

# Rentricity Introduces Renewable Energy AgriPower (REAP): A Groundbreaking Clean Energy Solution for Large-Scale Farms

*Empowering Farms and Communities with Sustainable Energy and Water Management Solutions*

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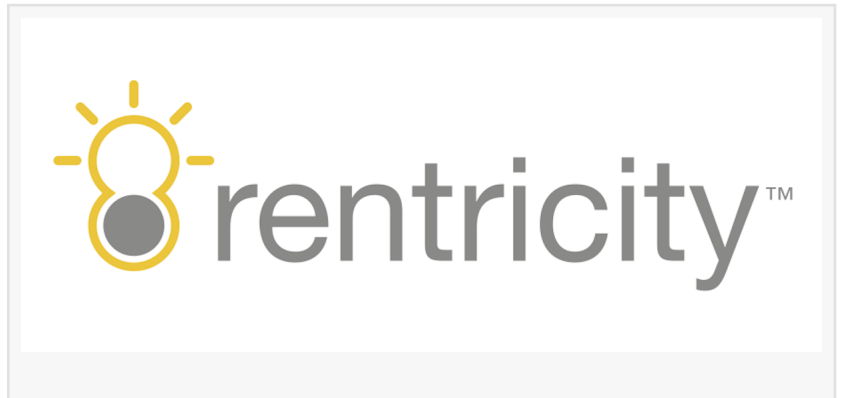
EINPresswire.com/ -- Today marks the Rentricity launch of Renewable Energy AgriPower™ (REAP™), an innovative clean energy solution specifically

designed for large-scale farming enterprises utilizing gravity-fed center-pivot irrigation systems. REAP represents a transformative approach to energy recovery, enabling farms to generate clean, renewable electricity from their existing infrastructure, substantially reducing operational costs, enhancing water-use efficiency, and supporting local grid resilience.



These projects not only showcase our commitment to sustainability but also provide a replicable model for other agricultural enterprises looking to adopt clean energy solutions.”

*Simon Martinez, General Manager, Ute Tribe Farm and Ranch Enterprise*



REAP introduces an innovative method to harness wasted energy from gravity-fed irrigation water, converting it into clean electricity. Optimized for seasonal adaptability, REAP captures energy during peak irrigation periods, providing a sustainable source of power for farms while contributing to the local electrical grid. By integrating REAP into their operations, farms can align with broader water-use efficiency and sustainability initiatives, maximizing resource utilization and promoting environmentally responsible practices.

Key Features of REAP:

- [Innovative Energy Recovery](#): Utilizes wasted energy from gravity-fed irrigation water, converting it into renewable electricity.
- **Seasonal Adaptability**: Designed for peak irrigation periods, maximizing energy recovery when it is needed most.

- **Integrated System:** Easily integrates with existing center-pivot irrigation infrastructure, requiring minimal modifications.
- **Sustainable Farming Practices:** Reduces dependence on external energy sources and enhances water-use efficiency, promoting sustainable agricultural practices.
- **Grid Support:** Surplus energy can be fed back into the local grid, enhancing community energy resilience.

**Benefits of REAP:**

- **Cost Savings:** Substantially reduces energy expenses, boosting farm profitability.
- **Environmental Impact:** Decreases greenhouse gas emissions, supporting sustainability goals.
- **Energy Security:** Provides a reliable source of renewable energy, reducing exposure to energy price fluctuations.
- **Water-Use Efficiency:** Enhances overall water management practices by leveraging irrigation systems for dual purposes—crop hydration and energy generation.
- **Community Contribution:** Strengthens local energy infrastructure by feeding clean energy into the grid, benefiting the wider community.



Rentricity REAP Turbine & Control Configuration



Ute Tribe Farm & Ranch Enterprise REAP Powerhouse

"We are excited to introduce REAP, a cutting-edge solution that not only benefits farmers by reducing operational costs but also aligns with critical water-use efficiency and sustainability goals," said Al Spinell, COO Rentricity. "By harnessing energy, typically wasted by valves, in irrigation water, REAP provides a unique opportunity for agricultural enterprises to maximize resource efficiency, achieve sustainability targets, and contribute positively to the local grid." REAP is poised to transform the agricultural energy landscape, providing a powerful tool for farms to enhance their sustainability practices, optimize water use, reduce costs, and support their communities with clean, renewable energy. Read more about Rentricity's first REAP enterprise-wide project for the [Ute Mountain Ute Farm and Ranch Enterprise](#) in August of this year. The Ute Farm and Ranch Enterprise [Case Study](#) is also available for download.

## About Rentricity

Rentricity, the premier In-conduit Hydropower Company, is committed to developing innovative, sustainable energy solutions that empower farms and communities to thrive. With a focus on cutting-edge technology, water-use efficiency, and environmental stewardship, Rentricity is at the forefront of the clean energy revolution.

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