

Assets- High/Very High Risk Trend

Transformers

Rated High/Very High Risk
(EB-2014-0140)

Risk Category	Percentage
Very Low Risk	59%
Low Risk	29%
Fair Risk	4%
High Risk	4%
Very High Risk	4%

Figure 10: Transformer Fleet Condition Assessment

Ref: EB-2014-0140, Exhibit D1, Tab 2, Schedule 1, Page 14 of 68 (Figure 10)

Total: 722 (Ex B1-2-6 Page 2)

High & Very High Risk: 8% of 722 = 58

8% (58)

Rated High/Very High Risk
(EB-2016-0160)

Risk Category	Percentage
Very Low Risk	45%
Low Risk	31%
Fair Risk	9%
High Risk	13%
Very High Risk	2%

Figure 5: Transformer Fleet Condition Assessment

Ref: Exhibit B1, Tab 2, Schedule 6, Page 7 of 66 (Figure 5)

Total: 721

High & Very High Risk: 110 (I-03-030-01)

15% (110)

Ontario Energy Board	
FILE No.	<u>EB-2016-0160</u>
EXHIBIT No.	<u>K7.1</u>
DATE	_____
08/99	

Circuit breakers

Rated High/Very High Risk

(EB-2014-0140)

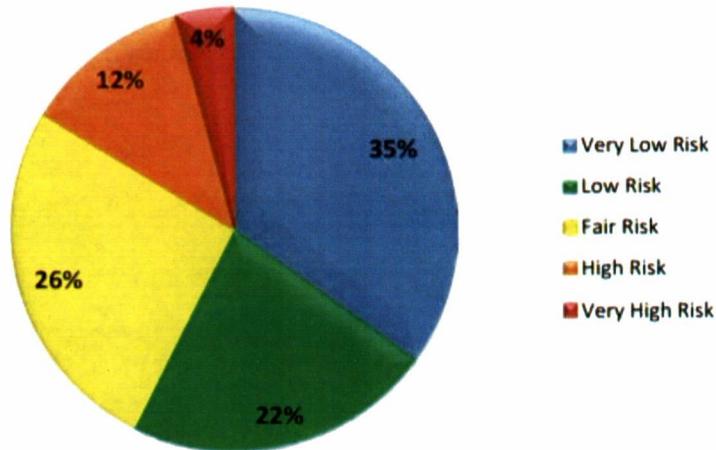


Figure 16: Circuit Breaker Fleet Condition Assessment

Ref: EB-2014-0140, Exhibit D1, Tab 2, Schedule 1, Page 23 of 68

Total: **4,604** (EB-2014-0140 Ex. D1-2-1 Page 16)

High & Very High Risk: 16% of 4604 → **737**

16% (737)

Rated High/Very High Risk

(EB-2016-0160)

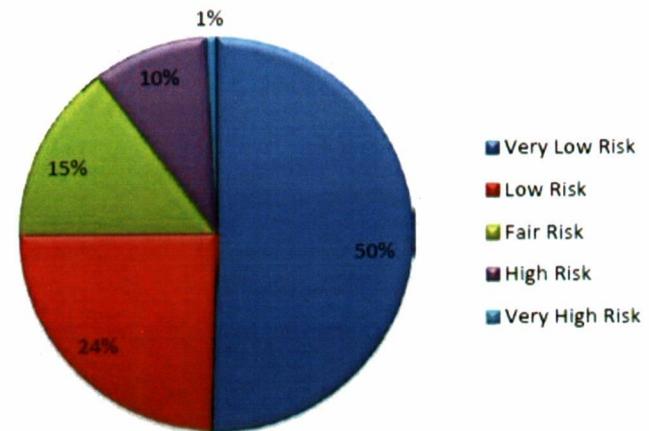


Figure 11: Circuit Breaker Fleet Condition Assessment

Ref: Exhibit B1, Tab 2, Schedule 6, Page 16 of 66 (Figure 11)

Total: **4,543** (Ex B1-2-6 Page 10)

High or Very High Risk: **469** (I-03-030-01)

11% (469)

Protection systems

Rated High/Very High Risk

(EB-2014-0140)

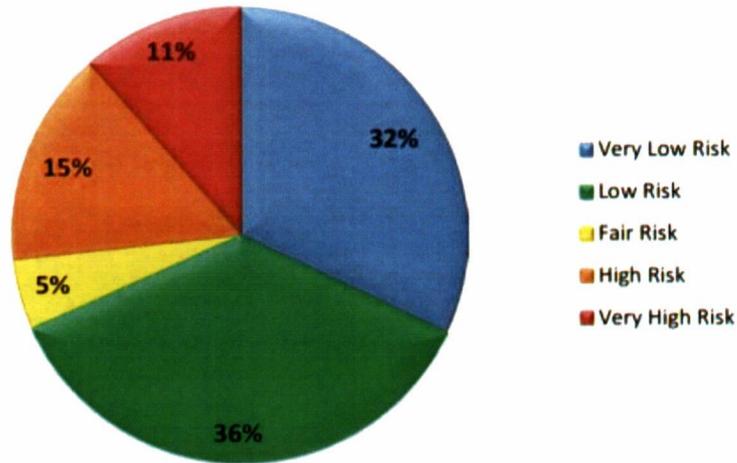


Figure 22: Protection Systems Fleet Condition Assessment

Ref: EB-2014-0140, Exhibit D1, Tab 2, Schedule 1, Page 34 of 68 (Figure 22)

