Alberta’s Electricity Transition

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Drivers for Change

- Alberta’s Electricity Portfolio
- Alberta’s GHG Emissions Profile
- Air and Health Considerations
CLIMATE LEADERSHIP PLAN

- Implement a new price on greenhouse gas emissions, or carbon pricing.
- End pollution from coal-generated electricity by 2030 and develop more renewable energy.
- Cap oil sands emissions to 100 megatonnes in any year.
- Reduce methane emissions from upstream oil and gas production by 45% by 2025.
Coal Generating Units in Alberta
Coal Phase Out

Off-Coal Agreements:

• Phase out of all emissions from coal-fired power by 2030
• No unnecessary stranding of capital = voluntary transition payments to generators with assets beyond 2030
• Support workers and affected communities = company investments in communities; pension and severance obligations
• Company investments in electricity system; continued operations in Alberta; maintain head office and employees

Results:

• Positive investor outlook for market-based generation and renewables
• Integrated federal and provincial policies on natural gas emissions; including coal-to-gas conversions
• Capacity payment construct to ensure adequate supply of electricity
The coal phase-out primarily impacts three regions and four Indigenous communities.

Impacted Communities

Parkland/ Leduc County

Forestburg

Hanna
Community Support

The government is committed to supporting impacted communities during this transition.

Advisory Panel on Coal Communities:
• Provided recommendations to the Government of Alberta to support workers, communities and First Nations.

Coal Community Transition Fund:
• Supported 12 projects in 17 communities across the province. Total funding for the communities is about $5 million.
Worker Support

In addition to supporting communities, government is also assisting workers during the move from coal-fired generation.

Coal Workforce Transition Program:

• Financial assistance for re-employment, retirement, relocation and education as workers prepare to start new jobs or retire.
  – Bridge to Re-Employment
  – Bridging to Retirement
  – Relocation Assistance
  – Tuition Voucher
Discussion