



U.S. Department of Energy  
Energy Efficiency and Renewable Energy

# DLR TRANS-CSP Study Applied to North America

Hank Price  
March 8, 2007



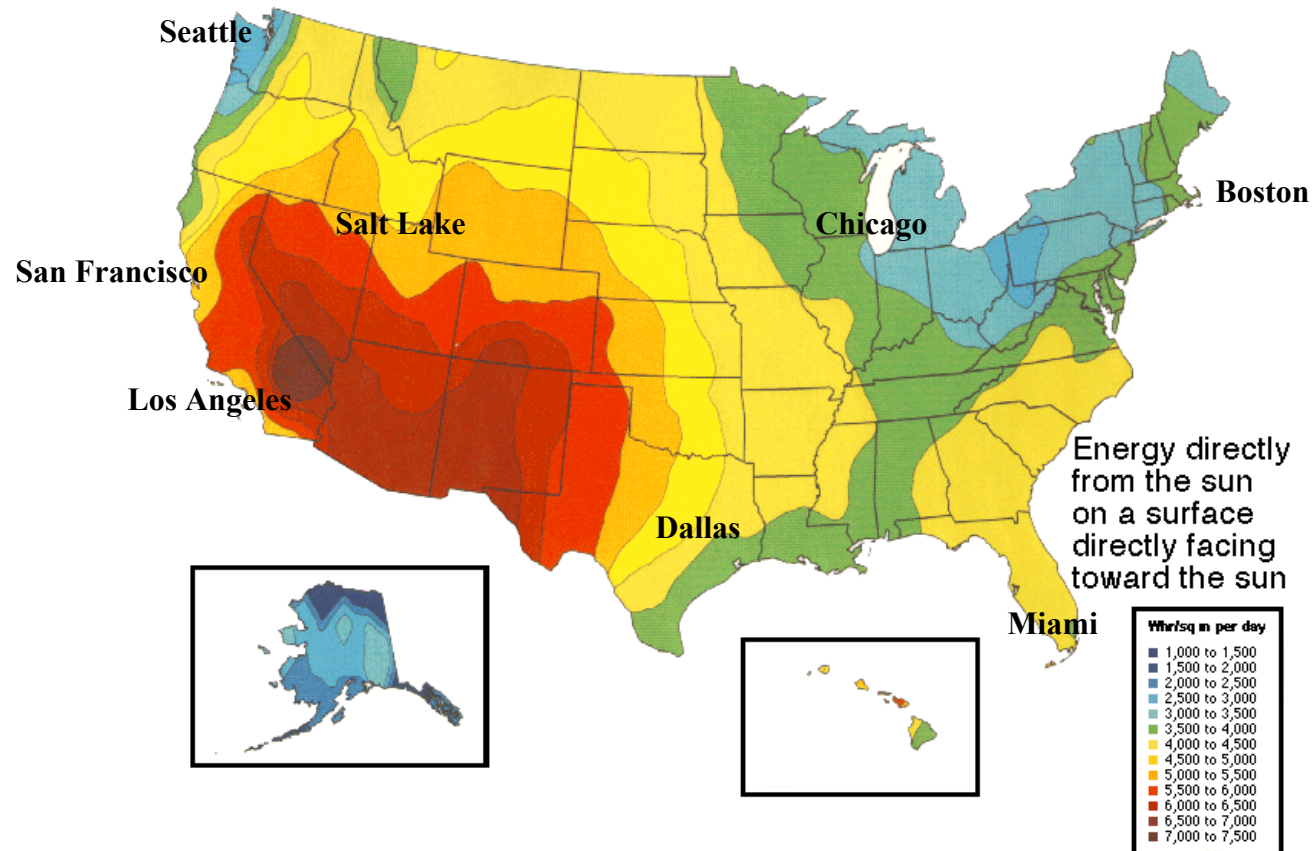
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Slide 1



