NOTE: The index starts on the third page of this document. Use the search capabilities of Adobe Acrobat to search the index and find the topic you are interested in; note the page number(s) associated with it. Then click on the page number range in the list below to open the issue.

| Committee meeting dates | <u>Pages</u> |
|--------------------------------|--------------|
| March 0, 2000 | DEE7 60 |
| March 9, 2009 | RE57-68 |
| April 14, 2009 | RE69-87 |
| April 27, 2009 | RE89-106 |
| April 29, 2009 | RE107-25 |
| May 4, 2009 | RE127-46 |
| May 5, 2009 | RE147-67 |
| November 2, 2009 | RE169-86 |
| November 4, 2009 | RE187-205 |

Bahry, Evan (Executive Director, Independent Power Bahry, Evan (Executive Director, Independent Power **Producers Society of Alberta**) (Continued) **Producers Society of Alberta**) Electric power, Coal-produced Alberta Electric System Operator Cost of ... RE193 Role of ... RE192, RE198, RE201 Efficiency of ... RE192, RE193 Transmission infrastructure plan ... RE201, RE202 Future use of ... RE198 Transmission infrastructure plan, timing/scope of General remarks ... RE192 new projects ... RE202 Transmission of ... RE203 Alberta Utilities Commission Electric power, Coal-produced-Ontario Role of ... RE198 General remarks ... RE203 ATCO Electric Electric power, Coal-produced-United States Vertical integration of ... RE192 Coal-produced ... RE203 **Balancing Pool** General remarks ... RE203 Role of ... RE193 Electric power, Gas-produced Carbon offsets As dispatchable technology ... RE203 Alberta strategy re ... RE198 Future use of ... RE198 Climate change Electric power lines Impact on electric power industry ... RE198 Importance to fuel diversity of ... RE204 Committee on Resources and Environment, Standing-Electric power lines–Construction Public meetings and inquiries Alberta strategy re ... RE193, RE201-02, RE203, Meeting with IPPSA: Presentation and discussion ... RE204 RE191-93, RE198, RE201-04 Cost of ... RE201 Contaminated sites Critical transmission infrastructure ... RE201 Use in electric power generation ... RE203 Timing/scope of new projects ... RE198, RE202 Dept. of Energy (Alberta) Electric power lines-Construction-Edmonton to Calgary Future use of electricity, reports on ... RE192 (HVDC) Economic growth Alberta strategy re ... RE198, RE201 Importance of electric power to ... RE204 Impact on economy of ... RE202 Electric power Reports on ... RE202 Cogeneration of ... RE193 Electric power lines-Saskatchewan Combined-cycle plants ... RE192 Supply ... RE192 Commercial use of ... RE192 Electric power plants As dispatchable technology ... RE192-93 Location of ... RE203, RE204 Future use of ... RE192, RE198 General remarks ... RE192 Generation of ... RE193 Generation of, statistics on ... RE192 Peaking plants ... RE192 Peaking plants, location of ... RE203 Electric power plants-Calgary Generation of, variability in ... RE192, RE203 Construction of ... RE192 Electric power plants-Edmonton Impact of global economic crisis on ... RE193 Peaking plants ... RE192 Industrial use of ... RE192 Electric Statutes Amendment Act, 2009 (Bill 50) Market competition ... RE192 General remarks ... RE198, RE201–02 Modernization of ... RE192 Electric utilities-Regulations Power purchasing arrangement auctions ... RE193 Regulation of rates ... RE192–93 Relation to GDP ... RE202 Residential use of ... RE192, RE193 Deregulation ... RE192-93 Deregulation, IPPSA position on ... RE193 General remarks ... RE201 Spot markets ... RE192, RE193 Energy contracts, Residential General remarks ... RE192 Statistics on ... RE192 **EPCOR Group of Companies** Vertical integration of market ... RE192 Vertical integration of ... RE192 Wholesale markets ... RE191–93 Gas, Natural Electric power–Edmonton Use in electric power generation ... RE192 General remarks ... RE192 Gas, Natural-Environmental aspects Electric power–Environmental aspects General remarks ... RE193 Greenhouse gas emissions, reduction in ... RE193 Gas, Natural-Prices Electric power–Fort McMurray Relationship to cost ... RE193 Cogeneration for oil sands ... RE192 Greenhouse gas emissions Electric power–Joffre Cogeneration for petrochemical industry ... RE192 Forecasts for ... RE193 Independent Power Producers Society of Alberta Electric power–Prices Électric power generation, Alberta policy re ... Impact of market competition on ... RE192–93 Wholesale market ... RE191–92, RE193, RE203 General remarks ... RE191-92 Electric power-Retail sales Presentation to committee ... RE191–93, RE198, General remarks ... RE191–92 RE201-04 Electric power-Retail sales-Edmonton Land purchases, Government General remarks ... RE192 Electric power-Retail sales-Pincher Creek For large infrastructure projects ... RE201 Oil sands development General remarks ... RE192 Electric power, cogeneration of ... RE192 Electric power–Supply

General remarks ... RE191, RE192

Standards for ... RE178

Bahry, Evan (Executive Director, Independent Power Balaban, Dan (President, Greengate Power **Producers Society of Alberta**) (Continued) **Corporation**) (Continued) Oil sands development-Syria Gas, Natural-Regulations Initiatives re ... RE198 Deregulation ... RE180 Petrochemical industry Greengate Power Corporation Electric power, cogeneration of ... RE192 General remarks ... RE176-77 Petrochemical industry-Joffre Presentation to committee ... RE176-80 General remarks ... RE192 Greenhouse gas emissions Research and development Reduction of ... RE176, RE177 Electric power, economic aspects of ... RE204 Statistics on ... RE177 Rural electrification associations Halkirk Wind Project Construction of ... RE176 Role of ... RE192 Oil sands development-Environmental aspects TransAlta Vertical integration of ... RE192 General remarks ... RE177 Greenhouse gas emissions ... RE177 Wind power Oil sands development-Research Alberta strategy re ... RE198 General remarks ... RE177 Future use of ... RE198 Research and development Impact on price of electricity ... RE193 Impact on oil sands development ... RE177 Statistics on ... RE192 Rural economic development Transmission of ... RE203, RE204 Impact of wind power industry on ... RE176 Wind power–Environmental aspects Wind power General remarks ... RE193 Alberta strategy re ... RE177, RE178, RE179, RE180 Balaban, Dan (President, Greengate Power Economic feasibility of ... RE176 Corporation) Funding for ... RE178, RE180 Future use of ... RE176, RE178, RE179, RE180 Alberta Electric System Operator Role of ... RE178, RE180 Hydrogen conversion and storage ... RE180 Carbon dioxide emissions Infrastructure needs ... RE179 Reduction in ... RE179 Role in rural economic development ... RE176 Climate change Standards re ... RE179 Alberta plan for ... RE178 Statistics on ... RE176, RE178 Committee on Resources and Environment, Standing-Storage of ... RE180 Public meetings and inquiries Technologies related to ... RE180 Meeting with Greengate Power: Presentation and Transmission of ... RE176–77, RE178 Use of farmland for ... RE176 discussion ... RE176-80 Economic development and the environment Variability in generation of ... RE180 Role of wind power in ... RE176 Wind power–Environmental aspects Electric power General remarks ... RE177 Export of ... RE179-80 Wind power–Europe Future use of ... RE180 Initiatives re ... RE176 Electric power, Coal-produced Wind power–Europe–Denmark Clean energy standards for ... RE177 Initiatives re ... RE178 Greenhouse gas emissions ... RE178 Wind power-Ontario Electric power lines-Construction Initiatives re ... RE176, RE180 Alberta strategy re ... RE177, RE179 Wind power-Paintearth County Impact on wind power development ... RE180 General remarks ... RE176 Electric utilities–Regulations Wind power–Stettler Deregulation ... RE176, RE178 General remarks ... RE176 Impact on wind power industry ... RE177 Berger, Evan (PC, Livingstone-Macleod) Review of ... RE177 Agricultural boards and commissions Energy, Clean Service fees of, refundability ... RE142, RE143 Standards re ... RE177, RE178-79, RE179, RE180 Agricultural subsidies Energy, Clean–United States General remarks ... RE142 Standards re ... RE177 Alberta Council of Technologies Energy industry Presentation to committee ... RE62-63 Greenhouse gas emissions, statistics on ... RE177 Alberta Federation of Rural Electrification Associations Energy industry-Ontario Presentation to committee ... RE190 Regulation of ... RE178 Alberta Government Offices Energy resources-Export Evaluation of ... RE85 General remarks ... RE180 Alberta Livestock Information System Energy resources, Alternate/renewable Traceability component ... RE142 Auditor General Future use of ... RE180 Resource royalty system comments ... RE121 Standards re ... RE178, RE179 Storage of ... RE180 Resource royalty system, former Auditor General's report on ... RE121 Targets for ... RE177 Calgary Power Energy resources, Alternate/renewable-United States

General remarks ... RE190

Berger, Evan (PC, Livingstone-Macleod) (Continued) Berger, Evan (PC, Livingstone-Macleod) (Continued) Canadian Wheat Board Fusion energy projects–Economic aspects (Continued) Economic return on investment in ... RE62-63 Alberta position on ... RE142–43 Global economic investment in ... RE62 Climate change Impact on construction industry ... RE62-63 North American harmonization of policy re ... RE83-84 Impact on laser technology industry ... RE62-63 Committee on Resources and Environment, Standing-Fusion energy projects–Russia Development of ... RE62 Public meetings and inquiries Gas, Natural Meeting with ACT: Presentation and discussion ... Use in electric power generation ... RE202 RE62-63 Hydrogen fuel Meeting with Alberta Federation of Rural As future energy source ... RE62–63 Electrification Associations: Presentation and International finance discussion ... RE190 Crisis in, 2008, impact on Alberta economy ... Meeting with Enmax: Presentation and discussion ... **RE121 RE202** Irrigation-Finance Construction industry General remarks ... RE141–42 Impact of fusion energy projects on ... RE62-63 Laser technology industry Control technology industry Impact of fusion energy projects on ... RE62–63 Impact of fusion energy projects on ... RE62-63 National Ignition Facility, Laurence Livermore National Dept. of Agriculture and Rural Development Laboratory, California Estimates, 2009-10, debated ... RE141-43 Fusion energy project at ... RE62-63 Dept. of Energy (Alberta) Natural resources revenue Estimates, 2009-10, debated ... RE120-22 General remarks ... RE120 Dept. of International and Intergovernmental Relations Oil sands development–Environmental aspects Estimates, 2009-10, debated ... RE83-85 U.S./world reaction to Alberta situation ... RE84 Electric power Royalty structure (Energy resources) Export of ... RE202 Auditor General's comments re ... RE121 Future planning by ... RE62-63 Former Auditor General's comments re ... RE121 Electric power–Calgary Royalty structure (Energy resources)-Alaska Wind power as a source of ... RE202 General remarks ... RE120-21 Electric power–Retail sales Rural electrification associations Impact of transmission costs on prices ... RE190 Electric power lines, construction of ... RE190 Electric power–Supply Wind power Future shortages of ... RE62-63 Alberta strategy re ... RE202 General remarks ... RE122, RE190 Electric power, Coal-produced Impact on price of electricity ... RE190 Future shortages of ... RE62-63 Statistics on ... RE202 Electric power lines-Construction Transmission of ... RE190, RE202 Alberta strategy re ... RE190 Use of peaking technology in ... RE202 Impact on alternate energy production ... RE122 Wheeling charges ... RE190 Twinning of lines, alternatives to ... RE190 Wholesale industry ... RE190 Electric power plants Wind power–Environmental aspects Peaking plants ... RE202 General remarks ... RE202 Enbridge Inc. Blakeman, Laurie (AL, Edmonton-Centre) Planning for energy shortages ... RE62-63 Air quality-Monitoring Energy-Supply General remarks ... RE160-61 Future shortages of ... RE62-63 Alberta Council of Technologies Energy industry Appreciation for ... RE62 Impact of global economic crisis on ... RE121 Presentation to committee ... RE62, RE65, RE66 Junior companies in, incentives for ... RE121–22 Alberta Federation of Rural Electrification Associations **Enmax Corporation** Presentation to committee to be forwarded to Opposition to electric power line construction (Bill relevant departments, motion to approve (Passed) 50) ... RE202 Presentation to committee ... RE202 Alberta Geothermal Energy Association Food industry and trade Presentation to committee to be forwarded to General remarks ... RE142-43 relevant departments, motion to approve (Passed) Food safety ... RE205 Funding for ... RE142 Alberta Land Stewardship Act (Bill 36, 2009) FortisAlberta General remarks ... RE150 General remarks ... RE190 Alberta Water Council Fusion energy projects Funding for ... RE153 Global economic investment in ... RE62 Water allocation consultations ... RE152 Fusion energy projects-Canada Auditor General Other jurisdictions ... RE62-63 Climate change plan comments ... RE155 Fusion energy projects-China Energy dept. recommendations ... RE118–19 Development of ... RE62 Reclamation cleanup costs comments ... RE162 Fusion energy projects–Economic aspects Sand and gravel royalties comments ... RE100-01

Availability of energy source ... RE62-63

Blakeman, Laurie (AL, Edmonton-Centre) (Continued) Blakeman, Laurie (AL, Edmonton-Centre) (Continued) Canada ecoTrust for Clean Air and Climate Change Energy resources, Alternate/renewable Disadvantages of ... RE66 Funding from ... RE155, RE162 General remarks ... RE118 Canadian Wind Energy Association Energy resources, Alternate/renewable-Europe Presentation to committee to be forwarded to Use of farmland for ... RE66 relevant departments, motion to approve (Passed) **Energy Resources Conservation Board** ... RE205 Auditor General's recommendations re ... RE119 Capital Power Corporation Funding for ... RE118 Presentation to committee to be forwarded to **Enmax Corporation** relevant departments, motion to approve (Passed) Presentation to committee to be forwarded to ... RE205 relevant departments, motion to approve (Passed) Clean Air Strategic Alliance ... RE205 Projects by ... RE160 Environmental impact assessments Climate change Cumulative assessments ... RE149, RE151, RE152 Alberta plan for ... RE154–55 Environmental law/regulations Auditor General's comments re ... RE155 Inspectors for ... RE162 Impact of fusion energy projects on ... RE66 Environmental monitoring Climate Change and Emissions Management Fund Funding cuts for ... RE162 Levy on polluters to create ... RE155 Environmental monitoring, Community-based Committee on Resources and Environment, Standing-Fort Chipewyan area monitoring ... RE150 Public meetings and inquiries Estimates of Supply, Main Committee to report to relevant departments on Amendment to Environment estimates, motion for ... presentations by all groups appearing before committee, motion to approve (Passed) ... RE205 Fines (Pollution offences) Meeting with ACT: Presentation and discussion ... General remarks ... RE152 RE62, RE65, RE67 Fusion energy Cumulative Environmental Management Association Conditions for production of ... RE62 First Nations participation in ... RE149 Fusion energy projects As scalable technology ... RE66 Funding for ... RE149 General remarks ... RE149 Fast ignition process in ... RE65 Dept. of Advanced Education and Technology Overview of ... RE62 Report on presentations by relevant groups Fusion energy projects-Alberta Canada-US partnerships re, proposal for ... RE65 appearing before committee to be forwarded to, motion to approve (Passed) ... RE205 Development phases for ... RE65 Dept. of Energy (Alberta) Funding for, proposal for ... RE62, RE65 Auditor General's recommendations re ... RE118-19 Investment return from ... RE62 Fusion energy projects–Canada Canada-U.S. partnerships re, proposal for ... RE65 Estimates, 2009-10, debated ... RE118-19 Report on presentations by relevant groups Development phases for ... RE65 appearing before committee to be forwarded to, motion to approve (Passed) ... RE205 Funding for, proposal for government ... RE62 Dept. of Environment Global partnerships re, proposal for ... RE65 History of ... RE65 Budget ... RE149, RE150-51 Estimates, 2009-10, debated ... RE149-55, RE160-Other jurisdictions ... RE65 Fusion energy projects–Economic aspects Estimates, 2009-10, debated: Amendment motion re Economic return on investment in ... RE62, RE66 ... RE154 Evaluation of, re triple bottom line ... RE66 Report on presentations by relevant groups Funding for, proposal for ... RE62, RE65 Impact on laser technology industry ... RE62, RE66 appearing before committee to be forwarded to, motion to approve (Passed) ... RE205 Impact on manufacturing industry ... RE66 Dept. of Sustainable Resource Development Impact on photonics industry ... RE62, RE66 Estimates, 2009-10, debated ... RE100-02 Fusion energy projects-Environmental aspects Lands division, budget for ... RE100 Evaluation of, re triple bottom line ... RE66 **Ducks Unlimited** Impact on environment of ... RE66 Wetland restoration initiatives ... RE154 Worst-case scenario re ... RE62 Fusion energy projects-Europe Electric meters, Smart General remarks ... RE118 Global partnerships re ... RE65 Electric power–Supply Fusion energy projects-Japan Future shortages of ... RE62 Global partnerships re ... RE65 Electricity grid, Smart Fusion energy projects-Ontario History of ... RE62 General remarks ... RE118 Fusion energy projects-Social aspects Electronics industry Comparison with photonics industry ... RE66 Evaluation of, re triple bottom line ... RE66 Electronics industry-Europe Impact on society of ... RE66 Comparison with photonics industry ... RE62 Government programs Energy-Supply Triple bottom line (social, economic, environmental) Future shortages of ... RE62 for evaluation of ... RE66

Blakeman, Laurie (AL, Edmonton-Centre) (Continued) Greengate Power Corporation Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) Greenhouse gas emissions Comparison of coal-produced and fusion-produced

power re ... RE66 High Power Energy Research (HiPER)

EU fusion energy project at ... RE65

Hunting on private land

Access issues re ... RE102

Hydrogen sulphide emissions-Monitoring Exceeded occurrences ... RE161–62 General remarks ... RE161

Independent Power Producers Society of Alberta Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205

Institute of Laser Engineering, Japan Fusion energy project at ... RE65

Land-use framework

Funding for ... RE150-51 General remarks ... RE150

Regional advisory councils re, aboriginal membership on ... RE150

Regional advisory councils re, environmental expertise on ... RE150

Laser technology industry

Impact of fusion energy projects on ... RE62, RE66

Lower Athabasca Regional Advisory Council Aboriginal membership on ... RE150

Manufacturing industry

Impact of fusion energy projects on ... RE66

Microgeneration of electricity General remarks ... RE118

National Ignition Facility, Laurence Livermore National Laboratory, California

Canada-US partnership with, proposal for ... RE65 Fusion energy project at ... RE65

Fusion energy project at: Operational launch ... RE65

History of ... RE65

Photonics industry

Comparison with electronics industry ... RE66 Impact of fusion energy projects on ... RE66 Photonics industry–Europe

Comparison with electronics industry ... RE62

Reclamation of land

Cleanup costs funding requirements ... RE162 Gravel operations ... RE101-02

Wetland areas ... RE154

Royalty structure (Energy resources)

Auditor General's comments re ... RE119

Sand and gravel-Royalties

Auditor General's comments re ... RE100-01

Sierra Club of Canada

Presentation to committee to be forwarded to relevant departments, motion to approve (Passed)

South Saskatchewan land-use region Management of water in ... RE151

South Saskatchewan River basin

Management of water in ... RE151

Tritium and deuterium (hydrogen isotopes)

