



City & Borough of Sitka

# Electric Department

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## Sitka's Power Supply Status

**The signal is green - electric energy use is unrestricted.**

**Effective January 22, 2010 until further notice.**



The latest load analysis predicts adequate hydroelectric energy for the next few months. However, the margin is very thin. If there are any large load increases or our spring rainfall is less than normal, we could be facing a generation shortage that must be supplemented with diesel generation.

Although we will keep the system status Green, we encourage all customers to help keep our system demand as low as possible by conserving electrical energy at all times. This will substantially assist in reducing or eliminating the need to operate supplemental diesel generation as we progress into the drier months of the year. Remember, lake levels are declining and will not begin filling until warm weather and a reduction in system load occurs late spring.

Please check the Sitka Electric Department's web page for monthly updates on the system power supply status.

<http://cityofsitka.com/dept/electric/elecidx.htm>.

For other energy news, our streetlight pilot project continues and following is the month of December energy consumption data for the 4 test fixtures. These fixtures are installed along Lincoln Street adjacent to the Crescent Harbor parking lot and are labeled A, B, C, & D. We will continue to collect data and will make a final determination on fixture type in March 2010. We would like to hear from you on your thoughts about light quality and final street light selection.

Fixture Label	A	B	C	D
Fixture Type	Magnetic Induction	LED – SL50	LED - DS42	High Pressure Sodium
Energy Usage – Dec (kWh)	46	57	40	92
Estimated Emissions – Lbs/Month <sup>1</sup>	37	46	32	74
Monthly Cost of Operation	\$4.60	\$5.70	\$4.00	\$9.20
Fixture Cost (Each)	\$451	\$748	\$698	\$122

1: [www.epa.gov](http://www.epa.gov)