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Promoting Clean Energy Partnerships in the Western Interconnection

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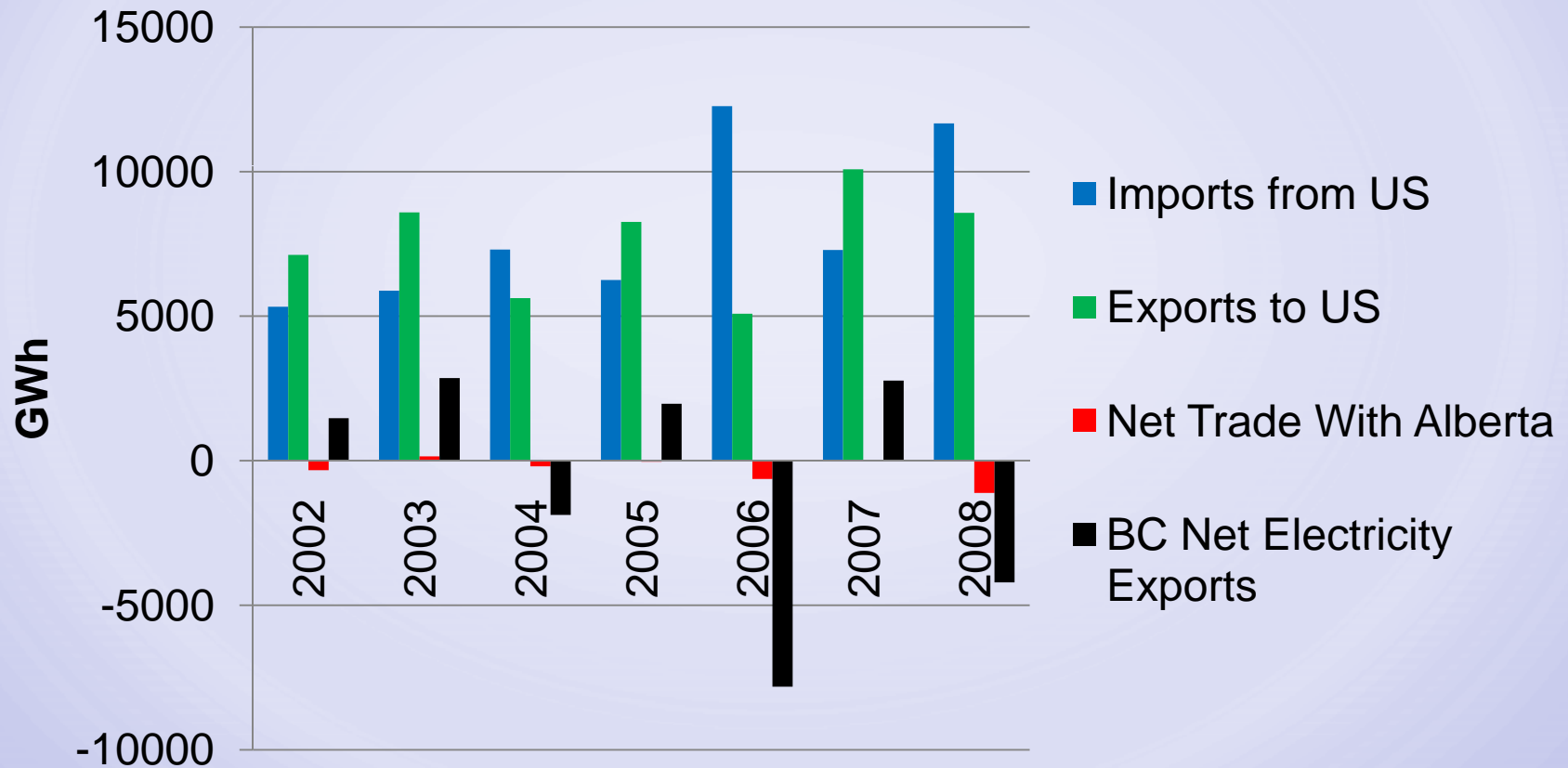


Clean Energy and Climate Leadership

- Greenhouse Gas Target Reductions Act
 - 20% by 2020, 80% by 2050
- Revenue Neutral Carbon Tax
- Carbon Neutral Government
- Western Climate Initiative
- 93% clean and renewable generation target
- 66% incremental demand growth through conservation



