



2010 Annual Report

**A summary of activities and accomplishments
of the Community Energy Association
January to December 2010**

The 'first step' for local government leaders addressing
energy sustainability and climate change



Message from the Co-Chairs



Mission, Members, and Management

Community Energy Association's (CEA) *Mission* is vitally important in 2010. This year local governments met the Provincial deadline to set

community GHG reduction targets and many started planning for their 2012 carbon neutral commitment in their own operations. The link between clean energy and the green economy emerged as a focus in 2010.

In 2010, where there was a need in communities big or small, together or individually, community-wide or government operations, staff or elected official, CEA was there to assist as the trusted independent advisor to local governments on climate and energy.

Collaboration was key in 2010 in delivering on CEA's mission. Our Accelerate to Zero program, funded in part by Eco-Action grant from the Government of Canada, catalyzed collaboration on transportation in the Capital Region, on buildings across the lower mainland, and on electric vehicles in Metro Vancouver. CEA continued to work with 35 local governments and first nations in the Kootenays on carbon neutral commitments. CEA also supported 32 Solar Communities as part of a contract with SolarBC. For local governments that want to realize the economic development benefits of climate action, CEA developed Clean Energy for a Green Economy in partnership with the RuralBC Secretariat.

CEA extended its support to locally elected officials with the launch of the BC Mayors' Climate Leadership Council, via a workshop at the 2010 UBCM Convention. This workshop, attended by 110 participants, inspired participants with stories from municipal climate leaders and engaged them on how to move forward. Each of the participating mayors agreed to mentor up to three elected officials over the next year.

Membership is what enables CEA to be there to help local governments. 2010 was a record year with 9 new members joining the CEA family. CEA welcomes the following new representatives:

- Mayor Mike Bernier, City of Dawson Creek
- Devin Causley, Federation of Canadian Municipalities
- Charles Champagne, Johnson Controls

- John Malcolm, City of Castlegar
- Sean Pander, City of Vancouver
- Jeff Ragsdale, Village of Burns Lake
- Mayor Dan Rogers, City of Prince George
- Mark Watt, City of Kelowna
- Amber Zernhelt, City of Campbell River

2010 New Members



Management works on behalf of members to deliver CEA's mission. In November 2010, Executive Director Norm Connolly resigned to embark upon a 6 month round-the-world trip. While we were all sad to see him go, we couldn't help but wish we were in his shoes! We were pleased to welcome Dale Littlejohn, as the new Executive Director of CEA. One of Dale's first tasks was to hire someone to fill the capacity gap left by Norm's departure.

In December, after a comprehensive selection process, Alex Adams, formerly of BC Hydro and Willis Energy, agreed to join the CEA team as a Community Energy Planner, starting January 2011.

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.

Dan Rogers, *Community Energy Association Co-chair and Mayor, City of Prince George*

Richard White, *Community Energy Association Co-chair and Director, Community Development, City of North Vancouver*

Report on 2010 Activities

Celebrating Success...

2010 Climate & Energy Action Awards The Honourable John Yap, Secretariat of State for Climate Action presented the winners of the 2010 Energy & Climate Action Awards with their awards on September 29th 2010, at the UBCM Convention in Whistler. This year there were 20 applications, the highest number of applications received to date.

The City of Prince George won the award in the Community Planning and Development category for implementation of its Greenhouse Gas Management Plan, including development of a downtown district energy system, and its community energy mapping project for residential buildings. The District of Maple Ridge won the Corporate Operations award for energy efficient upgrades to the Maple Ridge Leisure Centre and an innovative approach to reducing energy use from information services.

Honourable mentions were awarded to the City of Campbell River, the District of Tofino, and the City of North Vancouver.

The awards were co-sponsored by the Province, UBCM, BC Hydro and CEA.

Many thanks to Patricia Bell who coordinated the awards and to the judging panel: Donna McGeachie—BC Hydro, Tara Tompkins—Province of BC, Ted Sheldon—Province of BC, Lyle Walker—TransLink, Mark Allison—PIBC, Kristen Mucha—Fortis BC.



