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Visit the Zender project website:
<http://zendergroup.org/cedp.html>**



Council of Athabascan Tribal Governments



**Project: From Fluorescent to
LED Lighting
Grant Award: \$9,980.00**



Funding provided by Zender through the Community Environmental Demonstration Grant Program made possible with the Alaska Tribal Multi-Media Grant from the US EPA.



Project Description:

CATG received a CEDP to rewire lighting fixtures to replace CFL Lamps with LED Lamps in 2-3 residential homes and 1 community facility in 3 villages in the Yukon Flats Region.

Why this Project will assist Other Tribes:

Most homes are currently being led with CFL Lamp fixtures. CFL lamps have mercury ingredients that when energized will create the lightning for these CFL lamps. Mercury is considered toxic and dangerous to human health. Alaska Tribe's landfills are unlined and often subject to open burning. Discarded lights result in certain mercury release via several pathways. Removing this product from residential homes and commercial facilities will reduce the health hazards from mercury and still provide a positive lighting environment and reduces energy costs.

How this Project will assist Other Tribes:

This project will help communities understand new lighting products that are now available to help residential and commercial users reduce their energy expenses that are safe both to handle in the home and dispose in local landfills where there is limited management oversight. Residents will be exposed to the community facility on a regular basis and see for themselves how well these lights work. They will hear by word of mouth and visit the residential homes, and CATG will conduct outreach on the cost and health benefits to the communities and their region. Outreach materials and information on the most effective education avenues will be available to all Alaska Tribes.

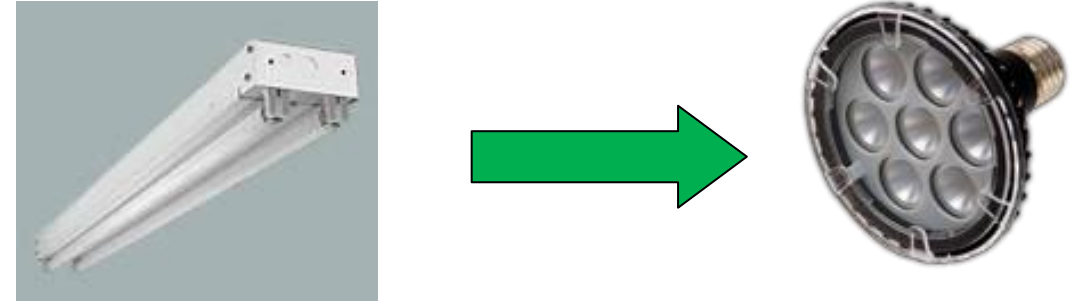
Results:

- The residential and Tribal Office that converted to LED shown significant reduction in energy used.

Lessons Learned:

- Need a longer time to educate the households and convince them about new technology that may require some modifications in their homes.

CATG From Flourescent to LED Lighting



CATG Service Area Map:

