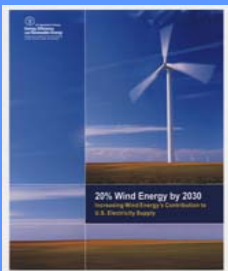


# Achieving 20% Wind: Key Needs

- ❖ *National will* reflected in supportive policies
- ❖ *Proactive siting* and approvals approach
- ❖ *Proactive transmission planning* and expansion to access wind energy resources
- ❖ *Continued evolution of electricity markets* and operating policies to share reliability responsibilities and take advantage of wind's geographical diversity
- ❖ *Domestic manufacturing expansion* for wind turbines and components
- ❖ *Ongoing advancement of wind technology*



# 20% Wind by 2030



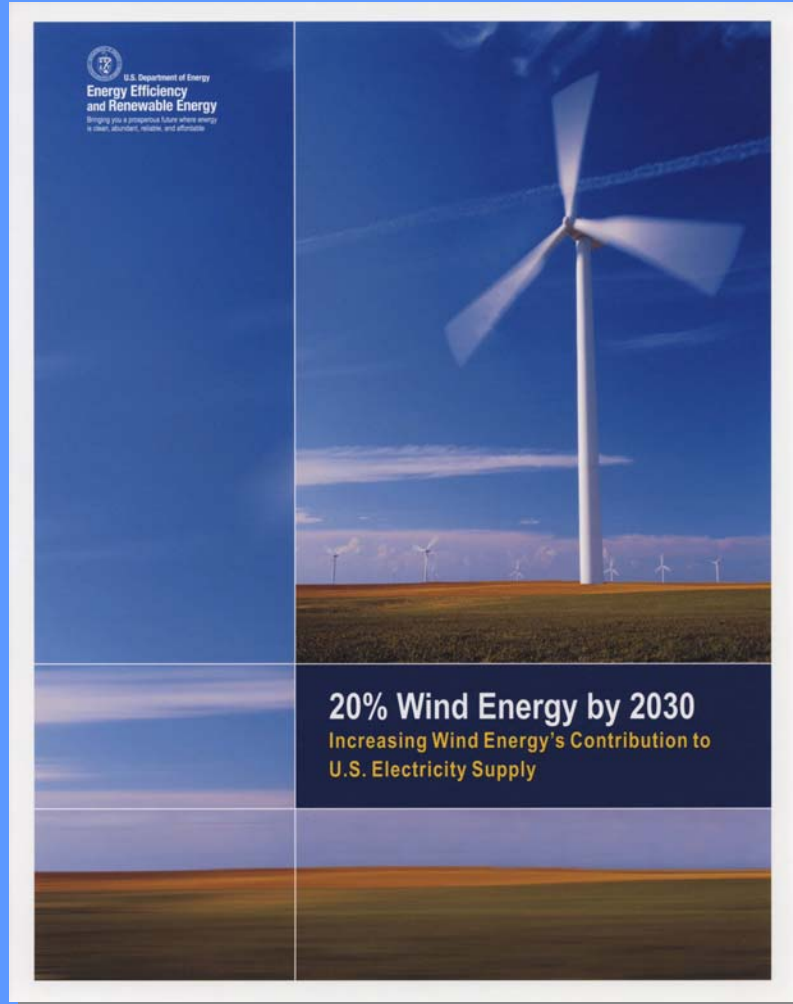
20% US wind by 2030 is feasible

Substantial net benefits would be realized

Major departures from business as usual would be required

# 20% Electrical Energy from Wind

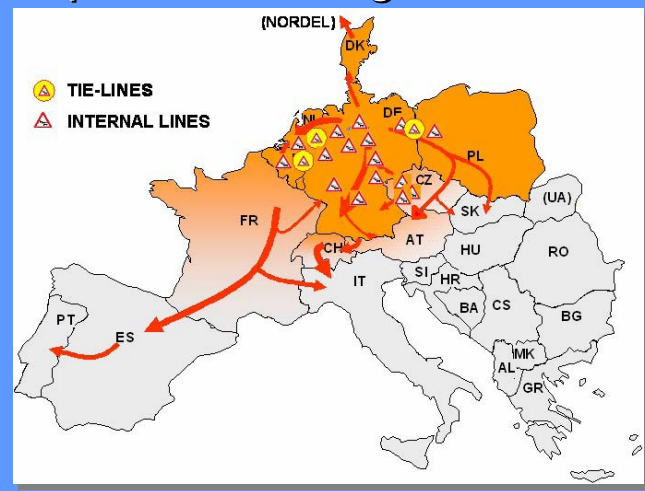
US Initiative: 20% by 2030



Irish All Island Study



Europe Wind Integration Study



IEEE-PES Super Session  
July 22, 2008

Session Chair: Ed DeMeo  
Renewable Energy Consulting Services