

Elson Advocacy

BY RESS

December 4, 2025

Mr. Ritchie Murray
Acting Registrar
Ontario Energy Board
2300 Yonge Street, Suite 2700
Toronto, Ontario M4P 1E4

Dear Mr. Richie:

Re: EB-2024-0198 – Revised Cost Claim of Green Energy Coalition

I am writing on behalf of the Green Energy Coalition to submit a revised cost claim. This claim now includes the costs of Chris Neme of the Energy Futures Group, which we had originally excluded. However, it has recently occurred to us that these costs may not be eligible in the future cost claim process as part of the refiled multi-year application. Also, we only recently learned that the multi-year application will be filed under a new docket number, which increases that concern for us.

Reimbursement of these costs is warranted as it was necessary for the experts to review the application and contribute to the drafting of interrogatories. Without those steps, their ability to provide helpful evidence for the OEB in this proceeding would have been greatly diminished. Although that evidence was not ultimately prepared or submitted, that is only due to the procedural changes in this proceeding. Also, we anticipate that some of the time spent thus far will be helpful with respect to the pending multi-year application.

We note that Enbridge has already filed its cost claim objections. We have spoken to counsel for Enbridge and have confirmed that Enbridge does not have any objections to these costs.

Yours truly,



Amanda Montgomery

EB-2024-0198 : 1 : Amanda Montgomery

COST CLAIM NUMBER
2921

SUBMISSION DEADLINE DATE
November 20, 2025

CLAIM STATUS
Submitted

EB#
EB-2024-0198: Rates: Distribution: Enbridge Gas
Inc.

OTHER EB#S

PHASE #*
1

INTERVENOR
Montgomery, Amanda; +1 (416) 906-7305
amanda@elsonadvocacy.ca

INTERVENOR COMPANY*
Green Energy Coalition, Maberly:
Cooperative

INTERVENOR TYPE
Unregistered

HST RATE ONTARIO
0.00

EXCHANGE RATE

COUNTRY
Canada

HST NUMBER

LATE SUBMISSION ALLOWED
Yes

EXTENSION DEADLINE DATE
December 05, 2025

PARTICIPANTS

New	Non-Filing Participant First, Last Name	Filing Participant	Total (\$)	Total Hours	Participant Claim Status
No	,	Montgomery, Amanda; +1 (416) 906-7305 amanda@elsonadvocacy.ca	1,156.40	5.90	Submitted
Yes	Chris , Neme		4,846.50	13.50	Submitted

ATTACHMENTS

Attachment	Document Type	Import Message
GEC_InvoiceandTimeDocket_20251120.pdf	Time Docket and Invoice	
GEC_CostClaimCvrLtr_20251204.pdf	Cover Letter	

TOTAL LEGAL/CONSULTANT/OTHER FEES
6,002.90

TOTAL DISBURSEMENTS
0.00

TOTAL HST
0.00

TOTAL CLAIM
6,002.90

TOTAL AMOUNT AWARDED

TOTAL HOURS CLAIMED
19.40

TOTAL HOURS DISALLOWED

REASON FOR
DISALLOWANCE

REASON FOR
DISALLOWANCE - 2

REASON FOR
DISALLOWANCE - 3

MAKE CHEQUE PAYABLE TO
Elson Advocacy, In Trust

SEND PAYMENT TO ADDRESS
1062 College Street, Lower Suite
Toronto, Ontario M6H 1A9

ATTENTION
Kent Elson

SUBMIT SECTION

I am a representative of the Party. I have examined all of the documentation in support of this cost claim. The costs incurred and time spent are directly related to the Party's participation in the OEB Process referred to above.

This cost claim does not include any costs for work done, or time spent, by a person that is an employee or officer of the Party as described in section 6.05 and 6.09 of the OEB's Practice Direction on Cost Awards.

The information (fees and disbursements) filed in this cost claim is complete and accurate and in accordance with the OEB's Practice Direction for Cost Awards and Appendix A, the Cost Awards Tariff.

