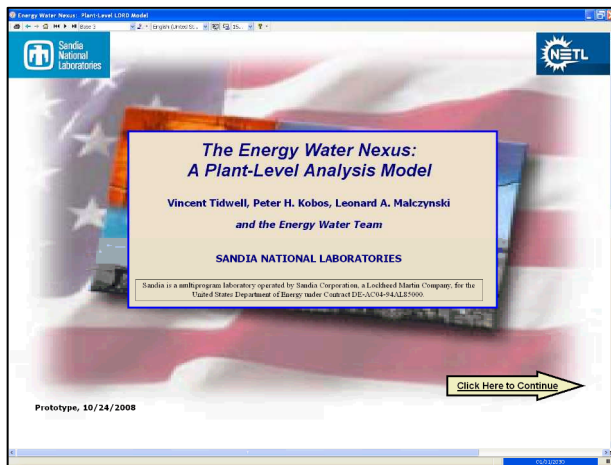


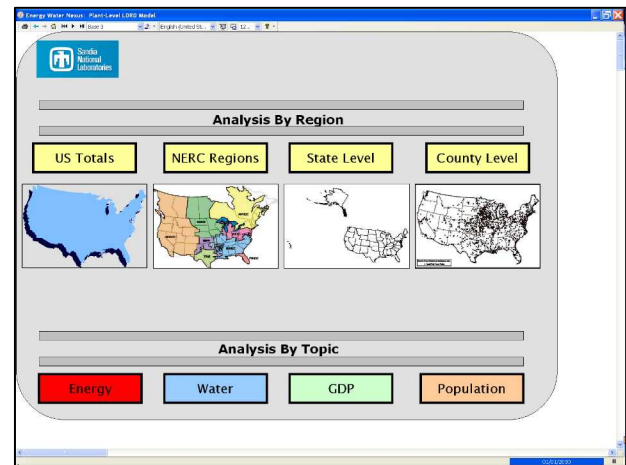
Sandia National Laboratories

Energy Water Modeling: Integrating Science, Policy and Economics in National-Level and Power Plant-Specific Systems Models

Integrated Water-Energy Planning: “Plant-Level Analysis Model”



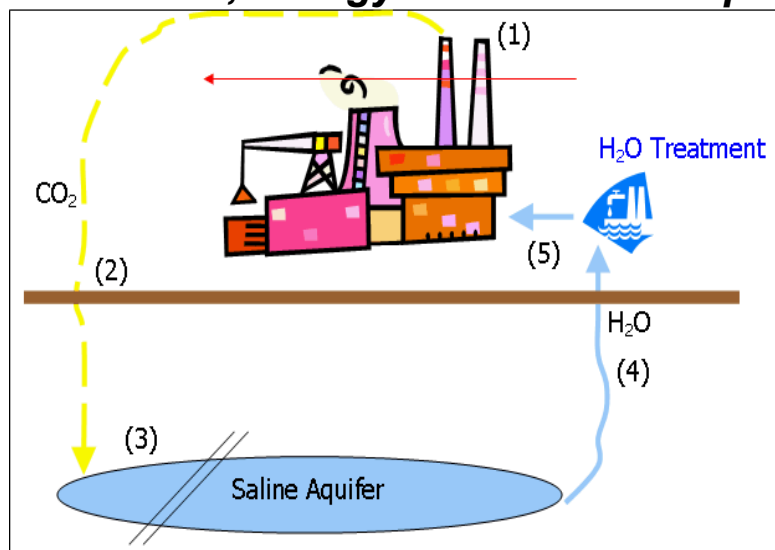
Integrated Water-Energy Planning:
“Plant-Level Analysis Model”



Water Demand by Sector

- Summaries and Detail: from the National Level to the Power Plant
- GDP, Population Growth Changes
- Technology Deployment Scenarios

The Water, Energy and Carbon Sequestration Model (WECS)



(A Power Plant-Specific Modeling Framework)

1. CO₂ power plant emissions
2. Carbon Capture & Sequestration Potential
3. Saline Aquifer CO₂ sequestration Potential
4. Pump Saline Aquifer for use at the power plant
5. Desalinate water for use at the power plant

For additional information, please contact
John Merson (505) 844-2756, Mark Rigali (505) 284-2727 or Peter Kobos (505) 845-7086.