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#### 2-EP-1

Reference: Exhibit 2, Pages 1 to 4

- a) Please file a calculation of the Means Test for the Brampton RZ using the Brampton RZ financial information listing any assumptions that may be required to do the calculation.
- b) Please file a calculation of the Threshold Test for Alectra Utilities Inc. using the Alectra Utilities Inc. financial information listing any assumptions that may be required to do the calculation.

#### Response:

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- a) The Regulated Return on Equity ("ROE") is calculated for Alectra Utilities and not individually, by rate zone. Please see Alectra Utilities' response to 1-BOMA-2 a).
  - b) As provided in Exhibit 2, Tab 1, Schedule 1, p.1-2, the materiality threshold test relies on rate base and depreciation from each utility's last cost of service, and a growth calculation based on the percentage difference in distribution revenues between the most recent complete year and the distribution revenues from the most recent approved test year in a cost of service. As a result, the materiality threshold test is calculated on rate zone basis. Alectra Utilities has relied on the OEB's ICM Model to calculate the materiality threshold tests for the Horizon Utilities, Guelph and Enersource rate zones. The materiality threshold test for the Brampton and PowerStream rate zones were included in the ICM Models filed as Attachments 2 and 5, respectively. Table 1 below, provides a summary of the 2021 threshold values for each rate zone, which are summed to determine the threshold value for Alectra Utilities. The threshold calculations for each rate zone are filed as 2-EP-1\_Attachment 1

Table 1 – 2021 Materiality Thresholds by Rate Zone (\$000s)

Project Description	HRZ	BRZ	PRZ	ERZ	GRZ	Alectra Utilities
2021 Threshold Value	52,185	31,499	79,319	42,194	9,369	214,566

# 2-EP-1 Attachment 1 – Threshold Test

# Applicable to ACM and ICM Alectra Utilities Corporation - Enersource RZ

No Input Required.

Cost of Service Rebasing Year		2013	
Price Cap IR Year in which Application is made		8	n
Price Cap Index		1.70%	PCI
Growth Factor Calculation			
Revenues Based on 2019 Actual Distribution Demand		\$134,302,222	
Revenues Based on 2013 Board-Approved Distribution Demand		\$135,434,724	
Growth Factor		-0.14%	g (Note 1)
Dead Band		10%	
Average Net Fixed Assets			
Gross Fixed Assets Opening	\$	541,300,088	
Add: CWIP Opening	\$	4,371,226	
Capital Additions	\$	46,257,875	
Capital Disposals	-\$	1,026,755	
Capital Retirements	\$		
Deduct: CWIP Closing	-\$	4,371,726	
Gross Fixed Assets - Closing	\$	586,530,708	
Average Gross Fixed Assets	\$	563,915,398	
Accumulated Depreciation - Opening	\$	45,750,490	
Depreciation Expense	\$	28,721,695	
Disposals	\$	-	
Retirements	-\$	1,026,755	
Accumulated Depreciation - Closing	\$	73,445,430	
Average Accumulated Depreciation	\$	59,597,960	
Average Net Fixed Assets	\$	504,317,438	
Working Capital Allowance Working Capital Allowance Base Working Capital Allowance Rate Working Capital Allowance	\$	786,215,891 13.5% 106,139,145	
Rate Base	\$	610,456,583	RB
Depreciation	\$	28,721,695	d
Threshold Value (varies by Price Cap IR Year subsequent to	CoS rebas	ing)	
Price Cap IR Year 2014		143.1%	
Price Cap IR Year 2015		143.6%	
Price Cap IR Year 2016		144.2%	
Price Cap IR Year 2017		144.7%	
Price Cap IR Year 2018		145.2%	
Price Cap IR Year 2019		145.8%	
Price Cap IR Year 2020		146.3%	
Price Cap IR Year 2021		146.9%	Threshold Val
Price Cap IR Year 2022		147.5%	
Price Cap IR Year 2023		148.1%	
Threehold CAREY			
Threshold CAPEX Price Cap IR Year 2014	\$	44 406 202	
Price Cap IR Year 2014 Price Cap IR Year 2015	\$	41,106,393 41,254,623	
Price Cap IR Year 2016	\$	41,254,623	
Price Cap IR Year 2016 Price Cap IR Year 2017	\$		
FILE CAU IN TEST ZUT/	\$	41,558,049	
	-	41,713,318 41,871,006	
Price Cap IR Year 2018	•		
Price Cap IR Year 2018 Price Cap IR Year 2019	\$		
Price Cap IR Year 2018 Price Cap IR Year 2019 Price Cap IR Year 2020	\$	42,031,151	
Price Cap IR Year 2018 Price Cap IR Year 2019			

# Applicable to ACM and ICM Alectra Utilities Corporation - Brampton RZ

No Input Required.

