



Name of LDC: Essex Powerlines Corporation
File Number: IRM3
Effective Date: Sunday, May 01, 2011
Version : 1.0

LDC Information

Applicant Name	Essex Powerlines Corporation
OEB Application Number	IRM3
LDC Licence Number	ED-2002-0499
Applied for Effective Date	May 1, 2011
Last COS Re-based Year	2010
Last COS OEB Application Number	EB-2009-0143



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Rate Class Selection, Re-Based Billing Determinants & Current Tariff Rates

The purpose of this sheet is to set up the rate classes, enter the re-based billing determinants from your last cost of service application and enter the current service charge and volumetric distribution rates as found on your May 1, 2010 (or subsequent) Tariff of rates and charges.

Last COS Re-based Year				2010					
Last COS OEB Application Number				EB-2009-0143					
Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Current Tariff Service Charge D	Current Tariff Distribution Volumetric Rate kWh E	Current Tariff Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	25,902	271,379,498		14.51	0.0150	
GSLT50	General Service Less Than 50 kW	Customer	kWh	1,852	72,012,960		22.55	0.0074	
GSGT50	General Service 50 to 2,999 kW	Customer	kW	222	196,386,718	467,092	301.96		2.9569
GSGT50	General Service 3,000 to 4,999 kW	Customer	kW	2	36,977,053	19,537	1,995.38		1.2065
Sen	Sentinel Lighting	Connection	kW	168	390,941	1,076	2.05		5.8889
SL	Street Lighting	Connection	kW	2,643	5,929,910	18,024	1.75		4.8880
USL	Unmetered Scattered Load	Connection	kWh	151	1,605,371		8.91	0.0281	
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



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Removal of Rate Adders

The purpose of this sheet is to remove from current tariff rates any rate adders included in rates.
Most applicants will not require input on this sheet

Last COS Re-based Year

2010

Last COS OEB Application Number

EB-2009-0143

Rate Class	Current Tariff			Distribution		
	Current Tariff	Distribution	Current Tariff	Volumetric	Volumetric	Volumetric
	Service Charge A	Rate kWh B	Distribution Rate kW C	Service Charge Rate Adders D	kWh Rate Adders E	kW Rate Adders F
Residential	14.51	0.0150	0.0000	1.96	0.0002	0.0000
General Service Less Than 50 kW	22.55	0.0074	0.0000	1.96	0.0004	0.0000
General Service 50 to 2,999 kW	301.96	0.0000	2.9569	1.96	0.0000	0.1075
General Service 3,000 to 4,999 kW	1,995.38	0.0000	1.2065	1.96	0.0000	(0.6420)
Sentinel Lighting	2.05	0.0000	5.8889	0.00	0.0000	0.0206
Street Lighting	1.75	0.0000	4.8880	0.00	0.0000	0.1454
Unmetered Scattered Load	8.91	0.0281	0.0000	0.00	0.0003	0.0000



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Calculated Current Revenue From Rates

The purpose of this sheet is to calculate current revenue from rate classes

Last COS Re-based Year

2010

Last COS OEB Application Number

EB-2009-0143

Rate Class	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Current Base Service Charge D	Current Base Distribution Volumetric Rate kWh E	Current Base Distribution Volumetric Rate kW F	Service Charge Revenue *12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requirement from Rates J
Residential	25,902	271,379,498	0	12.55	0.0148	0.0000	3,900,841	4,016,417	0	7,917,258
General Service Less Than 50 kW	1,852	72,012,960	0	20.59	0.0070	0.0000	457,592	504,091	0	961,683
General Service 50 to 2,999 kW	222	196,386,718	467,092	300.00	0.0000	2.8494	799,200	0	1,330,932	2,130,132
General Service 3,000 to 4,999 kW	2	36,977,053	19,537	1,993.42	0.0000	1.8485	47,842	0	36,114	83,956
Sentinel Lighting	168	390,941	1,076	2.05	0.0000	5.8683	4,133	0	6,314	10,447
Street Lighting	2,643	5,929,910	18,024	1.75	0.0000	4.7426	55,503	0	85,481	140,984
Unmetered Scattered Load	151	1,605,371	0	8.91	0.0278	0.0000	16,145	44,629	0	60,774
							5,281,256	4,565,137	1,458,841	11,305,234



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Decision - Cost Revenue Adjustments by Rate Class

The purpose of this sheet is to input the Revenue Cost Ratios as determined from column G on Sheet "C1.5 Proposed R C Ratio Adj" of the applicants 2010 IRM3 Supplemental Filing Module or 2010 COS Decision and Order.

