

Welcome to a **greener** Nevada.

Founded on Independence, Opportunity and Natural Resources.

Driven by Innovation, Diversity, and Renewable Energy.



**The Role of Nevada in a National Renewable Energy Economy: Attracting and integrating Foreign Direct Investment (FDI) into Nevada's Renewable Energy Economy**

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# Opportunities

## Energy Sources

- Solar energy
- Geothermal energy
- Wind Power
- Biomass
- Hydroelectric

## Market Sectors

- Power generation
- Manufacturing products/components for energy generation. We have permitted industrial parks that would allow fast start-up for foreign companies to obtain licenses and permits



# Current Situation

## Installed Renewable Energy base (MW)

- Solar energy= 110 MW
- Solar distributed (rooftops): 10 MW
- Geothermal energy= 375 MW
- Wind Power= 1MW
- Biomass= 7MW
- Hydroelectric= 1,100 MW

*Of our current leads for new businesses moving into Nevada, 42% are from renewable energy companies.*



# Current Situation

## Permitted Renewable Energy Projects (MW)

- Solar energy= 776
- Geothermal energy= 568
- Wind Power= 350
- Biomass= 26
- Hydroelectric= 11



# Current Situation

## Number of renewable projects under development

- Solar energy= 63
- Geothermal energy= 10
- Wind Power= 23
- Biomass= 12



# Examples of FDI in Renewable Energy in Nevada

## Solar

- Acciona, Spain (Solar One, Boulder City), solar thermal power generation, 64 MW
- GA Solar (Spain), joint venture manufacturing with Sierra Nevada Corporation, Sparks (under development)
- Solar panel manufacturing (China), pending
- Solar Thermal manufacturing (Australia), pending



# Examples of FDI in Renewable Energy in Nevada

## Geothermal

- Ormat Energy, Israel; eight generating plants in Nevada (88MW)
- ENEL, Italy: two plants in Fallon, NV (46 MW)
- Canadian development projects:
  - Nevada Geothermal Power (Blue Mountain), Winnemucca, NV (49 MW)
  - Acquisition and development of existing resources in Wabuska, NV (1.5 MW growing to 20MW in future)



# Examples of FDI in Renewable Energy in Nevada

## Wind

- A Power Systems, Shenyang, China, announced a 320,000 sq. ft. manufacturing plant in Las Vegas area to employ 1,000 people for manufacturing wind turbines for the U.S. market.
- Manufacturer of wind turbine towers (Spain), pending



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