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Renewable Energy Adoption (IEA, 2015)

“Supported by policies aimed at enhancing energy security and sustainability, renewable electricity expanded at its fastest rate to date in 2014 and accounted for more than 45% of net additions to world capacity in the power sector.”

“Renewables are expected to be the largest source of net additions to power capacity over the medium term.”



Renewable Energy Declining Costs (IEA, 2015)

“Renewable generation costs are forecast to continue decreasing. From 2010-15, indicative global average onshore wind generation costs for new plants fell by an estimated 30% on average while that for new utility-scale solar PV declined by two-thirds.”

“High levels of incentives are no longer necessary for solar PV and onshore wind, but their economic attractiveness still strongly depends on the regulatory framework and market design.”



Enhanced Renewable Energy Policy (IEA, 2015)

“A set of OECD enhanced policy changes would need to include the implementation of stable and sustainable policy frameworks that give greater certainty about the long-term revenue streams of renewable projects.”



Why must Alberta take steps to de-carbonize the electricity supply?

Alberta's ability to achieve meaningful emissions reductions is dependant on the successful de-carbonization of the electricity supply.



Why must Alberta take steps to **diversify** the electricity supply?

Forecasts show that under current circumstances coal phase-out would be replaced almost exclusively with natural gas bringing unacceptable price-risk and emissions implications.



Why must Alberta take steps to harness more of its renewable resources?

Alberta's abundant renewable resources are the only available solution to de-carbonize and diversify Alberta's electricity supply to a meaningful level.



Why must Alberta introduce new public policy for renewable electricity?

Alberta's electricity market was not designed to deliver policy objectives. Without change, the outcomes delivered through it will be counter to Alberta's best interests and will not include renewable energy.



What should be the **public policy objectives** for renewable electricity in Alberta?

....to set ambitious but measured long-term goals that deliver the de-carbonized and diversified electricity that Albertans want while managing public cost and risk and ensuring a level of revenue-certainty that projects need so that industry can invest and create jobs.



What is the **most suitable** public policy for renewable electricity in Alberta? (1/5)

A Renewable Portfolio Standard legislates a long-term target for diversification with renewables and requires that industry meet it using market-based solutions.



What is the most suitable public policy for renewable electricity in Alberta? (2/5)

The competitive procurement of electricity and/or environmental attributes from utility-scale solar assets through a central body ensures that the lowest possible costs are achieved.



What is the **most suitable** public policy for renewable electricity in Alberta? (3/5)

A “Solar Carve-Out” ensures that the value that solar brings to the grid does not go unrealized in favour of the lowest cost alternatives.



What is the **most suitable** public policy for renewable electricity in Alberta? (4/5)

Residential to Community-Scale renewables present unique ownership and system benefits but also have unique challenges. A Standing Offer Program (SOP) for smaller projects would provide the custom approach that is needed at this scale.



What is the **most suitable** public policy for renewable electricity in Alberta? (5/5)

Carbon-pricing is key for any credible climate change strategy. We support a strengthened and more effective carbon pricing framework for Alberta. However, there is no jurisdiction in the world that has delivered significant renewable energy capacity with carbon-pricing alone.

