

## ***Develop and Analyse Portfolios***

To evaluate a realistic range of options for meeting B.C.'s future electricity needs, a series of different 'portfolios' are developed. These are groups of resources, acquired in a certain sequence, to meet future needs. Analysts evaluate the combination of resource options, to assess which portfolios are most likely to meet B.C.'s energy needs, at the lowest cost and within reasonable risk.

Some of the types of portfolios that BC Hydro studies could include:

- Combinations of "green" and alternative options, such as demand-side management programs, wind and small hydro generators, and customer-based generation projects;
- One or more natural gas-fired generating stations located near the Lower Mainland where the demand for new electricity is heaviest;
- One or more coal-fired generating stations located in the East Kootenays, at Hat Creek or on Vancouver Island;
- The Peace River Site C generating station and other small, medium and large hydroelectricity generating stations; and
- Transmission options such as building additional lines or increasing the capacity of existing lines, to carry electricity from areas where it is created to where it is needed.

**The evaluation of portfolios determines the blend of supply options, demand-side management programs and transmission requirements which most effectively meet customers' electricity needs.**