

# Bluewater Renewable Energy Storage Project

Lake Elsinore and San Jacinto Watersheds Authority (LESJWA)

August 18, 2022

LAKE ELSINORE & SAN JACINTO  
WATERSHEDS AUTHORITY



City of Lake Elsinore • City of Canyon Lake • County of Riverside  
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

# What Hasn't Changed?

- Location – Lake Elsinore and Decker Canyon
- Power - 500 megawatts of renewable energy to store surplus solar and wind for peak and overnight demand
- Annual funding – to stabilize lake water level
- Technology - "Nature's Battery", pumped hydro storage



# What Has Changed?

- New Name - Bluewater Renewable Energy Storage Project
- New Ownership – Bluewater Renewable Energy LLC  
(Owner of Nevada Hydro Company)
- New Leadership
- New Project Configuration



# New Ownership, Values and Commitments

Bluewater Renewable Energy LLC (Bluewater) is a female, minority-owned renewable energy company, committed to accelerating the energy transition by providing sustainable clean energy to the world.

Bluewater is committed to being the most valued energy partner through:

- Integrity
- Respect for the communities where we live and work
- Respect for diversity, inclusivity, and the environment that sustains us

These values are the Bluewater Renewable Energy Storage Project; ensuring benefits are shared, that the project is sustainable for the environment and for the local community for the long term.

Practically what does this mean for the project and for Lake Elsinore?

- Do what we say, be honest, open and transparent
- Partner with the community for the long term and provide all the support we can
- Ensure the long-term health and viability of the waters of Lake Elsinore



Geeta Sankappanavar,  
Majority Owner & Chair

# New Leadership

## David Pfeiffer

President & CEO

Bluewater Renewable Energy LLC

Former President of TC Energy's Coastal GasLink

Former Vice-President of TC Energy's Mexico Expansion Projects

Civil Engineer and Commercial Developer with 25 years of Major Infrastructure Project Experience



# New Leadership

## Paul Anderson

Vice President, Sustainability

Bluewater Renewable Energy LLC

Former President of RPS Energy Canada

Former President of HMA Land Services and Maverick Land

Environmental and Regulatory Expert with 30 years of Major Infrastructure Project Experience



# New Project Configuration

- Relocated the northern 12 mile 500 kV transmission line out of the Cleveland National Forest to an 8 mile urban route on the edges of the City of Lake Elsinore
- Reduced line voltage from 500 to 230 kV to enable buried or underground installation where practical
- Removed the southern 20 mile 500 kV line from the project



# New Project Configuration

- Maintain “optimal” level of Lake Elsinore at 1,240 feet with water purchase and annual contributions
- Oxygenate the water on return from the upper reservoir to Lake Elsinore
- Propose a new or enhanced water treatment facility to improve the quality of reclaimed water and the quality of Lake Elsinore
- Propose to support EVMWD in water sourcing initiatives (e.g. expansion of water wells or other initiatives)
- Increase the capacity of the upper reservoir from 5,750 acre-feet to 7,000 acre feet, to store additional water to maintain lake levels during extreme drought and to mitigate rare flood events (e.g. Feb 2019)



# What's Next?

- Engage key stakeholders to work through issues of concern, for example:
  - Cities, municipalities and towns in the vicinity of the Project
  - Water districts, water authorities and water agencies
  - Indigenous tribes
  - Regulatory agencies
  - State and federal government representatives
  - Key stakeholders
  - Other potentially affected stakeholders and stakeholder groups
- Final License Application to be resubmitted this fall with new configuration





Questions?

A large, white, sans-serif font question mark is positioned in the lower-left quadrant of the image. The background is a scenic aerial view of a lake and hills. The lake is a vibrant blue-green, surrounded by hills with varying vegetation, from dry, golden-brown slopes to green, forested areas. In the distance, a range of mountains is visible under a clear blue sky. The overall composition suggests a presentation slide.