2010 Climate & Energy Action Awards: Winners and Presenters (left to right):

Back Row: Norm Connolly, Executive Director, Community Energy Association; Mayor Ernie Daykin, District of Maple Ridge; Mayor Charlie Cornfield, City of Campbell River

Front Row: Mayor John Fraser, District of Tofino; Councillor Cameron Stolz, City of Prince George; John Yap, Minister of State for Climate Action; Bev Van Ruyven, Deputy CEO and Executive Vice President BC Hydro; Mayor Darrell Mussatto, City of North Vancouver.

Research and Publications...

UBCM Newsletter The September 2010 issue featured news on the 2010 Climate & Energy Action Awards, BC Mayors Climate Leadership Council events at the UBCM Convention, Accelerating to Zero, and the SolarBC initiative. The newsletter regularly features a 102 page section devoted to energy and climate action news.

Municipal World The November 2010 issue featured an article on the Carbon Neutral Kootenays project co-authored by CEA.

Westside News The November 24th 2010 edition of this local Kelowna newspaper reported on CEA's presentation to West Kelowna Council under the title Trimming Energy Costs Urged.

Clean Energy for a Green economy In partnership with Province of BC's RuralBC Secretariat, CEA has developed a 'clean energy' guide for local government staff and elected officials. The guide synthesizes practitioner understanding of how renewable energy projects can support rural communities as they transition to a green economy. The first version of the guide was released in June 2010.

Carbon Neutral Action Guide for CNK Municipalities Columbia Basin Trust, RDCK, RDEK, and RDKB announced that the team led by CEA was selected to carry out the second phase of implementation support to 35 local governments and First Nations communities in the Kootenay and Columbia River Basin. This 24 month project began in November 2010.

Collaborative Initiatives...

Accelerating to Zero The three programs under this initiative, which started in 2009, will be completed in March 2011. Base funding was provided by an Environment Canada EcoAction grant of almost \$100,000.

Build to Zero (Lower Mainland) The second phase of research was completed in April 2010, resulting in the report: *Modeling High-impact Local Government Measures to Reduce Energy Use and GHG Emissions for New and Existing Buildings in BC's Lower Mainland*. This report summarizes BC's legislative context on climate and energy issues and local government action in this area. It also includes a technical and functional review of seven GHG modeling tools being used in BC and their potential application for Build to Zero.

Research continues on four key strategies to reduce GHG emissions from new and existing buildings. Staff met with interested local governments as well as with BC Hydro and Pembina Institute. A Build to Zero webinar, entitled *Retrofitting Single and Multifamily Homes for High Energy Efficiency*, was held in October 2010.

CEA is working on a planning and policy report examining ways to encourage district energy ready buildings in Multi Unit Residential Buildings (MURBs).

Financial sponsors include Environment Canada, VanCity and Real Estate Foundation of BC's Green Building Grant, BC Hydro Power Smart, Terasen, CMHC, and Natural Resources Canada. In-kind support is provided by Province of BC, UBCM, Cascadia Region Green Building Council, District of Maple Ridge and District of North Vancouver. Thanks to all sponsors and partners!

Road to Zero – Capital Regional District (CRD) The project was launched through CRD's Inter-Municipal Planning Committee and builds upon inter-agency participation between BC Transit, Ministry of Transportation and Infrastructure, and Capital Regional District. Completion of the Foundation Paper, a CRD Road to Zero workshop and local government support are planned for early in 2011.

Road to Zero – Lower Mainland This collaborative initiative will identify and facilitate implementation of practical, high-impact local government actions to reduce transportation related GHG emissions in greater Vancouver. CEA is the project lead, providing technical and analytical support as well as stakeholder facilitation. Metro Vancouver Regional District and TransLink (South Coast BC Transportation Authority) are helping to shape this initiative by providing ongoing review and technical input. Reports to date have been well received. Work will continue throughout early 2011.

BC Mayors' Climate Leadership Council On Tuesday, September 28, the BC Mayors Climate Leaders Council and the Community Energy Association hosted a 90 minute workshop for 110 participants at the UBCM Convention in Whistler. This workshop, moderated by Mayor Dan Rogers of the City of Prince George, engaged and celebrated political leadership by local governments on climate and energy. The Climate Leadership Council includes ten mayors representing communities large and small across BC. At the close of the workshop, each of these mayors agreed to mentor up to three locally elected officials over the next year.