SUBMITTED BY
Amanda Montgomery

DATE SUBMITTED
December 04, 2025

CASE EB-2024-0198: Rates: Distribution: Enbridge Gas Inc.	COST CLAIM EB-2024-0198 : 1 : Amanda Montgomery	INTERVENOR NAME Montgomery, Amanda; +1 (416) 906-7305 amanda@elsonadvocacy.ca	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT Montgomery, Amanda; +1 (416) 906-7305 amanda@elsonadvocacy.ca	NEW PARTICIPANT No	NON-FILING PARTICIPANT F. NAME	NON-FILING PARTICIPANT L. NAME
SERVICE PROVIDER TYPE* Legal Counsel	YEAR CALLED TO BAR* 2020	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE* 4	HOURLY RATE 196
HST RATE CHARGED* 0.00	CV STATUS (FOR CONSULTANT/ANALYST) CV Required	LAST CV DATE	OVERRIDE HOURLY RATE No
HST NUMBER	HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No

HEARINGS

Hearings Hours 5.90	Hearings Subtotal (\$) 1,156.40	Hearings Total Tax (\$) 0.00	Hearings Total (\$) 1,156.40
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<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
DISCOVERY						
Read and Research Application and Evidence	5.00	196	980.00	0.00		980.00
Preparation of Interrogatories		196		0.00		
Review Interrogatory Responses		196		0.00		
Technical Conference Preparation		196		0.00		
Technical Conference Attendance		196		0.00		
Technical Conference Follow-up		196		0.00		
Subtotal of DISCOVERY	5.00		980.00		0.00	980.00
PROCEDURAL						
Preparation of Issues List Submission		196		0.00		
Attendance at Issues List Conference		196		0.00		
Preparation for a Confidentiality Request		196		0.00		
Prepare Submissions on Confidentiality		196		0.00		
Preparation of Motion(s) Materials		196		0.00		
Prepare Submissions on the Motion(s)		196		0.00		
Attendance at Hearing on Motion(s)		196		0.00		
Review Procedural Documents		196		0.00		

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Subtotal of PROCEDURAL	0.00		0.00		0.00	0.00
INTERVENOR EVIDENCE						
Preparation of Intervenor Evidence	0.90	196	176.40	0.00		176.40
Interrogatory Responses		196		0.00		
Preparation of Witness(es) for Attendance at Hearing		196		0.00		
Subtotal of INTERVENOR EVIDENCE	0.90		176.40		0.00	176.40
SETTLEMENT CONFERENCE						
Preparation for Settlement Conference		196		0.00		
Attendance at Settlement Conference		196		0.00		
Preparation of Settlement Proposal		196		0.00		
Attendance at Presentation to Panel		196		0.00		
Subtotal of SETTLEMENT CONFERENCE	0.00		0.00		0.00	0.00
WRITTEN ARGUMENT						
Written Submissions		196		0.00		
Subtotal of WRITTEN ARGUMENT	0.00		0.00		0.00	0.00
ORAL ARGUMENT						
Preparation for Oral Hearing		196		0.00		
Attendance at Oral Hearing		196		0.00		
Oral Submissions		196		0.00		
Attendance at Oral Submissions		196		0.00		
Subtotal of ORAL ARGUMENT	0.00		0.00		0.00	0.00
DECISION						
Review Decision		196		0.00		
Review Rate/Accounting Order		196		0.00		
Prepare Submission on Rate Order		196		0.00		
Subtotal of DECISION	0.00		0.00		0.00	0.00
OTHER						
Other Attendance (e.g., Intervenor Conferences)		196		0.00		
Subtotal of OTHER	0.00		0.00		0.00	0.00
TOTAL SERVICE PROVIDER FEES						
Total Service Provider Fees	5.90		1,156.40		0.00	1,156.40

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
GEC_InvoiceandTimeDocket_20251120.pdf	Time Docket	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
GEC_InvoiceandTimeDocket_20251120.pdf	Time Docket	Hearings	

Elson Advocacy

Invoice

Green Energy Coalition
ON
Ontario

November 19, 2025

File #: 0271
Inv #: 1458

RE: EGI DSM Plan (EB-2024-0198)

