

## AESO Draft 2011 Long-term Transmission Plan

- The draft 2011 Long-term Transmission Plan is the AESO's updated blueprint for ensuring Alberta's electricity system continues to meet the growing needs of the province
- Alberta's quality of life, healthy economy and jobs depend on a reliable supply of electricity to all Albertans, now and into the future
- Alberta's transmission system is stretched to the limit and needs to be upgraded to accommodate growth – few significant upgrades have been made since the 1980s
- Demand for power is increasing 3.2% per year over the next 20 years – equivalent to adding two cities the size of Red Deer to the power system each year
- Over the next 20 years, we need 13,000 MW of new generation to meet the power needs of Albertans – double our current capacity



## Why Do We Need a Strong Transmission System?

- Ensure reliability – to make certain you have the electricity you need when you need it
- Connect all customers to the grid – including both generators and load
- Increase efficiency – an overloaded system is an inefficient one
- Give investors confidence to build generation, industry and businesses in Alberta



## How Do We Plan The Transmission System?

- Forecast future demand for electricity
  - Population growth
  - Forecast generation and demand on the system
  - Economic trends
  - Customer connection requests
- Review plans of developers to build electricity generation and develop scenarios of where and when generation may be built
- Review plans to confirm need for development as circumstances change
- Gather feedback from Albertans through letters, open houses, meetings, newspaper advertisements, website
  - Visit [www.poweringalberta.com](http://www.poweringalberta.com) for more information about the draft 2011 Long-term Transmission Plan
  - Email your questions and comments to [longtermplan@aeso.ca](mailto:longtermplan@aeso.ca)

## Plan Highlights

### **The Draft 2011 Long-term Transmission Plan:**

- Includes more than 50 regional projects and supports more than 200 customer connection requests
  - These projects account for approximately 60% of the total estimated cost (\$8.3 billion)
- Reconfirms the need for the four Critical Transmission Infrastructure (CTI) projects identified in the AESO's 2009 Plan
  - These CTI projects account for approximately 40% of the total estimated costs (\$5.2 billion)

# Alberta Interconnected Electric System

