

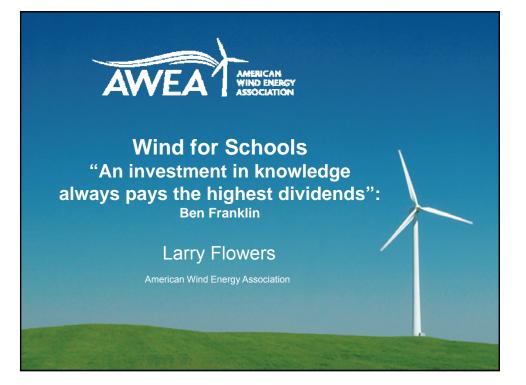
Advancing Wind Power in Illinois Conference 2011

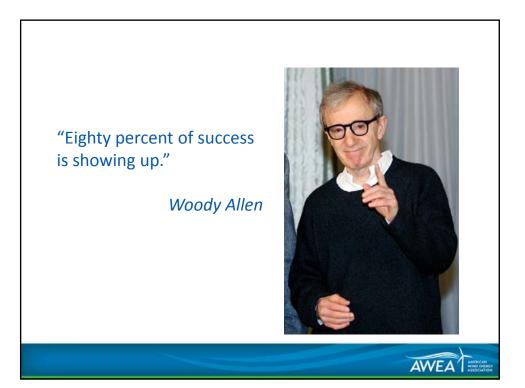
## Larry Flowers

## American Wind Energy Association

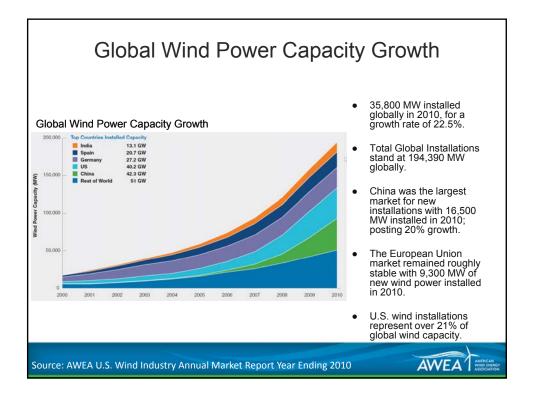
## Wind for Schools Plenary Session

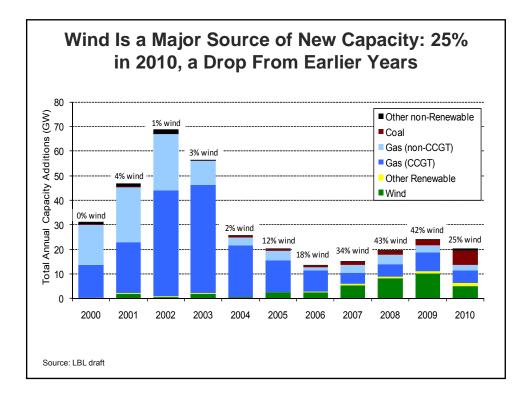
Friday, July 22, 2011, 9:15 AM

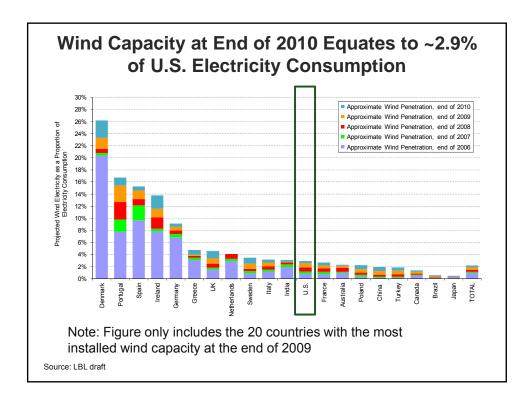


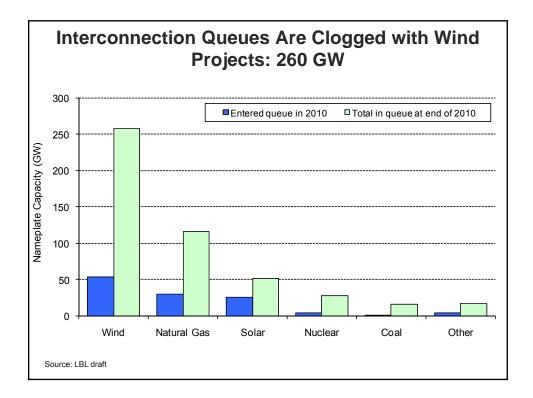


