



ELECTRICAL CONTRACTORS ASSOCIATION OF OTTAWA

THE ATTACHED IS THE COST OF A MANHOUR OF ELECTRICAL LABOUR
FOR PRICING CHANGE ORDERS, OR ADDITIONAL WORK ORDERS ON
FIXED PRICE CONTRACTS.

EFFECTIVE MAY 1, 2018

**CHANGE ORDER COST GUIDELINE
ECA OTTAWA**

Item 1 - Base Rate

As per collective agreement \$44.17

Item 2 - Vacation and Statutory Holiday Pay

As per collective agreement \$ 4.42 \$48.59

Item 3 - Union Deductions

As per collective agreement

- Health and Welfare \$ 3.65
- HST on H&W \$ 0.47
- Pension \$ 8.73
- Union Funds \$ 2.50
- ECA Funds \$ 0.49 \$15.84

Item 4 - Legislated Payroll Burden

- Employer Health Tax
1.95% of \$48.59 \$ 0.94
- Employment Insurance
2.324% of \$48.59 \$ 1.13
- Workplace Safety & Insurance Board
3.15% of \$48.59 \$ 1.53
- Canada Pension Plan
4.95% of \$48.59 \$ 2.40 \$ 6.00

Personal Emergency Leave (2 Days)

$$\frac{16 \text{ Hrs} \times 70.43}{1800} = \$0.62 \quad \$ 6.62$$

Item 5 - Rest Periods

- 15 minutes every 4 hours over and above
minimum break at work station \$ 7.25 \$7.25

$$\frac{15 \times 2 \times \$71.05}{294}$$

294

Item 6 - Other Burden

•	Expendable Small Tools - Based on a survey of ECA members 8% of \$71.05	\$ 5.68	
•	Insurance - Based on a survey of ECA members 2.5% of labour costs \$71.05	\$ 1.78	
•	Electrical clean-up 15 minutes per day <u>15 minutes X \$71.05</u> 294	\$ 3.62	
•	Finance - interest charges over and above traditional rates 1 % of labour costs (\$71.05)	\$ 0.71	
•	Site Facilities - trailer/lunchroom services, communication equipment <u>\$1500 X 12</u> 18,000	\$ 1.00	
•	On-site time-keeping/scheduling - Based on a survey of ECA members <u>13 minutes X \$71.05</u> 294	\$ 3.14	
•	Excessive material handling - Based on a survey of ECA members <u>23 minutes X \$71.05</u> 294	\$ 5.56	
•	Personal hygiene - 1/3 hour per day per worker <u>20 minutes X 71.05</u> 294	\$ 4.83	\$26.32

Item 7 – Mandated Training

•	Mandated training - 5 hours @ <u>\$600.00</u> 50 weeks @ 36.hrs = 1800	\$ 0.33	
•	Job site mandated training talks - I hr. per week <u>12 minutes x \$71.05</u> 294	\$ 2.90	
•	WHMIS Information 1/4 hour per week <u>03 minutes X \$71.05</u> 294	\$ 0.73	
•	Health & Safety Committee - one worker in five be appointed to committee - 3 hrs. per wk. <u>07 minutes X \$71.05</u> 294	\$ 1.69	

- Personal protection equipment - glasses, vests, fall protection, hearing, etc.
 $\frac{\$125.00 \text{ per month} \times 12}{1800}$ \$ 0.83
- Escalating site safety procedures
 $\frac{15 \text{ minutes} \times \$71.05}{294}$ \$3.63 \$ 10.11

Total lost productivity minutes
 7.2 hours per day X 60 minutes = 432 - 138 = 294
 daily productivity minutes per worker

Item 8 - Parking

As per the Collective Agreement \$15.00 per day of 7.2 hours \$ 2.08

Item 9 - Clean-Up

In accordance with the Ottawa Construction Association recommended standard practice \$ 0.70

SUMMARY

Items

1.	Base Rate	\$ 44.17
2.	Vacation Pay and Statutory Holidays	\$ 4.42
3.	Union Deductions	\$ 15.35
4.	ECA Funds	\$ 0.49
5.	Legislative Payroll Burden	\$ 6.62
6.	Rest Periods	\$ 7.25
7.	Other Burden	\$ 26.32
8.	Mandated Training	\$ 10.11
9.	Parking	\$ 2.08
10.	Clean-up	<u>\$ 0.70</u>
		\$117.51

PLUS: Site Foreman

Site Foreman costs vary from 12% to 20% above the electrical personnel rate as per the collective agreement. Project complexity and manpower requirements may warrant additional fees being applied.

PLUS: Job Expenses

Equipment, cartage and freight, permits, estimating, drafting, auto cad, as build, commissioning, temporary services, clerk, project manager, disposal, inspection, travel, security

PLUS: Overhead and profit*

20% for work of own force
15% for work of subcontractor

* As per CCA 16 - Guidelines for Determining the Costs Associated for Performing Changes in the Work

PLUS: Impact/Productivity Costs

Impact costs are those generated by changes in the work order over and above the costs of the changes that affect the productivity of the rest of the project. Impact costs may arise out of each change or through the cumulative impact of charges.

ECA Ottawa recommends the use of the Labour Adjustment Chart as contained in the NECA Manual of Labour Units (See Appendix A).