Nomination for Appointment to the
Natural Gas Demand Side Management Stakeholder Advisory Group (SAG) and Evaluation Advisory Committee (EAC)

Nomination forms must be submitted through the OEB's online filing portal by 4:45 pm on **January 9, 2023**. Please quote file number **EB-2022-0295** and include Josh Wasylyk at josh.wasylyk@oeb.ca on all electronic correspondence.

Nominee Contact Information	
Nominee Name:	Edward M. Weaver
Company Name:	Sunshine Bay Energy Consulting
Company Address:	508 Hoover Street Nelson, BC V1L 4W9
Position Title:	President
Department:	N/A
Email Address:	weaver_t@mindspring.com

Please provide responses to the items listed on the next page that relate to your nomination and the work of the natural gas demand side management stakeholder advisory group and evaluation advisory committee.

1. **Is this a self-nomination?** Yes.

   a. **If not, please indicate which individual(s) / organization(s) the nomination is made on behalf of.**

N/A

   b. **Please indicate if the nominee has confirmed an interest in participating on the Natural Gas Demand Side Management Stakeholder Advisory Group.**

N/A

   c. **Please indicate if you/the nominee are also interested in being considered for the Evaluation Advisory Committee.**

Yes

2. **Please provide a short description of the nominee's technical experience with natural gas and/or electricity energy efficiency and conservation programming (potential study development, program design, program delivery, etc.) and/or evaluation, measurement and verification work, both in Ontario and other jurisdictions and the recency of the experience.**

Mr. Weaver has over 40 years' experience developing, planning, implementing, and evaluating energy efficiency programs. He has helped utilities and energy service firms develop and manage over $7 billion of energy efficiency services. He has completed projects in over 40 states and provinces throughout North America and has provided expert testimony more than 20 times before utility commissions.

Mr. Weaver has been instrumental in helping Nicor Gas launch and manage its gas energy efficiency portfolio since 2010. In this engagement, he helped Nicor procure service contractors, specify information systems, and develop strategic planning, business planning, emerging technology, market transformation, evaluation, potential study, and continuous improvement functions. He helped Nicor specify new and revised service offerings, including weatherization, prescriptive rebates, custom rebates, midstream rebates, energy savings kits, new construction, strategic energy management, commercial food service, and other offerings. He also helped Nicor Gas secure regulatory approvals, working extensively with intervening parties, and represented Nicor Gas in the Illinois Stakeholder Advisory Group.

Mr. Weaver had similar long-term, comprehensive engagements to launch, deliver, and evaluate new portfolios for Xcel Energy (in the 1990s) and MidAmerican Energy

and its predecessor companies (in the 1990s and then a relaunch in the early 2000s). Mr. Weaver has also provided more targeted services to dozens of other utilities delivering energy efficiency services throughout North America.

Mr. Weaver has extensive experience developing energy efficiency potential studies. Early in his career, at Energy Systems Research Group (now the Tellus Institute), Mr. Weaver helped complete some of the first potential studies developed in the industry and contributed to potential studies for utilities in Maine, New Hampshire, Massachusetts, Connecticut, Ohio, Kansas, and New York. In his work at the Vermont Department of Public Service, Mr. Weaver developed the potential study that drove the energy efficiency strategy for the 1987 Vermont State Energy Plan. In his work for Nicor Gas, Mr. Weaver helped Nicor develop an internal potential study model and helped them use that model to complete two potential study projects. Mr. Weaver also led or contributed to potential studies completed for Lower Colorado River Authority, PSI Energy, Iowa Power, Iowa statewide utilities, APS Energy, Alberta Power, CPS Energy, Salt River Project, and Arkansas statewide utilities.

Mr. Weaver has led and participated in dozens of public engagement processes to create consensus around energy policies, portfolio budgets, and energy resource selections. He has been an active participant in the Illinois Energy Efficiency Stakeholder Advisory Group since 2010. He has been the lead or co-facilitator for stakeholder groups in Illinois (for ComEd, MidAmerican Energy, and for a statewide utility group), Colorado (for Xcel Energy), Iowa (for Iowa Power, IPS Electric, Midwest Energy, and MidAmerican Energy), Arizona (for Salt River Project), and Arkansas (for the Arkansas Public Service Commission).

Mr. Weaver has extensive experience evaluating energy efficiency programs. In his work for Nicor Gas, Mr. Weaver created and helps oversee Nicor's evaluation function. He held similar roles in his engagements with Xcel Energy and MidAmerican Energy. In his work with the Illinois Stakeholder Advisory Group, Mr. Weaver has been instrumental in establishing Illinois evaluation policies covering topics such as transparency and independence; net-to-gross protocols and application; technical reference manual development and application; behavioral program evaluations; and market transformation evaluations.

Mr. Weaver spent much of his professional career in Colorado, but relocated to British Columbia in 2021.

3. Please provide a short discussion of the nominee's knowledge of the Ontario energy landscape and policy context for Enbridge Gas's DSM activities (including relevant work experience in Ontario, participation in OEB proceedings, knowledge of Ontario energy market and policy, etc.). Please also provide any knowledge, understanding and expertise of energy conservation, energy efficiency and energy transition best practices and recent developments in other jurisdictions and describe the relevance to the DSM Stakeholder Advisory Group and/or Evaluation Advisory Committee.

