	430,651	0
1846	Road & Trails	73,263	73,263	73,263	12,401	13,867	13,134	0	0	0	60,129	1,465

## MECL 2017 Cost Allocation Model

Schedule 6.		
Plant In Ser		
Account	Presentation Header	Basis for Functionalization
1101	Production	Generation
1102	Production	Generation
1103	Production	Generation
1104	Production	Generation
1105	Production	Generation
1107	Production	Generation
1109	Production	Generation
1113	Production	Generation
1115	Production	Generation
1135	Production	Generation
1139	Production	Generation
1201	Production	Generation
1202	Production	Generation
1209	Production	Generation
1215	Production	Generation
1301	Administrative & General	ECC
1315	Production	Generation
1355	Production	Generation
1379	Administrative & General	ECC
1740	Substations	Substations
1741	Substations	Substations
1744	Substations	Substations
1748	Lines and Line Transformers	Primary & Secondary
1749	Lines and Line Transformers	Primary & Secondary
1750	Lines and Line Transformers	Primary & Secondary
1751	Lines and Line Transformers	Transformers
1752	Lines and Line Transformers	Transformers
1753	Lines and Line Transformers	Service Lines
1754	Street & Private Area Lights	Lighting
1755	Lines and Line Transformers	Primary & Secondary
1756	Lines and Line Transformers	Service Lines
1757	Street & Private Area Lights	Lighting
1758	Meters	Meter Assets
1759	Meters	Meter Assets
1760	SCADA and Communications	SCADA
1761	Administrative & General	Distribution Network
1762	Administrative & General	Distribution Network
1763	SCADA and Communications	SCADA
1777	Administrative & General	Head Office
1778	Administrative & General	Head Office
1779	Administrative & General	Distribution Network
1780	Administrative & General	Labour
1781	Administrative & General	Transportation
1784	Administrative & General	Labour
1785	Administrative & General	Labour
1786	Administrative & General	Labour
1840	Substations	Transmission
1841	Substations	Substations 1841 Account
1844	Substations	Transmission
1846	Lines and Line Transformers	Transmission

MECL 2017 Cost Allocation Model

Schedule 6.1		1										
Plant In Service 2017												
1847	Trans Towers	878,834	878,834	878,834	710,302	727,879	719,091	0	0	0	159,744	17,577
1848	Trans OH Conductors	39,053,630	42,905,459	40,979,545	11,707,174	12,697,987	12,202,581	2,112,341	0	1,056,171	27,720,793	1,008,097
1849	Trans Poles & Fixtures	21,032,562	22,861,634	21,947,098	5,973,143	6,574,086	6,273,615	1,047,122	(0)	523,561	15,149,922	658,413
1850	Trans Line Control Devices	2,156,220	2,716,496	2,436,358	524,075	584,009	554,042	0	0	0	1,882,316	59,934
1855	Trans UG Cables	0	0	0	0	0	0	0	0	0	0	0
1877	Trans General Property Land	165,586	165,586	165,586	0	0	0	0	0	0	165,586	0
Subtotal PPE		596,096,410	623,354,316	609,725,363	209,469,947	222,985,416	216,227,682	3,770,242	2,432,866	3,101,554	390,396,127	22,625,346
3200	Material & Supply Line Hardwar	2,489,157	2,935,868	2,712,512	0	0	0	0	0	0	2,712,512	0
3205	PST Material & Supply Line Har	0	0	0	0	0	0	0	0	0	0	0
3210	COGP Line Hardware	0	0	0	0	0	0	0	0	0	0	0
3212	COGP LH Price Variance	0	(20,592)	(10,296)	0	0	0	0	0	0	(10,296)	0
3215	COGP Other	0	0	0	0	0	0	0	0	0	0	0
3217	COGP Other Price Variance	0	(30,540)	(15,270)	0	0	0	0	0	0	(15,270)	0
3220	Material Quantity Variance	0	0	0	0	0	0	0	0	0	0	0
3305	HRLY Clearing	0	0	0	0	0	0	0	0	0	0	0
Subtotal Inventory		2,489,157	2,884,736	2,686,946	0	0	0	0	0	0	2,686,946	0
WIP Adjustment		395,579	(395,579)	0	0	0	0	30,964	(350,508)	(159,772)	159,772	(19,797)
Total Fixed Assets		598,981,146	625,843,473	612,412,309	209,469,947	222,985,416	216,227,682	3,801,206	2,082,358	2,941,782	393,242,846	22,605,549

