

# Karen Gorecki, B.Sc., M.P.P.

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Karen has fourteen years of experience in climate mitigation - researching and designing policy solutions and evaluating the impacts of programs. Her capabilities lie in research and writing, project management, public policy analysis, stakeholder dialogue, and facilitation and workshop delivery.

Karen is currently leading policy analysis and outreach efforts at Energy Efficiency Alberta focused on integrating energy efficiency into the utility system, enabling energy efficiency to bid into Alberta's capacity market, and providing input into the Alberta Utility Commission's AUC's Distribution Inquiry.

Through her work in energy and climate consulting, Karen has led a diversity of projects such as: municipal GHG reduction inventories and plans; strategic clean energy policy and planning; energy efficiency and clean energy policy analysis; and technology and market characterization studies.

As a Senior Analyst for Climate Change Central, Karen supported the development and application of energy-environment-economic models to guide a Conservation Potential Review and appraise policies and measures to improve energy efficiency in Alberta's residential and commercial buildings. Karen contributed to the evaluation of Alberta's \$62 million suite of energy efficiency programs.

## EMPLOYMENT HISTORY

Energy Efficiency Alberta	Director Policy Outreach, Consultant	2017- Ongoing
Gorecki Climate & Energy Consulting	Principal	2014 - Ongoing
Posterity Group	Consultant, Associate	2016-2017
C3 (Climate Change Central)	Senior Analyst, Policy Analyst	2006-2014
Environment Canada, Offset System	Analyst	2005
The Polis Project	Research Associate	2003-2004
Sierra Club of Canada	National Director	2000-2002
Health Canada	Analyst	1999-2000

## EMPLOYMENT HIGHLIGHTS

### Energy Efficiency Alberta

- Key policy areas include: enabling energy efficiency programs to bid into the capacity market and facilitating energy efficiency to be funded through the utility system;
- Leading submissions and engagement in the AUC's Distribution Inquiry;
- Engaging with utilities to encourage involvement in energy efficiency programming;
- Managing internal staff to conduct research and analysis;
- Overseeing consultants to provide research and analytical support;
- Building stakeholder relationships to gather knowledge and communicate key messages; and
- Writing briefings, memos and papers on key policy issues.

### Consulting (Gorecki Climate & Energy Consulting, and Posterity Group)

- Conducted three market characterization studies on energy efficient technologies;
- Managed staff and consulting teams;
- Produced municipal GHG reduction inventories and GHG reduction plans;
- Completed various demand-side management / climate mitigation analytical pieces: Property Assessed Clean Energy (PACE) policy and design recommendations, climate change resilience and mitigation program design for small communities, electric vehicle technology and communications research, DSM training course, grid intensity methodology and mobility as a service analysis;
- Conducted planning and workshop facilitation to formulate clean energy approaches for a major funding body; and
- Led business development efforts liaising with potential clients and drafting project proposals.

### Climate Change Central (C3)

- Conducted research, modelling, and writing on energy efficiency policies and technologies in Alberta, producing discussion papers, briefing notes, and quantitative tools;
- Supported design and evaluation of C3's \$65 million portfolio of energy efficiency programs;
- Completed consulting pieces for multiple clients;
- Provided analysis on the design and technical details of Alberta's carbon offset policies through industry stakeholder engagement;
- Provided analysis to improve the development and funding of climate change mitigation programs and policies; and
- Coordinated and facilitated various workshops and conferences.

## EDUCATION

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- Masters of Public Policy, Simon Fraser University, Vancouver, BC, 2006
- BSc with Distinction, Double Major Biology and Environmental Studies, University of Victoria, Victoria, BC, 2003

## ADDITIONAL TRAINING AND CERTIFICATION

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- Project Management Orientation, Nelson, BC, 2016
- Carbon Emission Reduction Expert Course ISO 14064-2 - Greenhouse Gas Projects, Canadian Standards Association, Edmonton, AB, 2009
- RETScreen Clean Energy Project Analysis Course, Natural Resources Canada, Calgary, AB, 2010
- Art and Craft of Effective Group Facilitation, Hollyhock Learning Centre, Cortes Island, BC, 2003

## PROJECT LIST

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**Integrating Energy Efficiency into the Utility System**, Energy Efficiency Alberta (EEA), 2018 - Ongoing (Director)

Leading efforts to encourage energy efficiency enabling policies, funding from rates, and alternative administration models for energy efficiency in Alberta. This involves managing consultants and internal research efforts, providing input to formal processes (such as government distribution policy review review) and ongoing stakeholder communications.