Use as fuel in fusion power generation ... RE62

Blakeman, Laurie (AL, Edmonton-Centre) (Continued)

Vehicles

Impact of electrification of ... RE62

Water for Life, Alberta's Strategy for Sustainability Funding for ... RE153

Water licences

Allocation of, FITFIR system re ... RE152 Usage of allocated water under ... RE152–53

Water treatment plants, Regional General remarks ... RE153

Watershed planning and advisory councils

Funding for ... RE153

Wetlands

Policy re ... RE153-54

Wind power

General remarks ... RE118

Bond, Leigh (Past Chairman, Alberta Geothermal **Energy Association**)

Alberta Geothermal Energy Association

Presentation to committee ... RE184, RE185 Committee on Resources and Environment, Standing—

Public meetings and inquiries

Meeting with Alberta Geothermal Energy Association: Presentation and discussion ... RE184, RE185

District energy systems

Use of solar power in ... RE185

Geothermal power

Residential installations ... RE185

Geothermal power-Europe-Sweden

Initiatives re ... RE185

Geothermal power–Prices

Residential versus commercial installations ... **RE185**

Geothermal power-United States

Cost of ... RE185

Solar power

Initiatives re ... RE185

Solar power-Okotoks

Initiatives re ... RE185

Thermal energy storage systems Initiatives re ... RE185

Boutilier, Guy C. (PC, Fort McMurray-Wood Buffalo)

Alberta Council of Technologies

Communications with Depts. of Energy, and Finance and Enterprise re fusion energy projects ... RE64-

Presentation to committee ... RE64-65, RE66

Alberta Electric System Operator

Enmax report reference to ... RE199

Alberta Energy Research Institute

Comparison with ARC ... RE66

Mandate to include fusion energy projects, proposal for ... RE64-66

Alberta Federation of Rural Electrification Associations

Presentation to committee ... RE189-90

Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205

Alberta Geothermal Energy Association

Presentation to committee ... RE183, RE185

Presentation to committee to be forwarded to

relevant departments, motion to approve (Passed) ... RE205

Alberta Research Council

Comparison with AERI ... RE66

History of research re oil sands extraction process ... **RE66**

Boutilier, Guy C. (PC, Fort McMurray-Wood Buffalo) Boutilier, Guy C. (PC, Fort McMurray-Wood Buffalo) (Continued) (Continued) Alberta Research Council (Continued) Dept. of Environment Mandate to include fusion energy projects, proposal Geothermal power, quality assurance programs ... for ... RE66 Biomass as energy source Report on presentations by relevant groups General remarks ... RE199 appearing before committee to be forwarded to, Black bear management motion to approve (Passed) ... RE205 Alberta strategy re ... RE174 Dept. of Finance and Enterprise Black bears Communications with ACT re fusion energy projects Human contact issues ... RE174 ... RE64-65 Shooting of at landfill site by Fish and Wildlife Dept. of Sustainable Resource Development officers ... RE174 Estimates, 2009-10, debated ... RE102-03 Canadarm District energy systems Impact of, re control technology industry ... RE64 Use of solar power in ... RE185 Canadian Wind Energy Association Electric power Presentation to committee to be forwarded to Cogeneration of ... RE199 relevant departments, motion to approve (Passed) Transmission of, Alberta policy re ... RE198-99 ... RE205 Transmission of, cost of ... RE199 Capital Power Corporation Electric power-Calgary Presentation to committee ... RE199 General remarks ... RE199 Presentation to committee to be forwarded to Electric power–Fort Macleod relevant departments, motion to approve (Passed) General remarks ... RE199 ... RE205 Electric power–Fort McMurray Carbon dioxide sequestration Cogeneration of ... RE199 Funding for projects re ... RE64 Electric power–Lethbridge Committee on Resources and Environment, Standing-General remarks ... RE199 Public meetings and inquiries Electric power-Prices Meeting with ACT: Presentation and discussion ... Wholesale market ... RE199 RE64–65, RE66 Electric power–Retail sales Meeting with Alberta Federation of Rural General remarks ... RE189 Electrification Associations: Presentation and Electric power, Coal-produced discussion ... RE189-90 Cost of ... RE199 Meeting with Alberta Geothermal Energy Electric power, Gas-produced Association: Presentation and discussion ... Cost of ... RE199 RE183, RE185 Electric power, Gas produced–Edmonton Meeting with Capital Power: Presentation and General remarks ... RE199 discussion ... RE198–99 Electric power lines Meeting with Enmax: Presentation and discussion ... Transmission of fusion-produced power on ... RE66 RE198-99 Electric power lines-Construction Meeting with Sierra Club of Canada: Presentation Alberta Electric System Operator role in ... RE199 and discussion ... RE174 Alberta strategy re ... RE199 Committee on Resources and the Environment, Cabinet Electric power lines–Construction–Edmonton to Calgary Policy (HVDC) Presentation by ACT to, proposal for ... RE65 Alberta strategy re ... RE198-99 Contaminated sites Electric power plants Use in electric power generation ... RE199 Control technology industry Location of ... RE198-99 Peaking plants ... RE199 Impact of Canadarm research on ... RE64 Electric power plants-Edmonton Coyotes Human contact issues ... RE174 Peaking plants, location of ... RE199 Dept. of Advanced Education and Technology Electric Statutes Amendment Act, 2009 (Bill 50) Mandate to include fusion energy projects, proposal Committee presentations re ... RE189 for ... RE64-65 General remarks ... RE189 Report on presentations by relevant groups Electric utilities-Regulations appearing before committee to be forwarded to, Deregulation ... RE189 motion to approve (Passed) ... RE205 **Enmax Corporation** Dept. of Energy (Alberta) Background report on electric power transmission ... Communications with ACT re fusion energy projects RE198-99 ... RE64–65 Presentation to committee ... RE198-99 General remarks ... RE189 Presentation to committee to be forwarded to Geothermal power, strategy re ... RE183 relevant departments, motion to approve (Passed) Mandate to include fusion energy projects, proposal ... RE205 for ... RE64-65 **EPCOR Group of Companies** Report on presentations by relevant groups Enmax report reference to ... RE199

Fish and Wildlife officers

Shooting of bears at landfill site ... RE174

appearing before committee to be forwarded to,

motion to approve (Passed) ... RE205

Boutilier, Guy C. (PC, Fort McMurray-Wood Buffalo) Boutilier, Guy C. (PC, Fort McMurray-Wood Buffalo) (Continued) (Continued) Fusion energy projects-Alberta Thermal energy storage systems Funding for, proposal for ... RE64–65 Initiatives re ... RE185 Fusion energy projects-Canada Use of existing electrical grids ... RE66 Use in electric power generation ... RE199 Fusion energy projects-Economic aspects Use of in solar power generation ... RE185 Economic return on investment in ... RE66 Water power Future use of ... RE199 Funding for, proposal for ... RE64–65 Impact on laser technology industry ... RE66 Wildlife management Human contact issues ... RE174 Fusion energy projects–Social aspects Wildlife-vehicle collisions Impact on society of ... RE66 Gas, Natural Cost of ... RE103 Use in electric power generation ... RE198–99 Wind power Geothermal power Potential for ... RE199 Alberta strategy re ... RE183 Chair (Prins, Ray) Commercial installations ... RE183 Alberta Council of Technologies Quality assurance programs ... RE183 Appreciation for ... RE67 Residential installations, cost of ... RE183 Presentation to committee to be forwarded to Geothermal power–Environmental aspects departments of Energy, Environment, and General remarks ... RE183 Advanced Education, motion to approve (Passed) Geothermal power-Nova Scotia Initiatives re ... RE183 Alberta Federation of Rural Electrification Associations Geothermal power–Prices Presentation to committee to be forwarded to Residential versus commercial installations ... relevant departments, motion to approve (Passed) **RE183 Greengate Power Corporation** Alberta Geothermal Energy Association Presentation to committee to be forwarded to General remarks ... RE169 relevant departments, motion to approve (Passed) Presentation to committee ... RE185 ... RE205 Presentation to committee to be forwarded to Grizzly bear management relevant departments, motion to approve (Passed) Alberta strategy re ... RE174 ... RE205 Grizzly bears Quality assurance programs ... RE185 Deaths of ... RE174 Canadian Wind Energy Association Human contact issues ... RE174 Presentation to committee to be forwarded to Independent Power Producers Society of Alberta relevant departments, motion to approve (Passed) Presentation to committee to be forwarded to ... RE205 relevant departments, motion to approve (Passed) Role of ... RE169 ... RE205 **Capital Power Corporation** Land-use framework General remarks ... RE191 Cost of ... RE102 Presentation to committee to be forwarded to Laser technology industry relevant departments, motion to approve (Passed) Impact of fusion energy projects on ... RE66 ... RE205 Committee on Members' Services, Standing History of research re extraction process ... RE64, Budget for committee, approval of ... RE68 RE66 Committee on Resources and Environment, Standing-Public lands Public meetings and inquiries Transfer to municipalities for one dollar ... RE102 Committee to report to relevant departments on Public lands-Urban areas-Fort McMurray presentations by all groups appearing before General remarks ... RE102 committee, motion to approve (Passed) ... RE67– Reclamation of land General remarks ... RE103 Meeting with Alberta Geothermal Energy Research and development Association: Presentation and discussion ... RE185 Funding for carbon dioxide sequestration ... RE64 Public meetings: Procedures at ... RE57 Funding for fusion energy projects, proposal for Role of ... RE189 government mandate to include ... RE64-65 Dept. of Advanced Education and Technology Sanitary landfills Report on presentations by relevant groups Management of ... RE174 appearing before committee to be forwarded to, Shooting of bears at by SRD personnel ... RE174 motion to approve (Passed) ... RE67–68, RE205 Sierra Club of Canada Dept. of Energy (Alberta) Presentation to committee ... RE174 Report on presentations by relevant groups Presentation to committee to be forwarded to appearing before committee to be forwarded to, relevant departments, motion to approve (Passed) motion to approve (Passed) ... RE68, RE205 ... RE205 Dept. of Environment Solar power Geothermal power, strategy re ... RE185 Initiatives re ... RE185 Report on presentations by relevant groups Solar power-Okotoks appearing before committee to be forwarded to, Initiatives re ... RE185

motion to approve (Passed) ... RE67-68, RE205

Chase, Harry (PC, Calgary-Varsity) (Continued)

Committee on Resources and Environment, Standing-

RE Index-54 Chair (Prins, Ray) (Continued) Dept. of International and Intergovernmental Relations Estimates, 2009-10, debated: Amendment motion re ... RE83, RE85 Electric power lines-Construction Alberta Electric System Operator role in ... RE199 Alberta strategy re ... RE200, RE201 Energy industry Lack of investment in fusion energy projects ... **RE63 Enmax Corporation** General remarks ... RE191 Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205 Estimates of Supply, Main Amendment to International and Intergovernmental Relations estimates, motion for ... RE83, RE85 Amendment to Sustainable Resource Development estimates, motion for ... RE92 Amendments procedure in ... RE69, RE89, RE107 Committee procedure re ... RE69-70, RE89, RE107 Vote on ... RE69, RE89, RE107 Fusion energy projects Funding from governments, not industry, for research re ... RE63 Fusion energy projects-Canada Other jurisdictions ... RE63 Geothermal power Alberta strategy re ... RE185 Lack of regulation of ... RE185 Legislation re ... RE185 Quality assurance programs ... RE185 Regulation of ... RE185 Geothermal power–Environmental aspects General remarks ... RE185 Geothermal power-Europe Legislation re ... RE185 Geothermal power-Manitoba Legislation re ... RE185 Go Geo Global LLC General remarks ... RE185 **Greengate Power Corporation** Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205 Groundwater Impact of geothermal power generation on ... RE185 Remediation of ... RE185 Independent Power Producers Society of Alberta Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205 Sierra Club of Canada Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205 Standing Orders Provisions for estimates debate ... RE69-70, RE89, RE107

Presentation to committee to be forwarded to

... RE68

departments of Energy, Environment, and

Advanced Education, motion to approve (Passed)

Public meetings and inquiries Committee to report to relevant departments on presentations by all groups appearing before committee, motion to approve (Passed) ... RE67-Meeting with ACT: Presentation and discussion ... RE63, RE66 $\,$ Dept. of Advanced Education and Technology Report on presentations by relevant groups appearing before committee to be forwarded to, motion to approve (Passed) ... RE68 Dept. of Energy (Alberta) Report on presentations by relevant groups appearing before committee to be forwarded to, motion to approve (Passed) ... RE68 Dept. of Environment Report on presentations by relevant groups appearing before committee to be forwarded to, motion to approve (Passed) ... RE68 Energy resources, Alternate/renewable Storage of ... RE66 Fusion energy Conditions for production of ... RE63, RE66 Fusion energy projects–Economic aspects Economic return on investment in ... RE63 Impact of hydrogen fuel on economy ... RE66 Fusion energy projects-Environmental aspects Impact of hydrogen fuel from ... RE66 Hydrogen fuel As future energy source ... RE66 As output in fusion-produced energy ... RE66 National Ignition Facility, Laurence Livermore National Laboratory, California Fusion energy project at ... RE63 Research and development Funding for ... RE66 Solar power Storage of ... RE66 Tritium and deuterium (hydrogen isotopes) Use as fuel in fusion power generation ... RE63 Wind power Storage of ... RE66 Dallas, Cal (PC, Red Deer-South) Alberta Electric System Operator Transmission infrastructure plan ... RE203-04 Calgary General remarks ... RE203 Calgary Flames Hockey Club General remarks ... RE203 Calgary Stampeder Football Club General remarks ... RE203 Capital Power Corporation Presentation to committee ... RE203-04 Committee on Resources and Environment, Standing-Public meetings and inquiries Meeting with Capital Power: Presentation and discussion ... RE203-04 Meeting with Enmax: Presentation and discussion ... RE203-04 Impact of geothermal power generation on ... RE185 Meeting with IPPSA: Presentation and discussion ... Rural Alberta ... RE185 RE203-04 Chase, Harry B. (AL, Calgary-Varsity) Economic growth Alberta Council of Technologies Importance of electric power to ... RE203 Presentation to committee ... RE63, RE66

Electric power

Cogeneration of ... RE203-04

Research and development ... RE203

Future use of ... RE203

Dallas, Cal (PC, Red Deer-South) (Continued) Denis, Hon. Jonathan (PC, Calgary-Egmont) (Continued) Electric power–Joffre Enmax Corporation (Continued) General remarks ... RE203-04 Presentation to committee ... RE197, RE198, RE200, Electric power–Prices **RE204** Impact of power line construction on ... RE203-04 **EPCOR Group of Companies** Electric power lines Electric power billing, local access (municipal Importance to fuel diversity of ... RE203-04 franchise) fees element ... RE200 Electric power lines-Construction Geothermal power Alberta strategy re ... RE203 Alberta strategy re ... RE183 General remarks ... RE204 Future use of ... RE183 Timing/scope of new projects ... RE203-04 Retrofitting versus new construction ... RE183 Electric power plants **Greengate Power Corporation** Location of ... RE203-04 Presentation to committee ... RE178 Electric utilities-Regulations Independent Power Producers Society of Alberta Enmax position on ... RE203-04 Presentation to committee ... RE204 **Enmax Corporation** Wind power Presentation to committee ... RE203-04 Transmission of ... RE178 Independent Power Producers Society of Alberta Deputy Chair (Blakeman, Laurie) Electric power generation, Alberta policy re ... Estimates of Supply, Main RE203-04 Amendments procedure in ... RE127 Presentation to committee ... RE203-04 Committee procedure re ... RE127 Oil sands development Vote on ... RE127 Electric power, cogeneration of ... RE203-04 Standing Orders Impact on economy of ... RE203-04 Provisions for estimates debate ... RE127 Red Deer Drysdale, Wayne (PC, Grande Prairie-Wapiti) General remarks ... RE203 Alberta Council of Technologies Research and development Presentation to committee ... RE65 Electric power, economic aspects of ... RE203 Alberta Electric System Operator Wind power Enmax Corporation offer to re regulations ... RE200 Transmission of ... RE203-04 Role of ... RE199, RE200 Denis, Hon. Jonathan (PC, Calgary-Egmont) Transmission infrastructure plan ... RE199 Alberta Geothermal Energy Association Biofuels industry Presentation to committee ... RE183 Benchmarks for, re greenhouse gas emissions Alberta Utilities Commission reduction ... RE124-25 Role of ... RE197 Carbon dioxide sequestration **Capital Power Corporation** Funding for projects re ... RE124 Presentation to committee ... RE204 Committee on Resources and Environment, Standing-Committee on Resources and Environment, Standing-Public meetings and inquiries Public meetings and inquiries Meeting with ACT: Presentation and discussion ... Meeting with Alberta Geothermal Energy RE65 Association: Presentation and discussion ... RE183 Meeting with Enmax: Presentation and discussion ... Meeting with Capital Power: Presentation and RE199-200 discussion ... RE204 Dept. of Energy (Alberta) Estimates, 2009-10, debated ... RE124–25 Meeting with Enmax: Presentation and discussion ... RE197, RE198, RE200, RE204 General remarks ... RE199 Meeting with Greengate Power: Presentation and Dept. of International and Intergovernmental Relations discussion ... RE178 Estimates, 2009-10, debated ... RE82, RE87 Meeting with IPPSA: Presentation and discussion ... Electric power RE204 Cogeneration of ... RE200 Electric power Generation of, Alberta strategy re ... RE200 Residential use of ... RE197 Import of ... RE199 Electric power–Prices Transmission of, cost of ... RE199 Impact of infrastructure costs on ... RE198 Electric power-Calgary Wholesale market ... RE197–98, RE198 Statistics on ... ŘE199 Electric power-Retail sales-Calgary Electric power–Environmental aspects Billing systems, local access (municipal franchise) Greenhouse gas emissions ... RE200 fees element ... RE197-98, RE200 Electric power-High River General remarks ... RE197 Electric power-Retail sales-Edmonton General remarks ... RE200 Electric power lines-British Columbia Billing systems, local access (municipal franchise) fees element ... RE198, RE200 Electric power lines—Construction Interties with Alberta ... RE199 Electric power lines-Construction Alberta strategy re ... RE200 Timing/scope of new projects ... RE204 Electric power lines-Construction-Edmonton to Calgary Electric utilities-Regulations (HVDC) Impact on costs to consumers ... RE197 Alberta strategy re ... RE199 **Enmax Corporation** General remarks ... RE199 Electric power, costs to consumers ... RE197

Electric power billing, local access (municipal franchise) fees element ... RE198, RE200

