



2013 Annual Report

A summary of the activities and accomplishments of the
Community Energy Association
January - December 2013

Connecting communities, energy and sustainability



Community Energy Association (CEA) thanks
Chair Darrell Mussatto and Vice-chair Victoria Smith.



Mission

The Community Energy Association is a charitable organization whose mission is to support local governments and First Nations who want to take action on energy.

We have been serving the needs of local governments for close to twenty years.

CEA is the trusted independent advisor to local governments, helping them close the implementation gap through research, outreach and projects.

Our research includes community energy planning tools and guides.

CEA's outreach includes providing a forum for dialogue and education on sustainable energy issues and builds capacity of communities, municipalities, and First Nations on energy sustainability. We also encourage active engagement of communities in energy sustainability by recognizing leadership in community energy awareness and by building public awareness on community energy sustainability through educational activities. We also provide referral services to resources for sustainable solutions.

CEA's projects include planning, implementation, and technology acceleration.

Message from the Chair and Vice Chair of CEA

Going Deeper

As chair and vice chair of the Community Energy Association (CEA), we are honored and excited to work with the CEA Board of Directors to provide leadership as local governments increasingly move into deeper engagement in climate action. Local governments are embracing the difficult work of implementation of energy plans, collaboration with developers and utilities, and integration of urban form, energy, health, and economics. CEA is, as we have been since 1995, here to support local governments as they move forward.

The City of Surrey became CEA's newest member in 2013. CEA welcomes Surrey and recognizes the important contributions Surrey is making to advancing both planning and implementation in BC.

Deep Research

In 2013 CEA continued to deliver a remarkable breadth and depth of research. Small scale biomass district heating and electric vehicle charging best practices were covered in detailed, actionable 'how-to' guides. Community energy and emissions plan implementation was the topic of a short research summary report that CEA completed in the spring. CEA authored a progress report on the implementation of integrated community energy solutions across all of BC. This research uncovered 30 district heating systems, 80+ community energy and emissions plans, and vibrant momentum in every corner of the province.

Transitioning

In 2013, CEA delivered the "Energy Diet" approach in 30 BC communities in partnership with FortisBC and BC Hydro. CEA is planning the wind down of two of its core multi-year projects. The BC Hydro CEEP-Quickstart program and Carbon Neutral Kootenays program will be winding down in 2014. This is consistent with the shift from developing plans to assisting with on-the-ground implementation. CEA is planning to start the "Getting to Implementation" 3-year national program teamed with QUEST Canada. CEA is also working with Alberta on biomass and is looking forward to an energy plan in the Yukon.

Financial Performance

CEA ended 2013 in a positive financial position with a modest surplus going into a strategic initiatives account. CEA is cautiously optimistic that 2014 will mark a successful transition year and the shift from one set of core projects to another focused more on implementation.

We would like to express our sincere appreciation to our talented and dedicated staff. They have done an outstanding job representing the organization, and we thank them for their passion and professionalism.

On behalf of Community Energy Association

CEA Chair

Darrell Mussatto
Community Energy Association Co-chair and
Mayor, City of North Vancouver

CEA Vice-Chair

Victoria Smith,
Community Energy Association Co-chair

Report on 2013 Activities

Outreach and Recognition

2013 Climate & Energy Action Awards

The 2013 Climate & Energy Action awards were presented on September 18 at UBCM's 2013 convention in Vancouver.

This year's 12 applicants have shown strong leadership in energy planning, energy efficiency and the use of renewable energy. This year's applicants have created innovative energy plans, made a significant impact with limited resources, supported long term capacity building, developed illustrated guides, practiced adaptive learning, worked with developers to support district energy, recovered waste heat and reduced corporate emissions.

North Cowichan won in the **Community Planning and Development** category for the Climate Action and Energy Plan and their commitment to funding the Climate Action Reserve Fund with a 0.5% increase in property taxes. **Surrey** won in the **Corporate Operations** category. City of Surrey's city-owned district energy utility will deliver thermal energy to City Hall and the library, reducing energy consumption by 60% and GHG emissions by 1,200 tonnes/year. **Campbell River** won the **Public Sector Collaboration** award for their partnership with School District 72. The City and SD72 collaborated on solar hot water and electric vehicle charging station installations, wind energy assessments and energy efficiency measures, reducing total GHG emissions by 12% and 19% respectively, while reducing operating costs.