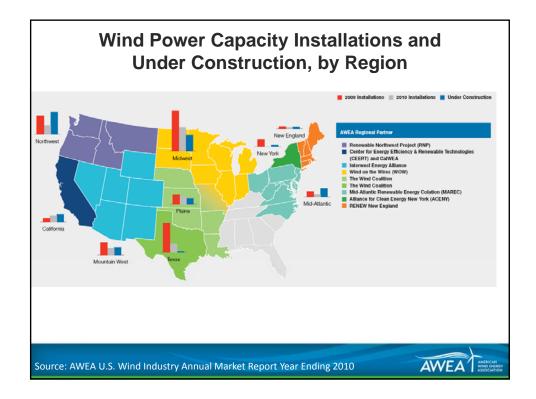


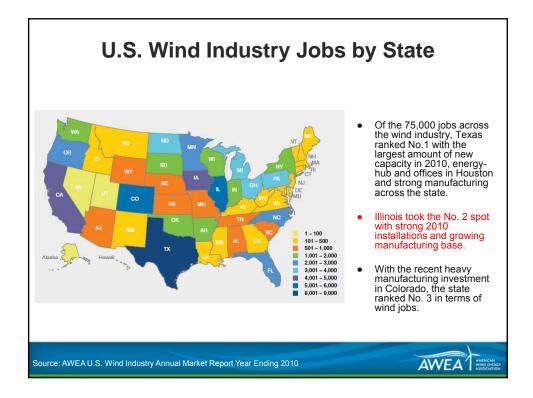


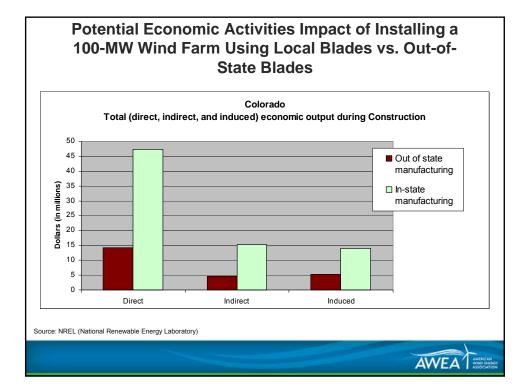


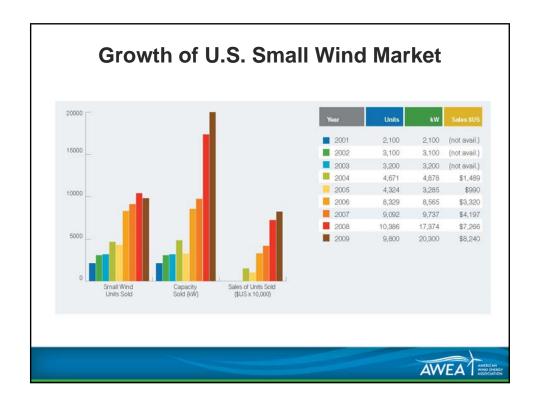


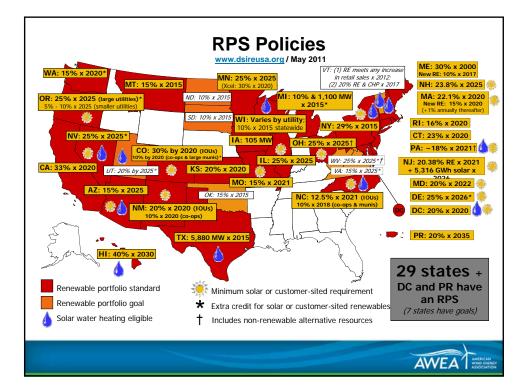


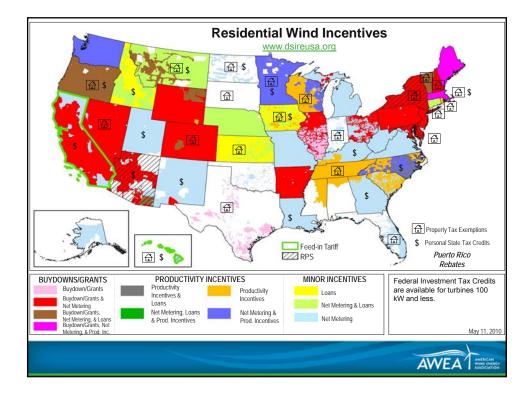


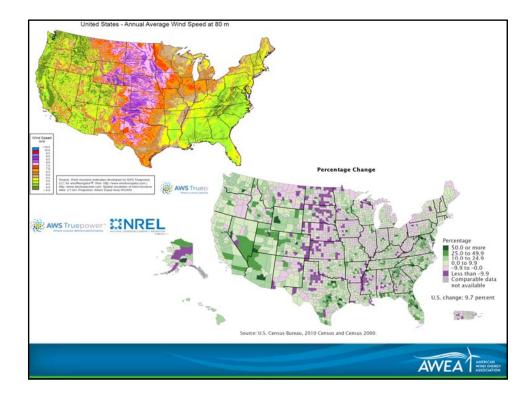


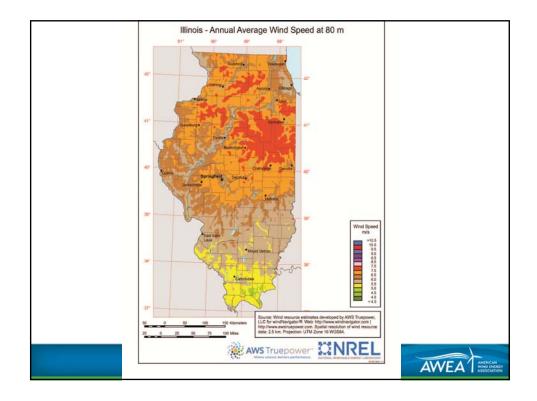


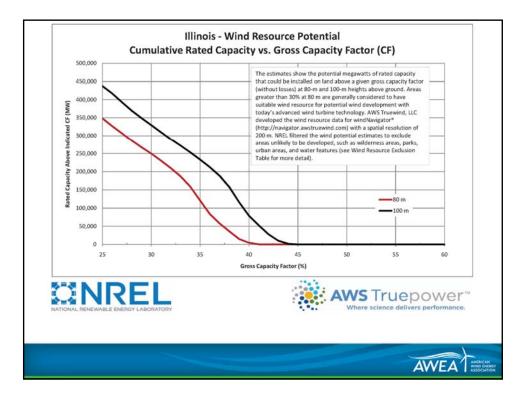


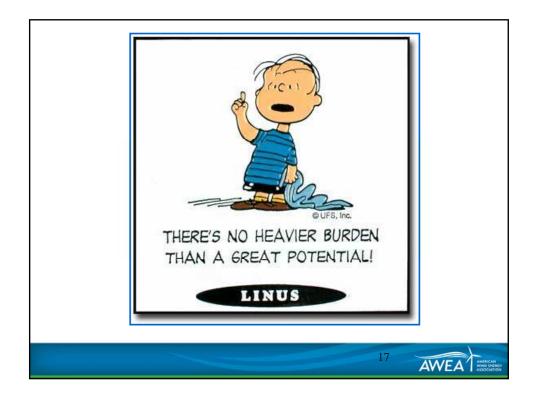


