The Pyramid Lake Solution

How to Grow the Economy, Jobs and Energy

with

Wind, Solar and Geothermal

High Desert GeoCulture / Western Biofuels Development 890 Schellbourne Street Reno, Nevada 89511
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Nevada Challenges

- Diversify Core Industries
- Expand Revenue Base
- Provide Jobs
- Maintain affordable electricity supplies
- Improve balance of trade (U.S. & State)
- Preserve the Environment

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Analysis of Potential Resources

- Step 1 – High Resolution Photography
- Step 2 – Chemical analysis of surface features
- Step 3 – Geological and Geophysical Analysis
- Step 4 – Integration of existing geological data
- Step 5 – Wind analysis in Key areas
- Step 6 – Magnetic Study of specific areas
- Step 7 – Gravity analysis
- Step 8 – Drilling of specific sites

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4 MW Binary Organic Rankine Cycle Geothermal Power Plant – Empire Energy

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Geothermal Potential

- Key surface features indicate past geothermal activity
- These structures are typical of those found through out the lake property

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Wind Resources

- Pyramid Lake is an area that also demonstrates a significant potential for wind energy development
- The high altitude makes wind development more difficult even with the high wind speeds.

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Additional Issues

- Currently served by a single Investor Owned Utility thereby limiting power sales options.
- Very limited transmission system in all of northwestern Nevada.
- Access to California markets may be possible but will be difficult.
- Potential for a Tribal Owned Utility

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Conclusions

- Pyramid Lake is an excellent location for development of various natural energy resources including Wind and Geothermal based electricity generation

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