Honourable Mentions were awarded to:

- City of Colwood for its commitment to implementing the Solar Colwood program
- Capital Regional District, Camosun College, University of Victoria, Royal Roads University and BC Hydro Power Smart for Ready, Set, Solve: The Student Climate Challenge
- Village of Telkwa for the greening of the Hankin Corner Building

The awards were co-sponsored by Community Energy Association, Union of BC Municipalities, BC Hydro, FortisBC, B.C. Ministry of Environment – Climate Action Secretariat and Ministry of Community, Sport and Cultural Development.

Many thanks to Patricia Bell who coordinated the awards and to the judging panel: Mark Allison, Sr. Planner, Development Services, City of New Westminster; Jessica Brooks, Manager Intergovernmental Initiatives Ministry of Community, Sport and Cultural Development; Devin Causley, Manger Climate Change Programs, FCM; Siraz Dalmir, Community Energy Solutions Manager, FortisBC; Ben Finkelstein, Manager Green Communities, Carbon Neutral Government and Outreach, Ministry of Environment; Vladmir Kostka, Key Account Manager FortisBC; Ted Sheldon, Sr. Climate Change Planning Analyst, Climate Policy, Ministry of Environment. Todd Thomson, Supervisor Environmental Service, BC Transit; Lyle Walker, Sr. Planner, TransLink.



Left to Right: Mayor Darrell Mussatto, City of North Vancouver & CEA Chair; Councillor Bruce Hayne, City of Surrey; Councillor Rimas Zitkauskas, Village of Telkwa; Jim Nicholson Director Customer Care, BC Hydro; Michele Babchuk Chair, School District 72; Councillor Larry Samson, City of Campbell River; Nils Jensen, Chair Capital Regional District Environmental Sustainability Committee; Mayor Carol Hamilton & Councillor Judith Cullington, City of Colwood; Councillor Ruth Hartmann & Peter Nilsen Assistant Municipal Engineer, District of North Cowichan; Nancy Wilkin, Sustainability Manager, Royal Roads University; Mayor Jon Lefebure & Councillor Kate Marsh, District of North Cowichan; Honourable Steve Thomson, Minister of Forests, Lands and Natural Resource Operations; Dave Devana CAO, District of North Cowichan.

BC Mayors' Climate Leadership Council

The BC Mayors Climate Leadership Council extended its membership to Mayor Dean Fortin of Victoria and Councillors Cullington and Schumann from Colwood and Dawson Creek respectively. The BCMCLC met with several MLA's at its annual UBCM breakfast including 3 former mayors – MLA's Mike Bernier, Peter Fassbender, and Jordan Sturdy. Three NDP MLA's were there as well as Andrew Weaver representing the Green Party. Planning is underway for the coming year of BCMCLC activities.

QUEST-BC (Quality Urban Energy Systems for Tomorrow)

CEA continues to be an active participant in QUEST-BC, including monthly teleconference calls.

Over 2013 CEA worked to set up a new project with QUEST, called Getting to Implementation. There is more regarding this project in the following section: "Planning for the Future".