Cost of Service Rebasing Year		2015	
Price Cap IR Year in which Application is made		6	n
Price Cap Index		1.70%	PCI
Growth Factor Calculation			
Revenues Based on 2019 Actual Distribution Demand		\$78,890,653	
Revenues Based on 2015 Board-Approved Distribution I		\$74,702,826	
Growth Factor		1.40%	g (Note 1
Dead Band		10%	
Average Net Fixed Assets			
Gross Fixed Assets Opening	\$	627,821,483	
Add: CWIP Opening	\$		
Capital Additions	\$	32,518,047	
Capital Disposals	-\$	2,963,781	
Capital Retirements	\$ \$	-	
Deduct: CWIP Closing Gross Fixed Assets - Closing	\$	657,375,749	
Gloss Fixed Assets - Glosling	φ	057,575,749	
Average Gross Fixed Assets	\$	642,598,616	
Accumulated Depreciation - Opening	\$	295,604,516	
Depreciation Expense	\$	15,227,319	
Disposals	-\$	2,191,181	
Retirements	\$	-	
Accumulated Depreciation - Closing	\$	308,640,653	
Average Accumulated Depreciation	\$	302,122,584	
Average Net Fixed Assets	\$	340,476,032	
Working Capital Allowance Working Capital Allowance Base Working Capital Allowance Rate Working Capital Allowance	\$	493,403,770 13.0% 64,142,490	
Rate Base	\$	404,618,522	RB
Depreciation	\$	15,227,319	d
Threshold Value (varies by Price Cap IR Year subse	quent to	o CoS rebasing)	
Price Cap IR Year 2016		193.0%	
Price Cap IR Year 2017		195.6%	
Price Cap IR Year 2018		198.3%	
Price Cap IR Year 2019		201.1%	
Price Cap IR Year 2020		203.9%	
Price Cap IR Year 2021		206.9%	
Price Cap IR Year 2022		209.9%	
Price Cap IR Year 2023		213.0%	Threshold
Price Cap IR Year 2024		216.2%	
Price Cap IR Year 2025		219.5%	
Threshold CAPEX			
Price Cap IR Year 2016	\$	29,395,677	
Price Cap IR Year 2017	\$	29,790,894	
Price Cap IR Year 2018	\$	30,198,462	
Price Cap IR Year 2019	\$	30,618,768	
	\$	31,052,210	
Price Cap IR Year 2020	\$	31,499,198	
Price Cap IR Year 2020 Price Cap IR Year 2021			
	\$	31,960,157	
Price Cap IR Year 2021		31,960,157 32,435,521	
Price Cap IR Year 2021 Price Cap IR Year 2022	\$		

# Applicable to ACM and ICM Alectra Utilities Corporation - Guelph RZ

No Input Required.

