

4

# Revenue Requirement Workform (RRWF) for 2016 Filers

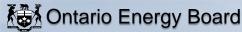


M	-	~~
Version	<b>b.</b>	00

Utility Name	Innisfil Hydro Distribution Systems Limited	
Service Territory		
Assigned EB Number	EB-2016-0086	
Name and Title	Brenda Pinke, Manager Regulatory and CDM	
Phone Number	705-431-4321	
Email Address	bpinke@innpower.com	

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.

While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.



# Revenue Requirement Workform (RRWF) for 2016 Filers

<u>1. Info</u>	<u>6. Taxes_PILs</u>
2. Table of Contents	7. Cost_of_Capital
3. Data_Input_Sheet	8. Rev_Def_Suff
4. Rate_Base	9. Rev_Reqt
5. Utility Income	10. Tracking Sheet

#### Notes:

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.
- (5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel

### **Revenue Requirement Workform** (RRWF) for 2016 Filers

### Data Input (1)

		Initial Application	(2)			(6)	Per Board Decision	
1	Rate Base Gross Fixed Assets (average) Accumulated Depreciation (average) Allowance for Working Capital:	\$68.200.889 (\$9,200,495)	(5)	\$	68,200,889 (\$9,200,495)		\$68,200,889 (\$9,200,495)	
	Controllable Expenses Cost of Power Working Capital Rate (%)	\$7,487,100 \$33,510,688 7.50%	(9)	\$ \$	7,487,100 33,510,688 7.50%	(9)	\$7,487,100 \$33,510,688 7.50%	(9)
2	Utility Income Operating Revenues:							
	Distribution Revenue at Current Rates Distribution Revenue at Proposed Rates Other Revenue:	\$12,345,007 \$12,863,960						
	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$173,300 \$80,300 \$1,348,744 \$ -						
	Total Revenue Offsets	\$1,602,344	(7)					
	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Other expenses	\$7,361,400 \$3,254,557 \$125,700		\$ \$ \$	7,361,400 3,254,557 125,700		\$7,361,400 \$3,254,557 \$125,700	
3	Taxes/PILs							
	Taxable Income: Adjustments required to arrive at taxable income	(\$1,787,181)	(3)					
	Utility Income Taxes and Rates: Income taxes (not grossed up)	\$131,097						
	Income taxes (grossed up) Federal tax (%) Provincial tax (%) Income Tax Credits	\$178,363 15.00% 11.50%						
4	Capitalization/Cost of Capital							
	Capital Structure: Long-term debt Capitalization Ratio (%) Short-term debt Capitalization Ratio (%) Common Equity Capitalization Ratio (%) Prefered Shares Capitalization Ratio (%)	56.0% 4.0% 40.0%	(8)			(8)		(8)
	Cost of Capital Long-term debt Cost Rate (%) Short-term debt Cost Rate (%) Common Equity Cost Rate (%) Prefered Shares Cost Rate (%)	3.52% 1.65% 9.19%						

Notes:

General Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

(1)

- All inputs are in dollars (\$) except where inputs are individually identified as percentages (%) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use colimn M and Adjustments in column I (2)
- (2) (3) (4) (5) (6) Net of addbacks and deductions to arrive at taxable income.
- Average of Gross Fixed Assets at beginning and end of the Test Year
- Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (7) (8) (9) 4.0% unless an Applicant has proposed or been approved for another amount.
- The default Working Capital Allowance factor is 7.5% (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.