Use of direct current in ... RE199

RE Index-56 2009 Resources and Environment Committee Speaker Index Drysdale, Wayne (PC, Grande Prairie-Wapiti) Fedosejevs, Dr. Robert (Scientific Director, Canadian **Institute for Photonic Innovations**) (Continued) (Continued) Energy resources, Alternate/renewable Electric power plants Location of ... RE199–200 Storage of ... RE66 Electric power plants-Calgary Fusion energy Location of ... RE200 Conditions for production of ... RE63, RE66 Electric utilities-Regulations Fusion energy projects Fast ignition process in ... RE64 Enmax position on ... RE199-200 Enmax Corporation Fusion energy projects-Alberta Canada-US partnerships re, proposal for ... RE64 Electric power lines, position on ... RE199 Development phases for ... RE64 Electric power plants ... RE200 Fusion energy projects-Canada Canada-U.S. partnerships re, proposal for ... RE64 Presentation to committee ... RE199-200 **Environment Canada** Development phases for ... RE64 Communications with ACT re fusion energy projects Global partnerships re, proposal for ... RE64 ... RE65 History of ... RE64 Fusion energy projects-Alberta Provincial-federal relations re ... RE65 Other jurisdictions ... RE64 Fusion energy projects-Canada Fusion energy projects–Economic aspects Provincial-federal relations re ... RE65 Economic return on investment in ... RE63-64 Fusion energy projects—Ontario History of ... RE65 Evaluation of, re triple bottom line ... RE67 Impact of hydrogen fuel on economy ... RE66 Impact on photonics industry ... RE67 Fusion energy projects-Quebec Fusion energy projects-Environmental aspects History of ... RE65 Evaluation of, re triple bottom line ... RE67 Independent Power Producers Society of Alberta Impact of hydrogen fuel from ... RE66 Ĝeneral remarks ... RE199 Impact of output ash (helium) from ... RE67 International trade General remarks ... RE82 Impact on environment of ... RE67 Fusion energy projects-Social aspects Interprovincial trade Evaluation of, re triple bottom line ... RE67 Internal trade agreement, impact of TILMA on ... Impact on society of ... RE67 National Research Council Government programs Triple bottom line (social, economic, environmental) Communications with ACT re fusion energy project for evaluation of ... RE67 ... RE65 Natural Resources Canada Greenhouse gas emissions Comparison of coal-produced and fusion-produced Communications with ACT re fusion energy project power re ... RE67 Natural Sciences and Engineering Research Council of Helium As output in fusion-produced energy ... RE67 Canada High Power Energy Research (HiPER) Communications with ACT re fusion energy projects ... RE65 EU fusion energy project at ... RE64 North American free trade agreement Hydrogen fuel Renegotiation suggestions re ... RE82 As future energy source ... RE66 As output in fusion-produced energy ... RE66 Renegotiation suggestions re, impact on softwood Laser technology industry lumber agreement ... RE82 Softwoods–Export–United States Impact of fusion energy projects on ... RE67 Framework agreement re, April 27, 2006: Impact of National Ignition Facility, Laurence Livermore National NAFTA renegotiation on ... RE82 Laboratory, California Canada-US partnership with, proposal for ... RE64 Trade, Investment and Labour Mobility Agreement Fusion energy project at ... RE63 (Alberta /British Columbia) Impact on agreement on internal trade ... RE87 Photonics industry Implementation of ... RE87 TransCanada Pipelines Limited Comparison with electronics industry ... RE67 Impact of fusion energy projects on ... RE67 Electric power, generation of ... RE200 Solar power Wind power Storage of ... RE66 General remarks ... RE199 Tritium and deuterium (hydrogen isotopes) Use as fuel in fusion power generation ... RE63 Fedosejevs, Dr. Robert (Scientific Director, Canadian Wind power **Institute for Photonic Innovations**) Storage of ... RE66 Alberta Council of Technologies Griffiths, Doug (PC, Battle River-Wainwright)

Biodiversity

Climate change

General remarks ... RE100

Chronic wasting disease

Testing for ... RE99

Funding for ... RE163

Presentation to committee ... RE63–64, RE66–67

Climate change

Impact of fusion energy projects on ... RE67

Committee on Resources and Environment, Standing-Public meetings and inquiries

Meeting with ACT: Presentation and discussion ... RE63-64, RE66-67

Electronics industry

Comparison with photonics industry ... RE67

Griffiths, Doug (PC, Battle River-Wainwright) Groeneveld, Hon. George (PC, Highwood) (Continued) Alberta farm fuel benefit program (Continued) Deer-Alberta/Saskatchewan border area Auditor General's remarks re ... RE141 Alberta farm recovery program Funding for ... RE128, RE129, RE130 Culling of, due to CWD threat ... RE99 Dept. of Environment Estimates, 2009-10, debated ... RE163-64 Alberta Livestock and Meat Agency Dept. of Sustainable Resource Development Board governance ... RE131 Estimates, 2009-10, debated ... RE99-100 Board governance, funding for ... RE135 Code of conduct in ... RE131 Lands division, budget for ... RE99 Food safety initiatives ... RE135-36 Energy conservation General remarks ... RE128, RE130 Public involvement, performance measures re ... Alberta Livestock and Meat Strategy General remarks ... RE128, RE129, RE143 RE163 Herbicide-fertilizer combination products Increase in funding for ... RE127 Ban on ... RE163 Alberta Livestock Information System Pesticides Traceability component ... RE128, RE132–33, Ban on ... RE163 Pine beetles-Control RE138-39, RE142 Funding for ... RE99 Traceability component, federal involvement ... Public lands-Urban areas RE132-33 Sale of, to purchase land for conservation projects ... **Auditor General** RE99-100 Farm fuel benefit program comments ... RE141 Sewage disposal plants, Regional Food safety programs comments ... RE137 Funding for ... RE164 Beef-Export Impact of BSE outbreak on ... RE128 Water conservation Importance of age verification of cattle to ... RE142 Public involvement, performance measures re ... Bioindustrial technology **RE163** Funding for ... RE145 Water licences Bovine spongiform encephalopathy Trading system for ... RE164 Usage of allocated water under ... RE163-64 Impact on beef exports ... RE128, RE129, RE130, **ŘE143** Water licences-Australia Trading system for ... RE164 Testing for ... RE143 Canadian agriculture income stabilization program Water meters Replaced by AgriStability program ... RE144 Number of ... RE163 Canadian Wheat Board Water quality Alberta position on ... RE143 Performance measures re ... RE163 Water treatment plants, Regional Cattle price insurance program Funding for ... RE164 General remarks ... RE128, RE130, RE145 Community Development Trust (Federal fund) Wildfires-Control Application to agricultural issues ... RE127, RE139-Funding for ... RE99 Groeneveld, Hon. George (PC, Highwood) Dept. of Agriculture and Rural Development 4-H clubs Budget ... RE127 Farm safety education in ... RE136-37 Estimates, 2009-10, debated ... RE127-46 Abattoirs Expenditures increase in ... RE129, RE138 Food safety standards in ... RE133-34 Disaster relief Agricultural boards and commissions Agricultural claims ... RE133 Service fees of, refundability ... RE141, RE142 Farm produce-Export Agriculture Country of origin label regulation for ... RE128, General remarks ... RE128 RE143, RE146 Government assistance programs ... RE130, RE134 General remarks ... RE128 Government expenditures increase re ... RE129, Farm safety **RE138** Initiatives re ... RE127–28, RE136–37, RE140 Agriculture- Finance Food chain traceability Federal funding for ... RE139-40 General remarks ... RE138-39 Agriculture-Research Food industry and trade Funding decrease for ... RE137 General remarks ... RE128, RE143 Funding for ... RE145 Food safety Agriculture Financial Services Corporation Auditor General's comments re ... RE137 Insurance programs ... RE128, RE129 Funding for ... RE131-32, RE133-34, RE135-36 Loan limits increase ... RE128 General remarks ... RE142 Loans for abattoir food safety improvements ... Standards re, for abattoirs ... RE133-34 **RE133** Foreign workers, Temporary Provincial funding for ... RE144-45 Farm safety education for ... RE136-37 Surpluses ... RE144 Growing Forward: The New Agricultural Policy AgriRecovery (Federal/provincial initiative) Framework (Federal/provincial) General remarks ... RE133 Automation and lean manufacturing element ... AgriStability (Federal/provincial initiative) **RE139** General remarks ... RE144

Increase in funding for ... RE127

General remarks ... RE134, RE139

Alberta plan for ... RE177

Groeneveld, Hon. George (PC, Highwood) (Continued) Hehr, Kent (L, Calgary-Buffalo) (Continued) H1N1 influenza virus CN Rail Appearance in central Alberta pig herd ... RE129, Oil shipments to west coast ... RE76 RE132-33 Committee on Resources and Environment, Standing-Hail and crop insurance program Public meetings and inquiries Increase in funding for ... RE127, RE128 Meeting with Enmax: Presentation and discussion ... Hog industry **RE200** Impact of H1N1 influenza virus on ... RE129, Meeting with Greengate Power: Presentation and RE132-33 discussion ... RE177 Irrigation-Finance Meeting with Sierra Club of Canada: Presentation General remarks ... RE141–42 and discussion ... RE173 Livestock industry Dept. of Education General remarks ... RE130, RE143 Minister's travel to Washington, D.C. ... RE77 Prion research Dept. of International and Intergovernmental Relations Funding for ... RE136, RE143 Estimates, 2009-10, debated ... RE75-77, RE82-83 Rural economic development Estimates, 2009-10, debated: Amendment motion re General remarks ... RE128, RE139-40 ... RE83 Sewage disposal plants Minister's travel ... RE76-77 Funding for ... RE146 Dept. of Sustainable Resource Development Specified risk material (Cattle parts) Estimates, 2009-10, debated ... RE90-97, RE103-05 Disposal of, funding for ... RE131-32, RE135-36, Estimates, 2009-10, debated: Amendment motion re RE141, RE143 ... RE92 University of Alberta Electric power Agricultural research at ... RE145 Cogeneration of, future use of ... RE200 World Trade Organization Transmission of, cost of ... RE200 Agricultural subsidies issue ... RE129 Electric power–Fort McMurray Hehr, Kent (L, Calgary-Buffalo) Local generation of ... RE200 Alberta Association of Municipal Districts and Counties Electric power, Coal-produced Rejection of provincial recreational access Greenhouse gas emissions ... RE177 management plan (RAMP) ... RE95 Electric power lines Alberta Electric System Operator Future use of ... RE200 Transmission infrastructure plan ... RE200 Electric power lines-Construction Alberta Fish and Game Association Alberta Electric System Operator role in ... RE200 Rejection of provincial recreational access Cost of ... RE200 management program (RAMP) ... RE95 Timing/scope of new projects ... RE200 Alberta Government Offices Electric power plants General remarks ... RE76 Peaking plants ... RE200 Washington, D.C. office: Head of ... RE75-76, Electric power plants-Calgary Location of ... RE200 Alberta Grizzly Bear Recovery Plan 2008-2013 Electric power plants-Crossfield General remarks ... RE173 Peaking plants ... RE200 Alberta Sustainability Fund Electric power plants-Shepard Wildfire control funded through ... RE96 Generation of ... RE200 Auditor General Electric utilities–Regulations NRCB regulations re confined feeding operations Deregulation ... RE177 recommendation ... RE104 Enmax position on ... RE200 Sand and gravel royalties comments ... RE103-04 Enbridge Inc. Beef-Export Northern Gateway pipeline to west coast ... RE76 Impact of BSE outbreak on ... RE76 Endangered wildlife species Role of Alberta overseas offices in facilitating ... Funding for ... RE92 RE76 Energy, Clean Bovine spongiform encephalopathy Standards re ... RE177 Impact on beef exports ... RE76 Energy Independence and Security Act of 2007 (United Calgary Regional Partnership Land-use planning, integration with provincial land-Role of Alberta's Washington representative re ... use framework ... RE91 RE75-76, RE83 Caribou habitat Energy industry-Ontario Maintenance of ... RE92 Regulation of ... RE177 China-Alberta petroleum centre Energy resources-Export-China Budget for ... RE76 Chronic wasting disease General remarks ... RE76 Presence on game farms ... RE93 Energy resources, Alternate/renewable-United States Testing for ... RE94 Standards for ... RE177 Chronic wasting disease-Control **Enmax Corporation** By hunting ... RE93-94 Electric power plants ... RE200 Climate change Presentation to committee ... RE200

Hehr, Kent (L, Calgary-Buffalo) (Continued) Hehr, Kent (L, Calgary-Buffalo) (Continued) Estimates of Supply, Main Solar power Amendment to International and Intergovernmental Future use of ... RE200 Relations estimates, motion for ... RE83 Travel at public expense Amendment to Sustainable Resource Development General remarks ... RE76-77 estimates, motion for ... RE92-93 Wildfires-Control Funding for ... RE96 Game farming Chronic wasting disease issue in ... RE93 Wind power **Greengate Power Corporation** Alberta strategy re ... RE177 Presentation to committee ... RE177 Funding for ... RE177 Grizzly bears-Populations Statistics on ... RE177 Recovery of ... RE92 Hennig, Glenn (Director of Operations, Alberta Recovery of, funding for ... RE173 Federation of Rural Electrification Associations) Hunting Alberta Association of Municipal Districts and Counties As control method for chronic wasting disease ... Electrical power, purchase of ... RE188 RE93-94 Alberta Electric System Operator Hunting for habitat program (Hunter access to private Role of ... RE188, RE190 land) Transmission infrastructure plan ... RE189 Discontinuation of ... RE95 Alberta Energy Savings LP Hunting tourism General remarks ... RE188 General remarks ... RE96 Alberta Federation of Rural Electrification Associations Industrial development-Industrial Heartland area Presentation to committee ... RE187-91 General remarks ... RE103-04 Role of ... RE187, RE189 International trade-Asia Battle River Rural Electrification Association General remarks ... RE76 Regulation of rates ... RE188 Land-use framework BP Canada General remarks ... RE91 General remarks ... RE188 Integration with Municipal Government Act ... Central Alberta Rural Electrification Association RE91-92 Regulation of rates ... RE188 Public input into ... RE91 Committee on Resources and Environment, Standing-Relation to oil sands development strategy ... Public meetings and inquiries RE104-05 Meeting with Alberta Federation of Rural Land-use plan-Edmonton area Electrification Associations: Presentation and Integration with provincial land-use framework ... discussion ... RE187-91 RE91 Constellation Energy Land Use Secretariat General remarks ... RE188 General remarks ... RE91 Coral Energy Livestock industry, Intensive-Environmental aspects General remarks ... RE188 Enforcement of regulations re, Auditor General's Dept. of Energy (Alberta) recommendation re ... RE104 General remarks ... RE189 Direct Energy As pine bark beetle control method ... RE96–97 Regulation of rates ... RE188 Municipal Government Act **Duffield Rural Electrification Association** Integration with provincial land-use framework ... Regulation of rates ... RE188 RE91-92 Electric power Natural Resources Conservation Board Alberta strategy re ... RE187–89, RE190 Confined feeding operations regulation, Auditor Regulation of rates ... RE188 General's recommendation re ... RE104 Statistics on ... RE187 Oil sands development Electric power–Lethbridge Strategy re: Relation to land-use framework ... Regulation of rates ... RE188 RE104-05 Electric power–Prices Timing/scope of new projects (growth issues) ... Impact of market competition on ... RE187-89 RE105 Electric power–Retail sales Oil sands development–Environmental aspects General remarks ... RE188, RE189, RE190 General remarks ... RE104-05 Market competition ... RE188, RE190 Open Spaces program Electric power–Retail sales–Calgary Discontinuation of ... RE94 General remarks ... RE190 Pine beetles–Control Electric power–Retail sales–Edmonton General remarks ... RE96-97 General remarks ... RE190 Reclamation of land Electric power-Retail sales-Vegreville Gravel operations ... RE103 General remarks ... RE190 Recreational access management program (Hunter Electric power–United States access to private land) General remarks ... RE187 Electric power, Coal-produced Pilot projects re ... RE94-96 Sand and gravel–Royalties Variability in ... RE187 Revenue from ... RE103-04 Electric power lines-Construction Sierra Club of Canada Alberta strategy re ... RE188, RE189

Impact on market competition ... RE190

Presentation to committee ... RE173

| Hennig, Glenn (Director of Operations, Alberta Federation of Rural Electrification Associations) | Hennig, Glenn (Director of Operations, Alberta Federation of Rural Electrification Associations) |
|---|---|
| (Continued) | (Continued) |
| Electric power lines–Construction–Edmonton to Calgary (HVDC) | Spot Power General remarks RE188 |
| Alberta strategy re RE190 | TransCanada Pipelines Limited |
| General remarks RE188 | General remarks RE188 |
| Electric power plants—Calgary | Utilities Consumer Advocate |
| General remarks RE190 | Role of RE190 |
| Electric Statutes Amendment Act, 2009 (Bill 50) | Valeo Power |
| Committee presentations re RE189 | General remarks RE188 |
| General remarks RE189–90 | Wild Rose Rural Electrification Association |
| Opposition to RE188, RE190 | Regulation of rates RE188 |
| Opposition to by Enmax RE190 | Wind power |
| Electric utilities–Regulations | Enmax involvement in RE188 |
| Deregulation RE188–89, RE190 | Future use of RE189 |
| Energy contracts | General remarks RE191 |
| Fixed-rate RE188 | Impact on price of electricity RE189 |
| Energy contracts, Residential | Transmission of RE189 |
| General remarks RE190 | Variability in generation of RE187 |
| Enmax Corporation | Wheeling charges RE191 |
| Electric power, regulation of RE188 | Wholesale industry RE190 |
| Opposition to electric power line construction (Bill | Herrero, Steve (Professor Emeritus of Environmental |
| 50) RE188, RE190 Patril markets share of PE188 | Science, University of Calgary) |
| Retail markets, share of RE188 Statistics on RE188 | Alberta |
| Wind power, initiatives re RE188 | History of RE170 |
| EPCOR Group of Companies | Banff National Park |
| General remarks RE190 | Grizzly bear population RE170, RE171–72 |
| Regulation of rates RE188 | Black bear management Alberta strategy re RE174 |
| EPCOR Merchant and Capital Inc. | Black bears |
| General remarks RE188 | Human contact issues RE170, RE174 |
| Ermineskin Rural Electrification Association | Shooting of at landfill site by Fish and Wildlife |
| Regulation of rates RE188 | officers RE174 |
| Hutterites | Bow River basin |
| Electric power, retail sales to RE188 | Grizzly bear population RE170 |
| IQ2 | Canadian Pacific Railway |
| General remarks RE188 | General remarks RE171 |
| Just Energy | Carnivores |
| General remarks RE188 | Conservation of RE172 |
| Lakeland Rural Electrification Association | Human contact issues, research on RE170 |
| Electrical power lines, need for increase in RE189 | Carnivores–Populations |
| Regulation of rates RE188 Manning Rural Electrification Association | Recovery of RE170 |
| Regulation of rates RE188 | Cattle |
| Mayerthorpe Rural Electrification Association | Killing of by bears, compensation to ranchers for RE173 |
| Regulation of rates RE188 | Chinchaga River area |
| Nexen Marketing | Grizzly bear populations RE172 |
| General remarks RE188 | Cochrane Ecological Institute |
| Niton Rural Electrification Association | History of RE170 |
| Regulation of rates RE188 | Committee on Resources and Environment, Standing— |
| North Parkland Power | Public meetings and inquiries |
| Regulation of rates RE188 | Meeting with Sierra Club of Canada: Presentation |
| Peigan Rural Electrification Association | and discussion RE170–74 |
| Regulation of rates RE188 | Coyotes |
| Rocky Mountain Rural Electrification Association | Human contact issues RE174 |
| Regulation of rates RE188 | Eastern Slopes Grizzly Bear Project |
| Rural electrification associations | Co-operation with British Columbia on RE173 |
| Electric power lines, need for increase in RE189 | Results of RE170 |
| Fixed-price contracts RE188 | Endangered wildlife species |
| Impact of deregulation of electricity on RE188 | Recovery of RE170 |
| Role of RE188–89, RE190 Rural electrification associations—United States | Fish and Wildlife officers |
| General remarks RE189 | Shooting of bears at landfill site RE174 |
| South Alta Rural Electrification Association | Foxes Human contact issues PE170 |
| Regulation of rates RE188 | Human contact issues RE170 Glacier National Park of Canada |
| Southern California Edison Company | General remarks RE171 |
| General remarks RE187 | Schera remarks 101/1 |