Presentations

- Geoexchange BC: Patricia made a presentation on funding mechanisms for district energy infrastructure.
- Infuse: Patricia presented at the Canadian Institute of Planners Annual Conference. CEA Partnered with QUEST Canada, FCM and others to deliver a workshop on Integrated Community Energy Planning and Implementation.
- UBCM 2013: CEA participated in the Building and Maintaining Sustainable Communities session, presented the 2013 Climate & Energy Action Awards, hosted a Mayors' Climate Leadership Council breakfast meeting and facilitated a session for CEEP QuickStart alumni. CEA also had a booth at the trade show.
- Award presentations to North Cowichan, Surrey, Campbell River, Colwood, Telkwa and Capital Regional District
- SFU Sustainable Community Development: Patricia presented material on community energy planning for the Foundation course.
- CEA participated in the Building Sustainable Communities conference held in November. CEA hosted a session called "Accelerating Climate Action Through Green Energy" that included presentations by the Pacific Institute for Climate Solutions, Dale Littlejohn, UBC's Collaborative for Advanced Landscape Planning, the Southern Interior Beetle Action Coalition, Wood Waste 2 Rural Heat, Urban Systems, and Megan Lohmann. In another session of the conference Dale Littlejohn and Peter Robinson helped to facilitate discussion tables with Ben Finkelstein and Ted Sheldon respectively. Peter Robinson also presented as part of a session hosted by FCM and ICLEI on FCM's Partners for Climate Protection milestone process.
- Aboriginal Business Services Network Society's 2013 Strategic Conversations Conference for Aboriginal Economic Development Networking: Patricia presented material from the SIBAC guide on investment and governance for green energy projects on Dec 5.
- QUEST2013: Dale Littlejohn presented in a panel on implementing community energy plans as well as a concurrent session representing BC on a cross-Canada checkup for QUEST. Dale also participated in the first Caucus Chairs in person meeting as well as the National Advisory Committee meeting.
- Darrell Mussatto and Patricia Bell made a presentation to UBCM's Environment Committee in July, outlining CEA's achievements and plans for the future.
- Dale and Patricia participated in Climate Action Secretariat's Carbon Neutral Government Planning Summit in June and Carbon Neutral Symposium in September.
- Media: In March 2013 Peter Robinson conducted a radio interview with a radio station in Powell River, asking questions about the new Corporate and Community Energy and Emissions Plans. Dale was quoted in articles in the Vancouver Sun and several community based papers as well as being interviewed by three radio stations regarding the "Fire in the Woods or Fire in the Boiler" white paper authored by UBC in collaboration with CEA and Wood Waste 2 Rural Heat.
- CEEM: CEA is an active participant in the Community Energy and Emissions Modeling working group organized by the Province of BC.
- CEA also engaged with media more in 2013 including interviews in the Vancouver Sun and multiple radio interviews for the FIRSTHeat work and significant media activity in the East Kootenays to promote the Kootenay Energy Diet. Peter also submitted an article for the January 2014 edition of Municipal World magazine.

Research and Publications

UBCM Newsletter

In 2013 CEA provided an overview of the Climate & Energy Action Awards submissions.

Municipal World Magazine

CEA's most recent article for Municipal World, entitled *Biomass District Heating – an economic development and climate change solution for Canadian communities* was submitted in 2013 and published in the January 2014 edition.

QUEST BC Integrated Community Energy Solutions (ICES) Progress Report

CEA completed the first ever progress report for a province on integrated community energy systems. As part of this work, the most comprehensive database of all local government climate and energy activity was developed including an inventory of the 30 DE systems in BC, which grant programs have provided what funding for climate and energy, synthesis of 2010 and 2011 CARIP reports, EV charging station details, and specifics on which local governments have targets, which have plans, and what is happening. Bottom line: There is still huge momentum at the local government level on climate action.

Further to this CEA participated in the CBT Energy Advisory Committee and attended a 2-day workshop in Kimberley to review the preliminary report developed by CEA. On-going Steering Committee conference calls are continuing to refine the direction of energy initiatives in the Basin.

Planning for Electric Vehicle Charging Infrastructure

CEA completed a guide and model slide deck for BC Hydro outlining best practices in planning for EV charging infrastructure. The guide includes four case studies. The Cities of Campbell River and Rossland, Fairmont Hotels and Kicking Horse Coffee were interviewed for YouTube videos. Links to project outcomes are on CEA's webpage.

Small-Scale Biomass District Heating Guide and Handbook

In 6 short weeks in February and March 2013 CEA delivered a Guide on small-scale biomass district heating for BC communities, funded by Natural Resources Canada and the Province of BC. The Guide is intended to help communities with implementing biomass district heating, it covers the benefits, provides a step-by-step implementation guide, and provides a brief overview of the many project components involved. CEA finished 2013 working on a companion Handbook, expected to be complete in early 2014. The Handbook will delve into the project components to a small-scale biomass district heating system in much greater detail. Biomass district heating systems are complicated, particularly on fuel supply issues. Funding for the Handbook was provided by the Province of Alberta and the Wood Pellet Association of Canada, with in-kind contributions from FP Innovations and Wood Waste 2 Rural Heat. The Handbook is aimed at communities in Alberta as well as BC.