DATE	DESCRIPTION	HOURS	LAWYER
Jan 7, 2025	Review Notice; diarize deadline for intervention request	0.10	AM
Jan 8, 2025	Review materials and explore potential expert evidence	0.50	AM
Jan 15, 2025	Draft intervention request	1.50	AM
Jan 16, 2025	Revise and submit intervention request; various correspondence	0.90	AM
Jan 21, 2025	Review correspondence from Enbridge re intervention requests	0.30	AM
Jan 23, 2025	Confer with K. Elson re evidence	0.10	AM
Jan 27, 2025	Draft response to EGI's intervention request objection	1.70	AM
Mar 4, 2025	Review Procedural Order #1; review correspondence from K. Elson and M. Brophy; diarize upcoming deadlines	0.20	AM
Mar 17, 2025	Confer with K. Elson re evidence proposal; correspond with M. McCarey	0.50	AM
Jul 15, 2025	Review correspondence from EGI re proposed intervenor evidence	0.10	AM
	Total Hours and Fees	5.90	\$1,156.40

Elson Advocacy
Professional Corporation

Kent@ElsonAdvocacy.ca
1062 College St., Lower Suite, Toronto, ON M6H 1A9

tel: 416 906-7305
fax: 416 763-5435

Total HST on Fees \$150.33

TOTALS

Total Fees & Disbursements \$1,156.40

Total HST \$150.33

Total Fees, Disbursements, & HST \$1,306.73

Amount Now Due \$1,306.73

HST # 75532 3078 RT0001

Total HST \$150.33

Chris Neme

CASE EB-2024-0198: Rates: Distribution: Enbridge Gas Inc.	COST CLAIM EB-2024-0198 : 1 : Amanda Montgomery	INTERVENOR NAME Montgomery, Amanda; +1 (416) 906-7305 amanda@elsonadvocacy.ca	PARTICIPANT CLAIM STATUS Submitted
FILING PARTICIPANT	NEW PARTICIPANT Yes	NON-FILING PARTICIPANT F. NAME Chris	NON-FILING PARTICIPANT L. NAME Neme
SERVICE PROVIDER TYPE* Consultant	YEAR CALLED TO BAR*	COMPLETED YEARS PRACTICING/YEARS OF RELEVANT EXPERIENCE* 30	HOURLY RATE 359
HST RATE CHARGED* 0.00	CV STATUS (FOR CONSULTANT/ANALYST) CV Attached	LAST CV DATE December 04, 2025	OVERRIDE HOURLY RATE Yes
HST NUMBER	HEARINGS Yes	CONSULTATIONS No	DISBURSEMENTS No

HEARINGS

Hearings Hours 13.50	Hearings Subtotal (\$) 4,846.50	Hearings Total Tax (\$) 0.00	Hearings Total (\$) 4,846.50
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<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
DISCOVERY						
Read and Research Application and Evidence	10.50	359	3,769.50	0.00		3,769.50
Preparation of Interrogatories	3.00	359	1,077.00	0.00		1,077.00
Review Interrogatory Responses		359		0.00		
Technical Conference Preparation		359		0.00		
Technical Conference Attendance		359		0.00		
Technical Conference Follow-up		359		0.00		
Subtotal of DISCOVERY	13.50		4,846.50		0.00	4,846.50
PROCEDURAL						
Preparation of Issues List Submission		359		0.00		
Attendance at Issues List Conference		359		0.00		
Preparation for a Confidentiality Request		359		0.00		
Prepare Submissions on Confidentiality		359		0.00		
Preparation of Motion(s) Materials		359		0.00		
Prepare Submissions on the Motion(s)		359		0.00		
Attendance at Hearing on Motion(s)		359		0.00		
Review Procedural Documents		359		0.00		

