



Geothermal Energy Potential in Arizona

Arizona Governor's Office of Resiliency | Kayla Lucero-Matteucci

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Building a Resilient Arizona For Future Generations

ARIZONA
GOVERNOR'S OFFICE OF **RESILIENCY**

Climate Adaptation
& Mitigation

Healthy Forests



Energy Economy

Water Security &
Sustainability

Transportation
Accessibility



Arizona's Geothermal History Includes...

Hot Springs

Hot springs have occupied an important cultural and spiritual role in Indigenous communities for generations.

Working Group and DOE Partnerships

- **Arizona Geothermal Working Group**
- Along with CA, NV, NM, and ID, participated in **DOE's Geothermal Resource Exploration and Definition** program
- Led to drilling of test wells
- Arizona explored resources at the San Francisco Volcanic Field
- AZ has a significant amount of publicly available geothermal resource data
- ACC, Gila River Tribe, ASU, NAU involved
- Group identified the need to review existing laws, identify sites, and increase public awareness

Significant Aquaculture Activity

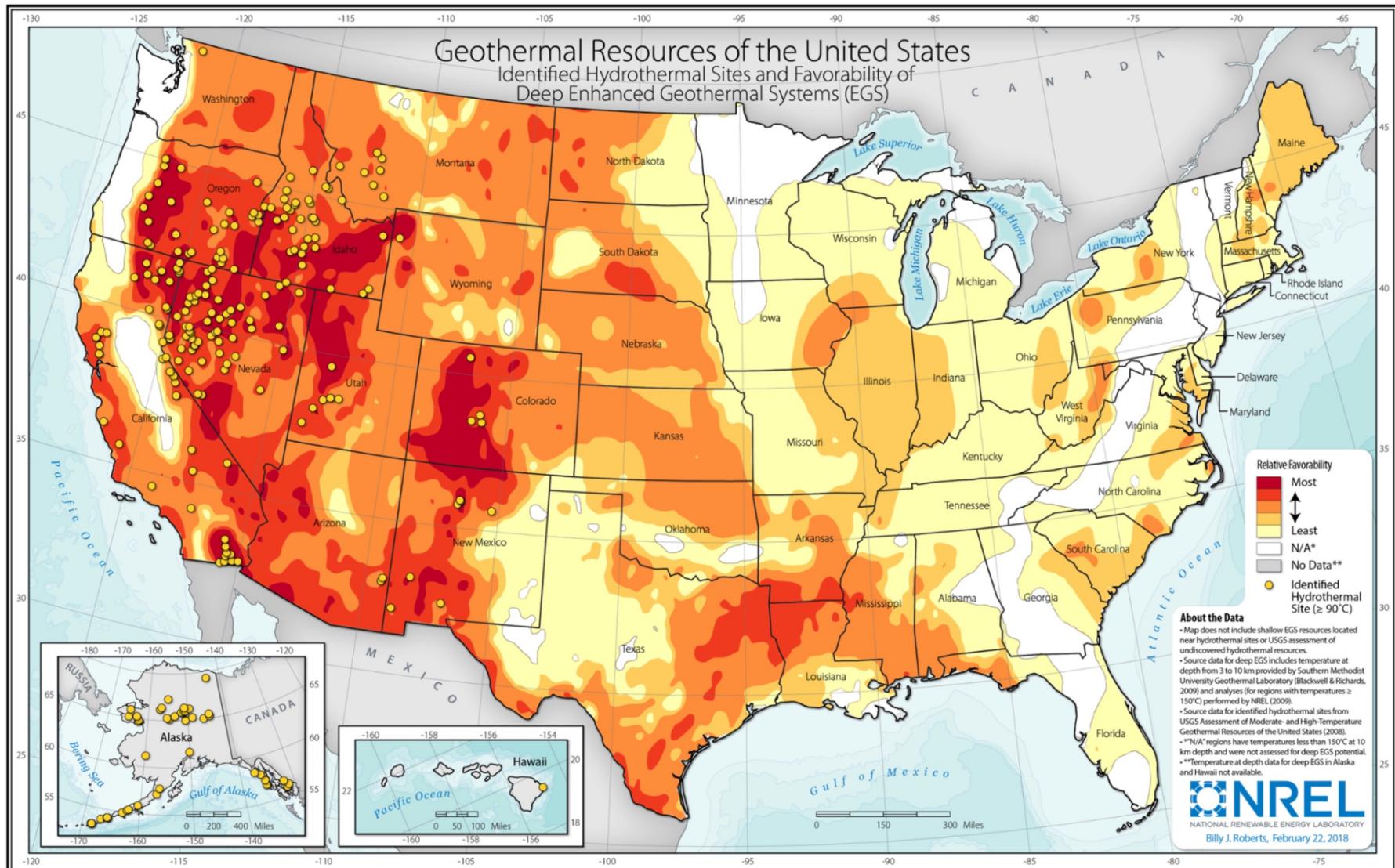
Provides warm water to raise tilapia, catfish, and prawn

Continued...

- APS had a geothermal test drilling program near Clifton, Arizona with funding from the DOE's Geothermal Technologies Program
- SRP has a 30-year purchase agreement with the Hudson Ranch 1 Project, a 50 MW geothermal plant in California that serves only Arizona ratepayers
- High-temperature resources exist near the former site of Williams Air Force Base
- The Arizona Corporation Commission explicitly amended its portfolio standard to include geothermal energy



HUDSON RANCH POWER STATION



Seizing the Opportunity

- **Funding AZGS to develop/aggregate datasets and support private sector investment**
- **Launched a Geothermal Working Group as part of the Arizona Energy Promise Taskforce initiative**
- **Developing policy recommendations to make Arizona a prime destination for geothermal**
- **Engaging with other Mountain West states to combine resources and promote regional strength in geothermal as an economic development tool**
- **Educating key stakeholders, on geothermal advancements and opportunities**