Under Direction the applicant can choose "No Change" - no change in that rate class ratio, "Change" - Board ordered change from COS decision, or Rebalance to apply offset adjustments to Decision prescribed rate classes.

Rate Class	Direction	Current Year 2010	Transition Year 1 2011	Transition Year 2 2012	Transition Year 3 2013	Transition Year 4 2014	Transition Year 5 2015
Residential	No Change	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
General Service Less Than 50 kW	Change	65.00%	80.00%	0.00%	0.00%	0.00%	0.00%
General Service 50 to 2,999 kW	Change	150.00%	131.60%	129.30%	127.00%	0.00%	0.00%
General Service 3,000 to 4,999 kW	Change	150.00%	131.71%	129.36%	127.00%	0.00%	0.00%
Sentinel Lighting	Change	46.00%	54.00%	62.00%	70.00%	0.00%	0.00%
Street Lighting	Change	41.00%	50.67%	60.33%	70.00%	0.00%	0.00%
Unmetered Scattered Load	No Change	120.00%	120.00%	120.00%	120.00%	120.00%	120.00%



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Revenue Offsets Allocation

The purpose of this sheet is to allocate the Revenue Offsets (miscellaneous revenue) found in the last COS to the various rate classes in proportion to the allocation from the Cost Allocation informational filing.

Rate Class	Informational Filing		Allocated Revenue Offsets
	Revenue Offsets	Percentage Split	
	A	C= A / B	E = D * C
Residential	553,422	71.92%	553,421
General Service Less Than 50 kW	101,293	13.16%	101,293
General Service 50 to 2,999 kW	91,671	11.91%	91,671
General Service 3,000 to 4,999 kW	3,026	0.39%	3,026
Sentinel Lighting	767	0.10%	767
Street Lighting	11,255	1.46%	11,255
Unmetered Scattered Load	8,021	1.04%	8,021
	769,455	100.00%	769,453
	B		D

Enter revenue offsets as found in
 Cell F47 on sheet "C1.2 Revenue
 Offsets Allocation" of the 2010 IRM3
 Supplemental Filing Module or from
 2010 COS RRWF



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Transformer Allowance

The purpose of this sheet is to remove the transformer allowance from volumetric rates.
Under Transformer Allowance in Rates select "Yes" if included in that rate class or "No" if not included.
Once selected apply the update button to reveal input cells in which you can input the number of kW's and the transformer rate for each rate class.

Rate Class	Transformer Allowance In Rate	Transformer Allowance	Transformer Allowance kW's	Transformer Allowance Rate	Volumetric Distribution Rate	Billed kW's	Adjusted Volumetric Distribution Rate
		A	C	E	F	G	$I = (F * (G - C) + (F - E) * C) / G$
Residential	No						
General Service Less Than 50 kW	No						
General Service 50 to 2,999 kW	No						
General Service 3,000 to 4,999 kW	No						
Sentinel Lighting	No						
Street Lighting	No						
Unmetered Scattered Load	No						
		B	D				
		Enter Transformer Allowance as found in Cell E47 on sheet "C1.3 Transformer Allowance" of the 2010 IRM3 Supplemental Filing Module or from 2010 COS RRWF					



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Revenue / Cost Ratio Revenue

The purpose of this sheet is to calculate revenue by rate class that includes Revenue Offsets and excludes Transformer Allowance prior to Revenue Cost Ratio Adjustment re-allocation.

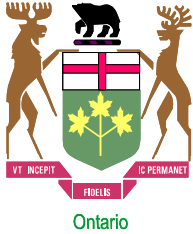
Rate Class	Billed Customers or Connections A	Billed kWh B	Billed kW C		Base Service Charge D	Base Distribution Volumetric Rate kWh E	Base Distribution Volumetric Rate kW F	Service Charge *12	Distribution Volumetric Rate kWh H = B * E	Distribution Volumetric Rate kW I = C * F	Revenue Requirement from Rates J = G + H + I
Residential	25,902	271,379,498	0	0	12.55	0.0148	0.0000	3,900,841	4,016,417	0	7,917,258
General Service Less Than 50 kW	1,852	72,012,960	0	0	20.59	0.0070	0.0000	457,592	504,091	0	961,683
General Service 50 to 2,999 kW	222	196,386,718	467,092	0	300.00	0.0000	2.8494	799,200	0	1,330,932	2,130,132
General Service 3,000 to 4,999 kW	2	36,977,053	19,537	0	1,993.42	0.0000	1.8485	47,842	0	36,114	83,956
Sentinel Lighting	168	390,941	1,076	0	2.05	0.0000	5.8683	4,133	0	6,314	10,447
Street Lighting	2,643	5,929,910	18,024	0	1.75	0.0000	4.7426	55,503	0	85,481	140,984
Unmetered Scattered Load	151	1,605,371	0	0	8.91	0.0278	0.0000	16,145	44,629	0	60,774
								5,281,256	4,565,137	1,458,841	11,305,234