<u>Name</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Sub Total</u>	<u>HST Rate</u>	<u>HST</u>	<u>Total</u>
Subtotal of PROCEDURAL	0.00		0.00		0.00	0.00
INTERVENOR EVIDENCE						
Preparation of Intervenor Evidence		359		0.00		
Interrogatory Responses		359		0.00		
Preparation of Witness(es) for Attendance at Hearing		359		0.00		
Subtotal of INTERVENOR EVIDENCE	0.00		0.00		0.00	0.00
SETTLEMENT CONFERENCE						
Preparation for Settlement Conference		359		0.00		
Attendance at Settlement Conference		359		0.00		
Preparation of Settlement Proposal		359		0.00		
Attendance at Presentation to Panel		359		0.00		
Subtotal of SETTLEMENT CONFERENCE	0.00		0.00		0.00	0.00
WRITTEN ARGUMENT						
Written Submissions		359		0.00		
Subtotal of WRITTEN ARGUMENT	0.00		0.00		0.00	0.00
ORAL ARGUMENT						
Preparation for Oral Hearing		359		0.00		
Attendance at Oral Hearing		359		0.00		
Oral Submissions		359		0.00		
Attendance at Oral Submissions		359		0.00		
Subtotal of ORAL ARGUMENT	0.00		0.00		0.00	0.00
DECISION						
Review Decision		359		0.00		
Review Rate/Accounting Order		359		0.00		
Prepare Submission on Rate Order		359		0.00		
Subtotal of DECISION	0.00		0.00		0.00	0.00
OTHER						
Other Attendance (e.g., Intervenor Conferences)		359		0.00		
Subtotal of OTHER	0.00		0.00		0.00	0.00
TOTAL SERVICE PROVIDER FEES						
Total Service Provider Fees	13.50		4,846.50		0.00	4,846.50

Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Import Message</u>
GEC_TimeDocket(EFG)_20251204.pdf	Time Docket and Invoice	
GEC_CV_ChrisNeme.pdf	CV	

Hearings, Consultations, Disbursements Attachments

<u>Attachment</u>	<u>Document Type</u>	<u>Claim Type</u>	<u>Import Message</u>
GEC_TimeDocket(EFG)_20251204.pdf	Time Docket and Invoice	Hearings	
GEC_CV_ChrisNeme.pdf	CV	Hearings	

Energy Futures Group, Inc.

PO Box 587
Hinesburg, VT 05461
Phone: (802) 482-5001
Email: finance@energyfuturesgroup.com



Invoice

TO: Green Energy Coalition
Amanda Montgomery
Elson Advocacy
1062 College St, Lower Suite
Toronto, ON M6H 1A9
(647) 250-7338
amanda@elsonadvocacy.ca

Invoice #: 7183
Job Name: Enbridge Gas 2026-2030 DSM Plan
Project Manager: Chris Neme
Invoice Date: 12/2/2025
Invoice Period: 3/1/2025-3/31/2025
Terms: Net 30 Days
Reference:

Consultant Labor	Job-Phase-Project	Project Description	Rate	Hours	Amount
Chris Neme	1048-01-01	Review Application and Evidence	\$359.00	10.50	\$3,769.50
Chris Neme	1048-02-01	Preparation of Interrogatories	\$359.00	3.00	\$1,077.00
EFG Labor Subtotal:				13.50	\$4,846.50

TOTAL DUE THIS INVOICE: \$4,846.50 CAD

Energy Futures Group, Inc.

PO Box 587
Hinesburg, VT 05461
Phone: (802) 482-5001
Email: finance@energyfuturesgroup.com



Task Description

Invoice #: 7183
Job Name: Enbridge Gas 2026-2030 DSM Plan
Job Code: 1048
Invoice Period: 3/1/2025-3/31/2025
Consultant: Chris Neme

Date	Phase-Project	Project Description	Hours	Task Description
3/17/2025	01-01	Review Application and Evidence	2.50	Review Enbridge DSM plan
3/18/2025	01-01	Review Application and Evidence	5.50	Review Enbridge DSM plan
3/19/2025	01-01	Review Application and Evidence	2.50	Review Enbridge DSM plan
TOTAL:			10.50	
3/20/2025	02-01	Preparation of Interrogatories	3.00	Draft and send IRs to client
TOTAL:			3.00	

Professional Summary

Chris specializes in analysis of markets for energy efficiency, demand response, renewable energy and strategic electrification measures, as well as the design and evaluation of programs and policies – including climate policies – to promote them. During his 25+ years in the industry, he has worked for energy regulators, utilities, government agencies and advocacy organizations in 30+ states, 7 Canadian provinces and several European countries. He has filed expert witness testimony in 75 cases before regulatory commissions in 13 different jurisdictions; he has also testified before several state legislatures. Chris has authored numerous reports and papers on clean energy policies and programs, including the *National Standard Practice Manual for Benefit Cost Analysis of Distributed Energy Resources* (2020), *A Comparison of Clean Heat Standards: Current Progress and Key Elements*, and several reports on electric non-wires and gas non-pipe alternatives.

