

Hello!

On behalf of everyone at REAP, I hope you all had a wonderful holiday season. 2012 was a great year for renewable energy and energy efficiency in Alaska, and we hope 2013 is just as successful. This month we have information about our next clean energy forum as well as Alaska's top 15 clean energy accomplishments in 2012. So please read ahead and find out more.

Happy New Year!
Katie

Alaska's Top 15 Clean Energy Accomplishments in 2012

2012 was a great year for renewable energy and energy efficiency in Alaska. From Fire Island and Eva Creek to increased state funding for energy efficiency programs, we made great progress in clean energy last year. Below are our Top 15 Clean Energy Accomplishments for 2012.

Here's to 2013 being another successful year for clean energy in Alaska!



- **[Renewable Energy Grant Fund Extended:](#)** The Alaska Legislature re-authorized the State's Renewable Energy Grant Fund for another ten years, extending it to 2023. The re-authorization legislation also included intent language to appropriate \$50 million a year to the Fund for each of the ten years. Since 2008 the Fund has helped finance 227 renewable energy projects in the state with over \$200 million in legislative appropriations.
- **[Weatherization and Home Energy Rebate Program Funded:](#)** The Alaska Legislature appropriated \$51.5 million to AHFC's Weatherization and Home Energy Rebate Programs.
- **[Fire Island Wind Farm Commissioned:](#)** The Fire Island Wind Farm off the coast of Anchorage began operating in the fall of 2012. The 17.6 MW project developed by Cook Inlet Region Incorporated (CIRI) is composed of eleven 1.6 MW turbines and now generates about 4% of Chugach Electric Association's power needs.
- **[Eva Creek Wind Farm Commissioned:](#)** As of late October, Golden Valley Electric Association's Eva Creek wind project is up and running. The twelve 2.02 MW turbines combine for a 24.3 MW generation capacity, making Eva Creek the largest wind farm in the state.
- **[Senate Bill 25 Passed:](#)** In April the Alaska Legislature passed SB 25 which establishes a dedicated energy loan fund through the Alaska Industrial Development and Export Authority (AIDEA). Among other uses, the fund will be available to commercial building owners to finance energy efficiency retrofits.
- **[Kodiak Wind Farm Expanded:](#)** In early September, Kodiak Electric Association finished installing three more 1.5 MW wind turbines on Pillar Mountain, doubling the total size of the wind farm to 9 MW. Combined with a new battery energy storage system, the additional units are expected to displace over 900,000 gallons of diesel annually.
- **[Ocean Renewable Power Company:](#)** In August, REAP member Ocean Renewable Power Company made history by developing the nation's first commercial tidal project in Northern Maine. ORPC is currently using similar technology on a pilot project in Alaska's Cook Inlet.
- **[Statewide Energy Policy Director Named:](#)** In July the Alaska Energy Authority named former State Senator and REAP Board Member Gene Therriault to fill the new position of Deputy Director for Statewide Energy Policy Development.
- **[Landfill Gas Project Commissioned:](#)** In July officials powered up the state's first methane power plant at the Anchorage Landfill. The 5.6 MW project, which captures methane coming off the landfill, will offset power usage for Fort Richardson, providing up 80 percent of the base's power during the summer and 55 percent in the winter.
- **[SeaLife Center Heat Pump Commissioned:](#)** The Alaska SeaLife Center in Seward commissioned the nation's northernmost seawater heat pump system. The project taps heat from the ocean floor and is expected to displace about \$15,000 worth of heating fuel annually.
- **[UAF Sustainable Village:](#)** In September experts at the Cold Climate Research Center constructed and opened the Sustainable Village on the University of Alaska Fairbanks campus. Consisting of four different student housing units, the project is testing various cold climate building materials and energy efficiency technologies to determine what energy saving building designs work best in the Interior's extreme climate.
- **[Business of Clean Energy in Alaska \(BCEA\) Conference:](#)** In April, REAP hosted its 4th annual BCEA conference. The event drew over 300 participants and national energy experts. It featured keynote speakers Admiral Dennis McGinn of the American Council on Renewable Energy (ACORE) and Randy Udall of the Association for the Study of Peak Oil-USA.
- **[Alaska Renewable Energy Fair:](#)** In August REAP hosted its 8th annual Alaska Renewable Energy Fair on the Anchorage parkstrip. The event drew over 2,500 participants and featured 20 clean energy workshops, live music and local food.
- **[Great Alaska Energy Challenge:](#)** In 2012 REAP hosted the first annual Great Alaska Energy Challenge, a competition where similar facilities take measures to see who can lower their energy use the most. The ten participants shaved over \$40,000 off their energy costs and reduced CO2 emissions by over 500,000 lbs!
- **[AK EnergySmart:](#)** In 2012 REAP joined the Alaska Center for Energy and Power (ACEP) to launch AK EnergySmart, a K-12 curriculum promoting energy efficiency. This summer REAP and ACEP staff traveled across the state to meet with teachers and provide workshops on the curriculum.

January Forum

Alaska Energy Update

Join us on Wednesday, January 9th from 6:00 to 8:00 pm at the Anchorage Museum Auditorium for another installment of our FREE Clean Energy Lecture Series. Chris Rose, Executive Director of [Renewable Energy Alaska Project \(REAP\)](#) will give an update on current energy projects, programs and policy in Alaska. His presentation will include the outlook for future renewable energy and energy efficiency development in the state, and highlight REAP's education efforts for the 2013-2014 Legislative Session. Not in Anchorage, but still want to attend the forum? Click [HERE](#) to register for our live Webinar!



2012-2013 Clean Energy Lecture Series

Join REAP on the second Wednesday of each month for our FREE Clean Energy Forums. Experts from across the state will present on various topics including renewable energy technology, energy efficiency, and clean energy policy in Alaska.

Click [HERE](#) for a complete list of forum dates and topics.