Herrero, Steve (Professor Emeritus of Environmental Herrero, Steve (Professor Emeritus of Environmental Science, University of Calgary) (Continued) Science, University of Calgary) (Continued) Grizzly bear hunting Kakwa Wildland Park General remarks ... RE171 Grizzly bear population ... RE173 History of ... RE170 Kananaskis Country Grizzly bear population ... RE170 Grizzly bear hunting-Crowsnest Pass General remarks ... RE170 Nature Conservancy of Canada Grizzly bear hunting-Cypress Hills Carnivore conservation, funding for ... RE172 General remarks ... RE170 Off-highway vehicles Grizzly bear hunting-United States Interaction with grizzly bears ... RE170 General remarks ... RE170 Grizzly bear management Deaths of grizzly bears on ... RE173 Alberta strategy re ... RE171, RE173, RE174 Sanitary landfills Grizzly bear management-British Columbia Management of ... RE174 General remarks ... RE173 Shooting of bears at by SRD personnel ... RE174 Strategy re ... RE173 Sierra Club of Canada Grizzly bears General remarks ... RE173 Deaths of ... RE170, RE171, RE173, RE174 Presentation to committee ... RE170-74 Designation under Wildlife Act as endangered Swift fox Reintroduction of ... RE170 species ... RE171 Human contact issues ... RE170-74 University of Calgary Public interest in ... RE170 Faculty of Environmental Design ... RE170 Research on, funding for ... RE170 Grizzly bears, research on ... RE173 Research and development ... RE170 Grizzly bears-Habitat Alberta strategy re ... RE171 Wildlife habitat Decline in ... RE170-71 Conservation of, public participation in ... RE170 General remarks ... RE173 Wildlife management Grizzly bears-Populations Human contact issues ... RE170-71, RE174 Decline in ... RE170 Research on, funding for ... RE170 DNA-based census of ... RE171, RE173 Wildlife-vehicle collisions Measurement of ... RE173 Impact on grizzly bears' range ... 173 Reproduction, statistics on ... RE170-71 Willmore Wilderness Park Statistics on ... RE171, RE172, RE173 Grizzly bear populations ... RE173 Statistics on, variations in ... RE172-73 Wolves Grizzly bears-Populations-Banff National Park Human contact issues ... RE170, RE172 General remarks ... RE170, RE171-72 Yellowstone National Park (U.S.) Grizzly bears–Populations–British Columbia Grizzly bear population ... RE170 General remarks ... RE170 Hinman, Paul (WA, Calgary-Glenmore; elected in by-Grizzly bears-Populations-Chinchaga River area election September 14, 2009) General remarks ... RE172 Alberta Electric System Operator Grizzly bears–Populations–Jasper National Park Role of ... RE201 General remarks ... RE171, RE172, RE173 Transmission infrastructure plan ... RE196, RE201 Grizzly bears-Populations-Rocky Mountains Transmission infrastructure plan, timing/scope of General remarks ... RE171, RE173 new projects ... RE201 Grizzly bears-Populations-Swan Hills Alberta Energy and Utilities Board Statistics re ... RE172 Role of ... RE201 Grizzly bears-Range Alberta Federation of Rural Electrification Associations Conflict with agriculture ... RE172 Presentation to committee ... RE190 Decline in ... RE171 Impact of highways on ... RE173 Nuclear power plant proposal for Peace River ... Highway 1 RE196 Deaths of grizzly bears on ... RE173 **Capital Power Corporation** Highway 3 Electric power lines, position on Alberta policy re ... Deaths of grizzly bears on ... RE173 RE196 Highway 11 Presentation to committee ... RE196, RE201 Deaths of grizzly bears on ... RE173 Committee on Resources and Environment, Standing-Highway 16 Public meetings and inquiries Deaths of grizzly bears on ... RE173 Meeting with Capital Power: Presentation and Hudson's Bay Company discussion ... RE196, RE201 History of ... RE170 Meeting with Enmax: Presentation and discussion ... International Association for Bear Research and RE201 Management Meeting with IPPSA: Presentation and discussion ... General remarks ... RE170 **RE201** International Union for Conservation of Nature Contaminated sites General remarks ... RE171 Use in electric power generation ... RE196 Grizzly bear specialist group ... RE170 Electric power Jasper National Park Export of ... RE201

Relation to GDP ... RE201

Grizzly bear population ... RE171, RE172, RE173

| Hinman, Paul (WA, Calgary-Glenmore; elected in by- election September 14, 2009) (Continued) | Holden, Gary (President & CEO, Enmax Corporation) Alberta Electric System Operator |
|--|--|
| Electric power (Continued) | Enmax Corporation offer to re regulations RE195, |
| Standards for RE201 | RE200 |
| Transmission of, cost of RE196 Electric power–Edmonton | Enmax report reference to RE199 |
| General remarks RE196 | Role of RE197, RE200–1 Transmission infrastructure plan RE200, RE201– |
| Electric power–Fort McMurray | 02, RE203 |
| General remarks RE201 | Transmission infrastructure plan, timing/scope of |
| Electric power–Supply–Ontario | new projects RE202 |
| Shortage of (blackouts) RE201 | Alberta Energy and Utilities Board |
| Electric power–Supply–Quebec | Role of RE201 |
| Shortage of (blackouts) RE201 | Alberta Utilities Commission |
| Electric power–Supply–United States Shortage of (blackouts) RE201 | Role of RE197 |
| Electric power–United States | Calgary |
| Import from Alberta RE201 | Ownership of Enmax RE196 |
| Electric power lines | Carbon dioxide emissions Reduction in RE195 |
| Interties with British Columbia RE201 | Committee on Resources and Environment, Standing— |
| Interties with Saskatchewan RE201 | Public meetings and inquiries |
| Interties with United States RE201 Electric power lines—Construction | Meeting with Enmax: Presentation and discussion |
| Alberta strategy re RE196, RE201 | RE194-204 |
| Cost of RE196, RE201 | Contaminated sites |
| Critical transmission infrastructure RE201 | Use in electric power generation RE199 |
| Timing/scope of new projects RE201 | Dams |
| Electric power lines–Construction–Edmonton to Calgary | Use in production of hydroelectric power RE196 |
| (HVDC) | Dept. of Energy (Alberta) Communication with Enmax Corporation re power |
| Alberta strategy re RE201 Reports on RE201 | generation in Calgary RE195 |
| Use of direct current in RE201 | Electric power |
| Electric power lines—United States | As dispatchable technology RE195–96, RE203 |
| Interties with Alberta RE201 | Cogeneration of RE195, RE200, RE203 |
| Electric power plants | Cogeneration of, future use of RE200 |
| Location of RE196 | Commercial use of RE195 |
| Peaking plants RE196 | Export of RE195, RE201, RE202, RE203 |
| Electric power plants–Calgary General remarks RE201 | Future use of RE203 |
| Electric power plants–Edmonton | Generation of, Alberta strategy re RE194, RE195, RE200 |
| Peaking plants RE196 | Generation of, variability in RE195–96 |
| Electric Statutes Amendment Act, 2009 (Bill 50) | Import of RE199 |
| General remarks RE201–02 | Industrial use of RE195 |
| Opposition to RE190 | Local generation of RE203 |
| University of Calgary report on RE201 Electric utilities–Regulations | Market competition RE194–95, RE196 |
| General remarks RE201 | Regulation of rates RE195 |
| Enmax Corporation | Research and development RE203 |
| Presentation to committee RE201 | Residential use of RE195, RE197 Storage of RE203 |
| EPCOR Group of Companies | Transmission of, Alberta policy re RE194–95, |
| General remarks RE196 | RE199 |
| Gas, Natural | Transmission of, cost of RE194–95, RE199–200 |
| Use in electric power generation RE196 Independent Power Producers Society of Alberta | Electric power–Calgary |
| Presentation to committee RE201 | General remarks RE194–95, RE199 |
| Land purchases, Government | Statistics on RE199 |
| For large infrastructure projects RE201 | Wind power as a source of RE202 |
| Northern Lights power project | Electric power–Environmental aspects General remarks RE194–95 |
| General remarks RE201 | Greenhouse gas emissions RE200 |
| Nuclear power plants | Greenhouse gas emissions, reduction in RE194 |
| Bruce Power proposal RE196 Cost of electric power generation RE196 | Electric power–Fort Macleod |
| University of Calgary | General remarks RE199 |
| School of Public Policy RE201 | Electric power–Fort McMurray |
| Water | General remarks RE195, RE201 |
| Use in electric power generation RE196 | Local generation of RE200 |
| Wind power | Electric power–High River |
| Transmission of RE196 | General remarks RE200 |
| Use of peaking technology in RE196 Variability in generation of, technologies related to | Electric power–Lethbridge General remarks RE199 |
| RE196 | General Tellaria RE177 |

Holden, Gary (President & CEO, Enmax Corporation) Holden, Gary (President & CEO, Enmax Corporation) (Continued) (Continued) Electric power–Prices Electric power plants-Shepard Impact of infrastructure costs on ... RE198 Generation of ... RE200 Impact of transmission costs on ... RE195, RE197-Electric Statutes Amendment Act, 2009 (Bill 50) University of Calgary report on ... RE202 Electric power–Retail sales Electric utilities-Regulations General remarks ... RE194, RE195 Enmax position on ... RE196, RE200, RE204 Electric power–Retail sales–Calgary Impact on costs to consumers ... RE197 Billing systems, local access (municipal franchise) Energy contracts, Residential fees element ... RE197-98, RE200 Cost to consumer ... RE195 General remarks ... RE197 General remarks ... RE194 Electric power–Retail sales–Edmonton Energy resources, Alternate/renewable Billing systems, local access (municipal franchise) Storage of ... RE195 fees element ... RE198, RE200 Use in electric power generation ... RE194 Electric power-United States **Enmax Corporation** Import from Alberta ... RE201 Background report on electric power transmission ... Electric power-Vegreville RE195-96, RE199 General remarks ... RE203 Electric power, costs to consumers ... RE197 Electric power, Coal-produced Electric power, regulation of ... RE195 Transmission of ... RE195 Electric power billing, local access (municipal Electric power, Coal-produced-Edmonton franchise) fees element ... RE198, RE200 General remarks ... RE195 Electric power generation, initiatives re ... RE195 Electric power, Gas-produced Electric power lines, position on ... RE199-200 Cost of ... RE199 Electric power plants ... RE195, RE200, RE203 Future use of ... RE195 General remarks ... RE194-95 Electric power, Gas produced-Edmonton Opposition to electric power line construction (Bill General remarks ... RE199 50) ... RE202 Electric power, Gas-produced–Environmental aspects Presentation to committee ... RE194-204 General remarks ... RE195 Retail markets, share of ... RE195 Electric power lines **EPCOR Group of Companies** Future use of ... RE200 Electric power billing, local access (municipal Interties with British Columbia ... RE201, RE203 franchise) fees element ... RE200 Interties with Saskatchewan ... RE201 Enmax report reference to ... RE199 Interties with United States ... RE201 Genesee 3 power plant ... RE203 Electric power lines-British Columbia Gas, Natural Interties with Alberta ... RE199, RE203 Future use of ... RE195 Electric power lines-Construction Use in electric power generation ... RE194–95, Alberta Electric System Operator role in ... RE200, RE196, RE199, RE202 **RE203** Northern Lights power project Alberta strategy re ... RE195–96, RE197, RE199, General remarks ... RE201 RE203, RE204 Nuclear power plants Comparison with construction of new power plants ... RE194-95 General remarks ... RE203 Research and development Cost of ... RE200 Electric power, economic aspects of ... RE204 Timing/scope of new projects ... RE197, RE200, Solar power RE202 Future use of ... RE200 Electric power lines–Construction–Edmonton to Calgary (HVDC) TransCanada Pipelines Limited Alberta strategy re ... RE197, RE199-200, RE201-Electric power, generation of ... RE200 University of Calgary General remarks ... RE195, RE196, RE199 School of Public Policy ... RE202 Impact on wind power industry ... RE195 Waste heat capture-Calgary Reports on ... RE202 Initiatives re ... RE194 Use of direct current in ... RE197, RE199, RE201-Waste heat capture-Crossfield Initiatives re ... RE194 Electric power lines–United States Waste heat capture–Environmental aspects Interties with Alberta ... RE201 General remarks ... RE195 Electric power plants Water Location of ... RE199-200 Use in electric power generation ... RE199 Peaking plants ... RE194, RE199, RE200, RE202 Water power Electric power plants-Calgary As dispatchable technology ... RE195-96 General remarks ... RE194-95, RE202, RE203 Wind power Location of ... RE200 Alberta strategy re ... RE202, RE203 Electric power plants-Crossfield Enmax involvement in ... RE194 Peaking plants ... RE194, RE200 Statistics on ... RE202 Electric power plants-Edmonton Storage of ... RE195 Peaking plants, location of ... RE199

Transmission of ... RE195, RE202

Holden, Gary (President & CEO, Enmax Corporation) Huggill, David (Western Canada Policy Manager, Canadian Wind Energy Association) (Continued) (Continued) Wind power (Continued) Nuclear power plants General remarks ... RE179 Obama, Barack (U.S. President) Use of peaking technology in ... RE202 Variability in generation of ... RE195 Wind power–Environmental aspects Support for energy/environment policies ... RE177 General remarks ... RE202 Research and development Wind power–Medicine Hat Impact on wind power industry ... RE175–76 Transmission of ... RE195 Wind power–Pincher Creek Use of in wind power generation ... RE176 Transmission of ... RE195 Water power General remarks ... RE179 Huggill, David (Western Canada Policy Manager, Pumped storage of ... RE179 Canadian Wind Energy Association) Wind power Alberta-Economic conditions Alberta strategy re ... RE177, RE179 General remarks ... RE179 Economic feasibility of ... RE179 Alberta Electric System Operator Future use of ... RE179, RE180 Role of ... RE178-79 Generation, cost of ... RE175 Transmission infrastructure plan ... RE175 Transmission system capacity forecasts ... RE179 Infrastructure needs ... RE179 Initiatives re ... RE176 Wind power, initiatives re ... RE176 Alberta Utilities Commission Potential for ... RE177 Promotion of Alberta companies in ... RE177 Role in electricity transmission system planning ... Regulations, Alberta strategy re ... RE177, RE179 RE179 Statistics on ... RE175-76, RE178, RE180 Canadian Wind Energy Association Presentation to committee ... RE175-80 Storage of ... RE179 Role of ... RE175-76, RE177-78 Technologies related to ... RE175–76, RE179 Carbon dioxide emissions Transmission of ... RE179 Reduction in ... RE176 Use of farmland for ... RE175, RE176, RE177 Carbon offsets Variability in generation of ... RE175, RE178, Alberta strategy re ... RE179 RE179 Charitable societies/nonprofit organizations Wind power-British Columbia Trade organizations ... RE175 Iniatives re ... RE175 Committee on Resources and Environment, Standing— Wind power–Cardston Public meetings and inquiries General remarks ... RE178 Meeting with Canadian Wind Energy Association: Wind power–Environmental aspects Presentation and discussion ... RE175-80 General remarks ... RE176, RE179 Electric power Wind power-Europe Transmission of, Alberta policy re ... RE179 Initiatives re ... RE178 Electric power–Prices Wind power–Europe–Denmark General remarks ... RE179 Initiatives re ... RE179 Electric power, Coal-produced Wind power–Export General remarks ... RE179 General remarks ... RE176 Electric power lines-Construction Wind power-Grande Prairie Alberta strategy re ... RE178-79 General remarks ... RE179 General remarks ... RE179 Wind power–Lethbridge Electric utilities-Regulations Initiatives re ... RE177, RE178 Deregulation ... RE180 Wind power-Pincher Creek Energy, Člean General remarks ... RE175, RE178 Standards re ... RE178 Jacobs, Broyce (PC, Cardston-Taber-Warner) Energy industry Alberta Electric System Operator Future of ... RE175 Transmission infrastructure plan ... RE189 Energy resources-Export Alberta Federation of Rural Electrification Associations General remarks ... RE176 Presentation to committee ... RE189, RE190 Energy resources, Alternate/renewable Cattle Future use of ... RE180 Killing of by bears, compensation to ranchers for ... Standards re ... RE177, RE179 **RE172** Storage of ... RE179 Committee on Resources and Environment, Standing-Energy strategy Public meetings and inquiries Canadian Wind Energy Association position on ... Meeting with Alberta Federation of Rural RE176 Electrification Associations: Presentation and Environmental protection-United States discussion ... RE189, RE190 General remarks ... RE176 Meeting with Sierra Club of Canada: Presentation Gas, Natural and discussion ... RE172 Use in electric power generation ... RE178 Electric power **Greengate Power Corporation** Alberta strategy re ... RE190 General remarks ... RE175 Electric power–Prices Lethbridge College