## Contario Energy Board Revenue Requirement Workform (RRWF) for 2016 Filers

### **Rate Base and Working Capital**

Line No.	Rate Base Particulars		Initial Application				Per Board Decision
		-	Application				Decision
1	Gross Fixed Assets (average)	(3)	\$68,200,889	\$ -	\$68,200,889	\$ -	\$68,200,889
2	Accumulated Depreciation (average)	(3)	(\$9,200,495)	\$ -	(\$9,200,495)	\$ -	(\$9,200,495)
3	Net Fixed Assets (average)	(3)	\$59,000,393	\$ -	\$59,000,393	\$ -	\$59,000,393
4	Allowance for Working Capital	(1)	\$3,074,834	\$ -	\$3,074,834	<u> </u>	\$3,074,834
5	Total Rate Base	=	\$62,075,227	\$ -	\$62,075,227	\$ -	\$62,075,227

### (1) Allowance for Working Capital - Derivation

6 7 8	Controllable Expenses Cost of Power Working Capital Base		\$7,487,100 <u>\$33,510,688</u> \$40,997,788	\$ - \$ - \$ -	\$7,487,100 \$33,510,688 \$40,997,788	\$ - \$ - \$ -	\$7,487,100 \$33,510,688 \$40,997,788
9	Working Capital Rate %	(2)	7.50%	0.00%	7.50%	0.00%	7.50%
10	Working Capital Allowance		\$3,074,834	\$ -	\$3,074,834	\$ -	\$3,074,834

#### Notes (2)

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2016 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015. Alternatively, a utility could conduct and file its own lead-lag study.

(3) Average of opening and closing balances for the year.

### Revenue Requirement Workform (RRWF) for 2016 Filers

### **Utility Income**

(1)

Line No.	Particulars	Initial Application				Per Board Decision
1	Operating Revenues: Distribution Revenue (at Proposed Rates)	\$12,863,960	(\$12,863,960)	\$ -	\$ -	\$ -
2	Other Revenue	(1) \$1,602,344	(\$1,602,344)	<u> </u>	<u> </u>	\$ -
3	Total Operating Revenues	\$14,466,303	(\$14,466,303)	\$	<u> </u>	\$
4 5 6 7 8 9 10	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense Subtotal (lines 4 to 8) Deemed Interest Expense	\$7,361,400 \$3,254,557 \$125,700 \$ - \$ - \$ 1,264,398	\$- \$- \$- \$- \$- \$- (\$1,264,398)	\$7,361,400 \$3,254,557 \$125,700 \$- \$10,741,657 \$-	\$- \$- \$- \$- \$- \$- \$-	\$7,361,400 \$3,254,557 \$125,700 \$- \$10,741,657 \$- \$40,741,657
11	Total Expenses (lines 9 to 10) Utility income before income	\$12,006,055	(\$1,264,398)	\$10,741,657	\$	\$10,741,657
12	taxes	\$2,460,248	(\$13,201,905)	(\$10,741,657)	<u> </u>	(\$10,741,657)
13	Income taxes (grossed-up)	\$178,363	\$	\$178,363	\$ -	\$178,363
14	Utility net income	\$2,281,885	(\$13,201,905)	(\$10,920,020)	<u> </u>	(\$10,920,020)
Notes	Other Revenues / Reve	nue Offsets				

Total Revenue Offsets	\$1,602,344	\$ -	\$ -	\$ -	\$ -
Other Income and Deductions	\$ -		\$ -		\$ -
Other Distribution Revenue	\$1,348,744		\$ -		\$ -
Late Payment Charges	\$80,300		\$ -		\$ -
Specific Service Charges	\$173,300		\$ -		\$ -

## Revenue Requirement Workform (RRWF) for 2016 Filers

### Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$2,281,885	\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	(\$1,787,181)	\$ -	(\$1,787,181)
3	Taxable income	\$494,704	<u> - </u>	(\$1,787,181)
	Calculation of Utility income Taxes			
4	Income taxes	\$131,097	\$131,097	\$131,097
6	Total taxes	\$131,097	\$131,097	\$131,097
7	Gross-up of Income Taxes	\$47,266	\$47,266	\$47,266
8	Grossed-up Income Taxes	\$178,363	\$178,363	\$178,363
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$178,363	\$178,363	\$178,363
10	Other tax Credits	\$ -	\$ -	\$ -
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes

## Revenue Requirement Workform (RRWF) for 2016 Filers

### Capitalization/Cost of Capital

Line No.	Particulars	Capitaliz	ation Ratio	Cost Rate	Return
		Initial A	pplication		
		(%)	(\$)	(%)	(\$)
	Debt	50.000/	<b>001 700 107</b>	0.500/	<b>\$1,000,100</b>
1 2	Long-term Debt Short-term Debt	56.00% 4.00%	\$34,762,127 \$2,483,009	3.52% 1.65%	\$1,223,429 \$40,970
2	Total Debt	60.00%	\$37,245,136	3.39%	\$1,264,398
			+,		
	Equity				
4	Common Equity	40.00%	\$24,830,091	9.19%	\$2,281,885
5	Preferred Shares	0.00%	\$ -	0.00%	<u>\$-</u>
6	Total Equity	40.00%	\$24,830,091	9.19%	\$2,281,885
7	Total	100.00%	\$62,075,227	5.71%	\$3,546,284
			+ - / /		+ - / / -
		(%)	(\$)	(%)	(\$)
	Debt	(,,,)	(+)	()-)	(+)
1	Long-term Debt	0.00%	\$ -	0.00%	\$ -
2	Short-term Debt	0.00%	\$ -	0.00%	\$ -
3	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity				
4	Common Equity	0.00%	\$ -	0.00%	\$ -
5	Preferred Shares	0.00%	\$ -	0.00%	\$-
6	Total Equity	0.00%	\$ -	0.00%	\$ -
7	Total	0.00%	\$62,075,227	0.00%	\$ -
			<u> </u>		<u>`</u>
		Per Boar	d Decision		
		(0.1)		(24)	
	Dabt	(%)	(\$)	(%)	(\$)
8	Debt Long-term Debt	0.00%	\$ -	3.52%	\$ -
9	Short-term Debt	0.00%	φ - \$ -	1.65%	\$ - \$ -
10	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity	0.000/	<u>م</u>	0.400/	•
11 12	Common Equity Preferred Shares	0.00% 0.00%	\$ - \$ -	9.19% 0.00%	\$ - \$ -
12	Total Equity	0.00%	<u> </u>	0.00%	<u> </u>
15	rotal Equity	0.0070	- <del>-</del>	0.0070	- φ
14	Total	0.00%	\$62,075,227	0.00%	\$ -
					<u></u>

Notes (1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use colimn M and Adjustments in column I