Southern Interior Beetle Action Coalition – Green Energy Projects Governance

As qualified contractors for the Southern Interior Beetle Action Coalition and part of the Green Energy as a Rural Development Tool project, CEA prepared a comprehensive guide that analyses the different financing and governance models for green energy projects and utilities in BC. Educational opportunities arising from information contained in the SIBAC Green Energy Utilities and Projects Investment and Governance Guide will be pursued in 2014.

Energy in the Columbia Basin Report

CEA has drafted a report for Columbia Basin Trust to support discussions on the future of energy (utilization, conservation, generation and heat, electricity, mobility) in the basin (roughly Valemount to Rossland). Implementation opportunities may arise from their consideration of the report, which CEA may be able to help facilitate. CEA is currently participating on the Steering Committee which is comprised of experts in the energy and community sustainability field from across the country.

CEEP Research Summary

CEA summarized, synthesized, and published results of an in-depth review of 30 CEEPs across Canada which was completed with a view to identifying correlations with implementation success.

Collaborative Initiatives

Community Fire Interface Biomass Utilization for Heating Fuel

This project is a collaborative effort between UBC's Collaborative for Advanced Landscape Planning, the Green Heat Initiative, and CEA. The partnership brings together sophisticated forest ecosystem modeling and research with expert knowledge on alternative energy technologies and effective outreach to help bridge the gap between alternative energy planning and implementation for small communities that may not have the capacity to conduct such feasibility studies themselves. Communities reducing their fire risk in the interface zone will have available biomass, which can be used for energy projects within the communities. Figures for biomass availability, energy and economic analysis have been developed, and a comprehensive modelling tool was developed. PICS made a press release on the project in August 2013, which led to a flurry of media enquiries for CEA.

The first phase of the project was funded by the Pacific Institute for Climate Solutions (PICS), and over 2013 the collaboration has been looking at other funding opportunities to continue implementation.

Projects

Carbon Neutral Kootenays Project Phases 4 & 5 (31 local governments)

2013 saw the end of the 4th and beginning of the 5th year of implementation of this project.

Local governments in the Columbia Basin continued to benefit from the collaborative opportunities developed as part of the Carbon Neutral Kootenay program. The final round of the joint procurement offer for the completion of municipal building assessments was completed. This particular initiative resulted in the completion of over 50 municipal building assessments. The CNK team then followed up with the local governments to help them move forward with energy saving retrofits. Carbon Neutral Kootenays also continued to identify and implement opportunities for local governments to invest in local community reduction projects. As per the Province's Green Community Committee Option 1b project profiles for Carbon Neutral Local Governments, the CNK is facilitating the measuring and reporting of reductions associated with local home energy retrofit projects, and organic waste diversion activities.



The project will wrap up mid-2014 marking the end of a progressive initiative that has been recognized for the unique multi-regional district collaboration. The project is highlighted by the following key successes:

- Support for **every** local government, including at least one face-to-face workshop or presentation
- Facilitation of 3 major joint procurement opportunities, including energy assessments for waste water treatment plants, recreation facilities and general municipal buildings
- Facilitation of local reduction project quantification and reporting, and training for development of new local reduction projects
- Mentoring, coaching and technical assistance to every local government regarding measuring, reporting and tracking emissions

BC Hydro - Community Energy & Emissions Planning (CEEP) QuickStart

In 2013 CEA delivered Community Energy and Emissions Planning QuickStarts, on behalf of BC Hydro, to Terrace, Cranbrook, Gibsons, Kimberley, Vernon, Radium Hot Springs, Coldstream, Courtenay, Sooke, and Houston. The communities of Nakusp and Silverton were booked in for early 2014. Over 2013 CEA also proactively reached out to over 30 communities to help them with implementing a number of actions. Including pilots, CEA delivered the 35 Community Energy and Emissions Plans through this program by the end of 2013, engaging an estimated 61 elected officials and 163 staff.



2013 was also the first year of the CEEP QuickStart Community of Practice, a peer to peer learning group consisting of CEEP QuickStart alumni. Two face-to-face workshops were held in 2013, one at the UBCM conference, and one as a side-event to the Kelowna Building Sustainable Communities conference in November which was also broadcast online and over the phone.