Wind turbine technology program ... RE177

Impact of market competition on ... RE189

Jacobs, Broyce (PC, Cardston-Taber-Warner) Kinkaide, Dr. Perry (President, Alberta Council of **Technologies**) (Continued) (Continued) Electric power–Retail sales Construction industry Impact of fusion energy projects on ... RE63 General remarks ... RE190 Dept. of Advanced Education and Technology Electric power lines-Construction Alberta strategy re ... RE189 Mandate to include fusion energy projects, proposal Electric utilities-Regulations for ... RE64–65 Dept. of Energy (Alberta) Deregulation ... RE190 Communications with ACT re fusion energy projects Energy contracts, Residential ... RE64-65 General remarks ... RE190 Mandate to include fusion energy projects, proposal Glacier National Park of Canada for ... RE64-65 General remarks ... RE172 Dept. of Finance and Enterprise Grizzly bear management Communications with ACT re fusion energy projects Alberta strategy re ... RE172 Funding for ... RE172 ... RE64-65 Electric power lines Grizzly bears Transmission of fusion-produced power on ... RE66 Human contact issues ... RE172 Energy-Supply Grizzly bears-Habitat Future shortages of ... RE62 General remarks ... RE172 Energy resources, Alternate/renewable Grizzly bears–Populations Disadvantages of ... RE67 DNA-based census of ... RE172 Energy resources, Alternate/renewable–Europe Recovery of, funding for ... RE172 Use of farmland for ... RE67 Statistics on ... RE172 Fusion energy Statistics on, variations in ... RE172 Conditions for production of ... RE63-64 Grizzly bears-Range Fusion energy projects Conflict with agriculture ... RE172 Fast ignition process in ... RE65 Lakeland Rural Electrification Association Overview of ... RE57 Electrical power lines, need for increase in ... RE189 Fusion energy projects-Alberta Nature Conservancy of Canada Canada-US partnerships re, proposal for ... RE64–65 Carnivore conservation, funding for ... RE172 Development phases for ... RE65 Rural electrification associations Funding for, proposal for ... RE62, RE64-65 Electric power lines, need for increase in ... RE189 Investment return from ... RE62 Role of ... RE190 Fusion energy projects–Canada Canada-U.S. partnerships re, proposal for ... RE64– Sierra Club of Canada General remarks ... RE172 Presentation to committee ... RE172 Development phases for ... RE65 University of Calgary Funding for, proposal for government ... RE62 Grizzly bears, research on ... RE172 Global partnerships re, proposal for ... RE64-65 Utilities Consumer Advocate Other jurisdictions ... RE64-65 Role of ... RE190 Use of existing electrical grids ... RE66 Waterton Lakes National Park Fusion energy projects–Economic aspects General remarks ... RE172 Economic return on investment in... RE62, RE66–67 Wind power Evaluation of, re triple bottom line ... RE66-67 Future use of ... RE189 Funding for, proposal for ... RE62, RE64-65 Impact on price of electricity ... RE189 Impact on construction industry ... RE63 Transmission of ... RE189 Impact on laser technology industry ... RE66 Kinkaide, Dr. Perry (President, Alberta Council of Fusion energy projects-Environmental aspects Technologies) Evaluation of, re triple bottom line ... RE66–67 Alberta Council of Technologies Impact on environment of ... RE67 Communications with Depts. of Energy, and Finance Worst-case scenario re ... RE62 and Enterprise re fusion energy projects ... RE64– Fusion energy projects-Europe Global partnerships re ... RE65 Presentation to committee ... RE57, RE62-67 Fusion energy projects-Social aspects Alberta Energy Research Institute Evaluation of, re triple bottom line ... RE66–67 Mandate to include fusion energy projects, proposal Impact on society of ... RE66 for ... RE64-65 Government programs Carbon dioxide sequestration Triple bottom line (social, economic, environmental) for evaluation of ... RE66–67 Funding for projects re ... RE64-65 Climate change High Power Energy Research (HiPER) Impact of fusion energy projects on ... RE67 EU fusion energy project at ... RE65 Committee on Resources and Environment, Standing-Institute of Laser Engineering, Japan Public meetings and inquiries Fusion energy project at ... RE65 Meeting with ACT: Presentation and discussion ... RE57, RE62–67 Laser technology industry Impact of fusion energy projects on ... RE66 National Ignition Facility, Laurence Livermore National Committee on Resources and the Environment, Cabinet Laboratory, California Presentation by ACT to, proposal for ... RE65 Canada-US partnership with, proposal for ... RE64–

| Kinkaide, Dr. Perry (President, Alberta Council of | Knight, Hon. Mel (PC, Grande Prairie-Smoky) |
|---|---|
| Technologies) (Continued) Obama, Barack (U.S. President) | (Continued) Electric meters, Smart |
| Support for energy/environment policies RE64 | General remarks RE119 |
| Research and development | Electric power lines—Construction |
| Funding for carbon dioxide sequestration RE64–65 | General remarks RE107–08 |
| Funding for fusion energy projects, proposal for | Impact on alternate energy production RE116, |
| government mandate to include RE64–65 | RE117–18, RE122 |
| University of Alberta Funding for fusion energy projects from RE65 | Electricity grid, Smart |
| Vehicles | General remarks RE119, RE123 Energy, Clean |
| Impact of electrification of RE62 | Funding for RE116 |
| Knight, Hon. Mel (PC, Grande Prairie-Smoky) | Energy conservation |
| Alberta Clipper pipeline | Funding for RE108 |
| Job loss implications RE116 | General remarks RE114–15 |
| Alberta Electric System Operator | Energy efficiency Funding for RE108 |
| Transmission infrastructure plan RE118 Alberta Energy Research Institute | General remarks RE114–15, RE123 |
| Hydrocarbon upgrading projects RE111 | Energy industry |
| Alberta Utilities Commission | Impact of global economic crisis on RE108, |
| Funding for RE108 | RE121 |
| General remarks RE108 | Junior companies in, incentives for RE116, |
| Role in electricity transmission system planning | RE121–22 Energy Innovation Fund |
| RE118 Auditor General | General remarks RE115 |
| Energy dept. recommendations RE119–20 | Energy resources, Alternate/renewable |
| Resource royalty system comments RE108, | General remarks RE114–16, RE117–18, RE119, |
| RE120, RE121 | RE122–23 |
| Resource royalty system, former Auditor General's | Energy Resources Conservation Board |
| report on RE108, RE120, RE121 | Auditor General's recommendations re RE120 Funding for RE108, RE119 |
| Biofuels industry Benchmarks for, re greenhouse gas emissions | General remarks RE108 |
| reduction RE125 | Energy strategy |
| General remarks RE114, RE115 | General remarks RE107, RE108, RE124 |
| Provincial funding for RE108 | Flaring of natural gas |
| Use of forest products as feedstock RE116 | Reduction of RE116 Gas, Natural |
| Bitumen Linguiding DE111 DE112 DE116 | Production trends re RE112 |
| Upgrading RE111, RE112, RE116 Bitumen–Export | Gas, Natural–Prices |
| General remarks RE111 | General remarks RE108, RE120 |
| Bitumen–Royalties | Greenhouse gas emissions |
| Bitumen royalty-in-kind policy RE107, RE111– | Reduction of RE125 |
| 12, RE116 | Innovative Research Group, Inc. Nuclear power generation in Alberta, public |
| Long-range forecasting of RE109–10 Bitumen pipelines | meetings re RE114 |
| Job loss implications RE116 | International finance |
| Canadian Oil Sands Trust | Crisis in, 2008, impact on Alberta economy |
| Long-range royalties/revenues forecasting | RE108, RE121 |
| RE109–10, RE117 | Keystone bitumen pipeline |
| Carbon dioxide sequestration | Job loss implications RE116 Land-use framework |
| In saline aquifers RE113 Funding for projects re RE107, RE108, RE112— | General remarks RE123 |
| 13, RE116, RE117, RE124 | Microgeneration of electricity |
| Cellulosic ethanol | General remarks RE117, RE119 |
| General remarks RE116 | Natural resources revenue |
| Clean Air Strategic Alliance | General remarks RE108, RE110–11, RE120 |
| Gas flaring information RE116 | Performance measures re RE108 New Royalty Framework (2007) |
| Climate Change and Emissions Management Fund Levy on polluters to create RE116 | BRIK royalties RE112 |
| Dept. of Energy (Alberta) | General remarks RE108, RE116, RE121 |
| Auditor General's recommendations re RE119–20 | Nuclear power |
| Business plan RE108 | Funding for RE116 |
| Estimates, 2009-10, debated RE107–25 | General remarks RE113, RE117 Public discussions re RE113–14, RE116, RE123– |
| General remarks RE107 Resource development and management budget | 24 |
| decrease RE116 | Oil |
| Economic development and the environment | Production trends re RE112 |
| General remarks RE107 | |

Knight, Hon. Mel (PC, Grande Prairie-Smoky) MacIntyre, Don (Chairman, Alberta Geothermal Energy Association) (Continued) (Continued) Oil-Prices District energy systems-Sweden General remarks ... RE108, RE120 General remarks ... RE184 Long-range forecasting re ... RE110 Electric power Oil recovery methods Generation of ... RE184 Carbon dioxide sequestering ... RE112–13 Energy industry Oil sands development Impact of global economic crisis on ... RE184 Royalties paid by ... RE112 Energy resources, Alternate/renewable Strategy re ... RÉ107, RE111, RE123-24 Future use of ... RE183 Use of carbon capture and storage technology ... Technologies related to, certification re ... RE182 **RE116** Environmental protection Value-added opportunities ... RE107, RE111 Related to geothermal power generation ... RE182– Oil sands development–Research 83 Gas, Natural General remarks ... RE107 Future use of ... RE184 Petrochemical industry Usage of upgraded bitumen products ... RE111, Technologies related to ... RE181 RE116 Use in petrochemical industry ... RE183 Public Affairs Bureau Gas, Natural-Prices Role in preparation of Energy dept. documents ... General remarks ... RE184 Geothermal power Royalty structure (Energy resources) Alberta strategy re ... RE183, RE184, RE185 Commercial installations ... RE183 Auditor General's comments re ... RE108, RE120, District energy systems ... RE184 Funding for ... RE184 Former Auditor General's comments re ... RE108, RE120, RE121 Future use of ... RE183-84, RE184, RE185 Long-range forecasting re ... RE109-10, RE117 Initiatives re ... RE182 Royalty structure (Energy resources)-Alaska Lack of regulation of ... RE185 General remarks ... RE121 Legislation re ... RE185 Solar power Quality assurance programs ... RE182–83, RE185 General remarks ... RE115, RE122-23 Quality assurance programs, funding for ... RE183 Regulation of ... RE182-83, RE185 Suncor Inc. Residential installations ... RE185 Royalty structure change, to bitumen rate ... RE112 Syncrude Canada Ltd. Residential installations, cost of ... RE183, RE184 Royalty structure change, to bitumen rate ... RE112 Retrofitting versus new construction ... RE183, Well sites, Orphaned **RE184** Funding for reclamation of ... RE108, RE117 Statistics on ... RE181–82, RE184 Wind power Technologies related to ... RE181-82 General remarks ... RE116, RE118, RE119, RE122, Technologies related to, certification re ... RE182, **RE183** Technologies related to, postsecondary education ... MacIntyre, Don (Chairman, Alberta Geothermal RE182 **Energy Association**) Geothermal power-British Columbia Alberta Geothermal Energy Association Initiatives re ... RE182, RE184 Presentation to committee ... RE181-85 Geothermal power-China Quality assurance programs ... RE182-83, RE185 Initiatives re ... RE183 Role of ... RE181 Geothermal power–Environmental aspects Alberta Water Well Drilling Association General remarks ... RE182-83, RE185 Geothermal power, quality assurance programs ... Geothermal power-Europe RE182-83 Legislation re ... RE185 Bow River Geothermal power-Europe-Sweden Use of geothermal power in ... RE182 Initiatives re ... RE183 Calgary Zoo Geothermal power-Manitoba Use of geothermal power at ... RE182 Incentives for ... RE184 Committee on Resources and Environment, Standing-Initiatives re, funding for ... RE182 Public meetings and inquiries Legislation re ... RE185 Meeting with Alberta Geothermal Energy Geothermal power-Nova Scotia Association: Presentation and discussion ... Initiatives re ... RE181-82, RE183 RE181-85 Geothermal power-Ontario Dept. of Energy (Alberta) Initiatives re ... RE182 Geothermal power, strategy re ... RE183 Geothermal power-Prices Dept. of Environment District energy systems ... RE184 Geothermal power, quality assurance programs ... General remarks ... RE182 RE182-83 Residential versus commercial installations ... Geothermal power, strategy re ... RE185 RE183, RE185 District energy systems Geothermal power-Saskatchewan Use of geothermal power in ... RE184 Initiatives re ... RE182 District energy systems-British Columbia

General remarks ... RE184

| MacIntyre, Don (Chairman, Alberta Geothermal | Mason, Brian (ND, Edmonton-Highlands-Norwood) |
|--|---|
| Energy Association) (Continued) | (Continued) |
| Geothermal power–United States | Bitumen–Royalties |
| District energy systems RE184 | Bitumen royalty-in-kind policy RE115 |
| Go Geo Global LLC | Bitumen pipelines |
| General remarks RE185 | Job loss implications RE115 |
| Groundwater | Carbon dioxide sequestration |
| Impact of geothermal power generation on | Funding for projects re RE115 |
| RE182, RE185 | Climate Change and Emissions Management Fund |
| Remediation of RE185 GSS Drilling Inc. | Levy on polluters to create RE115 Committee on Resources and Environment, Standing— |
| General remarks RE181 | Public meetings and inquiries |
| GSS Geothermal Inc. | Meeting with Alberta Geothermal Energy |
| General remarks RE181 | Association: Presentation and discussion RE184 |
| Heat pumps | Meeting with Greengate Power: Presentation and |
| Technologies related to RE181–82 | discussion RE180 |
| Hospitals | Meeting with Sierra Club of Canada: Presentation |
| Use of geothermal power in RE184 | and discussion RE172 |
| Hotels | Dept. of Energy (Alberta) |
| Use of geothermal power in RE184 | Estimates, 2009-10, debated RE115 |
| Manitoba Geothermal Energy Alliance | Resource development and management budget |
| General remarks RE182 | decrease RE115 |
| Manitoba Geothermal Energy Incentive Program | Dept. of International and Intergovernmental Relations |
| General remarks RE182 | Budget RE77 |
| Manitoba Hydro | Estimates, 2009-10, debated RE77–79 |
| Geothermal power, use of RE182 Northern Alberta Institute of Technology | Minister's/Deputy Minister's budget RE77 |
| Geothermal power, curriculum re RE182 | Staff travel expenses RE79 District energy systems—Sweden |
| Sewage disposal plants | General remarks RE184 |
| Capture of geothermal energy from RE182 | Electric power |
| Solar power | Export of RE180 |
| Initiatives re RE185 | Electric power, Coal-produced |
| Solar power–Okotoks | Use of carbon capture and storage technology |
| Initiatives re RE185 | RE115 |
| Thermal energy storage systems | Electric power lines–Construction |
| Initiatives re RE185 | Impact on wind power development RE180 |
| University of Ontario Institute of Technology | Energy, Clean |
| Geothermal power, research and development | Funding for RE115 |
| RE182 | Standards re RE180 |
| Vital Engineering Corporation General remarks RE181 | Energy industry Junior companies in, incentives for RE115 |
| Water | Energy Innovation Fund |
| Use of in geothermal power generation RE182, | General remarks RE115 |
| RE185 | Energy resources, Alternate/renewable |
| Use of in solar power generation RE185 | General remarks RE115 |
| Water quality | Storage of RE180 |
| Impact of geothermal power generation on | Flaring of natural gas |
| RE182–83, RE185 | Reduction of RE115 |
| Rural Alberta RE185 | Gas, Natural |
| Wind power | Production trends re RE115 |
| General remarks RE181 | Gas, Natural–Prices |
| Mason, Brian (ND, Edmonton-Highlands-Norwood) | General remarks RE184 |
| Alberta Clipper pipeline | Gas, Natural–Royalties |
| Job loss implications RE115 | General remarks RE115 Geothermal power |
| Alberta Electric System Operator Role of RE180 | District energy systems RE184 |
| Alberta Geothermal Energy Association | Funding for RE184 |
| Presentation to committee RE184 | Geothermal power–British Columbia |
| Alberta Government Offices | Initiatives re RE184 |
| Collocation of, with embassy offices RE78 | Geothermal power–Prices |
| Cost-benefit analysis of RE79 | District energy systems RE184 |
| Elimination of RE78–79 | Greengate Power Corporation |
| Staff, appointment process re RE78 | Presentation to committee RE180 |
| Washington, D.C. office: Head of RE78 | Grizzly bears |
| Biofuels industry | Human contact issues RE172 |
| General remarks RE115 | Grizzly bears–Range Conflict with agriculture RE172 |
| Bitumen Linguiding PE115 | Commet with agriculture RE1/2 |
| Upgrading RE115 | |

Mason, Brian (ND, Edmonton-Highlands-Norwood) McQueen, Diana (PC, Drayton Valley-Calmar) (Continued) (Continued) Keystone bitumen pipeline Fusion energy projects Job loss implications ... RE115 Fast ignition process in ... RE64 Nature Conservancy of Canada Fusion energy projects-Alberta Carnivore conservation, funding for ... RE172 Canada-US partnerships re, proposal for ... RE64 Nuclear power Development phases for ... RE64 Funding for ... RE115 Fusion energy projects-Canada Canada-Ŭ.Ŝ. partnerships re, proposal for ... RE64 Public discussions re ... RE115 Oil sands development Development phases for ... RE64 Use of carbon capture and storage technology ... Global partnerships re, proposal for ... RE64 **RE115** History of ... RE64 Sierra Club of Canada Other jurisdictions ... RE64 Presentation to committee ... RE172 Fusion energy projects-Economic aspects Trade, Investment and Labour Mobility Agreement Economic return on investment in ... RE64 (Alberta /British Columbia) Impact on manufacturing industry ... RE64 Dispute mechanism ... RE77-78 Gas, Natural Travel at public expense Use in petrochemical industry ... RE183 General remarks ... RE79 Geothermal power Wind power Future use of ... RE183 Alberta strategy re ... RE180 Funding for ... RE180 Future use of ... RE180 Geothermal power–China Initiatives re ... RE183 Geothermal power-Europe-Sweden General remarks ... RE115 Initiatives re ... RE183 Hydrogen conversion and storage ... RE180 High Power Energy Research (HiPER) Storage of ... RE180 EU fusion energy project at ... RE64 Technologies related to ... RE180 International trade-Asia Variability in generation of ... RE180 General remarks ... RE86 Wind power-Ontario Manufacturing industry Initiatives re ... RE180 Impact of fusion energy projects on ... RE64 National Ignition Facility, Laurence Livermore National Human contact issues ... RE172 Laboratory, California McQueen, Diana (PC, Drayton Valley-Calmar) Canada-US partnership with, proposal for ... RE64 Alberta Council of Technologies Obama, Barack (U.S. President) Presentation to committee ... RE64 Support for energy/environment policies ... RE64 Alberta Geothermal Energy Association Reforestation Presentation to committee ... RE183 Auditor General's comments re ... RE106 Auditor General Meisen, Dr. Axel (Chair of Foresight, Alberta Research Reforestation initiatives comments ... RE106 Council) Bio 2009 International Convention, Atlanta, Georgia Alberta Council of Technologies Alberta participation ... RE86, RE87 Presentation to committee ... RE62, RE64, RE66-67 Bio-Mile project, Drayton Valley Alberta Energy Research Institute General remarks ... RE105 Comparison with ARC ... RE66 Bioeconomy Mandate to include fusion energy projects, proposal General remarks ... RE105 for ... RE66 Alberta Research Council Impact of, re control technology industry ... RE64 Comparison with AERI ... RE66 Committee on Resources and Environment, Standing-History of research re oil sands extraction process ... Public meetings and inquiries Meeting with ACT: Presentation and discussion ... Mandate to include fusion energy projects, proposal RE64 for ... RE66 Meeting with Alberta Geothermal Energy Canadarm Association: Presentation and discussion ... RE183 Impact of, re control technology industry ... RE64 Control technology industry Committee on Resources and Environment, Standing-Impact of Canadarm research on ... RE64 Public meetings and inquiries Dept. of Energy (United States) Meeting with ACT: Presentation and discussion ... Funding for fusion energy projects ... RE64 RE62, RE64, RE66-67 Dept. of International and Intergovernmental Relations Control technology industry Estimates, 2009-10, debated ... RE86–87 Impact of Canadarm research on ... RE64 Dept. of Sustainable Resource Development Fusion energy projects Estimates, 2009-10, debated ... RE105-06 As scalable technology ... RE67 Energy resources, Alternate/renewable Fusion energy projects-Alberta Future use of ... RE183 Canada-US partnerships re, proposal for ... RE64 Forest industries Funding for, proposal for ... RE62 Competitiveness/sustainability ... RE105 Fusion energy projects—Canada Canada-U.S. partnerships re, proposal for ... RE64 Forest Industry Sustainability Committee Report ... RE105 Funding for, proposal for government ... RE62