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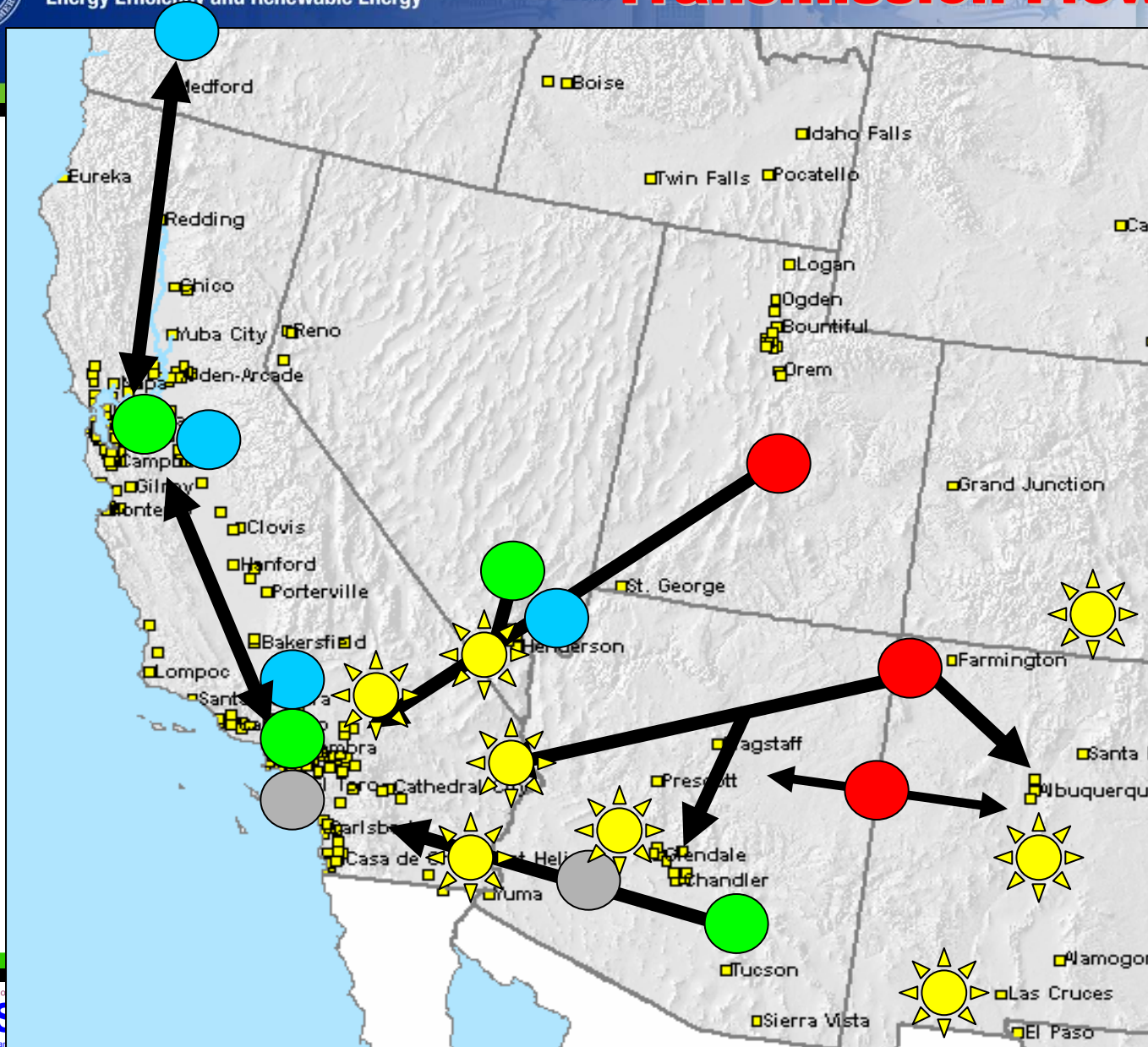
# TRANS-CSP Applied to North America





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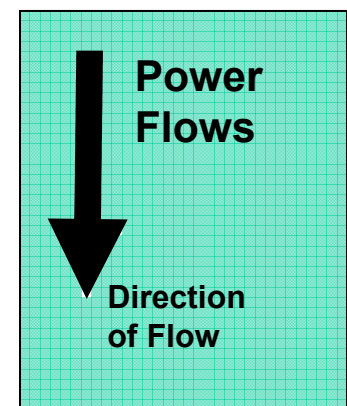
# Southwest Power Market Transmission Flows