Energy Diets

In 2013 CEA helped others go on an “Energy Diet”. Energy Diets are an extremely effective type of home energy efficiency retrofit campaign, pioneered by FortisBC Electricity in Rossland. At CEA’s strategy summit on September 13, 2012, attendees decided that a key future direction for CEA could be on deep community engagement on energy and emissions to help the public begin to enact deep energy retrofits. In response to this direction, in 2013 CEA staff were involved in 3 Energy Diets:

- Kootenay Energy Diet – Trish Dehnel was seconded to FortisBC Electricity for a year to coordinate the Kootenay Energy Diet. The Kootenay Energy Diet ran from January to December 2013. At the end of the project, 795 FortisBC customers had registered for the program. Dale Littlejohn and Megan Lohmann also sat on the steering committee for the project.
- East Kootenay Energy Diet – CEA designed, managed, and coordinated the East Kootenay Energy Diet as part of the Regional District of East Kootenay Community Energy Manager program, co-funded by BC Hydro, Columbia Basin Trust, and the Regional District of the East Kootenay. Megan Lohmann led the project with support from Dale Littlejohn. Over 230 homes signed up. The budget and manpower behind this Energy Diet was very small compared to the Kootenay and Okanagan Energy Diets.
- Okanagan Energy Diet – CEA bid for and won an RFP released by FortisBC Electricity to act as the local government liaison, and deliver presentations to local governments and community groups for the Okanagan Energy Diet. The project began in June 2013, and CEA’s work was completed by mid-November, plus some additional work CEA conducted using existing BC Hydro funding. By the end of the project 864 homes had registered for the from FortisBC Electricity communities, plus 107 in surrounding BC Hydro communities.

With these Energy Diets CEA staff helped 30 communities with deep community engagement on energy and emissions, leading to approximately 2,000 homes getting energy audits, and moving towards deep energy retrofits.

Regional District of East Kootenay Community Energy Manager

In 2013 CEA became the organization facilitating the position of Regional District of East Kootenay Community Energy Manager. Megan Lohmann, located in Fernie BC, is able to manage the on-ground engagement and communications with the seven Local Governments and 1 Regional District included in the initiative, with policy support from Patricia Bell. The Energy Manager position is jointly funded between the Regional District of East Kootenay, BC Hydro and Columbia Basin Trust. Through this position, CEA has been delivering the East Kootenay Energy Diet, with the additional support of FortisBC.

In addition to the Energy Diet, CEA also started delivering on three other specific policy measures as part of the year-long work plan, which will continue well into 2014. These are:

1. Research and policy template design for improving enforcement of the energy efficiency components of the BC Building Code for Part 3 and Part 9 buildings. Identifying and designing a policy to support enforcement of energy efficiency through the building code.
2. Development Permit Area guidelines for energy efficiency and greenhouse gas emission reduction. Policy template and design.
3. Building labelling and disclosure research project. Identifying possible policy mechanisms to require disclosure of energy performance in commercial buildings. Policy template and design.

This collaborative Energy Manager approach for the East Kootenay is the first time a Regional District has facilitated an Energy Manager position on behalf of all member local governments and rural areas.

District-Energy Ready

This project, funded by a BC Real Estate Foundation/ Green Building Grant and FortisBC, was developed to assist local governments explore how traditional planning policy tools can be used to encourage or require new buildings to be district energy ready in areas where a district energy system is planned. In 2012 CEA completed reports for Kelowna, District of North Vancouver, City of Fort St. John and Township of Langley, and in 2013 a project with the District of Peachland was completed. In addition, a webinar on the subject was held in April 2013 which had 49 attendees - 18 from local governments across BC, 4 provincial government representatives, 5 utility representatives, plus attendees from the Urban Development Institute, universities, private consulting firms, the BC Utilities Commission and non-profits. The webinar received excellent reviews.

St Mary’s Band Solar Photovoltaic Pre-feasibility Study

From December 2012 to February 2013 CEA completed a solar photovoltaic pre-feasibility study for St Mary’s Band (near Cranbrook). The Band are interested in pursuing both small and large-scale solar photovoltaic systems on their land. CEA created a report, and a spreadsheet business calculator that the Band can use to calculate the business case and benefits of installing any size of solar photovoltaic system. Precipitous price decreases for solar photovoltaic systems in recent years are opening up new markets around the world for the technology. Business cases are still long in BC, but organisations that own land and have a long-term outlook may be able to reap benefits now or in the relatively near future.