Mr. Weaver provided expert evidence to the OEB in Case EB-2021-0002, Enbridge Application for Multi-Year Natural Gas Demand Side Management Plan (2022 to 2027). In his evidence, Mr. Weaver addressed the business models gas utilities use incentivize shareholders for financing and optimizing DSM portfolios, including the use of amortization and shareholder incentive mechanisms. Mr. Weaver provided benchmarks of business models used in other jurisdictions, and provided recommendations to the OEB for application to Enbridge's 2022-2027 Plan. In his evidence, Mr. Weaver also provided recommendations to the OEB for how to apply savings benchmarks from other utilities for use in setting Enbridge savings goals.

in his evidence, interrogatory responses, and cross examination, Mr. Weaver addressed a number of additional policy issues including the application of the Target Adjustment Mechanism, including application of net-to-gross evaluations and Technical Reference Manual updates; calculation and application of the DSMVA, including provisions to allow spending increases and shifts among programs under certain conditions; appropriate phase-in periods for increased portfolio budgets; appropriate discount rates for cost effectiveness and amortization analyses; appropriate tax treatment for amortized cost recovery; long term risks facing the natural gas distribution industry; innovation and market transformation programs; electrification; real-time metering in program evaluations; workforce training; equity; and a range of individual program designs ranging from low-income programs to large industrial programs.

Mr. Weaver has worked in over 40 jurisdictions throughout North America, covering a wide range of policy, planning, implementation, and evaluation issues for both electric and natural gas utilities.

In recent years, Mr. Weaver has been an active member of the Illinois Energy Efficiency Stakeholder Advisory Group (IL-SAG) as a consultant to Nicor Gas. The IL-SAG developed and updated the Illinois Energy Efficiency Policy Manual, which provides a comprehensive policy framework for Illinois, including policies around portfolio objectives; budget allocations and flexibility; evaluation; budget accounting; cost-effectiveness calculation and application; low-income program administration;

large customer exemptions and opt-out/opt-in allowances; innovation programs; adjustable savings goals (similar to the Target Adjustment Mechanism applied in Ontario); Technical Reference Manual administration; reporting; transparency; and governance of the IL-SAG itself.

Outside of the Policy Manual, the IL-SAG provides guidance to Illinois utilities on a wide range of program planning, implementation, and evaluation issues. IL-SAG subcommittees have addressed topics including evaluation planning and results; evaluation policies; evaluation protocols; behavior program evaluations; technical reference manual updates; net-to-gross policy application; adjustable saving goals; avoided costs development; cost effectiveness calculations; greenhouse gas emissions; electrification; combined heat and power; equity; workforce training; large customer exemptions and opt-out/opt-in protocols; and ongoing program delivery issues.

Regarding quadrennial program plans, the IL-SAG engages in a statewide effort to provide input on portfolio objectives, policies, program options, and priorities. These efforts then leads to individual utility-stakeholder negotiations that typically lead to stipulation agreements specifying the contents of plans filed, and subsequently approved, by the Illinois Commerce Commission.

Mr. Weaver also assisted Atmos Energy develop its recent DSM Strategic Initiatives filing in Colorado. In this filing, Atmos identified and made proposals around the key policy issues affecting its upcoming 2023 triennial plan filing, including issues around budgets, savings targets, cost recovery and amortization, shareholder incentives, cost effectiveness, electrification, greenhouse gas emissions, phase-in of budget increases, and interaction with Colorado's new Clean Heat Plan filings.

Regarding the energy transition, Mr. Weaver is an expert in a wide range of policy, planning, and execution issues. He has helped gas utilities in Illinois, Massachusetts, Colorado, Georgia, and Virginia understand key transition issues, including the roles for energy efficiency, methane leak reduction, and decarbonized gas supply; development of gas integrated resource plans; alternative business models; and the regulatory and accounting issues associated with declining gas sales.

Mr. Weaver was also the founding CEO of LongPath Technologies, which uses wide area laser networks to provide real-time methane monitoring to companies throughout the natural gas value chain.

4. Why do you believe that you/the nominee would be a valuable member of the DSM Stakeholder Advisory Group and/or the Evaluation Advisory Committee?

Mr. Weaver provides long, broad, and deep experience in sustainable energy markets. He has a proven ability to work collaboratively with utilities, government agencies, and other stakeholders to reach consensus on evidence-based approaches that improve energy efficiency portfolios.

5. If requesting cost eligibility, please explain how the nominee meets the eligibility criteria for an award of costs outlined in Section 3 of the Practice Direction on Cost Awards.

With his long history in energy efficiency and other sustainable energy issues throughout North America, Mr. Weaver will provide an informed and objective policy perspective that is relevant to the OEB's mandate, specifically with the OEB's need to address key policy issues, oversee a potential study, and develop appropriate budgets and goals for the next Enbridge plan filing. Mr. Weaver will also provide informed and objective perspective relevant to the OEB's need to oversee evaluation approaches and results during the 2023-2025 plan cycle.

Mr. Weaver has shown a long history of working effectively in stakeholder groups, including his ability to (consistent with Section 5.01 of the OEB Practice and Direction on Cost Awards):

(a) participate responsibly in the process;
(b) contribute to a better understanding by the Board of one or more of the issues in the process;
(c) comply with the Board's orders, rules, codes, guidelines, filing requirements and section 3.03.1 of this Practice Direction;
(d) make reasonable efforts to co-operate with all other parties;
(e) make reasonable efforts to ensure that its participation in the process is not unduly repetitive and is focused on relevant and material issues;
(f) avoid conduct that tends to lengthen the process unnecessarily; and
(g) avoid inappropriate or irresponsible conduct.

Mr. Weaver brings over 40 years of experience as an expert in energy efficiency and sustainable energy, making him eligible for the Analyst/Consulting Fees of $330/hour as outlined in Appendix A to the OEB Practice and Direction on Cost Awards.

Please see Mr. Weaver's attached resume for additional information on his experience and expertise.