Decline in ... RE169

General remarks ... RE172-73

Meisen, Dr. Axel (Chair of Foresight, Alberta Research Morrison, Carl (Campaigner, Sierra Club of Canada) **Council**) (Continued) (Continued) Fusion energy projects—Canada (Continued) Grizzly bears–Populations Global partnerships re, proposal for ... RE64 Decline in ... RE169 General remarks ... RE170 Other jurisdictions ... RE64 Fusion energy projects–Economic aspects Recovery of, funding for ... RE172, RE173 Economic return on investment in ... RE62, RE67 Statistics on ... RE172 Statistics on, variations in ... RE172 Funding for, proposal for ... RE62 Grizzly bears–Range Impact on manufacturing industry ... RE64 Conflict with agriculture ... RE172–73 Fusion energy projects–Social aspects Jasper Environmental Association Impact on society of ... RE67 General remarks ... RE169 Laser technology industry Sierra Club of Canada Impact of fusion energy projects on ... RE67 Action Grizzly Bear campaign ... RE169–70 Manufacturing industry General remarks ... RE172 Impact of fusion energy projects on ... RE64 Presentation to committee ... RE169-70, RE172-73 National Ignition Facility, Laurence Livermore National University of Calgary Laboratory, California Research and development ... RE169 Canada-US partnership with, proposal for ... RE64 **UTSB** Research General remarks ... RE169 History of research re extraction process ... RE66 Wildlife Act Photonics industry Proposed inclusion of grizzly bears under ... RE169-Impact of fusion energy projects on ... RE67 Morrison, Carl (Campaigner, Sierra Club of Canada) Wildlife habitat Action Grizzly Bear campaign Decline in ... RE169 Public participation in ... RE169 Wildlife management Alberta Endangered Species Conservation Committee General remarks ... RE169 (2002)Morton, Hon. F.L. (PC, Foothills-Rockyview) Recommendations on grizzly bear ... RE169 Alberta Biodiversity Monitoring Institute Alberta Grizzly Bear Recovery Plan 2008-2013 Funding for ... RE90 General remarks ... RE173 General remarks ... RE100 Athabasca Bioregional Society ... RE169 Alberta Conservation Association Canadian Parks and Wilderness Society ... RE169 General remarks ... RE93, RE100 Cattle Alberta Fish and Game Association Killing of by bears, compensation to ranchers for ... Rejection of provincial recreational access RE172-73 management program (RAMP) ... RE95-96 Committee on Resources and Environment, Standing-Alberta Land Stewardship Act (Bill 36, 2009) Public meetings and inquiries General remarks ... RE90, RE91, RE92 Meeting with Sierra Club of Canada: Presentation Alberta Sustainability Fund and discussion ... RE169-70, RE172-73 Emergency funding from ... RE90 Committees, Cabinet policy Wildfire control funded through ... RE96 Reports to ... RE170 Auditor General Defenders of Wildlife Canada ... RE169 NRCB regulations re confined feeding operations Dept. of Sustainable Resource Development recommendation ... RE104 Role of ... RE170 Reforestation initiatives comments ... RE106 Economic development and the environment Sand and gravel royalties comments ... RE101, General remarks ... RE169 RE103-04 **Endangered Species Conservation Committee** Bio-Mile project, Drayton Valley Grizzly bears, review of ... RE170 General remarks ... RE105-06 Role of ... RE170 **Biodiversity** Endangered wildlife species General remarks ... RE100 Alberta strategy re ... RE169 Bioeconomy Federation of Alberta Naturalists General remarks ... RE105 General remarks ... RE169 Buck for Wildlife program General remarks ... RE100 Grizzly bear management Alberta strategy re ... RE169–70 Calgary Regional Partnership Funding for ... RE172–73 Land-use planning, integration with provincial landuse framework ... RE91 Grizzly bear management-United States Strategy re ... RE170 Caribou habitat Maintenance of ... RE92 Grizzly bears Chronic wasting disease Designation under Wildlife Act as endangered Presence on game farms ... RE93 species ... RE169–70 Surveillance program re ... RE90 General remarks ... RE169–70 Testing for ... RE94, RE99 Human contact issues ... RE172-73 Chronic wasting disease-Control Status, review of ... RE170 By hunting ... RE93–94 Grizzly bears-Habitat

Morton, Hon. F.L. (PC, Foothills-Rockyview) Morton, Hon. F.L. (PC, Foothills-Rockyview) (Continued) (Continued) Community Development Trust (Federal fund) Land-use framework (Continued) Application in forestry-dependent communities ... Regional advisory councils re, membership on ... RE90, RE105 RE98-99 Deer-Alberta/Saskatchewan border area Relation to oil sands development strategy ... Culling of, due to CWD threat ... RE99 RE104-05 Dept. of Sustainable Resource Development Land-use plan-Edmonton area Budget ... RE89-90 Integration with provincial land-use framework ... Estimates, 2009-10, debated ... RE89-106 RE91 Fish and Wildlife division ... RE90 Land Use Secretariat Lands division ... RE90 Budget ... RE91 Lands division, budget for ... RE99, RE100 General remarks ... RE90, RE91 Endangered wildlife species Livestock industry, Intensive-Environmental aspects Funding for ... RE90, RE92 Enforcement of regulations re, Auditor General's FireSmart program (Forest fire prevention) recommendation re ... RE104 Funding for ... RE89, RE90, RE105 Logging Fishing, Sport As pine bark beetle control method ... RE96–97 General remarks ... RE90 Lower Athabasca land-use region Forest industries General remarks ... RE90, RE91 Competitiveness/sustainability ... RE90, RE105 Municipal Government Act Competitiveness/sustainability, impact of pine Integration with provincial land-use framework ... beeetles on ... RE97 RE92 Impact of global economic crisis on ... RE90 Natural Resources Conservation Board Forest industries-Employees Confined feeding operations regulation, Auditor Unemployed workers, retraining of ... RE89, RE90, General's recommendation re ... RE104 RE105 Funding decrease ... RE90 Forest Industry Sustainability Committee North Saskatchewan land-use region Report ... RE105 General remarks ... RE91 Forest Resource Improvement Association of Alberta Oil sands development Provincial relationship with, Auditor General's Strategy re: Relation to land-use framework ... comments re ... RE106 RE104-05 Support for FireSmart program ... RE90 Timing/scope of new projects (growth issues) ... Forests **RE105** General remarks ... RE90 Oil sands development–Environmental aspects Game farming Cumulative impact assessment of ... RE105 Chronic wasting disease issue in ... RE93 General remarks ... RE104-05 GeoDiscover Alberta (Information system) Oil sands tailings ponds Funding for ... RE89, RE91 Reclamation of ... RE98 Grazing lands, Public Open Spaces program General remarks ... RE90 Discontinuation of ... RE94 Grizzly bear hunting Pine beetles Suspension of ... RE92 Impact on forestry sustainability and tourism ... Grizzly bears-Populations ŘE97 DNA-based census of ... RE92 Pine beetles-Control Recovery of ... RE92 Funding for ... RE90, RE99 General remarks ... RE96-97 As control method for chronic wasting disease ... RE93-94 Public lands Benefits of ... RE95 Resource dispositions on ... RE90 Transfer to municipalities for one dollar ... RE102 Hunting for habitat program (Hunter access to private land) Public lands–Urban areas Discontinuation of ... RE95 Sale of, to purchase land for conservation projects ... RE99-100 Hunting on private land Access issues re ... RE102 Public lands-Urban areas-Fort McMurray Hunting tourism General remarks ... RE102 General remarks ... RE96 Reclamation of land Industrial development-Industrial Heartland area General remarks ... RE103 Cumulative impact assessment of ... RE104 Gravel operations ... RE101-02, RE103 General remarks ... RE103-04 Oil sands operations ... RE97–98 Land-use framework Recreational access management program (Hunter Cost of ... RE102 access to private land) Funding for ... RE89 Pilot projects re ... RE94–96, RE102 General remarks ... RE89, RE90, RE91 Reforestation Integration with Municipal Government Act ... RE92 Auditor General's comments re ... RE106

Performance measures for, Auditor General's

comments re ... RE106

Public input into ... RE91

Regional advisory councils re, aboriginal

membership on ... RE98-99

Morton, Hon. F.L. (PC, Foothills-Rockyview) Notley, Rachel (NDP, Edmonton-Strathcona) (Continued) (Continued) Sand and gravel-Royalties Groundwater Auditor General's comments re ... RE101 Monitoring of ... RE156, RE165-66 Revenue from ... RE103-04 Land-use framework Softwoods-Export-United States Regional advisory councils re, membership on ... Framework agreement re, April 27, 2006 ... RE90, RE98-99 RE105 Oil sands development–Environmental aspects South Saskatchewan land-use region General remarks ... RE157–58, RE167 General remarks ... RE90, RE91 Oil sands tailings ponds Surface Rights Board and Land Compensation Board Reclamation of ... RE98 Funding increase ... RE90 Pine beetles Syncrude Čanada Ltd. Impact on forestry sustainability and tourism ... RE97 Reclamation project ... RE103 Reclamation of land Tourism Impact of pine beetles on ... RE97 Oil sands operations ... RE97-98 Wildfires-Control Specified risk material (Cattle parts) Funding for ... RE90, RE96, RE99 Disposal of, funding for ... RE135–36 Wildlife habitat Tourism Conservation of ... RE90, RE94-96 Impact of pine beetles on ... RE97 Wildlife-vehicle collisions Water Act Cost of ... RE103 Monitoring/enforcement under ... RE155-56 Water for Life, Alberta's Strategy for Sustainability Notley, Rachel (NDP, Edmonton-Strathcona) Funding for ... RE157 4-H clubs Water quality Farm safety education in ... RE136-37 Monitoring, funding for ... RE157 Agriculture–Research Watershed planning and advisory councils Funding decrease for ... RE137 Funding for ... RE157 Air quality—Monitoring General remarks ... RE156 Oberle, Frank (PC, Peace River) Alberta Lake Management Society Agriculture Funding for ... RE157 Government expenditures increase re ... RE138 Alberta Livestock and Meat Agency Alberta Council of Technologies Food safety initiatives ... RE135-36 Presentation to committee ... RE65, RE66 Auditor General Presentation to committee to be forwarded to Food safety programs comments ... RE137 departments of Energy, Environment, and Dept. of Agriculture and Rural Development Advanced Education, motion to approve (Passed) Estimates, 2009-10, debated ... RE135-37 ... RE68 Dept. of Environment Alberta Energy Research Institute Budget ... RE155 Communications with ACT re fusion energy projects Communications budget increase ... RE166-67 Estimates, 2009-10, debated ... RE155-58, RE165-Mandate to include fusion energy projects, proposal for ... RE65 Dept. of Sustainable Resource Development Alberta Federation of Rural Electrification Associations Estimates, 2009-10, debated ... RE97–99 Presentation to committee ... RE189 Environmental impact assessments Presentation to committee to be forwarded to General remarks ... RE158, RE167 relevant departments, motion to approve (Passed) Environmental law/regulations ... RE205 Breaches of, public reporting re ... RE156-57 Alberta Geothermal Energy Association Enforcement of ... RE155-56 Presentation to committee ... RE184–85 Enforcement of (self-monitoring) ... RE157, RE165-Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) ... RE205 Inspectors for ... RE156-57, RE165-66 Environmental monitoring Alberta Government Offices General remarks ... RE155-57 Expenses of, payment by companies helped by ... Environmental Protection and Enhancement Act RE79 General remarks ... RE79-80 Monitoring/enforcement under ... RE155–56 Washington, D.C. office: Head of ... RE79 Farm safety Initiatives re ... RE136-37 Alberta Livestock Information System Fines (Pollution offences) Traceability component ... RE138–39 General remarks ... RE165-66 Banff National Park Food safety Grizzly bear population ... RE171 Auditor General's comments re ... RE137 Biodiversity Funding for ... RE135–36 Foreign workers, Temporary Role of parks and protected areas in ... RE171 Farm safety education for ... RE136-37 Ownership of Enmax ... RE196 Canadian Oil Sands Trust Forest industries

Long-range royalties/revenues forecasting ... RE117

Competitiveness/sustainability, impact of pine

beetles on ... RE97

Oberle, Frank (PC, Peace River) (Continued) Oberle, Frank (PC, Peace River) (Continued) Canadian Pacific Railway Electric power General remarks ... RE171 As dispatchable technology ... RE195–96 Canadian Wind Energy Association Export of ... RE179, RE195 Presentation to committee ... RE179-80 Future use of ... RE179 Presentation to committee to be forwarded to Generation of, variability in ... RE195–96 relevant departments, motion to approve (Passed) Market competition ... RE196 Electric power-Europe ... RE205 Capital Power Corporation General remarks ... RE179 Electric power-Prices Presentation to committee to be forwarded to relevant departments, motion to approve (Passed) General remarks ... RE179 ... RE205 Electric power, Coal-produced Carbon dioxide sequestration General remarks ... RE179 Funding for projects re ... RE117 Transmission of ... RE195 Electric power lines-Construction Carbon offsets Alberta strategy re ... RE179 Alberta strategy re ... RE195–96 Castle Special Management Area Impact on alternate energy production ... RE117–18 Grizzly bear population ... RE171 Electric power lines-Construction-Edmonton to Calgary (HVDC) Chinchaga River area General remarks ... RE195, RE196 Grizzly bear populations ... RE171 Committee on Resources and Environment, Standing-Impact on wind power industry ... RE195 Public meetings and inquiries Electric Statutes Amendment Act, 2009 (Bill 50) Committee to report to relevant departments on Committee presentations re ... RE189 presentations by all groups appearing before Electric utilities—Regulations committee, motion to approve (Passed) ... RE67-Deregulation ... RE180 68, RE205 Enmax position on ... RE196 Meeting with ACT: Presentation and discussion ... Energy, Clean RE65, RE66, RE67 Standards re ... RE179 Meeting with Alberta Federation of Rural Energy Independence and Security Act of 2007 (United Electrification Associations: Presentation and discussion ... RE189 Role of Alberta's Washington representative re ... Meeting with Alberta Geothermal Energy RE79 Association: Presentation and discussion ... Energy resources-Export RE184-85 General remarks ... RE179 Meeting with Canadian Wind Energy Association: Energy resources, Alternate/renewable Presentation and discussion ... RE179-80 Future use of ... RE179-80 Meeting with Enmax: Presentation and discussion ... General remarks ... RE117-18 RE195-96 Standards re ... RE179 Meeting with Greengate Power: Presentation and Storage of ... RE179, RE195 discussion ... RE179-80 **Enmax Corporation** Meeting with Sierra Club of Canada: Presentation Background report on electric power transmission ... and discussion ... RE171–72 RE195-96 Presentation to committee ... RE195-96 Role of ... RE189 Dams Presentation to committee to be forwarded to Use in production of hydroelectric power ... RE196 relevant departments, motion to approve (Passed) Dept. of Advanced Education and Technology ... RE205 Estimates of Supply, Main Mandate to include fusion energy projects, proposal Amendment to International and Intergovernmental for ... RE65 Report on presentations by relevant groups Relations estimates, motion for ... RE83 appearing before committee to be forwarded to, Amendments procedure in ... RE147 Committee procedure re ... RE147 Vote on ... RE147 motion to approve (Passed) ... RE68, RE205 Dept. of Agriculture and Rural Development Estimates, 2009-10, debated ... RE138 Food chain traceability Expenditures increase in ... RE138 General remarks ... RE138-39 Dept. of Energy (Alberta) Fusion energy projects-Alberta Estimates, 2009-10, debated ... RE116-18 Funding for, proposal for ... RE65 Mandate to include fusion energy projects, proposal Fusion energy projects-Economic aspects Funding for, proposal for ... RE65 Report on presentations by relevant groups Fusion energy projects–Environmental aspects appearing before committee to be forwarded to, Impact of output ash (helium) from ... RE67 motion to approve (Passed) ... RE68, RE205 Gas, Natural Dept. of Environment Future use of ... RE195 Report on presentations by relevant groups Use in electric power generation ... RE195–96 appearing before committee to be forwarded to, Gas, Natural-Regulations motion to approve (Passed) ... RE68, RE205 Deregulation ... RE179 Dept. of International and Intergovernmental Relations Estimates, 2009-10, debated ... RE79–80, RE83 Geothermal power Future use of ... RE185 Estimates, 2009-10, debated: Amendment motion re Lack of regulation of ... RE184-85

... RE83

Residential installations ... RE184–85

| Oberle, Frank (PC, Peace River) (Continued) | Oberle, Frank (PC, Peace River) (Continued) |
|---|---|
| Geothermal power–Europe–Sweden | Securities—Law and legislation |
| Initiatives re RE184–85 | National harmonization of RE80 |
| Geothermal power–Prices | Sierra Club of Canada |
| Residential <i>versus</i> commercial installations RE184–85 | Presentation to committee RE171–72 Presentation to committee to be forwarded to |
| Geothermal power–United States | relevant departments, motion to approve (Passed) |
| Cost of RE184–85 | RE205 |
| Greengate Power Corporation | Standing Orders |
| Presentation to committee RE179 | Provisions for estimates debate RE147 |
| Presentation to committee to be forwarded to | Trilateral premiers' meeting, Vancouver (March 2009) |
| relevant departments, motion to approve (Passed) | General remarks RE80 |
| RE205 | University of Alberta |
| Grizzly bears | Funding for fusion energy projects from RE65 |
| Human contact issues RE171 | Water |
| Grizzly bears–Habitat | Use of in geothermal power generation RE184–85 |
| Alberta strategy re RE171 | Water power |
| Grizzly bears–Populations Statistics on RE171 | As dispatchable technology RE195–96 General remarks RE179 |
| Statistics on, variations in RE171 | Pumped storage of RE179 |
| Grizzly bears–Populations–Banff National Park | Water supply |
| General remarks RE171 | Conservation of RE171 |
| Grizzly bears-Populations-Chinchaga River area | Well sites, Orphaned |
| General remarks RE171 | Funding for reclamation of RE117 |
| Grizzly bears-Populations-Jasper National Park | Willmore Wilderness Park |
| General remarks RE171 | Grizzly bear populations RE171 |
| Grizzly bears–Populations–Swan Hills | Wind power |
| Statistics re RE171 | Alberta strategy re RE179 |
| H1N1 influenza virus | Economic feasibility of RE179 |
| Appearance in central Alberta pig herd RE138 | Future use of RE179, RE180 |
| Helium As output in fusion-produced energy RE67 | General remarks RE118 Regulations, Alberta strategy re RE179 |
| Hog industry | Standards re RE179 |
| Impact of H1N1 influenza virus on RE138 | Statistics on RE180 |
| Independent Power Producers Society of Alberta | Storage of RE179, RE195 |
| Presentation to committee to be forwarded to | Technologies related to RE179 |
| relevant departments, motion to approve (Passed) | Transmission of RE179, RE195 |
| RE205 | Variability in generation of RE179, RE195 |
| Industrial development | Wind power–Environmental aspects |
| Environmental impact of RE171 | General remarks RE179 |
| Interprovincial relations | Wind power–Europe–Denmark |
| General remarks RE80 | Initiatives re RE179 |
| Jasper National Park Grizzly bear population RE171 | Wind power–Grande Prairie General remarks RE179 |
| Kakwa Wildland Park | Wind power–Peace River |
| Grizzly bear population RE171 | Potential for RE179 |
| Nuclear power | Wind power–Pincher Creek |
| General remarks RE117 | Transmission of RE195 |
| Nuclear power plants | Offenberger, Dr. Allan (Professor Emeritus, University |
| General remarks RE179 | of Alberta) |
| Parks, National | Alberta Council of Technologies |
| Grizzly bear populations RE171 | Presentation to committee RE57–67 |
| Parks, Provincial | Alberta Energy Research Institute |
| Alberta strategy re RE171 Grizzly bear populations RE171 | Communications with ACT re fusion energy projects |
| Protected areas | RE65 |
| Alberta stratgy re RE171 | Mandate to include fusion energy projects, proposal for RE65–66 |
| Grizzly bear populations RE171 | Alberta Research Council |
| Research and development | Mandate to include fusion energy projects, proposal |
| Funding for fusion energy projects, proposal for | for RE66 |
| government mandate to include RE65 | Committee on Resources and Environment, Standing- |
| Roads | Public meetings and inquiries |
| Environmental impact of RE171 | Meeting with ACT: Presentation and discussion |
| Rock Lake-Solomon Creek Wildland Park | RE57–67 |
| Grizzly bear population RE171 | Control technology industry |
| Royalty structure (Energy resources) | Impact of fusion energy projects on RE63 |
| Long-range forecasting re RE116–17 | |