Total: **12,135** (EB-2014-0140 Ex. D1-2-1 Page 26)

High & Very High Risk: 26% of 12,135 = **3,155**

26% (3,155)

Rated High/Very High Risk

(EB-2016-0160)

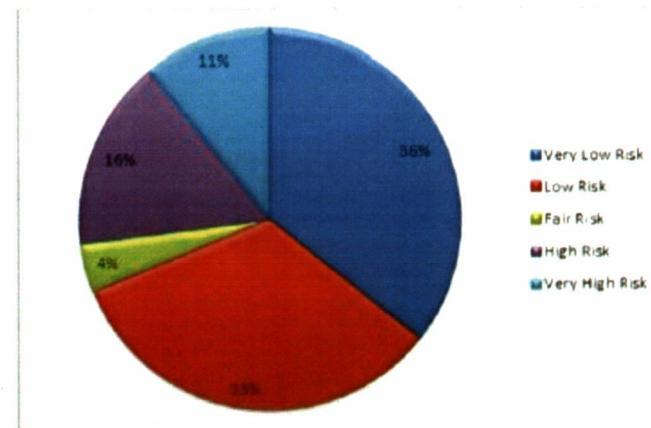


Figure 18: Protection Systems Fleet Condition Assessment

Ref: Exhibit B1, Tab 2, Schedule 6, Page 28 of 66 (Figure 18)

Total: **12,103** (Ex B1-2-6 Page 21)

High & Very High Risk: **3,265** (I-03-030-01)

27% (3,265)

Conductors

Rated High/Very High Risk

(EB-2014-0140)

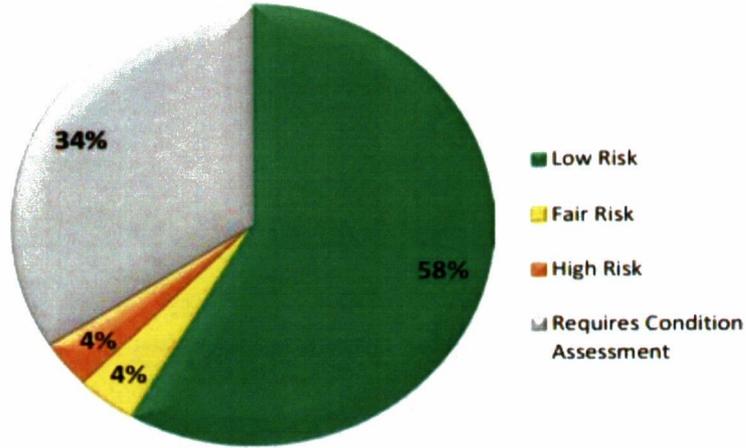


Figure 28: Conductor Fleet Condition Assessment

Ref: EB-2014-0140, Exhibit D1, Tab 2, Schedule 1, Page 42 of 68 (Figure 28)

Total: 30,000 km (EB-2014-0140 Ex. D1-2-1 Page 37)

High Risk: 4% of 30,000 = 1,200

***Needs Assessment: 34% of 30,000 = 10,200**

4% (1,200)

Rated High/Very High Risk

(EB-2016-0160)

Distribution of Transmission Conductor Risk

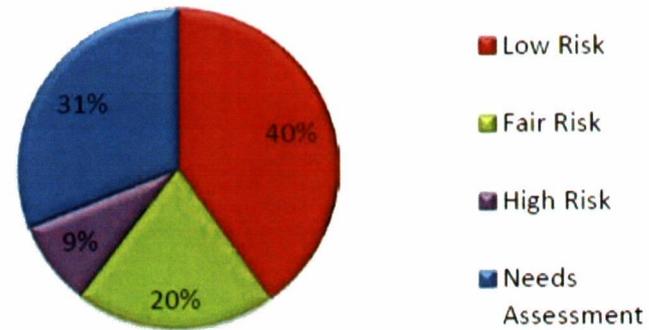


Figure 24: Conductor Fleet Condition Assessment

Ref: Exhibit B1, Tab 2, Schedule 6, Page 36 of 66 (Figure 24)

Total: 30,000 km (Ex B1-2-6 Page 32 of 66)

High Risk: 2,700 (I-03-030-01)

***Needs Assessment: 31% of 30,000 = 9,300**

9% (2,700)