## Generation

- Solar
- Hydro
- Coal
- Nuclear
- Gas

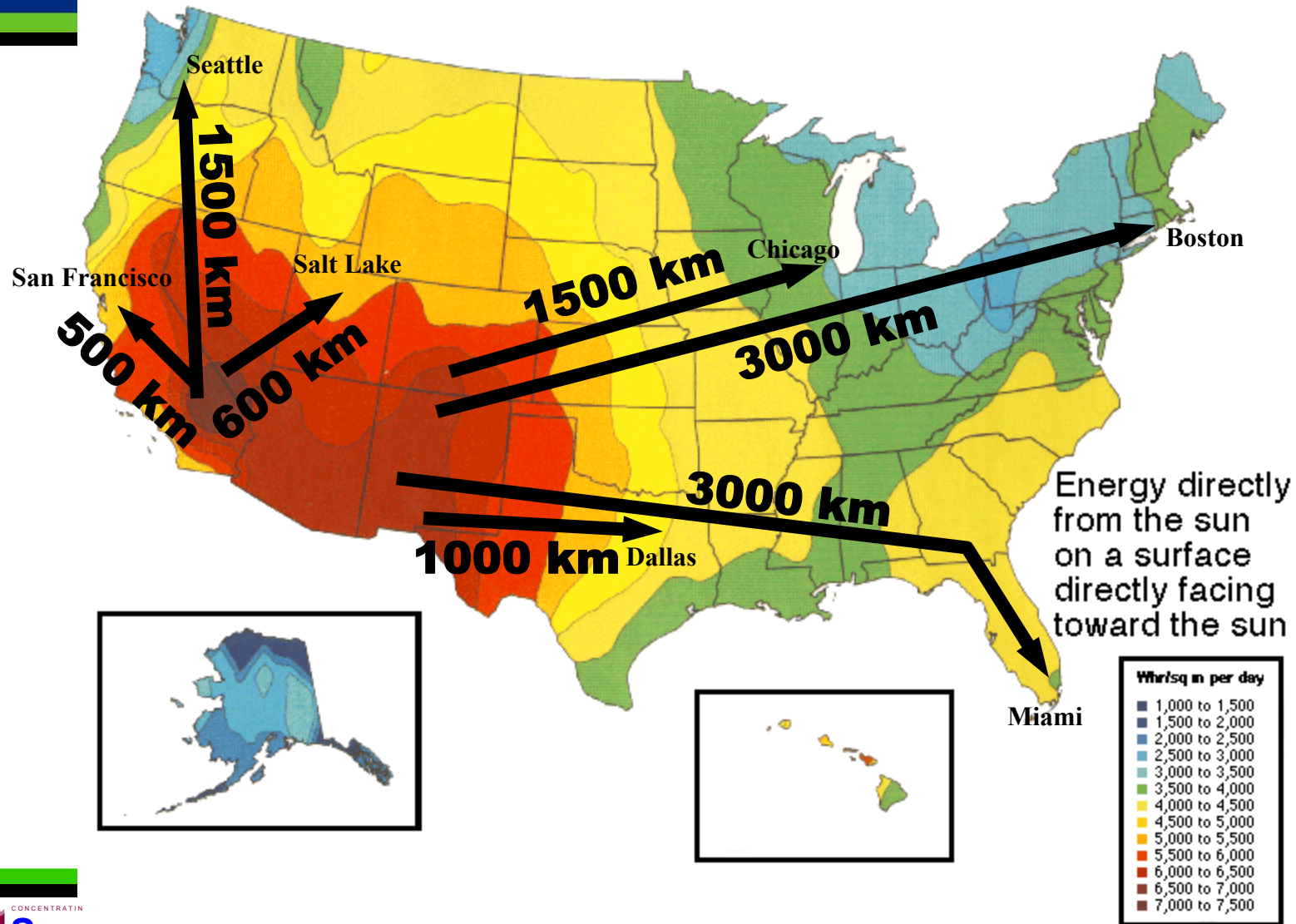
## Transmission







# Southwest Power Market Transmission Flows





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# TRANS-CSP Applied to North America

## HVDC Transmission

- Can be used to transmit CSP power >3000km.
- Can reach all major population centers in North America from the Solar regions in the U.S. Southwest and Mexico.
- Will add 1.5¢/kWh or less to the cost of CSP.