



## Representative Doug Isaacson

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### **Sponsor Statement House State Affairs Committee Bill 372**

#### **“An Act extending the termination date of the emerging energy technology fund and grant program.”**

Alaskans are plagued by some of the highest energy prices in the nation. In 2010 the Alaska State Legislature created the Emerging Energy Technology Fund (EETF) to provide support for energy demonstration projects which may have a reasonable expectation of becoming commercially viable within five years and are designed to test emerging energy technologies or methods of conserving energy, improve an existing energy technology, or deploy an existing technology that has not previously been demonstrated in Alaska.

Energy technology includes renewables, energy conservation and efficiency, hydrocarbons, enabling technologies and integrated systems. EETF applications are evaluated on technical merit and subject to review by both the Alaska Energy Authority and advisory committee.

EETF funding priorities are given to Alaska entities, projects demonstrating post-secondary partnerships, matching funds or in-kind commitments, or demonstration of potential for widespread deployment. Since the EETF was created fifteen projects have received EETF funding:

- Ultra-Efficient Generators and Diesel Electric Propulsion (Kodiak)
- Arctic Field Testing of the Eocycle Wind Turbine (Kotzebue)
- RivGen Power System Commercialization Project (Nikiski, Igiugig)
- High Efficiency Diesel Electric Generator Set (Anchorage, Fairbanks)
- Oceana In-Stream Hydrokinetic Device Evaluation (Nenana)
- High Capacity Airborne Wind Turbine (Fairbanks)
- Biomass Reforestation of Boreal Forests (Palmer and Delta)
- Small Community Self-Regulating Grid (Tuntutuliak)
- Enhanced condensation for Organic Rankine Cycle (Fairbanks)
- BRI Cyclo-Turbine Energy Production (Igiugig)
- Composite Flywheels (Fairbanks)
- Wind-Diesel Batter Hybrid (Kwigillingok)
- Arctic Thermal Shutters & Doors (Fairbanks)
- Safe and Efficient Exhaust Thimble (Fairbanks)
- Cold Climate Heat Pump Demonstration (Fairbanks)

Of the \$8.9 million in the EETF \$4.3 million are federal funds from the Denali Commission. Now, more than ever, it is essential the state continue leveraging its limited funding to assist with energy projects throughout Alaska. Over \$2 million EETFs are available for emerging energy projects. AEA is slated to make awards soon.

Continued support of the EETF will provide the funding resources necessary to assess the viability of the proposed energy projects. Since the energy crisis in Alaska remains unresolved it is imperative the state lead the way to resolving the critical energy issues throughout Alaska. I ask for your support to extending the termination date of the EETF and grant program.