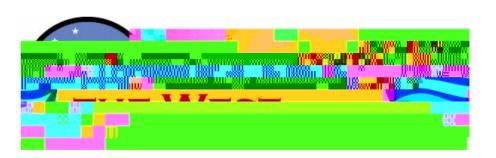
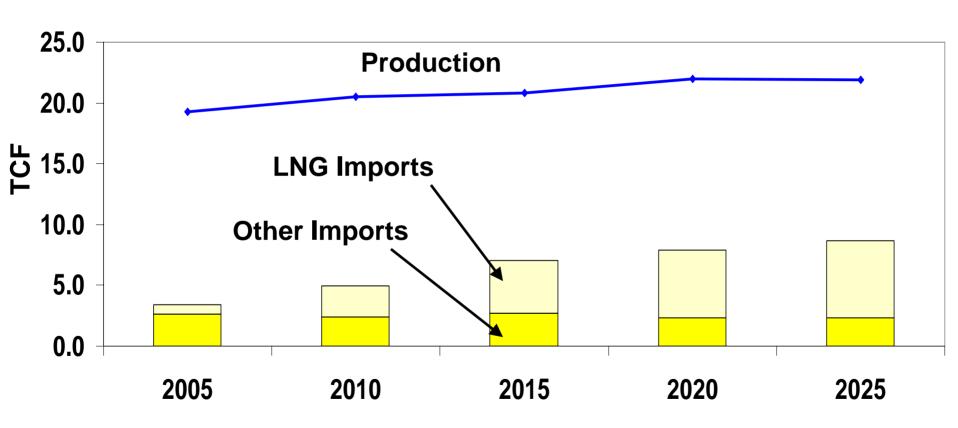


Where Does the Small Scale Geothermal Power Plant Fit In the Grand Scheme of Things?



US Natural Gas Prod. Will Grow 13% Imports Will Grow 157%



Source: DOE/EIA AEO2005

Expected Trends in Future Energy System Evolution

Energy safety, security, reliability, and sustainability have become important energy system design parameters

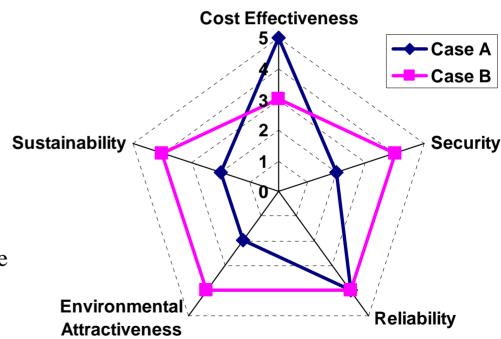


This will change how energy systems are optimized and upgraded



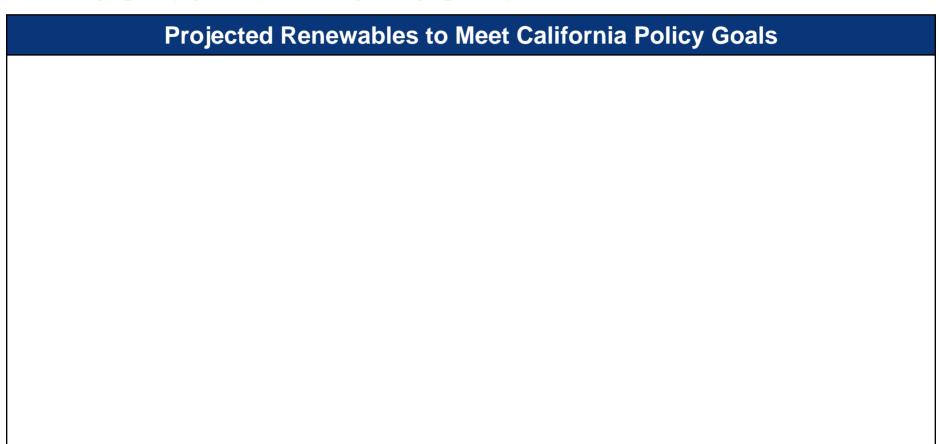
This will impact future decisions on energy policy, supply, and use

How do we efficiently and costeffectively transition to this new future infrastructure?





The primary role of PIER Renewables is to help the State meet aggressive renewable energy policy goals by investing in high priority RD&D issues.



Fully Diversified Renewable Energy Portfolio

New Mexico Proposed Rule

• One in which no less that 20% of RPS is met using wind, no less that 20% is met using solar, and no less than 10% is met using one of the other Renewables

New Mexico Proposed Rule, cont.

• The reasonable cost threshold for 2006 is 1% of customer's annual electrical charges, increasing by 1/5% until 2011, at which time it will be 2%, then increasing by1/% until 2015=3%



You've Heard of Combined Heat and Power?

Geothermal offers combined:



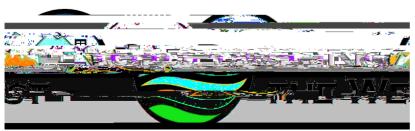




Heat..... Power..... and Pleasure!

Sources: Geothermal Education Office





Roger Hill Sandia National Laboratories rrhill@sandia.gov, 505-844-6111