Electricity Trade Balances

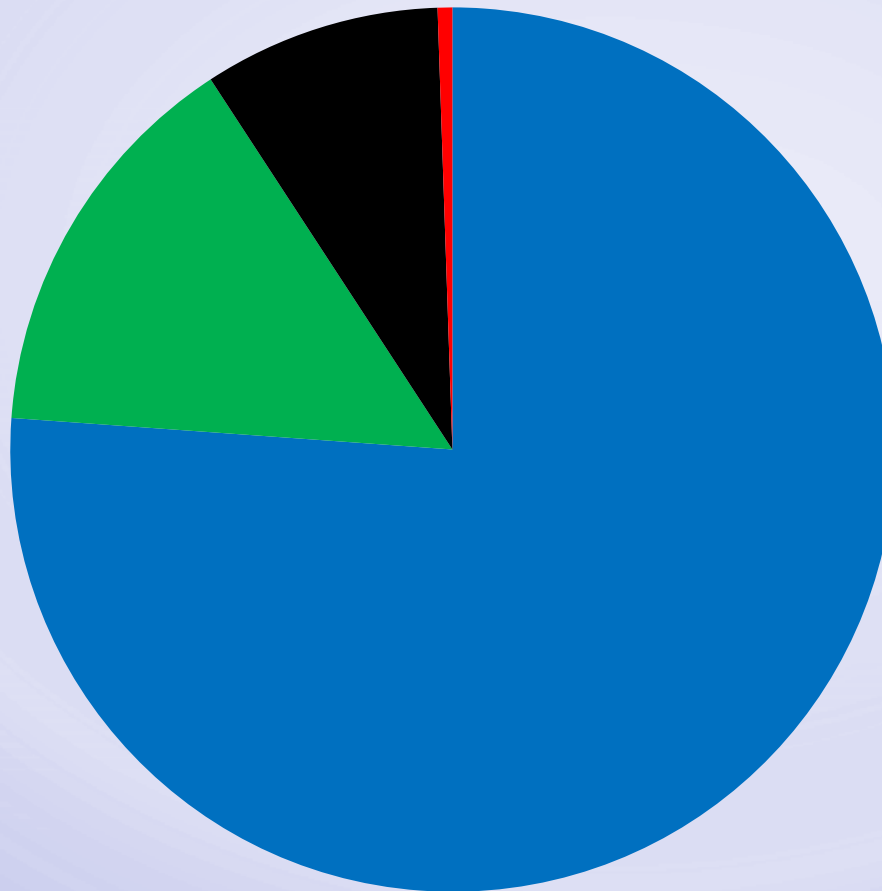




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BC Hydro Supply Sources (GWh)



■ Hydro

■ IPP

■ Market

■ Thermal



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Carbon Content of BC Electricity



■ Zero Carbon

■ Low Carbon

■ Conventional Carbon



BC's Renewable Potential



- 2008/09 Supply Source
- Small Hydro Potential
- Wind Potential
- Biomass Potential
- Ocean Potential
- Geothermal Potential
- Large Hydro Potential



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Value Added of BC Resources

- BC is capacity rich
- Additional 1500 MW capacity announced
- Able to deliver shaped, zero-emission, firm energy product
- Able to provide capacity products to help integrate intermittent renewable generation



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Clean Energy Act

- Enhanced environmental protection
- Sets provincial energy objectives
- Sets parameters for electricity exports
- Positions BC as a low carbon economy
- BC clean, renewable electricity can contribute to regional GHG reduction goals



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Transmission Challenges

- BC has 3100 MW of intertie capacity with Washington State and 1000 MW with Alberta
- Congestion in the Pacific Northwest of WECC will increase difficulty moving electricity north-south
- Integration of large quantities of intermittent generation will further stress grid
- Transmission Expansion: It's not engineering; it's siting



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Shared Commitment to Clean Energy

- WI jurisdictions have common clean energy goals
- BC actively participates in regional transmission bodies to develop collaborative regional solutions
 - Western Governors' Association, Western Interstate Energy Board, WECC, Pacific Coast Collaborative
- Letter agreement to continue technical studies related to Canada Northern California Line



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Information on BC's *Clean Energy Act*

<http://www.mediaroom.gov.bc.ca/>