## MECL 2017 Cost Allocation Model

Schedule 6.		
Plant In Ser		
1847	Lines and Line Transformers	Transmission
1848	Lines and Line Transformers	Transmission
1849	Lines and Line Transformers	Transmission
1850	Lines and Line Transformers	Transmission
1855	Lines and Line Transformers	Transmission
1877	Lines and Line Transformers	Transmission
Subtotal PP		
3200	Lines and Line Transformers	Distribution Network
3205	Lines and Line Transformers	Distribution Network
3210	Lines and Line Transformers	Distribution Network
3212	Lines and Line Transformers	Distribution Network
3215	Lines and Line Transformers	Distribution Network
3217	Lines and Line Transformers	Distribution Network
3220	Lines and Line Transformers	Distribution Network
3305	Lines and Line Transformers	Distribution Network
Subtotal Inv		
WIP Adjustr	Lines and Line Transformers	Distribution Network
Total Fixed		

MECL 2017 Cost Allocation Model

Schedule 6.2							
Contributions & Intangible Assets							
Contributions							
		Gross					
Account	Name	Open	Close	Change	id Year		
4500	Contributions - New Services	24,078,931	24,530,871	451,940	24,304,901		
4503	Contributions - Extensions	369,349	369,349	0	369,349		
4510	Refundable Contributions	492,198	479,684	(12,514)	485,941		
4505	Contributions - Other	16,405,417	16,405,417	0	16,405,417		
Total Gross		41,345,895	41,785,321	439,426	41,565,608		
		Accumulated Amortization					
		Open	Close	Change	id Year	Basis for Functionalization	
4501	Amortization Contributions	13,177,277	13,655,247	477,970	13,416,262	Contributions Related Distribution Plant	
4501	Amortization Contributions	2,929,773	3,377,640	447,868	3,153,706	Transmission	
Total Accumulated Amortization		16,107,050	17,032,887	925,838	16,569,968		
		Total Net					
		Open	Close	Change	id Year	Basis for Functionalization	
Distribution		11,763,201	11,724,657	(38,544)	11,743,929	Contributions Related Distribution Plant	
Transmission		13,475,645	13,027,777	(447,868)	13,251,711	Transmission	
Total Net		25,238,846	24,752,434	(486,412)	24,995,640		
Intangible							
		Gross					
Account	Name	Open	Close	Change	id Year	Presentation Header	Basis for Functionalization
3580	ROW Distribution	282,000	282,000	0	282,000	Right of Ways	Distribution Facilities
3580	ROW Transmission	4,454,826	4,462,985	8,159	4,458,906	Right of Ways	Transmission
3585	CIS and EPS	2,474,190	2,771,779	297,588	2,622,985	Software	Labour
Total Gross		7,211,017	7,516,763	305,747	7,363,890		
		Accumulated Amortization					
Account	Name	Open	Close	Change	id Year	Presentation Header	Basis for Functionalization
3580	ROW Distribution	58,177	62,209	4,033	60,193	Right of Ways	Distribution Facilities
3580	ROW Transmission	1,346,731	1,410,494	63,762	1,378,613	Right of Ways	Transmission
3585	CIS and EPS	1,766,767	2,128,739	361,972	1,947,753		
Total Accumulated Amortization		3,171,675	3,601,442	429,767	3,386,558		
		Total Net					
Account	Name	Open	Close	Change	id Year	Presentation Header	Basis for Functionalization
3580	ROW Distribution	223,823	219,791	(4,033)	221,807	Right of Ways	Distribution Facilities
3580	ROW Transmission	3,108,095	3,052,491	(55,604)	3,080,293	Right of Ways	Transmission
3585	CIS and EPS	707,424	643,040	(64,384)	675,232	Software	Labour
Total Net		4,039,342	3,915,322	(124,020)	3,977,332		

## MECL 2017 Cost Allocation Model

Schedule 6.3	
Standard Lists	
Rate Classes	Allocators
Residential	1CP - Input
Residential (S)	1CP - Input Firm
Farm	1CP - Transmission
General Service 1	1CP - Distribution Primary
General Service 1 (S)	NCP - Distribution Primary
Small Industrial	NCP - Distribution Secondary
Large Industrial	Energy - Input
Lights	Sites
Unmetered	Sites - Distribution Primary
	Sites - Distribution Secondary
Functions	Sites - Mass Market
Generation	Service Lines
Purchased Power	Meter Assets
Transmission	Meter Reading
Substations	Billing
Primary Lines	Remittance & Collection
Transformers	Service Connection Revenue
Secondary Lines	Penalty Revenue
Service Lines	Lighting Direct Assign
Meter Assets	MECL Generation
Meter Reading	MECL Purchases
Billing	Primary System
Remittance & Collection	Distribution Transformers
Uncollectibles & Damage Claims	Secondary System
Service Connections	
Late Payments	
Lighting	