



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		12.55	0.0148	
GSLT50	General Service Less Than 50 kW	Customer	kWh	1,852	72,012,960		20.59	0.0070	
GSGT50	General Service 50 to 2,999 kW	Customer	kW	222	196,386,718	467,092	300.00		2.8494
GSGT50	General Service 3,000 to 4,999 kW	Customer	kW	2	36,977,053	19,537	1,993.42		1.8485
Sen	Sentinel Lighting	Connection	kW	168	390,941	1,076	2.05		5.8683
SL	Street Lighting	Connection	kW	2,643	5,929,910	18,024	1.75		4.7426
USL	Unmetered Scattered Load	Connection	kWh	151	1,605,371		8.91	0.0278	
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		Current Tariff		Distribution	
	Service	Distribution	Distribution	Service	Volumetric	Volumetric
	Charge	Rate kWh	Rate kW	Charge	kWh Rate	kW Rate
	A	B	C	D	E	F
Residential	12.55	0.0148	0.0000	0.00	0.0000	0.0000
General Service Less Than 50 kW	20.59	0.0070	0.0000	0.00	0.0000	0.0000
General Service 50 to 2,999 kW	300.00	0.0000	2.8494	0.00	0.0000	0.0000
General Service 3,000 to 4,999 kW	1,993.42	0.0000	1.8485	0.00	0.0000	0.0000
Sentinel Lighting	2.05	0.0000	5.8683	0.00	0.0000	0.0000
Street Lighting	1.75	0.0000	4.7426	0.00	0.0000	0.0000
Unmetered Scattered Load	8.91	0.0278	0.0000	0.00	0.0000	0.0000



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Calculated Current Revenue From Rates

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

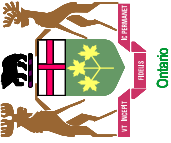
Last COS Re-based Year

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	Transition	Transition	Transition	Transition	Transition	Transition
		Year 2010	Year 1 2011	Year 2 2012	Year 3 2013	Year 4 2014	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	Rebalance	150.00%	tbd	tbd	tbd	tbd	tbd	
General Service 3,000 to 4,999 kW	Rebalance	150.00%	tbd	tbd	tbd	tbd	tbd	
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	
	Revenue Offsets	Percentage Split	Offsets	
	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



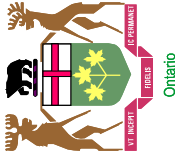
Name of LDC: **Essex Powerlines Corporation**
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Effective Date: **Sunday, May 01, 2011**
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Transformer Allowance

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	Yes	78,810	131,350	0.6000	2.8494	467,092	2.6807
General Service 3,000 to 4,999 kW	No						
Sentinel Lighting	No						
Street Lighting	No						
Unmetered Scattered Load	No						
		B	D			H	
		78,810	131,350			467,092	

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

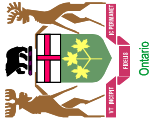


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Revenue / Cost Ratio Revenue

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.

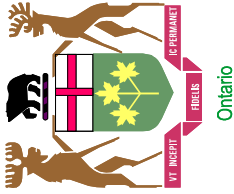
Rate Class	Billed Customers or Connections	Base Distribution					Distribution				
		Base Service Charge			Base Volumetric		Distribution Volumetric			Distribution Requirement from Rates	
		Billed kWh	Billed kW	D	E	F	Rate kWh	Rate kW	H = B * E	I = C * F	J = G + H + I
Residential	25,902	271,379,498	0	0	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	2.6807	799,200	0	1,252,122	2,051,322
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	1,380,031	11,226,424



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Proposed Revenue / Cost Ratio Adjustment

Rate Class	Current Revenue		Proposed		Dollar Change F = E - C	Percentage Change G = (E / C) - 1
	Adjusted Revenue A	Cost Ratio B	Re-Allocated Cost C = A / B	Revenue Cost Ratio D		
Residential	\$ 8,470,678	1.00	\$ 8,470,678	1.00	\$ -	0.0%
General Service Less Than 50 kW	\$ 1,062,976	0.65	\$ 1,635,347	0.80	\$ 245,302	23.1%
General Service 50 to 2,999 kW	\$ 2,142,993	1.50	\$ 1,428,662	1.31	\$ 272,103	-12.7%
General Service 3,000 to 4,999 kW	\$ 86,982	1.50	\$ 57,988	1.31	\$ 11,044	-12.7%
Sentinel Lighting	\$ 11,214	0.46	\$ 24,378	0.54	\$ 1,950	17.4%
Street Lighting	\$ 152,239	0.41	\$ 371,314	0.51	\$ 35,895	23.6%
Unmetered Scattered Load	\$ 68,795	1.20	\$ 57,329	1.20	\$ 0	0.0%
	\$ 11,995,877		\$ 12,045,697		\$ -	0.0%
Out of Balance				Final Adjusted Revenue E = C * D	0	0.0%
Final ?				Yes		



