



Tribal Energy Summit

Wednesday, September 23, 2015

**Hyatt Regency Washington on Capitol Hill, Washington, D.C.
Deputy Under Secretary for Rural Development, Lillian Salerno**

“USDA is working to expand energy opportunities by producing alternative forms of energy and fuel, and to ensure that we are doing the research necessary to allow agriculture to transition away from its rather significant dependence on fossil fuels.”

Tom Vilsack
Agriculture Secretary



- \$105 million loan guarantee
- 10.5 MGY MSW and agricultural residues to aviation fuel
- Relieve pressure on existing and future landfills, 187,000 tons per year MSW
- Stimulates economic growth and creates approx. 100 permanent FT jobs in Northern Nevada.





3 Generation Family Owned Company

2,240 panel,
502 kilowatt solar array

- \$2,307,447 Total Cost
- \$1,230,585 REAP Loan Guarantee
- \$1,076,862 Applicant Funds



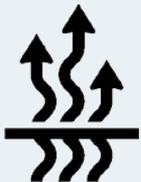
Displaces 51 percent of electricity consumption



Photo courtesy: MICHAEL PATRICK/NEWS SENTINEL

Lumber company rebuilding after a fire.

Geothermal heating and cooling system



- \$164,400 Total Cost
- \$41,000 REAP Grant
- \$123,400 Applicant Funds

40% reduction in energy costs



Entirely self-developed application!



Eligible Applicants

Agricultural Producers



- Individual or entity that receives 50 percent or more of their gross income from agricultural production – crops, livestock, aquaculture, forestry operations, nurseries, dairies

Rural Small Businesses



- Privately owned for-profit small business - as defined by the Small Business Administration (SBA)
- Rural area or non-metro community of $\leq 50,000$ - see the [USDA Income and Property Eligibility Website](#)

Eligible Technologies

Eligible Technologies			
	Energy Efficiency		Small Hydroelectric (≤ 30 MW)
	Biomass/ Bioenergy		Wind
	Anaerobic Digesters		Solar
	Geothermal		Ocean

The technology must be commercially available.
 Research and development projects do not qualify for REAP.



Nursery



Energy efficient glass roof, radiant heat, fans, vents, & computerized controls



- \$287,855 Total Cost
- \$71,964 REAP Grant
- \$100,000 REAP Guarantee
- \$115,891 Commercial Loan



40% reduction in energy costs





Renewable Energy



Small Energy Company & Dairy Farmers

1 MW Anaerobic digester



- \$4.15 Million Total Cost
- \$100,000 REAP Grant
- \$2.65 Million REAP Guarantee

Powers 700 homes/year



Lender friendly program

REAP rule modifications allow USDA to provide --

- Grant Program improvements:
 - Applications accepted year-round;
 - Consistent, reliable application deadlines/competition cycles;
 - Streamlined application process.
- Guaranteed Loan Program improvements:
 - Applications accepted year-round;
 - On-going/year-round awards/approval process;
 - Require 8 applications submitted to commence awards.

Strengthening our Partnership

- Personally committed to strengthening our partnership with tribal entities
- State Directors & RD Field structure
USDA's crown jewels
- Synergies between RD programs