Cost of Service Rebasing Year		2016	
Price Cap IR Year in which Application is made		5	n
Price Cap Index		1.70%	PCI
Growth Factor Calculation			
Revenues Based on 2019 Actual Distribution Demand		\$31,038,356	
Revenues Based on 2016 Board-Approved Distribution Demand		\$31,204,093	
Growth Factor		-0.18%	g (Note 1)
Dead Band		10%	
Average Net Fixed Assets			
Gross Fixed Assets Opening	\$	163,625,735	
Add: CWIP Opening	\$ \$	11,363,000	
Capital Additions Capital Disposals	\$	11,303,000	
Capital Retirements	\$	-	
Deduct: CWIP Closing	\$	_	
Gross Fixed Assets - Closing	\$	174,988,735	
Average Gross Fixed Assets	\$	169,307,235	
Accumulated Depreciation - Opening	\$	32,529,814	
Depreciation Expense	\$	6,295,624	
Disposals	\$	-	
Retirements	\$		
Accumulated Depreciation - Closing	\$	38,825,438	
Average Accumulated Depreciation	\$	35,677,626	
Average Net Fixed Assets	\$	133,629,609	
Working Capital Allowance			
Working Capital Allowance Base	\$	236,828,275	
Working Capital Allowance Rate	\$	7.5%	
Working Capital Allowance	<b>.</b>	17,762,121	
Rate Base	\$	151,391,730	RB
Depreciation	\$	6,295,624	d
Threshold Value (varies by Price Cap IR Year subsequent	to CoS re	basing)	
Price Cap IR Year 2017		146.6%	
Price Cap IR Year 2018		147.1%	
Price Cap IR Year 2019		147.7%	
Price Cap IR Year 2020		148.2%	
Price Cap IR Year 2021		148.8%	
Price Cap IR Year 2022		149.4%	
Price Cap IR Year 2023		150.0%	
Price Cap IR Year 2024		150.6%	Threshold Value
Price Cap IR Year 2025 Price Cap IR Year 2026		151.2% 151.9%	
The ALLICABETY	,	*	
Threshold CAPEX Price Cap IR Year 2017	\$	9,226,256	
Price Cap IR Year 2018	\$	9,261,231	
Price Cap IR Year 2019	\$	9,296,738	
Price Cap IR Year 2020	\$	9,332,784	
Price Cap IR Year 2021	\$	9,369,378	
Price Cap IR Year 2022	\$	9,406,528	
Price Cap IR Year 2023	\$	9,444,243	
Price Cap IR Year 2024	\$	9,482,532	
		0 504 400	
Price Cap IR Year 2025	\$	9,521,402	

# Applicable to ACM and ICM Alectra Utilities Corporation - PowerStream RZ

No Input Required.

Cost of Service Rebasing Year		2017	
Price Cap IR Year in which Application is made		4	n
Price Cap Index		1.70%	PCI
Growth Factor Calculation			
Revenues Based on 2019 Actual Distribution Demand		\$210,728,063	
Revenues Based on 2017 Board-Approved Distribution Demand		\$209,884,946	
Growth Factor		0.20%	g (Note 1)
Dead Band		10%	
Average Net Fixed Assets	•	4 400 500 040	
Gross Fixed Assets Opening	\$	1,183,508,940	
Add: CWIP Opening Capital Additions	\$ \$	57,486,862 114,494,289	
Capital Disposals	-\$	2,734,108	
Capital Retirements	\$	2,704,100	
Deduct: CWIP Closing	-\$	39,959,632	
Gross Fixed Assets - Closing	\$	1,312,796,351	
Average Gross Fixed Assets	\$	1,248,152,646	
•			
Accumulated Depreciation - Opening	\$	229,378,962	
Depreciation Expense Disposals	\$ -\$	52,272,173 717,703	
Retirements	-ə \$	717,703	
Accumulated Depreciation - Closing	\$	280,933,432	
Average Accumulated Depreciation	\$	255,156,197	
Average Net Fixed Assets	\$	992,996,449	
Working Capital Allowance Working Capital Allowance Base Working Capital Allowance Rate Working Capital Allowance	\$	1,197,449,515 7.5% 89,808,714	
Rate Base	\$	1,082,805,162	RB
Depreciation	\$	52,272,173	d
Threshold Value (varies by Price Cap IR Year subsequent to	CoS rebas		
Price Cap IR Year 2018		149.4%	
Price Cap IR Year 2019		150.2%	
Price Cap IR Year 2020 Price Cap IR Year 2021		151.0% 151.7%	
Price Cap IR Year 2022		152.5%	
Price Cap IR Year 2023		153.3%	
Price Cap IR Year 2024		154.2%	
Price Cap IR Year 2025		155.0%	Threshold Va
Price Cap IR Year 2026		155.9%	Titi CSitota Va
Price Cap IR Year 2027		156.7%	
Threshold CAPEX			
Price Cap IR Year 2018	\$	78,118,888	
Price Cap IR Year 2019	\$	78,511,538	
Price Cap IR Year 2020	\$	78,911,665	
Price Cap IR Year 2021	\$	79,319,412	
Price Cap IR Year 2022	\$	79,734,923	
Price Cap IR Year 2023	\$	80,158,347	
Price Cap IR Year 2024	\$	80,589,834	
	\$	81,029,538	
Price Cap IR Year 2025	Ψ		
Price Cap IR Year 2025 Price Cap IR Year 2026	\$	81,477,614	

# Applicable to ACM and ICM Alectra Utilities Corporation - Horizon RZ

No Input Required.

