

# WIND POWER OPPORTUNITIES

## Information for 2009 NW Energy Summit

### Growing a NW Wind Economy: Moving Beyond Installation

- Oregon has 1,067 MW of installed wind.
  - Texas has the most with 7,118 MW
  - Iowa is second with 2,791 MW
  - California is now third with 2,517 MW
- The western US (OR, WA, CA, ID) has a region total of 5,106 MW
- The estimated value of repairs alone for Oregon and Washington is \$70M in 2010, \$100M in 2011, growing to \$200M by 2018. This only assumes repairs on turbines in the two states, not new construction or OEM supply chain impacts.
- Most turbines installed to date have been 1.5MW nameplate. Beginning this year, most owner/operators are going to 2.3 and 2.5 MW units.
- Nationally, 5,000 turbines were brought online in 2008. Over half were 1.5MW units. Average project size is 70 MW.
- GE, Vestas, Siemens, Suzlon, and Gamesa are the top five turbine manufacturers by percentage of installation. These companies are being challenged by newcomers such as Acciona, REPower, Fuhrlander, DeWind, and AWE.
- Independent Power Producers (IPP's) own 85% of the wind farm projects; utilities currently own 15%. Top IPP's, in rank order are: NextEra (used to be FPL Energy), Iberdrola, MidAmerican Energy, Horizon, and Ivenergy.
- 55 companies were expanded or created in 2008 to provide parts, pieces and services to the wind supply chain.