

As detailed on its website, the project will encompass roughly 20 acres and include a fleet of 210 mass cars, which are essentially train cars situated on a closed set of 10 multi-rail tracks.

These cars will act as batteries, providing a storage solution for the electrical grid.



A groundbreaking was held last week for the project, the first of what ARES has branded as GravityLine energy storage facilities. This one will generate up to 50 megawatts of stored electricity for 15 minutes in 30-minute cycles, enough to ???



Founded in 2010, Advanced Rail Energy Storage (ARES) has developed, tested and patented rail-based, gravity-powered energy storage technologies that are more environmentally responsible, durable, and cost-effective than other utility-scale storage alternatives.

RAIL ENERGY STORAGE





Advanced Rail Energy Storage (ARES) uses proven rail technology to harness the power of gravity, providing a utility-scale storage solution at a cost that beats batteries. ARES" highly efficient electric motors drive mass cars uphill, converting electric power to mechanical potential energy.



ARES Nevada is developing a 50MW GravityLine TM merchant energy storage facility on approximately 20 acres at Gamebird Pit, a working gravel mine in Pahrump, Nevada. This project will employ a fleet of 210 mass cars, weighing a combined 75,000 tons, operating on a closed set of 10 multi-rail tracks.



The decade-long quest of two Seattle businessmen and the team of prominent investors they have attracted to create a unique new method for generating renewable energy is about to bear fruit in the form of rock-filled rail cars plying a Southern Nevada mountain.

RAIL ENERGY STORAGE





He has completed a vast array of high-profile projects ranging from solar farms and aviation projects to large conservation projects. He is deeply focused on advancing green energy technologies and designing with sustainability and conservation in mind.



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GROUND BREAKS ON PAHRUMP ENERGY STORAGE FACILITY. ARES Nevada, an affiliate of Advanced Rail Energy Storage (ARES), has announced the groundbreaking for its first GravityLineTM merchant energy storage facility.