



Energy Efficiency Policy Development and Programs

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Provincial Energy Plan

- **BC Energy Plan, November, 2002**
 - *Energy for Our Future: A Plan for BC*
 - <http://www.gov.bc.ca/em/>
- **Objectives of the Energy Plan**
 - Low electricity rates and public ownership of BC Hydro
 - Secure, reliable supply
 - More private sector opportunities
 - Environmental responsibility and no nuclear power sources

Policy Development Process

- ***Utilities Commission Amendment Act***
 - Removal of disincentive for energy distributors to invest in conservation and energy efficiency
 - Provision of requirement for Resource Planning, including a plan to reduce energy demand
 - Options to fund demand-side management initiatives



Policy Development Process

- **Stepped rates and time-of-use rates for conservation and efficiency**
 - FortisBC has established time-of-use rates for all customer classes
 - Recommendations developed for BC Hydro in 2003
 - BC Hydro expected to submit rate design in 2005 for industrial customers



Policy Development Process

- **Review of Energy Performance Measures for Buildings in BC (REPBC)**
 - Consulted industry, utilities, experts, including CEEA, municipal and federal governments
 - **Result: draft *Strategic Plan for Energy Efficiency in Buildings***
 - **Launch in 2005**
 - **Proposes energy performance targets**
 - **Approved proposal to the federal Opportunities Envelope for funds**



Policy Development Process

- **Review of the *BC Energy Efficiency Act***
 - Considering new standards for windows, doors, furnaces, boilers, thermostats, lighting service, gas fireplaces, other equipment
 - “Market Transformation” approach
 - Staff discussion papers have been distributed to industry, utilities, and government for comment
 - Equipment standards will support “building-as-a-system” energy performance



Energy Efficiency Objectives

- **Adopt cost-effective energy efficiency standards with financial payback**
- **Transformation of the marketplace toward energy efficiency**
- **Complement existing utility and federal government energy efficiency programs – e.g., Power Smart, Terasen Gas, PowerSense, Office of Energy Efficiency**
- **Cooperation with building developers, equipment manufacturers, and the private sector – e.g., BOMA Go Green, CHBA-BC**



Community Energy Planning

- **Local government engagement in influencing energy use and supply**
- **Local and regional government tools**
 - **Community Energy Plan (CEP)**
 - **Air Quality Management Planning**
 - **Partners for Climate Protection (i.e., FCM)**
 - **Land-use and transportation planning**
 - **Development and building permits**
 - **Building and electrical inspections**
 - **Municipal infrastructure and utilities**
 - **Public outreach**
 - **Strategic investments in energy**



Community Action on Energy Efficiency Pilot Program

- **Supports energy efficiency measures at a community level**
- **Collaborative initiative with municipalities, NRCan Office of Energy Efficiency and utilities**
- **Acts as a “bridging mechanism” between completed CEPs and existing project support mechanisms**
- **Systematically addresses barriers to implementation of CEPs**
- **Call for proposals sent to all municipalities in 2004**



CAEE Goals

- **Municipality to be a “one-stop-shop” for information and support on energy efficiency**
- **Staff energy efficiency coordinator**
- **Development of new tools that reflect community circumstances**
- **Promotion of energy efficiency through planning departments**
- **Campaigns to achieve energy savings**
- **Feasibility studies for strategic investments (other funds)**



CAEE Communities

- **Kelowna**
 - focusing on new mixed-use construction
 - review of policies, bylaws and codes
 - guidebook for developers
- **Quesnel**
 - Full-time energy coordinator hired
 - Energy efficiency campaigns
- **Atlin**
 - Remote community
 - Electrical energy savings focus



Five-Year Goals

- **Permanent program to implement approximately 20 community energy plans (CEPs) by 2010**
- **Municipalities, Regional District, First Nation communities**
- **Approximately 25 CEPs under development or completed, an additional 25 targeted for 2010, or one in five communities in the province**



Energy Efficiency Benefits

- **Immediate energy cost savings**
- **Paybacks on investments**
- **Employment creation**
- **Alternative to building new energy supply capacity**
- **Leadership and innovation**