**Distribution System Inquiry**, Energy Efficiency Alberta, 2018-Ongoing (Director)

Leading research and writing for EEA's submission to the Alberta Utilities Commission's (AUC) Distribution System Inquiry focused on non-wires alternatives, and funding for jurisdiction-wide demand-side management programs.

**Capacity Market Energy Efficiency**, Energy Efficiency Alberta, 2018-Ongoing (Director)

Leading efforts to educate on the value and the design considerations of having energy efficiency bid into Alberta's proposed capacity market while quantifying energy efficiency's potential impact, revenue, and measurement & verification costs.

**City of Leduc GHG Inventory and Reduction Plan**, City of Leduc, October 2016 – April 2019 (Lead Consultant and Author)

Completed Leduc's corporate and community GHG inventory and Reduction Plan guided by a public & stakeholder engagement process and using an energy and emissions model to quantify the socio-economic and financial impacts of proposed actions.

**Climate Action Program**, Columbia Basin Trust, 2016 – 2018 (GHG Reduction Advisor)

Provided technical support to a community climate mitigation and adaptation program in the Columbia Basin, including grid-intensity factor methodology recommendations, an academic and technology review of ridesharing, and 'transportation as a service' opportunities for small communities.

**Property Assessed Clean Energy (PACE)**, Energy Efficiency Alberta, 2017-2018 (Consultant)

Provided analysis, writing, planning, and design support to develop a PACE program in Alberta including memos, a green paper, and an implementation plan.

**Vehicle Technology, Transportation Energy-Use and Electric Vehicle Information Scan**, Natural Resources Canada (NRCan), 2016 (Lead Author)

Evaluated government vehicle web portal providing information on other effective communication strategies and tactics on fuel efficiency and electric vehicles.

**Natural Gas Heat Pump Pre-Feasibility Study**, FortisBC, 2016 (Project Manager)

Conducted a pre-feasibility study on gas heat pumps including assessing technology risks and market barriers and estimating the achievable potential of relevant technologies.

**Demand-Side Management Training Course**, FortisBC, 2016 (Consultant)

Developed DSM course modules on: market characterization and barrier analysis, program design for market barriers, program economics and portfolio design.

**Residential Forced Air Zone Control Pre-Feasibility Study**, FortisBC, 2016 (Lead Author)

Conducted a pre-feasibility study on residential forced air zone control including assessing technological risks and market barriers and estimating the achievable potential of relevant technologies.

**Indirect-fired Domestic Hot Water System Pre-Feasibility Study**, Union Gas, 2016 (Consultant)

Wrote market characterization chapter on indirect-fired water heating systems as a DSM measure in Ontario.

**Climate Resilience Program Design**, Columbia Basin Trust, 2015-2016 (Analyst)

Conducted a barriers analysis and committee engagement process to design a climate resilience program that supports climate change adaptation and mitigation activities in the BC Columbia Basin region.

**Energy in the Columbia Basin**, Columbia Basin Trust, 2014. (Project Manager and Author)

Provided project management, research, and facilitation to develop an approach to sustainable energy in the BC Columbia Basin region.

**Energy Conservation Scoping Document**, Climate Change Emissions Management Corporation (CCEMC), 2014 (Project Manager and Author)

Wrote a scoping document on energy conservation to inform CCEMC's funding approach including compatibility with their funding guidance and requirements.

**Community Integrated Energy Mapping Feasibility Study**, NRCan, 2013 – 2014, (Analyst)

Conducted analysis on the barriers and opportunities for energy integration and the use of waste heat highlighting case studies at other industrial parks.

**Energy and Climate Transition Plan**, City of Edmonton, 2013-2014, (Analyst)

Developed a socio-economic and financial business case for a more energy efficient building code in Edmonton, Alberta.

**Biofleet Project**, Alberta Energy, 2013-2014 (Project Manager and Author)

Conducted quantitative analysis on the GHG Implications of Alberta's Renewable Fuel Standard based on 2011 and 2012 compliance years.

**Home Energy Labelling Program Design**, City of Edmonton, 2013, (Analyst).

Wrote a program and evaluation plan for Edmonton's home energy labelling program.