SolarBC In January 2010, the SolarBC project plan was extended to include ten additional local governments, bringing the total commitment target to 30 communities by the summer. This project's completion at the end of September, coincided with the October 1, 2010 close of the federal *ecoENERGY for Renewable Heat* program, which provided funding rebates for local governments. The target of having 30 individual local governments proceed with solar hot water installations was met, with several of these intending to proceed with more than one installation.

QUEST-BC (Quality Urban Energy Systems for Tomorrow) CEA continues to be an active participant in QUEST-BC, including monthly teleconference calls.

Program Delivery...

Infrastructure Planning Grant CEA helped the Village of Granisle prepare an IPG application for a corporate and community energy plan. The application was successful and Granisle engaged CEA Advisory Services to prepare a community and corporate energy plan in 2011.

Township of Langley Staff supported the Township of Langley in identifying energy requirements for a neighbourhood plan RFP and supported the Township on other issues related to energy planning.

District of Peachland CEA provided advice on energy sustainability and the possibility of a downtown district energy system.

Carbon Neutral Kootenays Project Phases 1 & 2 CEA facilitated full-day workshops on carbon neutral action planning, including an "Implementation Agent Analysis" that builds the business case for shared resources to implement action plans for 30 local governments within three participating regional districts.

Cache Creek Carbon Neutral Strategy CEA created a carbon neutral strategy for Cache Creek, including utility bill analysis and an onsite workshop.

Midway District Energy System Feasibility Assessment Staff assessed district energy system potential in the Village of Midway

Township of Langley Murrayville District Energy Implementation Plan CEA was contracted to advise on the implementation of the Murrayville district energy opportunity - including policy guidance, governance discussions, stakeholder engagement, and development of the Terms of Reference for the DES detailed feasibility study. This work was completed in November 2010; the Township released the RFP for the Murrayville district energy feasibility study in the same month.

BC Hydro - Community Energy & Emissions Planning (CEEP) Quickstart CEA was selected by BC Hydro to review the existing Community Energy & Emissions Planning (CEEP) program and develop a program specifically for communities under 20,000 residents. This new initiative will help smaller communities develop their own community-wide energy and emissions plans. In addition to an energy and emissions modeling tool and actions guide, CEA also developed innovative facilitation techniques for this program. Pilot testing in the communities of Esquimalt, Burns Lake, Peachland, Cowichan Tribes, Invermere, Kimberley and Golden occurred in the summer and fall 2010.

Climate Action Boot Camps Terrace hosted a boot camp for RDKS. CEA received two inquiries in January about scheduling boot camps in the spring of 2011.

City of Nelson Community Energy and Emissions

Plan CEA sub-contracted to consultant HB Lanarc in the development of a community energy and emissions plan for the City of Nelson

CEA Conferences, Workshops and Presentations...

Small Steps and Big Leaps: Mobilizing Climate Action in the Thompson Okanagan CEA hosted a session for The Climate Action Secretariat entitled *Energy and Carbon Efficiency in the Public Sector: What's Working, What's Not*.

Rural BC Secretariat (RBCS) Webinar CEA made a presentation on the Clean Energy for a Green Economy Guide as part of an RBCS webinar.

Association of Kootenay Boundary Local Governments Conference CEA made three presentations on wind, financing, and geoexchange technologies.

UBC Continuing Studies Centre for Sustainability CEA delivered a lecture on low-carbon communities, financing strategies, climate action, and decision-making.

SFU Sustainable Community Development Program CEA provided expertise on community energy and emissions planning, and district energy for the program's foundation course and studio course.

CIP Planning Tools for Climate Change CEA provided input on the Canadian Institute of Planners' climate change policy.

FCM Sustainable Community Conference CEA travelled to Ottawa to make a presentation on Integrated Community Energy Systems.

FVRD Climate Change Modeling Workshop CEA staff participated in the Fraser Valley Regional District's climate change modeling workshop.