Offenberger, Dr. Allan (Professor Emeritus, University Offenberger, Dr. Allan (Professor Emeritus, University of Alberta) (Continued) of Alberta) (Continued) Fusion energy projects—Canada Canada-U.S. partnerships re, proposal for ... RE60— Dept. of Advanced Education and Technology Mandate to include fusion energy projects, proposal for ... RE65 Dept. of Energy (Alberta) Development phases for ... RE58, RE61, RE65 Mandate to include fusion energy projects, proposal Funding for, proposal for government ... RE58, for ... RE65 RE61-62 Dept. of Energy (United States) Global partnerships re, proposal for ... RE61, RE65 Funding for fusion energy projects ... RE61, RE64 History of ... RE61, RE65 Electric power Other jurisdictions ... RE59-63, RE65 Future planning by ... RE63 Other jurisdictions: Comparison with Canada ... Electric power–Supply RE61 Future shortages of ... RE58-59, RE62-63 Provincial-federal relations re ... RE58, RE65-66 Electric power, Coal-produced Use of existing electrical grids ... RE58 Comparison with fusion-produced power ... RE58-Fusion energy projects-China Development of ... RE62 Future shortages of ... RE63 Fusion energy projects-Economic aspects Electric power lines Availability of energy source ... RE58 Transmission of fusion-produced power on ... RE58 Economic return on investment in ... RE60-63, Electronics industry RE66-67 Comparison with photonics industry ... RE60 Evaluation of, re triple bottom line ... RE67 Electronics industry-Europe Funding for, proposal for ... RE61-62, RE65-66 Comparison with photonics industry ... RE62 Global economic investment in ... RE61-62 Enbridge Inc. Impact on laser technology industry ... RE58-63 Planning for energy shortages ... RE63 Impact on manufacturing industry ... RE67 Impact on photonics industry ... RE62, RE67 Mass-to-energy conversion efficiency ... RE59 Fusion energy projects-Environmental aspects Energy-Supply Comparison with coal-produced electric power ... Future shortages of ... RE58, RE63 RE58-59 Energy-Units Evaluation of, re triple bottom line ... RE67 Cubic mile of oil (CMO) as new unit, proposal for ... Impact of output ash (helium) from ... RE58–59 RE58 Impact on environment of ... RE58-59, RE66 Energy industry Worst-case scenario re ... RE62 Lack of investment in fusion energy projects ... Fusion energy projects-Europe **RE63** Global partnerships re ... RE61, RE65 Energy resources, Alternate/renewable Fusion energy projects-Japan Disadvantages of ... RE59 Global partnerships re ... RE60-61, RE65 Fusion as source of ... RE58 Fusion energy projects-Ontario Future use of ... RE58-59 History of ... RE61-62, RE65-66 **Environment Canada** Fusion energy projects-Quebec Communications with ACT re fusion energy projects History of ... RE61, RE65-66 ... RE65 Fusion energy projects-Russia European Union Development of ... RE59, RE62 Funding for fusion energy projects ... RE60 Fusion energy projects-Social aspects Fission energy Evaluation of, re triple bottom line ... RE67 General remarks ... RE58-59 Impact on society of ... RE58, RE67 Fusion energy Fusion energy projects-United Kingdom As source of energy in universe ... RE58 Conditions for production of ... RE58-62, RE64 Development of ... RE60 Fusion energy projects General Atomics As scalable technology ... RE58-59 General remarks ... RE59 Fast ignition process in ... RE59-60, RE65 Government programs Funding from governments, not industry, for Triple bottom line (social, economic, environmental) research re ... RE63 for evaluation of ... RE67 Global economic investment in ... RE61-62 Greenhouse gas emissions IAEA plans re ... RE60 Comparison of coal-produced and fusion-produced Overview of ... RE57-62 power re ... RE58–59 Timeline for ... RE58, RE60 Helium Fusion energy projects-Alberta Canada-US partnerships re, proposal for ... RE60-As output in fusion-produced energy ... RE58-59 High Power Energy Research (HiPER) EU fusion energy project at ... RE60, RE65 Development phases for ... RE58, RE61, RE65 Hydrogen fuel Funding for, proposal for ... RE61–62, RE65 As future energy source ... RE63 Investment return from ... RE61-62 Institute of Laser Engineering, Japan Provincial-federal relations re ... RE58, RE65-66 Fusion energy project at ... RE60–61, RE65

Offenberger, Dr. Allan (Professor Emeritus, University Pachal, Dianne (Campaigner, Sierra Club of Canada) of Alberta) (Continued) (Continued) International Atomic Energy Agency Castle Special Management Area Grizzly bear population ... RE172 Plans for fusion energy projects ... RE60 Committee on Resources and Environment, Standing-Laser Mégajoule, France Fusion energy project at ... RE59-60 Public meetings and inquiries Meeting with Sierra Club of Canada: Presentation Laser technology industry and discussion ... RE172, RE173-74 Impact of fusion energy projects on ... RE58-63 Grizzly bears-Habitat Manufacturing industry Alberta strategy re ... RE172 Impact of fusion energy projects on ... RE67 Nanotechnology Grizzly bears-Populations Use in fusion energy projects ... RE60–61 National Ignition Facility, Laurence Livermore National Decline in ... RE174 General remarks ... RE173 Laboratory, California Statistics on ... RE172 Canada-US partnership with, proposal for ... RE60– Grizzly bears-Populations-British Columbia General remarks ... RE174 61, RE65 Economic investment in ... RE61 Grizzly bears-Populations-United States Funding for ... RE61 General remarks ... RE174 Grizzly bears-Range Fusion energy project at ... RE60–61, RE63, RE65 Fusion energy project at: Operational launch ... Decline in ... RE174 Industrial development RE60, RE65 Environmental impact of ... RE172 History of ... RE60-61, RE65 National Research Council Kakwa Wildland Park Communications with ACT re fusion energy project Grizzly bear population ... RE172 ... RE65 Parks, National General remarks ... RE67 Grizzly bear populations ... RE172 Parks, Provincial Natural Resources Canada Alberta strategy re ... RE172 Communications with ACT re fusion energy project Grizzly bear populations ... RE172 ... RE65 Natural Sciences and Engineering Research Council of Protected areas Canada Alberta stratgy re ... RE172 Grizzly bear populations ... RE172 Communications with ACT re fusion energy projects Roads ... RE65 Environmental impact of ... RE172 Nuclear power plants Rock Lake-Solomon Creek Wildland Park Comparison with fusion-produced energy ... RE58-Grizzly bear population ... RE172 Obama, Barack (U.S. President) Sierra Club of Canada Presentation to committee ... RE172, RE173-74 Support for energy/environment policies ... RE61 Species at Risk Act (Canada) Barrels of, in one cubic mile of oil ... RE58 Inclusion of grizzly bears under ... RE173 Photonics industry Water supply Conservation of ... RE172 Comparison with electronics industry ... RE60 Wildlife Act Impact of fusion energy projects on ... RE67 Photonics industry-Europe Proposed inclusion of grizzly bears under ... RE174 Comparison with electronics industry ... RE62 Wildlife management Research and development Alberta strategy re ... RE174 Funding for fusion energy projects, proposal for Willmore Wilderness Park government mandate to include ... RE65-66 Grizzly bear populations ... RE172 Rutherford Appleton Laboratory, United Kingdom Pastoor, Bridget Brennan (AL, Lethbridge-East) Fusion energy projects ... RE60 Alberta Government Offices Solar power Budget for ... RE72, RE75 Disadvantages of ... RE59 Collocation of, with embassy offices ... RE72 Fusion as source of ... RE58 Expenses of, payment by companies helped by ... SRI International RE73, RE75 Proposal by, for CMO as new standard unit ... RE58 IT standards/procedures in ... RE81-82 Tritium and deuterium (hydrogen isotopes) Review of (report) ... RE81 Use as fuel in fusion power generation ... RE59, Review of, Auditor General's recommendation re ... RE62 **RE81** University of Alberta Sharing of, with other provinces ... RE81 Funding for fusion energy projects from ... RE65 Staff, linguistic expertise ... RE72 STEP students employment in ... RE73, RE81 Impact of electrification of ... RE58 Washington, D.C. office: Lobbyists contracted by ... Wind power RE74 Disadvantages of ... RE59 Auditor General Fusion as source of ... RE58 International offices performance review

recommendation ... RE81

Pachal, Dianne (Campaigner, Sierra Club of Canada)

Biodiversity

Role of parks and protected areas in ... RE172

Pastoor, Bridget Brennan (AL, Lethbridge-East) Renner, Hon. Rob (PC, Medicine Hat) (Continued) Energy conservation (Continued) Carbon dioxide sequestration Public involvement, performance measures re ... Versus cap and trade system ... RE85–86 RE163 China-Alberta petroleum centre Energy efficiency for consumers Budget for ... RE71 Rebate program re ... RE148, RE158-59 City Centre Airport, Edmonton **Energy Resources Conservation Board** Future of ... RE81 EIA approval process ... RE158 Dept. of International and Intergovernmental Relations Environmental impact assessments Cumulative assessments ... RE148, RE149, RE151-Budget ... RE71 Estimates, 2009-10, debated ... RE71-75, RE81-82, RE85-86 General remarks ... RE158, RE167 Environmental law/regulations Hosting expenses ... RE71-72, RE75 Greenhouse gas emissions Breaches of, public reporting re ... RE156-57 Enforcement of (self-monitoring) ... RE157, RE165-Reduction of: Cap and trade system for, vs. carbon capture and storage ... RE85-86 Open Skies Inspectors for ... RE156-57, RE162, RE165-66 Western provincial discussion of ... RE81 **Environmental monitoring** Funding cuts for ... RE162 Student exchanges General remarks ... RE155-57 General remarks ... RE73 Environmental monitoring, Community-based Renner, Hon. Rob (PC, Medicine Hat) Fort Chipewyan area monitoring ... RE150 Acid rain EnviroVista program Monitoring of ... RE166 General remarks ... RE165 Air quality-Monitoring Fines (Pollution offences) General remarks ... RE156, RE160-61 General remarks ... RE152, RE165-66 Alberta Lake Management Society Groundwater Funding for ... RE157 Inventory/mapping of: Funding for ... RE153, Alberta Water Council RE166 Funding for ... RE153 Monitoring of ... RE156, RE157, RE165-66 Water allocation consultations ... RE152 Herbicide-fertilizer combination products Alberta Water Research Institute Ban on ... RE163 Jurisdictional analysis re water resources ... RE152 Home energy assessments Athabasca River basin General remarks ... RE159 Cumulative effects management in ... RE149 Hydrogen sulphide emissions–Monitoring Auditor General Exceeded occurrences ... RE161–62 Reclamation cleanup costs comments ... RE162 General remarks ... RE161 Canada ecoTrust for Clean Air and Climate Change Industrial development-Industrial Heartland area (Federal) Cumulative impact assessment of ... RE149 Funding from ... RE148, RE155, RE159, RE163 Monitoring of air pollution limits in ... RE152 Carbon dioxide emissions International finance Reduction in ... RE160 Crisis in, 2008, impact on Alberta economy ... Carbon dioxide sequestration **RE148** Funding for projects re ... RE160 Land-use framework Clean Air Strategic Alliance Funding for ... RE150-51 Projects by ... RE160 General remarks ... RE150, RE151 Climate change Regional advisory councils re, aboriginal Alberta plan for ... RE148, RE155 membership on ... RE150 Funding for ... RE163 Regional advisory councils re, environmental Climate Change and Emissions Management Fund expertise on ... RE150 Levy on polluters to create ... RE148, RE155, Lower Athabasca land-use region RE159-60 General remarks ... RE154, RE162 Climate Change Central Lower Athabasca Regional Advisory Council Administration of consumer energy efficiency Aboriginal membership on ... RE150 rebates ... RE158 Natural Resources Conservation Board Fundng for ... RE159 EIA approval process ... RE158 Cumulative Environmental Management Association Oil sands development–Environmental aspects First Nations participation in ... RE149-50 Cumulative impact assessment of ... RE149 Funding for ... RE149 General remarks ... RE157–58, RE160, RE167 General remarks ... RE149 Oil sands tailings ponds Dept. of Environment Reclamation of ... RE157, RE160 Budget ... RE148, RE150-51 Pesticides Communications budget increase ... RE166-67 Ban on ... RE163 Estimates, 2009-10, debated ... RE148-67 Reclamation of land **Ducks Unlimited** Cleanup costs funding requirements ... RE162 Wetland restoration initiatives ... RE154 Monitoring of ... RE166 Economic development and the environment

General remarks ... RE148

Wetland areas ... RE154

Stevens, Hon. Ron, QC (PC, Calgary-Glenmore) Renner, Hon. Rob (PC, Medicine Hat) (Continued) (Resigned as MLA effective May 15, 2009) Sewage disposal plants, Regional Funding for ... RE148, RE164-65 (Continued) South Saskatchewan land-use region Alberta Government Offices (Continued) Management of water in ... RE151 Cost-benefit analysis of ... RE79 South Saskatchewan River basin Elimination of ... RE78-79 Management of water in ... RE151 Evaluation of ... RE85 Tailpipe emissions—Monitoring Expenses of, payment by companies helped by ... General remarks ... RE161 RE73, RE75 Taxi fleets General remarks ... RE70, RE76, RE80 Use of hybrid vehicles ... RE159 IT standards/procedures in ... RE81-82 Water conservation Review of (report) ... RE71, RE79, RE81 Public involvement, performance measures re ... Review of, Auditor General's recommendation re ... RE163 RE81 Water for Life, Alberta's Strategy for Sustainability Sharing of, with other provinces ... RE80 Funding for ... RE153, RE157 Staff, appointment process re ... RE78 Renewed strategy ... RE148 Staff, linguistic expertise ... RE73 Water licences STEP students employment in ... RE73-74 Trading system for ... RE164 Washington, D.C. office: Activities re energy, Usage of allocated water under ... RE152-53, RE164 environment, climate change issues ... RE84 Water licences-Australia Washington, D.C. office: Head of ... RE74, RE75-Trading system for ... RE164 76, RE78, RE83 Water meters Washington, D.C. office: Lobbyists contracted by ... Number of ... RE163, RE164 RE74, RE84 Water quality Auditor General Monitoring, funding for ... RE157, RE166 International offices performance review Performance measures re ... RE163 recommendation ... RE81 Water storage-South Saskatchewan River basin Beef-Export General remarks ... RE151 General remarks ... RE87 Water treatment plants, Regional Impact of BSE outbreak on ... RE76 Funding for ... RE164–65 Role of Alberta overseas offices in facilitating ... General remarks ... RE148, RE153 Watershed planning and advisory councils Bio 2009 International Convention, Atlanta, Georgia Funding for ... RE151, RE153, RE157 Alberta participation ... RE70, RE87 Wetlands Biotechnology Policy re ... RE148, RE149, RE154 Promotion of Alberta companies in ... RE70 Wetlands, Constructed Bitumen-Export General remarks ... RE154 General remarks ... RE86-87 Rockel, Mery (President, Alberta Federation of Rural Bovine spongiform encephalopathy **Electrification Associations**) Impact on beef exports ... RE76 Alberta Federation of Rural Electrification Associations Carbon dioxide sequestration Presentation to committee ... RE191 Canada-U.S. discussions re ... RE84 Calgary Power Funding for projects re ... RE84 General remarks ... RE191 Versus cap and trade system ... RE85–86 Committee on Resources and Environment, Standing-China-Alberta petroleum centre Public meetings and inquiries Budget for ... RE70-71, RE76 Meeting with Alberta Federation of Rural Director of, appointment process re ... RE78 Electrification Associations: Presentation and General remarks ... RE72 discussion ... RE191 Climate change Electric power–Retail sales North American harmonization of policy re ... RE74, Impact of transmission costs on prices ... RE191 RE83-84 Electric power lines-Construction Climate Change and Emissions Management Act Alberta strategy re ... RE191 General remarks ... RE84 Twinning of lines, alternatives to ... RE191 Climate Change and Emissions Management Fund Fortis Alberta General remarks ... RE191 Levy on polluters to create ... RE84 Climate change policy–Mexico Rural electrification associations General remarks ... RE86 Electric power lines, construction of ... RE191 Wind power CN Rail Oil shipments to west coast ... RE76 Impact on price of electricity ... RE191 Transmission of ... RE191 Corporations-Registration Wheeling charges ... RE191 Harmonization of Alberta/British Columbia regulations re ... RE87 Stevens, Hon. Ron, QC (PC, Calgary-Glenmore) Council of State Governments (Resigned as MLA effective May 15, 2009) Alberta participation ... RE70 Alberta Government Offices Council of the Federation Beijing office ... RE71 General remarks ... RE70 Budget for ... RE72, RE75

Collocation of, with embassy offices ... RE72, RE78

Regina meeting, August 2009 ... RE80

Stevens, Hon. Ron, QC (PC, Calgary-Glenmore) (Resigned as MLA effective May 15, 2009) (Continued) Credit unions Harmonization of Alberta/British Columbia regulations re ... RE87 Dept. of Education Minister's travel to Washington, D.C. ... RE77 Dept. of International and Intergovernmental Relations Budget ... RE70, RE71, RE77 Estimates, 2009-10, debated ... RE69-87 Estimates, 2009-10, debated: Amendment motion re ... RE83–84 Hosting expenses ... RE71-72, RE75 Minister's/Deputy Minister's budget ... RE77 Minister's travel ... RE76-77 Electric power, Coal-produced Carbon emissions from ... RE85-86 Enbridge Inc. Northern Gateway pipeline to west coast ... RE76 Energy, Clean Canada/U.S. dialogue re ... RE84, RE86 Energy Independence and Security Act of 2007 (United States) Role of Alberta's Washington representative re ... RE75-76, RE83 Energy industry technology Sale to developing countries ... RE86 Energy resources-Export General remarks ... RE70 Energy resources-Export-China General remarks ... RE76 Energy resources-Export-United States General remarks ... RE70 Estimates of Supply, Main Amendment to International and Intergovernmental Relations estimates, motion for ... RE83-84 Greenhouse gas emissions Reduction of: Cap and trade system for, vs. carbon capture and storage ... RE85-86 Idaho National Laboratory Alberta visit to ... RE76–77 Industrial development (Value-added industries) General remarks ... RE70 Information and communications technology Promotion of Alberta companies in: International marketing re ... RE70 International business partnering program General remarks ... RE70 International relations Alberta strategy re ... RE70 International relations-United States General remarks ... RE70 International trade General remarks ... RE82 International trade-Asia General remarks ... RE70-71, RE76, RE86-87 International trade-China General remarks ... RE71 International trade-India General remarks ... RE86 Interprovincial relations General remarks ... RE70, RE80