**Policy Potential for Increased Energy Efficiency in Alberta's Single-family Homes, Alberta Energy, 2013 (Analyst).**

Modelled the socio-economic and financial impact of energy efficiency policy bundles for single-family homes in Alberta.

**Energy Efficiency Planning Framework for Alberta, C3, 2012, (Author)**

Outlined a framework to ensure Alberta's energy efficiency initiatives: are based on a clear program logic, represent 'value for money', and are coordinated across all target market segments.

**Energy Efficiency Funding and Administration Options for Alberta, C3, 2012 (Co-author).**

Co-authored a paper on why a new approach to the funding and administration of energy efficiency is needed in Alberta including viable funding options and administration options.

**Provincial Energy Efficiency Rebate Program, Government of Alberta, 2009-2012 (Analyst)**

Supported evaluation of \$62 million of consumer rebate programs including technical resource manuals, quantification templates, cost effectiveness analysis and drafting evaluation plans.

**Alberta Utilities Commission ATCO Gas 2011-2012 General Rate Application, C3, 2011 (Senior Analyst).**

Provided expert witness and submissions on the demand-side management components of ATCO Gas' general rate application.

**Conservation Potential Review (CPR), Alberta Environment, 2010-2011 (Research Analyst).**

Developed the residential model for an energy-efficiency supply curve and GHG marginal abatement cost curve for Alberta's buildings from 2010-2025.

**Renewable Energy Vetting Guide, Alberta Agriculture and Rural Development, 2010 (Co-author)**

Wrote a primer on the technical parameters and policy enablers for select renewable energy projects.

**North American Working Group Technical Analysis of Offset Protocols, Industry Provincial Offsets Group (IPOG), 2010 (Project Manager).**

Managed consultants and a working group aimed at aligning offset protocols across North America on coal mine methane and ozone depleting substances sectors.

**Offset-related Position Papers, IPOG, 2009 (Author).**

Wrote papers providing context and logic for policy solutions affecting offset protocols on the topics of additionality, permanence, and ownership of GHG emissions distributed to various federal and provincial government officials, and industry stakeholders.

**Carbon Pricing Policy Frameworks, Senate Standing Committee, 2009 (Contributing Author).**

Analyzed different carbon pricing frameworks, highlighting key differences and summarized different operational or proposed carbon pricing frameworks in North America and Europe.

**Coordinate Protocol Adaptation Process, Canadian Offset System for the Industry Provincial Offset Group, 2009 (Coordinator).**

Coordinated and facilitated working groups to adapt protocols to the proposed Canadian Offset System.

**Broadening Alberta's Carbon Market, C3, 2008 (Contributing Author).**

Contributed to qualitative evaluation of the economic, environmental, distributional and innovation effects of linking Alberta's carbon market with an external offset system or a cap-and-trade system.

**Alberta Offset System – First Year Retrospective, Alberta Environment, 2008 (Analyst).**

Designed and analyzed the results of a survey of market participants reviewing the Alberta Offset System after its first year of operation identifying successes and areas for improvement.

**Carbon Trading 101 Workshops, various stakeholder organizations, 2008-2006 (Facilitator).**

Presented and facilitated workshops to various stakeholder groups to improve their understanding of policies, issues, risks, and opportunities related to the Alberta Offset System.

**GHG Offset Protocol Technical Review and Catalogue, Environment Canada, 2008 (Analyst).**

Wrote a report and coordinated workshops to review existing GHG offset protocols and their adaptability to the proposed Canadian Offset System.

**Canadian Carbon Market Policy Updates, Point Carbon, Norway, 2006-2008 (Lead Author).**

Wrote Canadian policy updates for Point Carbon, a European-based carbon market news.

**Climate Change Adaptation and Mitigation Strategy, District of Elkford, 2009 (Project Manager and Co-author)**

Developed Elkford's climate change mitigation and adaptation strategy integrating the concepts into their Official Community Plan. Highlighted in the United Nations Framework Convention on Climate Change guidebook Assessing the Costs and Benefits of Adaptation Options.

**Technology Roadmap Assessment and State of the Industry Retrospective, Alberta Employment, Immigration and Industry, 2007 (Analyst).**

Wrote a report examining the state of climate change mitigation services and technologies in Alberta.