Cost of Service Rebasing Year		2019	
Price Cap IR Year in which Application is made		2	n
Price Cap Index		1.70%	PCI
Growth Factor Calculation		111070	1 01
Revenues Based on 2019 Board-Approved Distribution Demand		\$120,958,284	
Revenues Based on 2018 Actual Distribution Demand		\$117,509,414	- (N-1-1
Growth Factor Dead Band		2.93% 10%	g (Note 1)
Average Net Fixed Assets		10 /6	
Gross Fixed Assets Opening	\$	625,929,889	
Add: CWIP Opening	\$	3,164,006	
Capital Additions	\$	49,472,477	
Capital Disposals	-\$	4,597,818	
Capital Retirements	\$	<del>-</del>	
Deduct: CWIP Closing	-\$	3,164,006	
Gross Fixed Assets - Closing	\$	670,804,548	
Average Gross Fixed Assets	\$	648,367,219	
Assumed that Danier is time. On online	Φ.	404 004 505	
Accumulated Depreciation - Opening Depreciation Expense	\$ \$	161,031,595 22,664,822	
Disposals	э -\$		
Retirements	-φ \$	1,426,748	
Accumulated Depreciation - Closing	\$	182,269,669	
A			
Average Accumulated Depreciation	\$	171,650,632	
Average Net Fixed Assets	\$	476,716,587	
Working Capital Allowance			
Working Capital Allowance Base	\$	658,178,026	
Working Capital Allowance Rate		12.0%	
Working Capital Allowance	\$	78,981,363	
Rate Base	\$	555,697,950	RB
Depreciation	\$	22,664,822	d
Threshold Value (varies by Price Cap IR Year subsequent to	CoS r	ebasing)	
Price Cap IR Year 2020		224.9%	
		230.2%	
Price Cap IR Year 2021		235.9%	
Price Cap IR Year 2021 Price Cap IR Year 2022		0.44.00/	
•		241.8%	
Price Cap IR Year 2022		241.8%	
Price Cap IR Year 2022 Price Cap IR Year 2023			Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024		247.9%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025		247.9% 254.4%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026		247.9% 254.4% 261.2%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2026 Price Cap IR Year 2027		247.9% 254.4% 261.2% 268.3%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2027 Price Cap IR Year 2028		247.9% 254.4% 261.2% 268.3% 275.7%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2028 Price Cap IR Year 2029 Threshold CAPEX	\$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020	\$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4%	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2020 Price Cap IR Year 2021	\$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2021 Price Cap IR Year 2021 Price Cap IR Year 2022	\$ \$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663 53,461,447	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2024 Price Cap IR Year 2026 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2020 Price Cap IR Year 2021 Price Cap IR Year 2022 Price Cap IR Year 2022 Price Cap IR Year 2022	\$ \$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663 53,461,447 54,798,046	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2021 Price Cap IR Year 2021 Price Cap IR Year 2022	\$ \$ \$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663 53,461,447 54,798,046 56,197,263	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2021 Price Cap IR Year 2021 Price Cap IR Year 2022 Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2023 Price Cap IR Year 2024	\$ \$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663 53,461,447 54,798,046	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2021 Price Cap IR Year 2021 Price Cap IR Year 2022 Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2025 Price Cap IR Year 2025 Price Cap IR Year 2026	\$ \$ \$ \$ \$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663 53,461,447 54,798,046 56,197,263 57,662,032 59,195,423	Threshold
Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2024 Price Cap IR Year 2025 Price Cap IR Year 2026 Price Cap IR Year 2027 Price Cap IR Year 2028 Price Cap IR Year 2029  Threshold CAPEX Price Cap IR Year 2020 Price Cap IR Year 2021 Price Cap IR Year 2021 Price Cap IR Year 2021 Price Cap IR Year 2022 Price Cap IR Year 2023 Price Cap IR Year 2023 Price Cap IR Year 2024 Price Cap IR Year 2024 Price Cap IR Year 2025	\$ \$ \$ \$	247.9% 254.4% 261.2% 268.3% 275.7% 283.4% 50,965,018 52,184,663 53,461,447 54,798,046 56,197,263 57,662,032	Threshold

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Alectra Utilities 2021 EDR Application

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#### 2-EP-2

Reference: Exhibit 2, Page 6

Preamble: "Request for financial settlement is anticipated from HONI in 2021 in the amount of \$5.7MM with the final amount and payment terms to be negotiated between HONI and Alectra at that time."