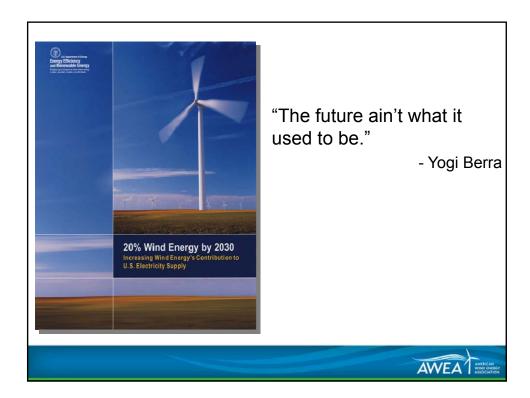


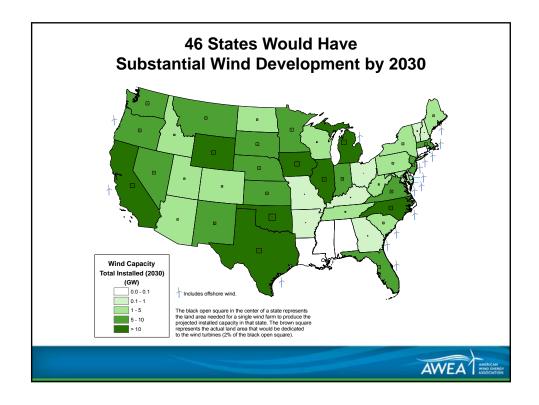


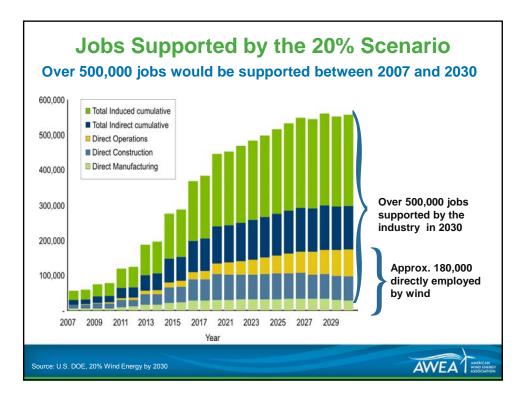


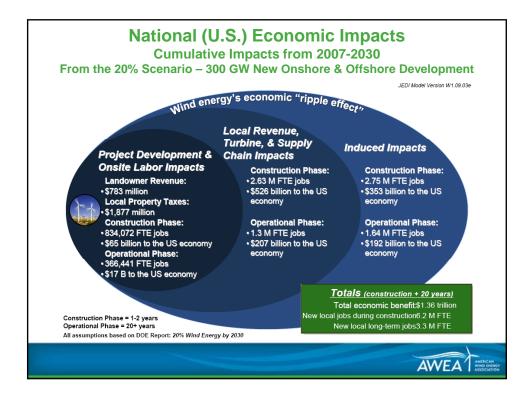


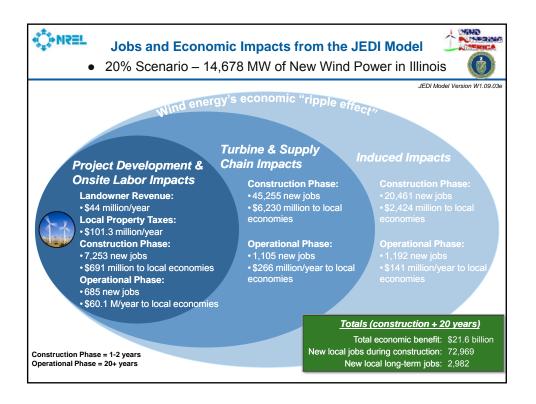


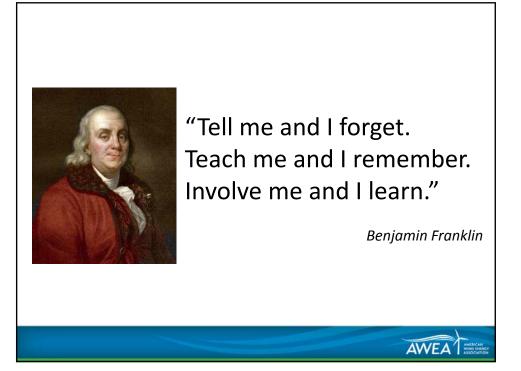




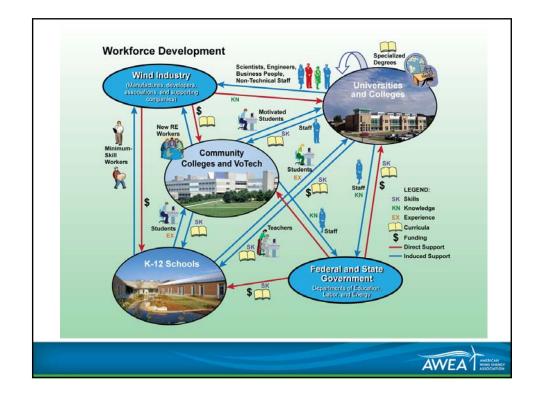




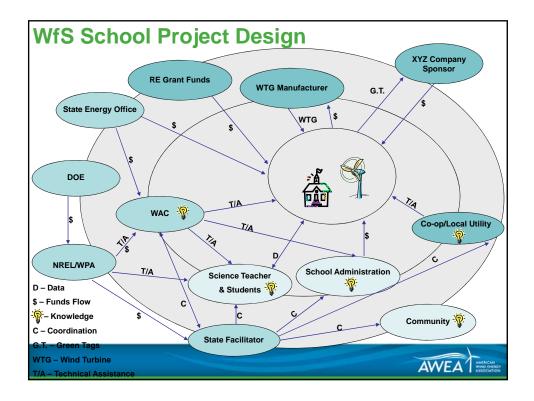


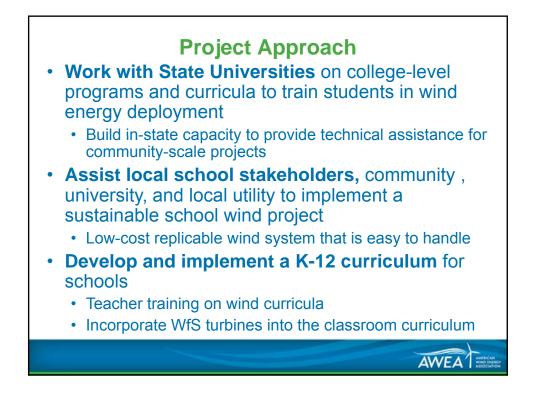




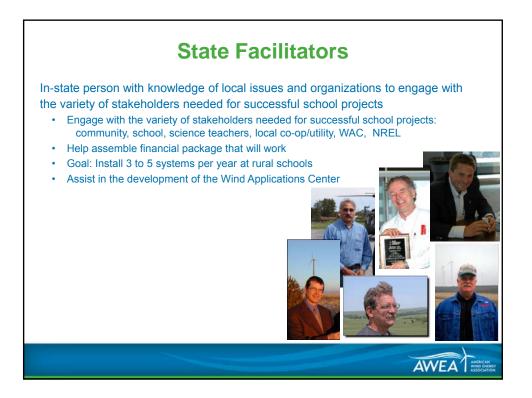


