

LED Traffic Signals

TRAFFIC SIGNAL PROGRAM

The table below illustrates estimated energy and cost savings for typical LED traffic signal uses.

| Signal Type | Annual Energy Savings | Annual Energy Cost Savings* | Avista Incentive |
|--------------------------|-----------------------|-----------------------------|------------------|
| Small Pedestrian Signals | 498 kWh | \$27 | \$35 |
| Large Pedestrian Signals | 851 kWh | \$47 | \$45 |
| 8" green signal | 245 kWh | \$13 | \$35 |
| 8" red signal | 289 kWh | \$16 | \$25 |
| green signal | 494 kWh | \$27 | \$55 |
| red signal | 548 kWh | \$30 | \$30 |
| green arrow | 111 kWh | \$6 | \$10 |
| red arrow | 401 kWh | \$22 | \$25 |
| green arrow | 224 kWh | \$12 | \$30 |
| red arrow | 808 kWh | \$45 | \$30 |

*Based on approximately 5.5 cents per kWh

To apply for incentives please complete a LED Traffic Signal Retrofit Incentive Agreement. Incentives are paid upon completion of the project.

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1L exist. Incand (any color)
135W

max LED watt
yellow 20-25
red 10-12

$$135 - 16 = 119W$$

$$1042 \text{ kWh/yr}$$

$$M = 350 / \text{lamp}$$

1L specs include E*

Decatur
bid → GE, Dialight brands
3-4 other vendors

LED modules not on
labor / bucket truck / 2 people

\$10,000 = complete intersection

509 495 8198

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