Powell River Corporate Carbon Neutral Action Plan

CEA completed a Corporate Carbon Neutral Inventory and Action Plan workshop on behalf of the City of Powell River in December 2012, and the Plan was finalised in February 2013. Powell River also completed its Community Energy & Emissions Plan through the CEEP QuickStart program in December 2012. With CEA's assistance, the City of Powell River then achieved milestone 3 in the community and corporate categories of the Federation of Canadian Municipalities' Partners for Climate Protection framework.

Peachland Facilitation Support

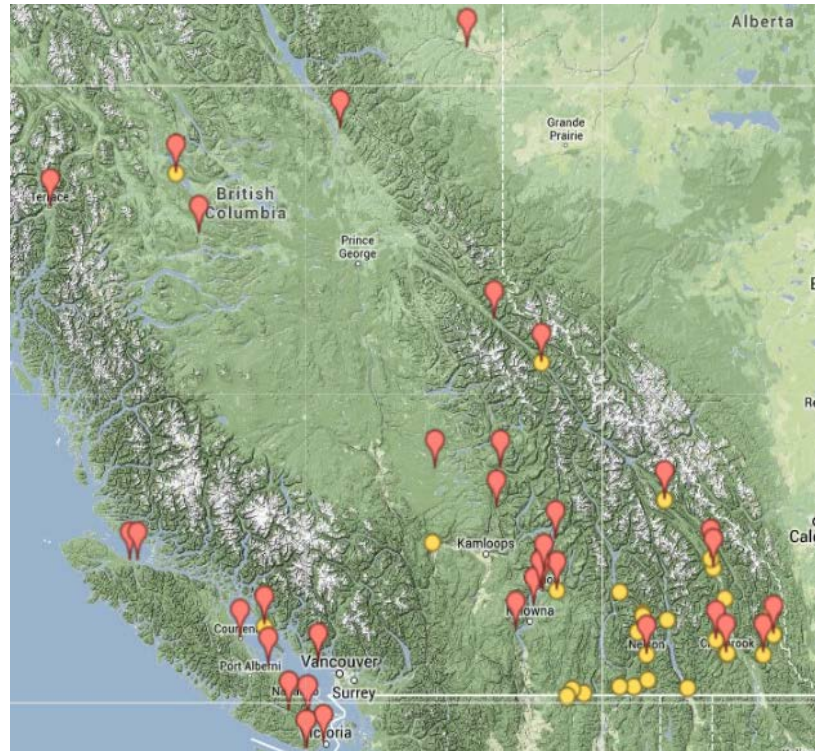
In February 2013 CEA delivered a small contract for the District of Peachland to facilitate a public climate action session. CEA facilitated the session, prepared ideas, and made suggestions on how the community could move forward with climate action. The District is proceeding with several of these.

Inside CEA

CEA has continued to be steady and busy conducting research, delivering plans, and collaborating on implementation for climate action with local governments. This is an accomplishment in itself given the changing landscape and the exiting of both large engineering firms that were active in the energy planning space, shifting Provincial focus, and other organizations undergoing strategic reviews of their activity in this space. Thank you to CEA's staff, board, members, funders, and clients for helping us continue to deliver on supporting local government climate and energy action.

A notable representation of CEA's success is in the map to the right, which demonstrates how CEA may have delivered more Community and Corporate Energy & Emissions Plans than any other organisation in BC. By the end of 2013 CEA had delivered 35 Community Energy & Emissions Plans, and 28 Corporate Energy & Emissions Plans.

On September 13, 2012, CEA held a Strategy Summit in which it was directed towards working on deep community engagement on energy and emissions, and community based social marketing. Since the summit it has worked on these through the Energy Diets, implementation support through the CEEP QuickStart program, and other initiatives. CEA is continuing to work in these directions, in particular by helping communities with implementing actions.



Red – Community Energy & Emissions Plans
Yellow – Corporate Energy & Emissions Plans

CEA Staff

Over 2013 CEA staff person Trish Dehnel was seconded to FortisBC Electricity for almost a year to coordinate the Kootenay Energy Diet, and due to return at the very beginning of 2014. CEA saw no other changes at the staff level.



