



I.D.O.T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS

| TYPE           | NO. OF LAMPS | WATTAGE   |     | x % OPERATION | TOTAL WATTAGE |
|----------------|--------------|-----------|-----|---------------|---------------|
|                |              | x INCAND. | LED |               |               |
| SIGNAL (RED)   | 14           |           | 8   | 0.65          | 72.80         |
| (YELLOW)       | 14           |           | 19  | 0.04          | 10.64         |
| (GREEN)        | 14           |           | 11  | 0.45          | 69.30         |
| ARROW (RED)    | 0            |           | 5.5 | 0.00          | 0.00          |
| (YELLOW)       | 10           |           | 9   | 0.03          | 2.70          |
| (GREEN)        | 10           |           | 5.5 | 0.15          | 8.25          |
| HAND LED       | 6            |           | 9   | 0.90          | 48.60         |
| PERSON LED     | 6            |           | 7   | 0.10          | 4.20          |
| COUNTDOWN LED  | 2            |           | 5   | 0.10          | 10.00         |
| LOOP DETECTION | 9            |           | 3   | 1.00          | 27.00         |
| UPS SYSTEM     | 1            |           | 50  | 1.00          | 50.00         |
| CONTROLLER     | 1            |           | 100 | 1.00          | 100.00        |
| STREET LIGHT   | 0            |           | 400 | 1.00          | 0.00          |
|                |              |           |     |               | 403.49        |

ENERGY COSTS TO: VILLAGE OF GLEN ELLEN

ENERGY SUPPLY: CONTACT: JOE STACHO  
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COMPANY: COMED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.