Experience

2010-present: Principal, Energy Futures Group, Hinesburg, VT

1999-2010: Director of Planning & Evaluation, Vermont Energy Investment Corp., Burlington, VT

1993-1999: Senior Analyst, Vermont Energy Investment Corp., Burlington, VT

1992-1993: Energy Consultant, Lawrence Berkeley National Laboratory, Gaborone, Botswana

1986-1991: Senior Policy Analyst, Center for Clean Air Policy, Washington, DC

Education

M.P.P., University of Michigan, 1986

B.A., Political Science, University of Michigan, 1985

Selected Projects

- **Natural Resources Defense Council (Illinois, Michigan and Ohio)**. Critically review energy efficiency, demand response, electrification, distribution system investment and integrated resource plans filed by IL, MI and OH utilities. Draft/defend regulatory testimony on critiques. Represent NRDC in regular stakeholder-utility engagement processes, including Future of Gas processes. Represent NRDC in collaborative development of non-wires solution pilots. Conduct analyses of the economics of electrification. Support development of Illinois and Michigan clean energy legislation. (2010 to present)
- **E4TheFuture**. Co-authored National Standard Practice Manual Benefit Cost-Analysis of Distributed Energy Resources (2020) and NSPM for efficiency (2017). Present the NSPM to audiences across the U.S. and Canada; helping several to assess how to use it to refine current practices. Trainer for first NSPM certification course at AESP's 2024 summer conference in Toronto. (2016-present)

Energy Futures Group, Inc

PO Box 587, Hinesburg, VT 05461 – USA | ☎ 802-482-2625 | @cneme@energyfuturesgroup.com

- **Ontario Energy Board.** Appointed to serve on provincial gas DSM Evaluation Advisory Committee, providing input on multi-year evaluation plans, scopes of work for evaluation studies and independent evaluator assessments of utilities' annual gas savings claims. Also serve on gas IRP committee, providing input on non-pipe alternatives, including cost-effectiveness analyses and selection of pilot projects. Previously also appointed to advisory committees on gas and electric efficiency potential studies and advisory committee on carbon price forecast studies. (2015-present)
- **Green Energy Coalition and Environmental Defence (Ontario).** Represent coalition of environmental groups in regulatory proceedings, utility negotiations and stakeholder meetings on DSM policies, utility proposed DSM Plans, integrated resource planning and rules governing non-pipe alternatives, and how concerns about decarbonization and the energy transition should affect Enbridge Gas' rebasing proposals. (1993 to present)
- **Environmental Defense Fund.** Provided technical support in reviewing and developed draft comments on draft proposals from the Massachusetts Department of Environment on different elements of the state's forthcoming Clean Heat Standard regulations. Co-authored white paper on Clean Heat Standards (CHS); comparing CHS approaches of Colorado, Vermont, Massachusetts and Maryland; and providing recommendations on key CHS design choices. (2023-2024)
- **Maryland Department of the Environment.** Developed and analyzed pathways for decarbonization of Maryland's residential and commercial buildings, provided as part of a Regulatory Assistance Project report on the design of a Clean Heat Standard for the state. (2023)
- **Vermont Agency of Natural Resources.** Supported EFG/Cadmus team in analysis of pathways for achieving the state's Global Warming Solutions Action emission reduction requirements, including marginal abatement cost curve development (2022). Supporting new assessment of emissions and cost tradeoffs between policy options for decarbonizing buildings and industry sectors (2023).
- **Connecticut Energy Efficiency Board.** Part of team providing on-going review and input on utility efficiency program planning and related policy issues. Lead role in providing input on New England Avoided Energy Supply Cost study and cost-effectiveness screening policy issues. (2019-present)
- **Energy Action Network (Vermont).** Co-authored a white paper on the concept of a "Clean Heat Standard" – a kind of renewable portfolio standard that would impose increasing obligations on Vermont Gas and wholesale suppliers of fuel oil and propane to reduce greenhouse gas emissions from burning of fossil fuels in homes and businesses, consistent with the state's Global Warming Solutions Act requirements (e.g., 40% reduction by 2030). Co-leading related voluntary working group of interested parties providing input on the design of the policy. Testified before Vermont House Energy and Technology Committee on Clean Heat Standard legislation. (2020-present)
- **Sierra Club (Massachusetts).** Supported Sierra Club's participation in a year-long "Future of Gas" process in which Massachusetts' gas utilities engaged with stakeholders to discuss and consider the future of their industry in the context of the state's decarbonization policy. Reviewed draft inputs to technical study of options for decarbonizing the gas industry and assisted in drafting regulatory comments on final study results as well as gas utility policy proposals. (2021-2022).