## Revenue Requirement Workform (RRWF) for 2016 Filers

#### **Revenue Deficiency/Sufficiency**

		Initial Appli	cation			Per Board D	ecision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$12,345,007 \$1,602,344	\$518,953 \$12,345,007 \$1,602,344	\$12,345,007 \$ -	<mark>(\$2,247,708)</mark> \$15,111,667 \$ -	\$ - \$ -	\$10,741,657 (\$10,741,657) \$ -
4	Total Revenue	\$13,947,350	\$14,466,303	\$12,345,007	\$12,863,960	\$ -	\$ -
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$10,741,657 \$1,264,398 \$12,006,055	\$10,741,657 \$1,264,398 \$12,006,055	\$10,741,657 <u>\$ -</u> <u>\$10,741,657</u>	\$10,741,657 \$ - \$10,741,657	\$10,741,657 <u>\$-</u> \$10,741,657	\$10,741,657 <u>\$ -</u> \$10,741,657
9	Utility Income Before Income Taxes	\$1,941,295	\$2,460,248	\$1,603,350	\$2,122,303	(\$10,741,657)	(\$10,741,657)
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$1,787,181)	(\$1,787,181)	(\$1,787,181)	(\$1,787,181)	\$ -	\$ -
11	Taxable Income	\$154,114	\$673,067	(\$183,831)	\$335,122	(\$10,741,657)	(\$10,741,657)
12 13	Income Tax Rate Income Tax on Taxable Income	26.50% \$40,840	26.50% \$178,363	26.50% (\$48,715)	26.50% \$88,807	26.50% (\$2,846,539)	26.50% (\$2,846,539)
14 15	Income Tax Credits Utility Net Income	<u>\$ -</u> \$1,900,455	\$ - \$2,281,885	<u>\$ -</u> \$1,652,065	\$ - (\$10,920,020)	<u>\$ -</u> (\$7,895,118)	\$ - (\$10,920,020)
16	Utility Rate Base	\$62,075,227	\$62,075,227	\$62,075,227	\$62,075,227	\$62,075,227	\$62,075,227
17	Deemed Equity Portion of Rate Base	\$24,830,091	\$24,830,091	\$ -	\$ -	\$ -	\$ -
18	Income/(Equity Portion of Rate Base)	7.65%	9.19%	0.00%	0.00%	0.00%	0.00%
19	Target Return - Equity on Rate Base	9.19%	9.19%	0.00%	0.00%	0.00%	0.00%
20	Deficiency/Sufficiency in Return on Equity	-1.54%	0.00%	0.00%	0.00%	0.00%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	5.10% 5.71%	5.71% 5.71%	2.66% 0.00%	0.00% 0.00%	-12.72% 0.00%	0.00% 0.00%
23	Deficiency/Sufficiency in Rate of Return	-0.61%	0.00%	2.66%	0.00%	-12.72%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$2,281,885 \$381,430 \$518,953 <b>(1)</b>	\$2,281,885 \$ -	\$ - (\$1,652,065) (\$2,247,708) <b>(1)</b>	\$ - \$ -	\$- \$7,895,118 \$10,741,657 <b>(1)</b>	\$ - \$ -

Notes: (1)

Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)

# Revenue Requirement Workform (RRWF) for 2016 Filers

### **Revenue Requirement**

Line No.	Particulars	Application			Per Board Decision	
1 2	OM&A Expenses Amortization/Depreciation	\$7,361,400 \$3,254,557		\$7,361,400 \$3,254,557	\$7,361,400 \$3,254,557	
3	Property Taxes	\$125,700		\$125,700	\$125,700	
5	Income Taxes (Grossed up)	\$178,363		\$178,363	\$178,363	
6	Other Expenses	\$ -				
7	Return					
	Deemed Interest Expense	\$1,264,398		\$ -	\$ -	
	Return on Deemed Equity	\$2,281,885		\$ -	<u> </u>	
8	Service Revenue Requirement					
	(before Revenues)	\$14,466,303		\$10,920,020	\$10,920,020	
9 10	Revenue Offsets Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)	\$1,602,344 \$12,863,960		\$ - \$10,920,020	\$ - \$10,920,020	
11	Distribution revenue	\$12,863,960		\$ -	\$ -	
12	Other revenue	\$1,602,344		\$	\$-	
13	Total revenue	\$14,466,303		\$ -	\$ -	
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	\$	(1)	(\$10,920,020)	<b>(1)</b> <u>(\$10,920,020)</u>	(1)
Notes						

(1) Line 11 - Line 8

### Contario Energy Board Revenue Requirement Workform (RRWF) for 2016 Filers

#### **Tracking Form**

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.) Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated. <sup>(2)</sup> Short reference to evidence, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ Industry Relations @ontarioenergyboard.ca.

#### Summary of Proposed Changes

Return on Capital     Rate of Return     Allowance (\$)     Depreciation     Revenue Requirement     Revenue Requirement			Cost of	Capital	Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
	Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Return on	Rate of	Rate Base	Working Capital			Taxes/PILs	OM&A	Revenue			
Unginal Application 3 3,340,264 3.71% 3 02,013,227 3 40,397,706 3 3,074,654 3 5,254,357 3 176,563 3 7,301,400 3 14,400,303 3 1,002,344 3		Original Application	\$ 3,546,284	5.71%	\$ 62,075,227	\$ 40,997,788	\$ 3,074,834	\$ 3,254,557	\$ 178,363	\$ 7,361,400	\$ 14,466,303	\$ 1,602,344	\$ 12,863,960	\$ 518,95