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Proposed Revenue from Revenue / Cost Ratio Adjustment

Rate Class	Adjusted Revenue By		Allocated Re-		Revenue Requirement from Rates		Revenue Requirement from Rates E = C + D
	Ratio	Cost	Based Revenue	Offsets	Before Transformer Allowance	Re-based Transformer Allowance	
	A		B		C = A - B	D	
Residential	\$ 8,470,678	\$	\$ 553,421	\$ 7,917,258	\$ 7,917,258	\$ -	\$ 7,917,258
General Service Less Than 50 kW	\$ 1,308,278	\$	\$ 101,293	\$ 1,206,985	\$ 1,206,985	\$ -	\$ 1,206,985
General Service 50 to 2,999 kW	\$ 1,870,890	\$	\$ 91,671	\$ 1,779,219	\$ 1,779,219	\$ 78,810	\$ 1,858,029
General Service 3,000 to 4,999 kW	\$ 75,938	\$	\$ 3,026	\$ 72,912	\$ 72,912	\$ -	\$ 72,912
Sentinel Lighting	\$ 13,164	\$	\$ 767	\$ 12,397	\$ 12,397	\$ -	\$ 12,397
Street Lighting	\$ 188,133	\$	\$ 11,255	\$ 176,879	\$ 176,879	\$ -	\$ 176,879
Unmetered Scattered Load	\$ 68,795	\$	\$ 8,021	\$ 60,774	\$ 60,774	\$ -	\$ 60,774
	\$ 11,995,877	\$	\$ 769,453	\$ 11,226,424	\$ 11,226,424	\$ 78,810	\$ 11,305,234



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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 kWh D	Service Charge Revenue E = A * B	Distribution Volumetric Rate Revenue kWh F = A * C	Distribution Volumetric Rate Revenue kWh 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	\$ 1,858,029	37.5%	0.0%	62.5%	\$ 697,110	\$ -	\$ 1,160,919	\$ 1,858,029
General Service 3,000 to 4,999 kW	\$ 72,912	57.0%	0.0%	43.0%	\$ 41,548	\$ -	\$ 31,363	\$ 72,912
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
	\$ 11,305,234				\$ 5,304,496	\$ 4,693,718	\$ 1,307,020	\$ 11,305,234



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Proposed Fixed and Variable Rates

Rate Class	Service Charge Revenue A	Distribution Volumetric Rate Revenue		Re-based Billed Customers or Connections D	Re-based Billed kWh E	Re-based Billed kW F	Proposed Base Distribution Volumetric Rate kWh		Proposed Base Distribution Volumetric Rate kW	
		B	C				H = B / E	G = A / D / 12	I = C / F	
Residential	\$ 3,900,841	\$ 4,016,417	\$ -	25,902	271,379,498	0	0.0148	12.55	-	-
General Service Less Than 50 kW	\$ 574,313	\$ 632,672	\$ -	1,852	72,012,960	0	0.0088	25.84	-	-
General Service 50 to 2,999 kW	\$ 697,110	\$ -	\$ 1,160,919	222	196,386,718	467,092	-	261.68	2.4854	2.4854
General Service 3,000 to 4,999 kW	\$ 41,548	\$ -	\$ 31,363	2	36,977,053	19,537	-	1,731.19	1.6053	1.6053
Sentinel Lighting	\$ 4,904	\$ -	\$ 7,493	168	390,941	1,076	-	2.43	6.9638	6.9638
Street Lighting	\$ 69,634	\$ -	\$ 107,244	2,643	5,929,910	18,024	-	2.20	5.9501	5.9501
Unmetered Scattered Load	\$ 16,145	\$ 44,629	\$ -	151	1,605,371	0	0.0278	8.91	-	-



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Adjustment required to Proposed Rates

Rate Class	Proposed Base			Current Base			Adjustment		
	Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Required Base Service Charge	Required Base Distribution Volumetric Rate kWh	Adjustment Required Base Distribution 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	\$ 261.68	\$ -	\$ 2.4854	\$ 300.00	\$ -	\$ 2.8494	\$ 38.32	\$ -	\$ 0.3640
General Service 3,000 to 4,999 kW	\$ 1,731.19	\$ -	\$ 1.6053	\$ 1,993.42	\$ -	\$ 1.8485	\$ 262.23	\$ -	\$ 0.2432
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.