Interprovincial trade

RE87

Internal trade agreement ... RE70

Internal trade agreement, impact of TILMA on ...

```
Stevens, Hon. Ron, QC (PC, Calgary-Glenmore)
  (Resigned as MLA effective May 15, 2009)
   Jalisco state, Mexico
      10th anniversary of Alberta twinning with, hosting
         costs for ... RE71
  Life sciences
      Promotion of Alberta companies in: International
         marketing re ... RE70
  Nanotechnology
      Promotion of Alberta companies in ... RE70
   North American free trade agreement
      Alberta participation ... RE70
      Renegotiation suggestions re ... RE82
      Renegotiation suggestions re, impact on softwood
         lumber agreement ... RE82
   Oil sands development–Environmental aspects
      U.S./world reaction to Alberta situation ... RE84
   Open Skies
      Western provincial discussion of ... RE80
   Pacific Northwest Economic Region
      Alberta participation ... RE70, RE77
   Petróleos Mexicanos
      General remarks ... RE71-72
   Posa Rica, Mexico, seminar
      Alberta hosting expenses re ... RE71–72
   Postsecondary educational institutions
      Attraction of foreign students ... RE73
  Securities-Law and legislation
      National harmonization of ... RE80
      National harmonization of (passport system) ...
        RE80
  Softwoods-Export-United States
      Framework agreement re, April 27, 2006: Impact of
         NAFTA renegotiation on ... RE82
   Student exchanges
      General remarks ... RE73
   Technology commercialization
      Initiatives re: International marketing of ... RE70
   Trade, Investment and Labour Mobility Agreement
     (Alberta /British Columbia)
      Dispute mechanism ... RE78, RE87
      General remarks ... RE70
      Impact on agreement on internal trade ... RE87
      Implementation of ... RE87
   Trade missions
      General remarks ... RE70
   Travel at public expense
      General remarks ... RE76-77
   Trilateral premiers' meeting, Vancouver (March 2009)
General remarks ... RE70, RE80, RE87
   United Nations Climate Change Conference,
     Copenhagen (December 2009)
      General remarks ... RE74, RE84, RE86
   Value-added exports
      Increase in ... RE70
   Western economic partnership (Alberta, British
     Columbia, Saskatchewan)
      General remarks ... RE70, RE80, RE87
   Western Governors Association
      Alberta participation ... RE70
   Western Premiers' Conference, Dawson City (June
      General remarks ... RE80
   Western premiers' conferences
      General remarks ... RE70
   World Trade Organization
      Alberta participation ... RE70
```

Taft, Dr. Kevin (AL, Edmonton-Riverview) Taft, Dr. Kevin (AL, Edmonton-Riverview) (Continued) Abattoirs Dept. of Energy (Alberta) Estimates, 2009-10, debated ... RE108-14, RE122-Food safety standards in ... RE133-34 Agricultural boards and commissions Energy conservation Service fees of, refundability ... RE140–41 General remarks ... RE114–15 Service fees of, refundability (Bill 43) ... RE141 Energy efficiency Agricultural subsidies General remarks ... RE129, RE139 General remarks ... RE114-15, RE123 Agriculture Energy resources, Alternate/renewable General remarks ... RE114-15, RE122-23 Government assistance programs ... RE130, RE134, Farm safety RE139 Initiatives re ... RE140 Government expenditures increase re ... RE129 Food safety Agriculture-Finance Funding for ... RE131-32, RE133, RE135 Federal funding for ... RE139 Standards re, for abattoirs ... RE133-34 Agriculture-Research Gas. Natural Funding for ... RE145 Production trends re ... RE112 Agriculture Financial Services Corporation Growing Forward: The New Agricultural Policy Loans for abattoir food safety improvements ... Framework (Federal/provincial) **RE133** Automation and lean manufacturing element ... Provincial funding for ... RE144-45 **RE139** Surpluses ... RE144 General remarks ... RE134, RE139 Alberta farm fuel benefit program H1N1 influenza virus Auditor General's remarks re ... RE141 Appearance in central Alberta pig herd ... RE132–33 Alberta farm recovery program Hog industry Funding for ... RE129, RE130 Impact of H1N1 influenza virus on ... RE132–33 Alberta Health Services Board Innovative Research Group, Inc. Member of (Tony Franceschini), conflict-of-interest Nuclear power generation in Alberta, public of ... RE130-31 meetings re ... RE114 Alberta Investment Management Corporation Marketing of Agricultural Products Amendment Act, Board membership conflicts ... RE130 2009 (No. 2) (Bill 43) Alberta Livestock and Meat Agency General remarks ... RE141 Board governance ... RE130-31 Natural resources revenue Board governance, funding for ... RE135 General remarks ... RE110 Code of conduct in ... RE131 Performance measures re ... RE108-09 Food safety initiatives ... RE135 Nuclear power General remarks ... RE130 General remarks ... RE113 Alberta Livestock Information System Public discussions re ... RE113-14, RE123-24 Traceability component ... RE131, RE132–33 Oil Traceability component, federal involvement ... Production trends re ... RE112 RE132-33 Oil recovery methods Auditor General Carbon dioxide sequestering ... RE112–13 Farm fuel benefit program comments ... RE141 Oil sands development Resource royalty system comments ... RE108–09 Royalties paid by ... RE112 Resource royalty system, former Auditor General's Strategy re ... RE111, RE123-24 report on ... RE108-09 Prion research Bioindustrial technology Funding for ... RE143 Funding for ... RE145 Public Affairs Bureau Bitumen Role in preparation of Energy dept. documents ... Upgrading ... RE111, RE112, RE124 RE111 Bitumen-Royalties Royalty structure (Energy resources) Auditor General's comments re ... RE108-09 Bitumen royalty-in-kind policy ... RE111–12, RE124 Long-range forecasting of ... RE109–10 Former Auditor General's comments re ... RE108-09 Bovine spongiform encephalopathy Long-range forecasting re ... RE109–10 Impact on beef exports ... RE128 Rural economic development General remarks ... RE139–40 Testing for ... RE143 Canadian Oil Sands Trust Solar power General remarks ... RE114, RE122-23 Long-range royalties/revenues forecasting ... Specified risk material (Cattle parts) RE109-10 Disposal of, funding for ... RE131–32 Carbon dioxide sequestration Suncor Inc. Funding for projects re ... RE112-13 Royalty structure change, to bitumen rate ... RE112 Community Development Trust (Federal fund) Syncrude Canada Ltd. Application to agricultural issues ... RE140 Royalty structure change, to bitumen rate ... RE112 Dept. of Agriculture and Rural Development University of Alberta Estimates, 2009-10, debated ... RE128-35, RE139-Agricultural research at ... RE145 41, RE143-45 Wind power Expenditures increase in ... RE129

General remarks ... RE123

Taylor, Dave (AL, Calgary-Currie) Taylor, Dave (AL, Calgary-Currie) (Continued) Alberta-Economic conditions Electric power, Coal-produced General remarks ... RE178-79 Future use of ... RE197 Alberta Electric System Operator Transmission of ... RE203 Electric power, Coal-produced-Ontario Role of ... RE178-79, RE190, RE197 General remarks ... RE203 Transmission infrastructure plan ... RE203 Transmission system capacity forecasts ... RE178-Electric power, Coal-produced–United States Coal-produced ... RE203 General remarks ... RE203 Alberta Federation of Rural Electrification Associations Presentation to committee ... RE190 Electric power, Gas-produced As dispatchable technology ... RE203 Alberta Geothermal Energy Association Future use of ... RE197 Presentation to committee ... RE184 Electric power lines Alberta Utilities Commission Interties with British Columbia ... RE203 Role in electricity transmission system planning ... Electric power lines-British Columbia RE178-79 Interties with Alberta ... RE203 Role of ... RE197 Electric power lines-Construction Canadian Wind Energy Association Alberta Electric System Operator role in ... RE203 Presentation to committee ... RE178-79 Alberta strategy re ... RE178–79, RE197, RE203 Capital Power Corporation General remarks ... RE190 Presentation to committee ... RE197 Timing/scope of new projects ... RE197 Carbon offsets Electric power lines-Construction-Edmonton to Calgary Alberta strategy re ... RE197 (HVDC) Climate change Alberta strategy re ... RE190, RE197 Impact on electric power industry ... RE197 Use of direct current in ... RE197 Committee on Resources and Environment, Standing-Electric power plants Public meetings and inquiries Location of ... RE203 Meeting with Alberta Federation of Rural Peaking plants, location of ... RE203 Electrification Associations: Presentation and Electric power plants-Calgary discussion ... RE190 General remarks ... RE190, RE203 Meeting with Alberta Geothermal Energy Electric Statutes Amendment Act, 2009 (Bill 50) Association: Presentation and discussion ... RE184 General remarks ... RE197 Meeting with Canadian Wind Energy Association: Opposition to by Enmax ... RE190 Presentation and discussion ... RE178-79 Electric utilities-Regulations Meeting with Capital Power: Presentation and Deregulation ... RE190 discussion ... RE197 Enbridge Inc. Meeting with Enmax: Presentation and discussion ... Electric power lines, position on ... RE197 RE197, RE202-03 Energy, Clean Meeting with Greengate Power: Presentation and Standards re ... RE178 discussion ... RE178-79 Energy industry
Impact of global economic crisis on ... RE184 Meeting with IPPSA: Presentation and discussion ... RE197, RE202-03 **Enmax Corporation** Contaminated sites Electric power plants ... RE203 Use in electric power generation ... RE203 Opposition to electric power line construction (Bill District energy systems 50) ... RE190 Use of geothermal power in ... RE184 Presentation to committee ... RE197, RE202–03 Electric power **EPCOR Group of Companies** As dispatchable technology ... RE203 General remarks ... RE190 Cogeneration of ... RE203 Genesee 3 power plant ... RE203 Export of ... RE203 Gas, Natural Future use of ... RE197, RE203 Future use of ... RE184 Generation of, variability in ... RE203 Use in electric power generation ... RE178 Local generation of ... RE202-03 Geothermal power Research and development ... RE202-03 Alberta strategy re ... RE184 Storage of ... RE203 Cost of ... RE184 Future use of ... RE184 Transmission of, Alberta policy re ... RE178-79 Residential installations, cost of ... RE184 Electric power–Prices Retrofitting versus new construction ... RE184 Impact of location on ... RE203 Statistics on ... RE184 Impact of transmission costs on ... RE197 Geothermal power-Manitoba Electric power–Retail sales–Calgary Incentives for ... RE184 General remarks ... RE190 Geothermal power-United States Electric power-Retail sales-Edmonton District energy systems ... RE184 General remarks ... RE190 **Greengate Power Corporation** Electric power–Retail sales–Vegreville Presentation to committee ... RE178–79 General remarks ... RE190 Electric power-Vegreville

General remarks ... RE203

Use of geothermal power in ... RE184

Taylor, Dave (AL, Calgary-Currie) (Continued) Vaasjo, Brian (President & CEO, Capital Power Corporation) (Continued) Hotels Electric power (Continued) Use of geothermal power in ... RE184 Market competition ... RE194 Independent Power Producers Society of Alberta Standards for ... RE201 Presentation to committee ... RE197, RE202–03 Nuclear power plants Transmission of, Alberta policy re ... RE193-94 General remarks ... RE203 Transmission of, cost of ... RE194, RE196 Oil sands development–Syria Electric power–Calgary General remarks ... RE199 Initiatives re ... RE197 Electric power-Edmonton TransCanada Pipelines Limited General remarks ... RE193, RE196 General remarks ... RE197 Wind power Electric power–Environmental aspects Alberta strategy re ... RE197 Future use of ... RE178, RE197 Greenhouse gas emissions ... RE194 Electric power–Fort McMurray Infrastructure needs ... RE178-79 General remarks ... RE199 Electric power–Joffre Statistics on ... RE178 General remarks ... RE204 Transmission of ... RE203 Variability in generation of ... RE178 Electric power–Prices Wind power-Cardston General remarks ... RE193–94, RE199 General remarks ... RE178 Impact of location on ... RE204 Wind power-Europe Impact of power line construction on ... RE201 Electric power–Prices–Edmonton Initiatives re ... RE178 Cost of ... RE194 Wind power-Europe-Denmark Initiatives re ... RE178 Electric power-Supply-Ontario Wind power-Lethbridge Shortage of (blackouts) ... RE201 Initiatives re ... RE178 Electric power-Supply-Quebec Shortage of (blackouts) ... RE201 Wind power–Pincher Creek Electric power-Supply-United States General remarks ... RE178 Shortage of (blackouts) ... RE201 Tocher, Dan (Vice-President of Stakeholder Relations, Electric power–United States **Greengate Power Corporation**) General remarks ... RE193 **Greengate Power Corporation** Electric power, Coal-produced General remarks ... RE176 Cost of ... RE199 Vaasjo, Brian (President & CEO, Capital Power General remarks ... RE193 **Corporation**) Electric power, Gas-produced Alberta Electric System Operator General remarks ... RE193 Decision on Rossdale Generating Station closure ... Electric power lines **RE194** Interties with British Columbia ... RE194 Role of ... RE194, RE201 Interties with Saskatchewan ... RE194 Transmission infrastructure plan ... RE196, RE201, Electric power lines-British Columbia RE204 Interties with Alberta ... RE194 Biomass as energy source Electric power lines-Construction General remarks ... RE193, RE199 Alberta strategy re ... RE193, RE196, RE199, **Bow City Power Project** RE201, RE204 General remarks ... RE194 Cost of ... RE196 **Bruce Power** Critical transmission infrastructure ... RE201 Nuclear power plant proposal for Peace River ... Impact on market competition ... RE194 RE196 Timing/scope of new projects ... RE198, RE204 Capital Power Corporation Electric power lines-Construction-Edmonton to Calgary Electric power lines, position on Alberta policy re ... (HVDC) RE196 Alberta strategy re ... RE198, RE201 Keephills 3 power project, cost of ... RE193 Electric power lines-Saskatchewan Presentation to committee ... RE193–94, RE196, Interties with Alberta ... RE194 RE198-99, RE201, RE204 Electric power plants Statistics on ... RE193 Construction of ... RE194 Committee on Resources and Environment, Standing-Location of ... RE193, RE196, RE199 Public meetings and inquiries Peaking plants ... RE196 Meeting with Capital Power: Presentation and Electric power plants-Edmonton discussion ... RE193-94, RE196, RE198-99, Closure of Rossdale Generating Station ... RE194 RE201, RE204 Peaking plants ... RE196 Contaminated sites Electric Statutes Amendment Act, 2009 (Bill 50) Use in electric power generation ... RE196 Impact on cost of power to consumers ... RE194 Electric power Enbridge Inc. Alberta strategy re ... RE194 Electric power lines, position on ... RE198 Cogeneration of ... RE199, RE204 Energy resources, Alternate/renewable Generation of, statistics on ... RE193 Use in electric power generation ... RE193 Generation of, variability in ... RE194 Energy strategy Import of ... RE194 Impact on electric power industry ... RE193, RE194 Local generation of ... RE194

Vaasjo, Brian (President & CEO, Capital Power Weadick, Greg (PC, Lethbridge-West) (Continued) Corporation) (Continued) Grizzly bears **Enmax Corporation** Deaths of ... RE173 Grizzly bears-Habitat Electric power lines, position on ... RE204 **EPCOR Group of Companies** General remarks ... RE173 General remarks ... RE196 Grizzly bears-Populations Gas, Natural Decline in ... RE173 Use in electric power generation ... RE193, RE196, General remarks ... RE173 Measurement of ... RE173 RE199 Greenhouse gas emissions Statistics on ... RE173 Reduction of ... RE194 Grizzly bears-Populations-British Columbia Nuclear power plants General remarks ... RE173 Bruce Power proposal ... RE196 Grizzly bears-Populations-Jasper National Park Cost of electric power generation ... RE196 General remarks ... RE173 Oil sands development Grizzly bears-Populations-Rocky Mountains Electric power, cogeneration of ... RE204 General remarks ... RE173 Impact on economy of ... RE204 Grizzly bears-Populations-United States Research and development General remarks ... RE173 Grizzly bears-Range Electric power, economic aspects of ... RE204 Sanitary landfills Decline in ... RE173 Use in generation of electricity ... RE193 Impact of highways on ... RE173 TransCanada Pipelines Limited Highway 1 General remarks ... RE198 Deaths of grizzly bears on ... RE173 Waste heat capture Highway 3 Deaths of grizzly bears on ... RE173 Use in electric power generation ... RE193 Highway 11 Use in electric power generation ... RE196, RE199 Deaths of grizzly bears on ... RE173 Water power Highway 16 As dispatchable technology ... RE193 Deaths of grizzly bears on ... RE173 Jasper National Park Future use of ... RE199 Grizzly bear population ... RE173 General remarks ... RE193 Wind power Kakwa Wildland Park Potential for ... RE193, RE199 Grizzly bear population ... RE173 Transmission of ... RE196 Lethbridge College Wind turbine technology program ... RE177 Use of peaking technology in ... RE196 Variability in generation of, technologies related to Obama, Barack (U.S. President) ... RE196 Support for energy/environment policies ... RE177 Roads Weadick, Greg (PC, Lethbridge-West) Deaths of grizzly bears on ... RE173 Alberta Geothermal Energy Association Sierra Club of Canada Presentation to committee ... RE184 Presentation to committee ... RE173 Canadian Wind Energy Association Species at Risk Act (Canada) Presentation to committee ... RE177 Inclusion of grizzly bears under ... RE173 Role of ... RE177 Wildlife Act Committee on Resources and Environment, Standing-Proposed inclusion of grizzly bears under ... RE173 Public meetings and inquiries Meeting with Alberta Geothermal Energy Wildlife management Alberta strategy re ... RE173 Association: Presentation and discussion ... RE184 Wildlife-vehicle collisions Meeting with Canadian Wind Energy Association: Impact on grizzly bears' range ... RE173 Presentation and discussion ... RE177 Willmore Wilderness Park Meeting with Sierra Club of Canada: Presentation Grizzly bear populations ... RE173 and discussion ... RE173 Wind power District energy systems-British Columbia Alberta strategy re ... RE177 General remarks ... RE184 Potential for ... RE177 Eastern Slopes Grizzly Bear Project Promotion of Alberta companies in ... RE177 Co-operation with British Columbia on ... RE173 Regulations, Alberta strategy re ... RE177 Electric power Use of farmland for ... RE177 Generation of ... RE184 Wind power-Lethbridge Energy resources, Alternate/renewable Initiatives re ... RE177 Standards re ... RE177 Webber, Len (PC, Calgary-Foothills) Geothermal power Alberta farm recovery program Funding for ... RE146 Future use of ... RE184 Geothermal power-British Columbia Initiatives re ... RE184 Carbon dioxide emissions Grizzly bear management Reduction in ... RE160 Carbon dioxide sequestration Alberta strategy re ... RE173 Grizzly bear management-British Columbia Funding for projects re ... RE160 General remarks ... RE173 Climate Change and Emissions Management Fund

Levy on polluters to create ... RE159–60

Strategy re ... RE173

Webber, Len (PC, Calgary-Foothills) (Continued)

Climate Change Central Funding for ... RE159

Dept. of Agriculture and Rural Development Estimates, 2009-10, debated ... RE145-46

Dept. of Environment

Estimates, 2009-10, debated ... RE158-60

Energy efficiency for consumers

Rebate program re ... RE158-59

Farm produce–Export

Country of origin label regulation for ... RE146

Farm safety

Initiatives re ... RE145-46

Webber, Len (PC, Calgary-Foothills) (Continued)

Foreign workers, Temporary

Farm safety education for ... RE146

Oil sands development–Environmental aspects

General remarks ... RE160

Oil sands tailings ponds

Reclamation of ... RE160

Sewage disposal plants

Funding for ... RE146

Taxi fleets

Use of hybrid vehicles ... RE159