Dale Littlejohn
Executive Director



Patricia Bell
Sr. Community
Energy Planner



Peter Robinson
Community Energy
Planner



Trish Dehnel
Community Energy
Planner



Megan Lohmann
Sr. Community
Energy Planner

Financial Statements

for year ended December 31, 2013

Statement of Operations and Changes in Equity for the period ended December 31st 2013

Revenue	
Membership Revenue	\$ 46,200
Charitable Projects	127,587
Provincial and Municipal	78,448
Federal Government	-
Workshops, presentations and non-government	257,474
Interest and miscellaneous	2,998
	<u>512,707</u>
Expenses	
Direct project costs	266,653
Organizational expenses	240
Personnel	176,649
General and administrative	37,382
Direct program expenses	15,431
	<u>496,355</u>
Income (Deficit)	16,352
Association Equity beginning of year	127,406
Association Equity end of period	<u>\$ 143,758</u>

Statement of Financial Position for the period ended December 31st 2013

ASSETS	
Current Assets	
Cash	\$ 153,493
Accounts Receivable	62,315
GST Receivable	5,691
Prepaid Expenses	4,427
Rent Deposit	-
Work In Progress	69,318
Total Current Assets	<u>295,245</u>
TOTAL ASSETS	<u>295,245</u>
LIABILITIES AND ASSOCIATION EQUITY	
Current Liabilities	
Accounts Payable	\$ 28,066
Vacation & Payroll Payable	5,689
Due to Receiver General	-
Deferred Revenue	2,652
Deferred Contribution	15,080
Total Current Liabilities	<u>51,487</u>
Special Purpose Fund	
Reserve Fund	100,000
Total Special Purpose Fund	<u>100,000</u>
ASSOCIATION EQUITY	<u>143,758</u>
TOTAL LIABILITIES AND EQUITY	<u>295,245</u>

Statement of Operations and Changes in Equity for the period ended December 31st 2013

Cash Flows from (used in) Operating Activities	
Net Income (Loss)	\$ 16,352
Adjustments to reconcile net income to net cash provided by (used in) operating activities:	
Increase (Decrease) of Deferred Revenue	65,929
Increase (Decrease) of Deferred Contributions	15,080
Decrease (Increase) in Operating Assets:	
Accounts Receivable	- 5,484
Work in Progress	- 69,318
Prepaid Expenses	844
GST Receivable	3,596
PST Receivable	628
Increase (Decrease) in Operating Liabilities:	
Accounts Payable & Accrued Liabilities	- 23,915
Net Cash provided by (used in) Operating Activities	<u>- 12,640</u>
Increase (Decrease) in Cash and Cash Equivalents	3,712
Cash and Cash Equivalents at beginning of year	<u>149,782</u>
Cash and Cash Equivalents at end of period	<u>\$ 153,493</u>

CEA Board and Members

Board of Directors CEA's Board of directors is co-led by chair **Darrell Mussatto**, Mayor, City of North Vancouver and Vice-Chair **Victoria Smith**, Director, Communications and Community Engagement, UBC Sustainability Initiative.

Members of the board are:

- **Darrell Mussatto**, Mayor, City of North Vancouver
- **Victoria Smith**, Director, Communications and Community Engagement, UBC Sustainability Initiative.
- **Susan Haid**, District of North Vancouver
- **Caroline Jackson**, City of North Vancouver
- **Marie Crawford**, Associate Executive Director Union of BC Municipalities (UBCM)
- **Kristen Mucha**, Manager, Business Development & Customer Relations, Fortis BC
- **Mark Allison**, MCIP, Sr. Planner, City of New Westminster, CEA Secretary-Treasurer
- **Stephen Brydon**, Manager Climate Action, BC Transit

CEA Members

Additionally, CEA has 8 non-director members including:

- **City of Dawson Creek**, Jim Chute, Chief Administrative Officer
- **City of Surrey**, Jeff Arason, Manager, Utilities
- **City of Prince George**, Kristina Watt
- **Village of Burns Lake**, Tim Palmer, Chief Administrative Officer
- **City of Castlegar**, John Malcolm, Chief Administrative Officer
- **City of Vancouver**, Malcolm Shields
- **Corix Utilities**, Stacey Bernier, Technical Director, Sustainable Energy
- **Geoff Cross**, Sr. Manager Policy, TransLink (South Coast BC Transportation Authority)

Community Energy Association | Members