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Proposed Revenue / Cost Ratio Adjustment

Rate Class	Adjusted Revenue	Current Revenue	Re-Allocated Cost	Proposed	Final Adjusted	Dollar Change	Percentage Change
	A	Cost Ratio B		Revenue Cost Ratio D	Revenue E = C * D		
			C = A / B			F = E - C	G = (E / C) - 1
Residential	\$ 8,470,678	1.00	\$ 8,470,678	1.00	\$ 8,470,678	\$ -	0.0%
General Service Less Than 50 kW	\$ 1,062,976	0.65	\$ 1,635,347	0.80	\$ 1,308,278	\$ 245,302	23.1%
General Service 50 to 2,999 kW	\$ 2,221,803	1.50	\$ 1,481,202	1.32	\$ 1,949,262	-\$ 272,541	-12.3%
General Service 3,000 to 4,999 kW	\$ 86,982	1.50	\$ 57,988	1.32	\$ 76,376	-\$ 10,606	-12.2%
Sentinel Lighting	\$ 11,214	0.46	\$ 24,378	0.54	\$ 13,164	\$ 1,950	17.4%
Street Lighting	\$ 152,239	0.41	\$ 371,314	0.51	\$ 188,133	\$ 35,895	23.6%
Unmetered Scattered Load	\$ 68,795	1.20	\$ 57,329	1.20	\$ 68,795	\$ 0	0.0%
	<u>\$ 12,074,687</u>		<u>\$ 12,098,237</u>		<u>\$ 12,074,687</u>	<u>\$ 0</u>	<u>0.0%</u>
Out of Balance -					0		
Final ?					No		



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Proposed Revenue from Revenue / Cost Ratio Adjustment

Rate Class	Adjusted Revenue By Revenue Cost Ratio A	Allocated Re- Based Revenue Offsets B	Revenue Requirement from Rates Before Transformer Allowance C = A - B	Re-based Transformer Allowance D	Revenue Requirement from Rates E = C + D
Residential	\$ 8,470,678	\$ 553,421	\$ 7,917,258	\$ -	\$ 7,917,258
General Service Less Than 50 kW	\$ 1,308,278	\$ 101,293	\$ 1,206,985	\$ -	\$ 1,206,985
General Service 50 to 2,999 kW	\$ 1,949,262	\$ 91,671	\$ 1,857,591	\$ -	\$ 1,857,591
General Service 3,000 to 4,999 kW	\$ 76,376	\$ 3,026	\$ 73,350	\$ -	\$ 73,350
Sentinel Lighting	\$ 13,164	\$ 767	\$ 12,397	\$ -	\$ 12,397
Street Lighting	\$ 188,133	\$ 11,255	\$ 176,879	\$ -	\$ 176,879
Unmetered Scattered Load	\$ 68,795	\$ 8,021	\$ 60,774	\$ -	\$ 60,774
	<u>\$ 12,074,687</u>	<u>\$ 769,453</u>	<u>\$11,305,234</u>	<u>\$ -</u>	<u>\$11,305,234</u>



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Proposed Fixed Variable Revenue Allocation