CVRD District Energy Workshop CEA made a presentation at this workshop sponsored by the Cowichan Valley Regional District. The topic was district energy, with an emphasis on small community applications. Terasen (now Fortis BC) and Compass Resource Management also presented.

Bioenergy Solutions for Community Sustainability Conference CEA presented on Community Energy and Emissions Planning (CEEP) to approximately 100 delegates at this conference in Prince George.

BC Parks and Recreation Symposium Co-presenting with BC Healthy Communities, CEA provided an overview of climate action boot camp material, with an emphasis on applicability to parks and recreation.

Provincial Climate Change Workshop CEA presented on the CRD *Road to Zero* initiative.

Rural BC Secretariat Webinar CEA presented the *Clean Energy for a Green Economy* guide, as part of an RBCS Webinar with 60 participants

Residential Deep Energy Retrofit Forum CEA made a brief presentation at this one day session organized by the Province of BC and CMHC

District of Peachland Solar Community Kick-off Staff presented at the official launch of the District of Peachland becoming a solar community

Cowichan Valley Regional District CMHC Sponsored Workshop CEA organized, facilitated and presented at a workshop at Cowichan Valley Regional District's (CVRD) offices. Other presenters included CMHC, RuralBC Secretariat, CVRD, BC Bioenergy Network, and Savage and Associates. CEA staff presented *Clean Energy for a Green Economy*. In the afternoon district and renewable energy opportunities for two key areas in the CVRD were analyzed.

District of West Kelowna's City Hall a CMHC sponsored presentation on the benefits of community energy planning. The presentation was conducted alongside CMHC.

Building Sustainable Communities Conference in Kelowna Four staff presented at this 3 day conference. Presentations included *Clean Energy for a Green Economy*, district energy, community successes in climate action, and information on the Road to Zero program pilots.

SFU Centre for Dialogue Session – Undergraduate Seminar on Sustainable Energy Staff led a dialogue session on energy issues with undergraduate students.

CEA attended the following events:

- People, Pixels and Planning – Kootenay Association for Science and Technology Conference
- UBC-Pacific Institute for Climate Solutions Social Mobilization Workshop
- Rural BC Summit, a community energy modeling workshop hosted by Province of BC, NRCAN and UBC.
- Canadian District Energy Conference
- Planning Institute of BC's 2010 Annual Conference *Planning in Action: Transforming Community*.
- BC Transit Open House on Victoria Region transit options and plans.
- BC BioEnergy Network, regarding Biomass-fuelled District Energy
- BC Hydro Power Smart Forum

Statement of Financial Position

for year ended December 31, 2010

Assets	2010
Current	
Cash	\$ 29,137
Accounts receivable	162,888
Due from Government Agency	3,086
Prepays	3,125
Deposit	<u>1,126</u>
	<u>\$199,361</u>
Liabilities and Society Equity	
Current Liabilities	
Accounts payable	\$18,613
Deferred revenue	<u>26,381</u>
	<u>\$ 44,994</u>
Special purpose funds and reserve funds *	<u>\$100,000</u>
Society equity	<u>\$ 54,367</u>
	<u>\$199,361</u>

Statement of Operations and Changes in Equity

for year ended December 31, 2010

Receipts	
Membership and Non-government	\$ 180,426
Charitable donations	10,075
Provincial and Municipal	139,700
Federal government	90,046
Workshops and presentations	111,004
Interest	<u>680</u>
	<u>\$ 531,932</u>
Disbursements	
Operation expenses	\$ 53,409
Organizational expenses	10,406
Personnel	442,989
Direct program expenses	<u>31,769</u>
	<u>\$ 538,573</u>
Excess (Deficiency)	(\$ 6,641)
Society Equity beginning of year	<u>13,408</u>
Transfer from Special Purpose Fund	<u>47,600</u>
Society Equity End of Year	<u><u>\$ 54,367</u></u>

Carbon Neutral Operations

CEA has been carbon neutral since 2006, through purchasing offsets on the voluntary market.

