|  |  | Trim1 | Trim2 | Trim3 | Trim4 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| II. Materials M\&S |  |  |  |  |  |
|  |  |  |  |  |  |
| Number of Coils Copper Cost Per Meter |  | 6 | 12 | 6 | 12 |
|  |  | \$28 | \$28 | \$28 | \$28 |
| copper cost per coil | \$ | \$526 | \$345 | \$627 | \$382 |
| misc matl - ${ }^{\text {p }}$ per lb of Cu in coils | 2.0 | \$/kg | \$/kg | \$/kg | \$/kg |
| glass insul width | mm | 25.4 | 25.4 | 25.4 | 25.4 |
| turn insul.: length/meter of cond./layer | $\mathrm{m} / \mathrm{m}$ | 2.05 | 2.05 | 2.05 | 2.05 |
| turn ins. Tape Thickness | mm | 0.19 | 0.19 | 0.19 | 0.19 |
| No. half lapped layers | \# | 2 | 2 | 2 | 2 |
| meters of ins. /roll | m | 182.00 | 182.00 | 182.00 | 182.00 |
| no. rolls/coil | \# | 0.8 | 0.6 | 1.0 | 0.6 |
| insulation waste factor | multiplier | 1.3 | 1.3 | 1.3 | 1.3 |
| total rolls of turn ins. reqd.per coil | \# | 1.1 | 1.4 | 2.6 | 1.6 |
| turn insulation cost per roll | \$/roll | 728 | 728 | 728 | 728 |
| insul width | mm | 25.4 | 25.4 | 25.4 | 25.4 |
| turn insul. length/meter of cond./layer | $\mathrm{m} / \mathrm{m}$ | 2.05 | 2.05 | 2.05 | 2.05 |
| turn ins. Tape Thickness | mm | 0.19 | 0.19 | 0.19 | 0.19 |
| No. half lapped layers | \# | 2 | 2 | 2 | 2 |
| meters of ins. /roll | m | 182.00 | 182.00 | 182.00 | 182.00 |
| no. rolls/coil | \# | 0.8 | 0.6 | 1.0 | 0.6 |
| insulation waste factor | multiplier | 1.3 | 1.3 | 1.3 | 1.3 |
| total rolls of turn ins. reqd N Coils | \# | 6.5 | 8.6 | 7.9 | 9.6 |
| turn insulation cost per roll | \$/roll | 728 | 728 | 728 | 728 |
| turn insulation cost per coil | \$ | \$787 | \$524 | \$954 | \$581 |
| Length of Kapton | m | 38 | 25 | 46 | 28 |
| Cost per Meter of Kapton | \$/m | 1.26 | 1.26 | 1.26 | 1.26 |
| Kapton Cost per Coil | \$ | \$48 | \$32 | \$58 | \$35 |
| ground wall tape thickness | mm | 0.38 | 0.38 | 0.38 | 0.38 |
| No. half lapped layers | \# | 4.00 | 4.00 | 4.00 | 4.00 |
| total ground wall thick. | mm | 3.04 | 3.04 | 3.04 | 3.04 |
| ground wall tape width | cm | 6 | 6 | 6 | 6 |
| gw tape length reqd. | m | 35 | 24 | 43 | 26 |
| meters of ins. /roll | m | 10 | 10 | 10 | 10 |
| no. rolls/coil | \# | 4 | 2 | 4 | 3 |
| insulation waste factor | multiplier | 1.30 | 1.30 | 1.30 | 1.30 |
| no. rolls of GW insulation, for all coils | \# | 28 | 37 | 34 | 41 |
| GW tape cost per roll | \$ | 50 | 50 | 50 | 50 |
| GW insulation cost per coil | \$ | \$231 | \$154 | \$280 | \$170 |
| Epoxy volume reqd. (15\% void fraction) | I | 0.57 | 0.38 | 0.70 | 0.42 |
| Epoxy cost/liter | \$/1 | 150 | 150 | 150 | 150 |
| Epoxy cost per coil | \$ | \$86 | \$57 | \$105 | \$64 |
|  |  | 0 | 0 | 0 | 0 |
|  |  | \$0 | \$0 | \$0 | \$0 |
| Material Costs Inuslation per Coil |  | \$1,151 | \$735 | \$1,338 | \$815 |
| Material Cost Including Copper Condutor per Coil |  | \$1,676 | \$1,080 | \$1,965 | \$1,197 |
| Material Costs Inuslation Total |  | \$6,904 | \$8,823 | \$8,027 | \$9,776 |
| Material Cost Including Copper Condutor Total |  | \$10,057 | \$12,959 | \$11,791 | \$14,359 |

Everson Budgetary Estimate

| Total Material Cost All Trim Coils |  |
| :--- | :--- |
| Manufacturing Cost per Coil Everson Estimate |  |
| Total Cost for Fixtures |  |
| Recurring Costs for $N$ Coils |  |
| Total Cost For $N$ Coils |  |
| Total Cost All Coils |  |

Everson Budgetary Estimate (adjusted for uncertainty)
Everson Budgetary Estimate (adjusted for uncertainty)

| Total Material Cost All Trim Coils |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Manufacturing Cost from Everson Budgetary Estimate |  |  |  |  |  |
| Total Cost for Fixtures |  |  |  |  |  |
| Recurring Costs for N Coils |  |  |  |  |  |
| Total Cost For N Coils |  |  |  |  |  |
| Total Cost All Coils |  |  |  |  |  |