- **Environmental Law and Policy Center.** Filed expert witness testimony supporting AEP Ohio's initial proposal to run a portfolio of efficiency programs and in opposition to a proposed rate case settlement agreement to eliminate such programs. (2021)
- **Sierra Club (Maryland).** Provided strategic support on testimony on cost-effectiveness and other rules governing expansion of gas infrastructure to connect additional customers. (2021)
- **New Jersey Board of Public Utilities.** Served on management team responsible for statewide delivery of New Jersey Clean Energy Programs. Led strategic planning; support regulatory filings, cost-effectiveness analysis & evaluation work. (2015 to 2020). Served on management team for start-up of residential and renewables programs for predecessor project. (2006-2010)
- **Regulatory Assistance Project - U.S.** Provided guidance on efficiency policy and programs. Lead author on strategic reports on program options for decarbonizing Vermont buildings, achieving 30% electricity savings in 10 years, using efficiency to defer T&D system investments, & bidding efficiency into capacity markets. (2010 to 2020)
- **Energy Efficiency Alberta.** Assisted EEA in providing input to Alberta Utilities Commission on the role efficiency resources can play in reducing electric system costs. (2019 to 2020)
- **Consumers Association of Canada (Manitoba) and Winnipeg Harvest.** Critically reviewed and filed regulatory testimony on Efficiency Manitoba's first three-year plan (2020-2023), with particular emphasis on the extent to which the plan supported advanced heat pump technology as both an electric efficiency measure and a key to future building electrification. (2019-2020).
- **Citizens Action Coalition of Indiana.** Critically reviewed how energy efficiency resources were modeled in utility IRPs, as well as the design of energy efficiency program portfolios. (2018 to 2020)
- **Efficiency Vermont.** Provided technical support in review of avoided cost assumptions, as well as related policies on cost-effectiveness analyses of efficiency resources (2019).
- **Earth Justice and Southern Alliance for Clean Energy.** Helped critically review Florida utilities' efficiency potential studies and proposed 2020-2024 energy efficiency savings targets. (2019)
- **New Hampshire Office of the Consumer Advocate.** Drafted expert witness testimony on the merits of utilities adding a pilot non-wires solution project to their efficiency program plans. (2018)
- **Regulatory Assistance Project - Europe.** Provide on-going support on efficiency policies and programs in the United Kingdom, Germany, and other countries. Reviewed draft European Union policies on Energy Savings Obligations, EM&V protocols, and related issues. Drafted policy brief on efficiency feed-in-tariffs and roadmap for residential retrofits. (2009 to 2018)
- **Green Mountain Power (Vermont).** Supported development and implementation of GMP's first compliance plan for Vermont RPS Tier 3 requirement to reduce customers' direct consumption of fossil fuels, with significant emphasis on strategic electrification strategies. Also developed 10-year forecast of sales that could result from three different levels of policy/program promotion of residential electric space heating, electric water heating and electric vehicles. (2016 to 2018)
- **Alberta Energy Efficiency Alliance.** Drafted white paper how treatment of "efficiency as a resource" could be institutionalized in Alberta. The paper followed several presentations to government agencies and others on behalf of the Pembina Institute. (2017 to 2018)

Energy Futures Group, Inc

PO Box 587, Hinesburg, VT 05461 – USA | ☎ 802-482-2625 | @ cne@energyfuturesgroup.com