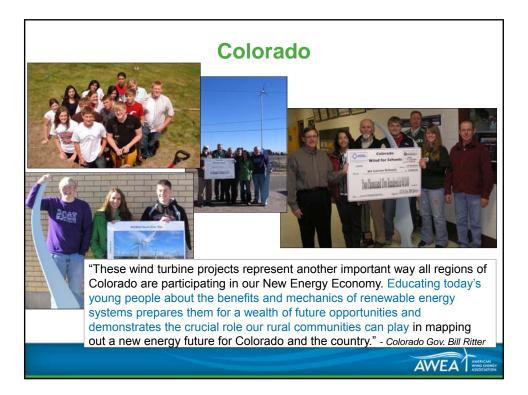




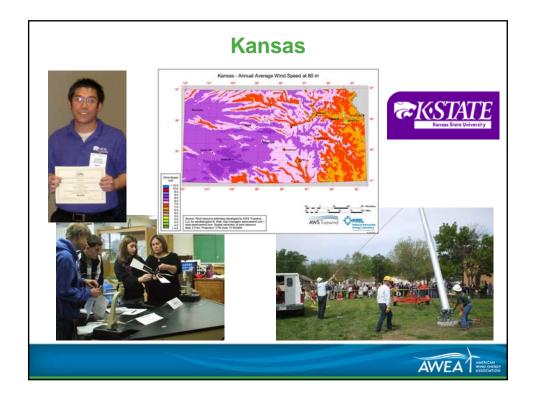












Project Finances
Sample Project Costs (Skystream Turbine; 2.3 kW)  Cost depends greatly on the type of tower used – lattice, 60ft monopole or 45ft monopole  Turn key system cost: ~\$18,000 Total equipment costs: ~\$10,000  Expected Funding Arrangement  \$2,500 from the school \$2000-2,500 from green certificate sponsor (for CO: NREL) \$5,000 - \$10,000 from a buy-down or other grant sources (USDA, State grants, SEP funds, USBC, local foundations) \$6,000 provided in-kind by the local utility and community businesses Payback – the real payback is the education \$\$kystream @ 45ft in a class 4 wind resource will produce about 3500kWh/year At a retail rate of \$0.10/kWh this amounts to ~\$350/year in reduced energy costs Simple payback to school ~ 7 years
AWEA