- a) Does Alectra have a document obtained from Hydro One that would support the calculation of the amount of \$5.7 million? If the answer is yes, please file the document. If the answer is no, please explain why not.
- b) Please explain how the \$5.7 million amount was determined listing all assumptions, calculations, and references to sources of data.

#### Response:

1 a) and b) Please see Alectra Utilities' response to BRZ-Staff-21.

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Alectra Utilities 2021 EDR Application

Responses to Energy Probe Research Foundation Interrogatories
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2-EP-3

Reference: Exhibit 2, Tab 1

Please file a calculation of the Means Test for the PowerStream RZ using the Powerstream RZ financial information listing any assumptions that may be required to do the calculation.

#### Response:

- 1 The Regulated Return on Equity ("ROE") is calculated for Alectra Utilities and not individually,
- 2 by rate zone. Please see Alectra Utilities' response to 1-BOMA-2 a).

#### 4-EP-4

Reference: Exhibit 4, Attachment 3, Page 3

- a) Please confirm that the total length of the Goreway Drive Widening Countryside to Cottrelle relocation project is 7.1 km.
- b) What the total cost of relocation per km prior to contribution and after contribution?

#### Response:

- 1 a) The total length of the City of Brampton's Goreway Road Widening project is 7.1km. As
- provided in the ICM Business Case for the Brampton RZ, filed as Attachment 3, Alectra
- 3 Utilities is seeking funding for the portion of the project occurring in 2021 from Cottrelle
- 4 Boulevard to Countryside Drive. The length of this portion of the road widening is 3.5km.

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- b) Table 1 below provides the cost of the relocation per km, prior to contribution (Gross), and after contribution (Net).
- 8 Table 1 Goreway Road Widening: Countryside to Cottrelle (\$MM/km)

Gross (\$MM/km)	Net (\$MM/km)
\$0.9MM/km	\$0.6MM/km

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#### 4-EP-5

Reference: Exhibit 4, Attachment 3, Page 4, Table 1

- a) Please file a more detailed Project Scope Budget for the Goreway Drive Widening Countryside to Cottrelle relocation project that shows allocation of overheads and contingency. If there are any overhead costs charged to the project, please explain what they are and how they were estimated. If there is a contingency, please explain how it was calculated. If there is no contingency, please explain why not.
- b) Please file a detailed project schedule for the Goreway Drive Widening Countryside to Cottrelle relocation project.

#### Response:

1 a) Please see Table 1 below, for a breakdown of the 2021 Goreway Road Widening project 2 budget including any overheads and contingency. Labour burden is charged to inside labour 3 (design and construction) at a rate of 60% and 62% of the total cost of the respective labour 4 component. Material burden is charged at 15% of the total material cost. The capitalization 5 line item allocates the management costs associated with capital projects. Contingency is 6 included on the project at 10% of the total project cost and is an included in the Labour 7 Construction and Labour Burden costs at \$0.3MM. Contingency on construction projects of 8 10% is typical for the construction industry.

#### Table 1 – 2021 Goreway - Road Widening Budget Breakdown

Spend Name	Total Cost (000s)
Labour (Design)	\$99
Labour Burden (60%)	\$59
Labour (Construction)	\$708
Labour Burden (62%)	\$442
Vehicle Cost	\$333
Contractor Cost	\$458
Capitalization (8%)	\$155
Material Cost	\$861
Material Burden (15%)	\$129
TOTAL	\$3,245
CONTRIBUTIONS	(\$1,155)
NET	\$2,090

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- b) Alectra Utilities is scheduled to begin construction work on the Goreway Drive Road Widening project in March 2021, and is expected to be completed by the end of October, 2021. The overhead and underground scope of work will be completed in parallel. The scope includes: installation of new poles; installation of the overhead conductor to the new poles and removal of old poles on the overhead portion; and relocation of the underground cables and terminations. Detailed project scheduling is completed two months prior to the start of the project. However, the design process incorporates a review of the project with construction staff., and while the exact sequence executed may change, a list of project sequences required to complete the work is provided below:
  - Cottrelle Blvd to Castlemore
    - Castlemore Intersection
    - Castlemore to Luna
  - Luna to Luross
  - Luross to Cynthia
  - Cynthia to Rosegarden
    - Rosegarden to Countryside
- The work to be completed during each segment encompasses the following:

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1	•	Vacuum pole holes
2	•	Install poles
3	•	String primary conductor / Begin civil structure work
4	•	Install overhead transformers and secondary / run new underground cables
5	•	Transfer overhead services / splice and terminate cables
6	•	Remove original poles / remove original cables

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Alectra Utilities 2021 EDR Application

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#### 4-EP-6

Reference: Exhibit 4, Attachment 3, Page 7

Preamble: "Alectra Utilities forecasts that the ten-year economic evaluation of the Goreway TS expansion will result in a CCRA true-up payment of \$5.7MM to HONI in 2021."

