DIFFUSE:

Canada

- MODERATELY WINDY SITE (7 M/s AVG.) HAS ENERGY DENSITY OF 400 W/M2

- YET THREE TIMES ENERGY DENSITY OF SOLAR RADIATION

- LARGE, CAPITAL INTENSIVE, MACHINERY NEEDED FOR USEFUL POWER OUTPUT

VARIABLE:

- WITH TIME

RAYLEIGH & WEIBULL DISTRIBUTIONS

- WITH HEIGHT

POWER LAW RELATION TO LOCAL HEIGHT

- WITH TERRAIN

HILLS AND VALLEYS, LAND AND WATER, TREES AND DESERT

- EFFECTS ABOVE ARE INTER-RELATED

- VARIATIONS ARE OF SIGNIFICANT MAGNITUDE

UNSTABLE:

- SMALL AND LARGE SCALE TURBULENCE EFFECTS (GUSTS)

- WIND SHEAR VARIATIONS - TEMPERATURE DEPENDENCE

OCCASIONAL EXTRAORDINARY CONDITIONS

HOWEVER

RENEWABLE:

EVERLASTING SUPPLY

FUEL-FREE:

KNOWN LONG-TERM ECONOMIC COMMITMENT

DISTRIBUTED: STRATEGICALLY NOT VULNERABLE

ENVIRONMENTALLY BENIGN: NO RECOVERY OR DISPOSAL PROBLEMS