- **Southern Environmental Law Center.** Assessed reasonableness of Duke Energy’s historic efficiency program savings claims, as well as the design of their efficiency program portfolios for 2019. Filed expert witness testimony on findings in North Carolina dockets (2018).
- **Toronto Atmospheric Fund.** Helped draft an assessment of efficiency potential from retrofitting of cold climate heat pumps into electrically heated multi-family buildings (2017).
- **Northeast Energy Efficiency Partnerships.** Helped manage Regional EM&V forum project estimating savings for emerging technologies, including field study of cold climate heat pumps. Led assessment of best practices on use of efficiency to defer T&D investment. (2009 to 2015)
- **Ontario Power Authority.** Managed jurisdictional scans on leveraging building efficiency labeling/disclosure requirements and non-energy benefits in cost-effectiveness screening. Supported staff workshop on the role efficiency can play in deferring T&D investments. Presented on efficiency trends for Advisory Council on Energy Efficiency. (2012-2015)
- **Vermont Public Interest Research Group.** Conducted comparative analysis of the economic and environmental impacts of fuel-switching from oil/propane heating to either natural gas or efficient, cold climate electric heat pumps. Filed regulatory testimony on findings. (2014-2015)
- **New Hampshire Electric Co-op.** Led assessment of the co-op’s environmental and social responsibility programs’ promotion of whole building efficiency retrofits, cold climate heat pumps and renewable energy systems. Presented recommendations to the co-op Board. (2014)
- **National Association of Regulatory Utility Commissioners (NARUC).** Assessed alternatives to 1st year savings goals to eliminate disincentives to invest in longer-lived savings. (2013)
- **California Investor-Owned Utility.** Senior advisor on EFG project to analyze 10 leading U.S. utility portfolios to determine if there are differences in the cost of saved energy related to utility spending in specific non-incentive categories, including administration, marketing, and EM&V. (2013)
- **DC Department of the Environment (Washington DC).** Part of VEIC team administering the DC Sustainable Energy Utility (SEU). Helped characterize the DC efficiency market and supporting the design of efficiency programs that the SEU will be implementing. (2011 to 2012)
- **Ohio Sierra Club.** Filed and defended expert witness testimony on the implications of not fully bidding all efficiency resources into the PJM capacity market. (2012)
- **Regulatory Assistance Project – Global.** Assisted RAP in framing several global research reports. Co-authored the first report – an extensive “best practices guide” on government policies for achieving energy efficiency objectives, drawing on experience with a variety of policy mechanism employed around the world. (2011)
- **Tennessee Valley Authority.** Assisted CSG team providing input to TVA on the redesign of its residential efficiency program portfolio to meet aggressive new five-year savings goals. (2010)
- **New York State Energy Research and Development Authority (NYSERDA).** Led residential & renewables portions of several statewide efficiency potential studies. (2001 to 2010)
- **Ohio Public Utilities Commission.** Senior Advisor to a project to develop a web-based Technical Reference Manual (TRM). The TRM includes deemed savings assumptions, deemed calculated

savings algorithms and custom savings protocols. It was designed to serve as the basis for all electric and gas efficiency program savings claims in the state. (2009 to 2010)

- **Vermont Electric Power Company.** Led residential portion of efficiency potential study to assess alternatives to new transmission line. Testified before Public Service Board. (2001-2003)
- **Efficiency Vermont.** Served on Sr. Management team. Supported initial project start-up. Oversaw residential planning, input to regulators on evaluation, input to regional EM&V forum, development of M&V plan and other aspects of bidding efficiency into New England's Forward Capacity Market (FCM), and development and updating of nation's first TRM. (2000 to 2010)
- **Long Island Power Authority Clean Energy Plan.** Led team that designed the four major residential programs (three efficiency, one PV) incorporated into the plan in 1999. Oversaw extensive technical support to the implementation of those programs. This involved assistance with the development of goals and budgets, development of savings algorithms, cost-effectiveness screening, and on-going program design refinements. (1998 to 2009)

Selected Publications and Reports

- *A Comparison of Clean Heat Standards: Current Progress and Key Elements*, prepared for the Environmental Defense Fund, February 2024 (with Gabrielle Stebbins)
- *Maryland Building Decarbonization Pathways*, Final Report, September 1, 2023 (with Liz Bourguet)
- *Cost Savings and CO₂ Emission Reductions of Residential Electrification in Peoples Gas Territory*, prepared for the Natural Resources Defense Council, November 2022 (with David Hill & Liz Bourguet)
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