Rate Class	Revenue Requirement from Rates A	Service Charge % Revenue B	Distribution Volumetric Rate % Revenue kWh C	Distribution Volumetric Rate % Revenue kW D	Service Charge Revenue E = A * B	Distribution Volumetric Rate Revenue kWh F = A * C	Distribution Volumetric Rate Revenue kW G = A * D	Revenue Requirement from Rates by Rate Class H = E + F + G
Residential	\$ 7,917,258	49.3%	50.7%	0.0%	\$ 3,900,841	\$ 4,016,417	\$ -	\$ 7,917,258
General Service Less Than 50 kW	\$ 1,206,985	47.6%	52.4%	0.0%	\$ 574,313	\$ 632,672	\$ -	\$ 1,206,985
General Service 50 to 2,999 kW	\$ 1,857,591	37.5%	0.0%	62.5%	\$ 696,946	\$ -	\$ 1,160,645	\$ 1,857,591
General Service 3,000 to 4,999 kW	\$ 73,350	57.0%	0.0%	43.0%	\$ 41,798	\$ -	\$ 31,552	\$ 73,350
Sentinel Lighting	\$ 12,397	39.6%	0.0%	60.4%	\$ 4,904	\$ -	\$ 7,493	\$ 12,397
Street Lighting	\$ 176,879	39.4%	0.0%	60.6%	\$ 69,634	\$ -	\$ 107,244	\$ 176,879
Unmetered Scattered Load	\$ 60,774	26.6%	73.4%	0.0%	\$ 16,145	\$ 44,629	\$ -	\$ 60,774
	<u>\$ 11,305,234</u>				<u>\$ 5,304,582</u>	<u>\$ 4,693,718</u>	<u>\$ 1,306,934</u>	<u>\$ 11,305,234</u>



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Proposed Fixed and Variable Rates

Rate Class	Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Re-based Billed Customers or Connections D	Re-based Billed kWh E	Re-based Billed kW F	Proposed Base Service Charge G = A / D / 12	Proposed Base Distribution Volumetric Rate kWh H = B / E	Proposed Base Distribution Volumetric Rate kW I = C / F
Residential	\$ 3,900,841	\$ 4,016,417	\$ -	25,902	271,379,498	0	12.55	0.0148	-
General Service Less Than 50 kW	\$ 574,313	\$ 632,672	\$ -	1,852	72,012,960	0	25.84	0.0088	-
General Service 50 to 2,999 kW	\$ 696,946	\$ -	\$ 1,160,645	222	196,386,718	467,092	261.62	-	2.4848
General Service 3,000 to 4,999 kW	\$ 41,798	\$ -	\$ 31,552	2	36,977,053	19,537	1,741.60	-	1.6150
Sentinel Lighting	\$ 4,904	\$ -	\$ 7,493	168	390,941	1,076	2.43	-	6.9638
Street Lighting	\$ 69,634	\$ -	\$ 107,244	2,643	5,929,910	18,024	2.20	-	5.9501
Unmetered Scattered Load	\$ 16,145	\$ 44,629	\$ -	151	1,605,371	0	8.91	0.0278	-



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Adjustment required to Proposed Rates

Rate Class	Proposed Base			Current Base			Adjustment		
	Proposed Base Service Charge	Proposed Base Distribution	Proposed Base Distribution	Current Base Service Charge	Current Base Distribution	Current Base Distribution	Adjustment Required Base Service Charge	Adjustment Required Base Distribution	Adjustment Required Base Distribution
		Volumetric Rate kWh	Volumetric Rate kW		Volumetric Rate kWh	Volumetric Rate kW		Volumetric Rate kWh	Volumetric Rate kW
	A	B	C	D	E	F	G = A - D	H = B - E	I = C - F
Residential	\$ 12.55	\$ 0.0148	\$ -	\$ 12.55	\$ 0.0148	\$ -	\$ -	\$ -	\$ -
General Service Less Than 50 kW	\$ 25.84	\$ 0.0088	\$ -	\$ 20.59	\$ 0.0070	\$ -	\$ 5.25	\$ 0.0018	\$ -
General Service 50 to 2,999 kW	\$ 261.62	\$ -	\$ 2.4848	\$ 300.00	\$ -	\$ 2.8494	-\$ 38.38	\$ -	-\$ 0.3646
General Service 3,000 to 4,999 kW	\$ 1,741.60	\$ -	\$ 1.6150	\$ 1,993.42	\$ -	\$ 1.8485	-\$ 251.82	\$ -	-\$ 0.2335
Sentinel Lighting	\$ 2.43	\$ -	\$ 6.9638	\$ 2.05	\$ -	\$ 5.8683	\$ 0.38	\$ -	\$ 1.0955
Street Lighting	\$ 2.20	\$ -	\$ 5.9501	\$ 1.75	\$ -	\$ 4.7426	\$ 0.45	\$ -	\$ 1.2075
Unmetered Scattered Load	\$ 8.91	\$ 0.0278	\$ -	\$ 8.91	\$ 0.0278	\$ -	\$ -	\$ -	\$ -

Enter the above values onto Sheet
 "D1.X Revenue Cost Ratio Adj"
 of the 2011 OEB IRM3 Rate Generator.