Please file a copy of the ten-year economic evaluation forecast of the Gorway TS expansion including a list of all assumptions, calculations, and references to sources of data.

#### Response:

1 Please see Alectra Utilities' response to BRZ-Staff-21.

#### 4-EP-7

Reference: Exhibit 4, Attachment 6, page 3

- a) Please confirm that the total length of the Rutherford Road Widening relocation project is the same as the 2.8 km road widening.
- b) What the total cost of relocation per km prior to contribution and after contribution?

#### Response:

- 1 a) The total length of the City of Vaughan's Road Widening project is 6.2km. As provided in the
- 2 ICM Business Case for the PowerStream RZ, filed as Attachment 6, Alectra Utilities is seeking
- funding for the portion of the project occurring in 2021 from Bathurst Street to Peter Rupert
- 4 Avenue. The length of this portion of the road widening is 2.8km.

- b) Table 1 below provides the cost of the relocation per km, prior to contribution (Gross), and
   after contribution (Net).
- 8 Table 1 Rutherford Road Widening: Bathurst to Peter Rupert (\$MM/km)

Gross (\$MM/km)	Net (\$MM/km)
\$1.6MM/km	\$1.0MM/km

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#### 4-EP-8

Reference: Exhibit 4, Attachment 6, page 4

- a) Please file a more detailed Project Scope Budget for the Rutherford Road Widening relocation project that shows allocation of overheads and contingency. If there are any overhead costs charged to the project, please explain what they are and how they were estimated. If there is a contingency, please explain how it was calculated. If there is no contingency, please explain why not.
- b) Please file a detailed project schedule for the Rutherford Road Widening relocation project.

#### Response:

- 1 a) Please see Table 1 below, for a breakdown of the 2021 Rutherford Road Widening project 2 budget including any overheads and contingency. Labour burden is charged to inside labour 3 (design and construction) at a rate of 60% and 62% of the total cost of the respective labour 4 component. Material burden is charged at 15% of the total material cost. The capitalization 5 line item allocates the management costs associated with capital projects. Contingency is 6 included on the project at 10% of the total project cost is an included in the Labour 7 Construction and Burden costs at \$0.445MM. Contingency on construction projects of 10% is
- 8 typical for the construction industry.

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#### Table 1 – 2021 Rutherford - Road Widening Budget Breakdown

Spend Name	Total Cost (000s)
Labour (Design)	\$137
Labour Burden (60%)	\$83
Labour (Construction)	\$981
Labour Burden (62%)	\$612
Vehicle Cost	\$463
Contractor Cost	\$611
Capitalization (8%)	\$214
Material Cost	\$1,174
Material Burden (15%)	\$176
TOTAL	\$4,450
CONTRIBUTIONS	(\$1,550)
NET	\$2,900

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- b) Alectra Utilities is scheduled to begin construction work on the Rutherford Road Widening project in March 2021, and is expected to be completed by December 2021. The overhead and underground scope of work will be completed in parallel. The scope includes installation of new poles, transfer of conductor to the new poles and removal of old poles on the overhead portion, and transfer or relocation of the underground cables and terminations. Detailed project scheduling is completed two months prior to the start of the project. However, the design process incorporates a review of the project with construction staff, and while the exact sequence executed may change, a list of project sequences required to complete the work is provided below:
  - Peter Rupert to Grand Trunk
  - Grand Trunk Intersection
  - Grand Trunk to Dufferin
  - Dufferin Intersection
  - Durrerin to Crimson Forest
- Crimson Forest to Thomas Cook
  - Thomas Cook intersection
- Thomas Cook to Ilan Ramon

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1	•	Ilan Ramon to Bathurst
2	•	Bathurst intersection
3	The w	ork to be completed during each segment encompasses the following:
4	•	Vacuum pole holes
5	•	Install poles
6	•	String primary conductor / Begin civil structure work
7	•	Install overhead transformers and secondary / run new underground cables
8	•	Transfer overhead services / splice and terminate cables
9	•	Remove original poles / remove original cables