



National Research Council
Canada

Conseil national de recherches
Canada

APPLICATIONS OF WIND ENERGY

SPECIAL PURPOSE

- 1 KW (DC) SINGLE-UNIT INSTALLATIONS
- ON-DEMAND POWER - STORAGE
- RELIABILITY - REMOTE, NO BACK-UP
- EXPENSIVE \$10000/KW
- E.G. COMMUNICATIONS, NAVIGATION

REMOTE COMMUNITY

- 100 KW (AC) SINGLE-UNIT INSTALLATIONS
- LOCAL NETWORK - NO STORAGE
- COUPLED TO (DIESEL) BASE
- FUEL SAVING
- \$1000/KW 10^C/KWH
- NORTHERN CANADA, ISOLATED AREAS

NATIONAL ENERGY

- 10000 KW (AC) MULTI-UNIT INSTALLATIONS
- GRID COUPLED - NO STORAGE
- FUEL SAVING PLUS CAPACITY CREDIT
- \$300/KW 3^C/KWH
- UTILITIES