* Note: 2009 balance was \$147,600. \$47,600 was transferred by board approval resulting in an adjusted 2010 balance of \$100,000

CEA People

Board of Directors...

CEA's Board of Directors is co-chaired by **Dan Rogers, Mayor, City of Prince George**, and **Richard White MCIP, Director of Community Development, City of North Vancouver**.



2010 CEA Board and Members (left to right, back row first): Victoria Smith, BC Hydro; Lyle Walker, Translink; Helen Iosfin, BC Hydro; Stacey Bernier, Corix; Richard White, District of North Vancouver; John Turner, Terasen; Marie Crawford, Union of BC Municipalities; Donna McGeachie, BC Hydro; Dan Rogers, Mayor of Prince George; Patricia Bell, CEA; Peter Robinson, CEA; Dale Littlejohn, CEA; Norm Connolly, CEA; Ted Sheldon, Ministry of Environment; Stephen Brydon, BC Transit

Members of the Board are:

- **Russ Fuoco**, MCIP, CEA Secretary-Treasurer at Large
- **Marie Crawford**, Associate Executive Director Union of BC Municipalities (UBCM)
- **Kristen Mucha**, Manager, Business Development & Customer Relations, Fortis BC
- **Mark Allison**, MCIP, Planning Institute of BC, Senior Planner and Manager Advisory Services, Whistler Centre for Sustainability
- **Peter Larose**, Director Industry Workforce Development, go2 (BC's tourism industry's human resource association)
- **Dominica Babicki**, Energy Manager, District of North Vancouver
- **Donna McGeachie**, Manager Stakeholder Relations, BC Hydro
- **Stephen Brydon**, Manager Climate Action, BC Transit
- **Lyle Walker**, MCIP, Transportation Planner, TransLink (South Coast BC Transportation Authority)
- **Helen Iosfin**, P.Eng. Director of Asset Management, Strategic Asset Management, BC Hydro

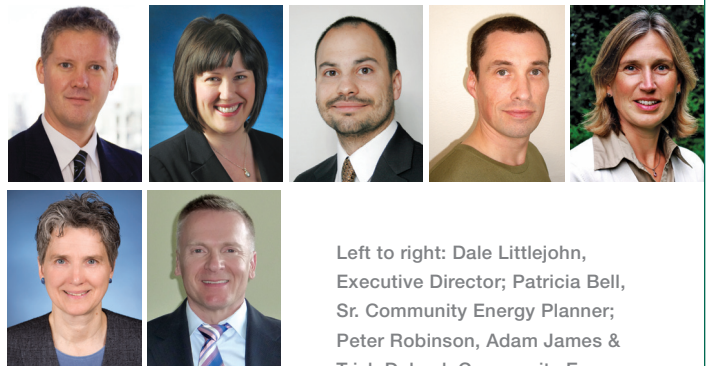
CEA Members...

Additionally, CEA has 11 non-director members including:

- **Village of Burns Lake**, Tim Palmer, Chief Administrative Officer
- **City of Campbell River**, Amber Zirnhelt, Sustainability Manager
- **City of Castlegar**, John Malcolm, Chief Administrative Officer
- **City of Dawson Creek**, Mayor Mike Bernier
- **City of Kelowna**, Mark Watt, Strategic Projects Manager, Works & Utilities
- **City of Vancouver**, Sean Pander, (Acting) Sustainability Manager, Office of the City Manager
- **Corix Utilities**, Stacey Bernier, Technical Director, Sustainable Energy
- **Federation of Canadian Municipalities**, Devin Causley, Program Officer, Partners for Climate Protection
- **Fortis BC**, Carol Suhan, MBA PR, PowerSense Service Manager
- **Pacific Northern Gas**, David Oatway P.Eng. Manager, Engineering
- **Johnson Controls Inc.** Charles Champagne, Business Development-Energy Solutions

Staff

2010 was a year of growth and change. **Norm Connolly** resigned as Executive Director and embarked on a 6-month world trip. **Dale Littlejohn** left his position as CEA's Manager of Strategy and Outreach and took on the role of Executive Director. **Trish Dehnel** briefly operated from an office in France.



Left to right: Dale Littlejohn, Executive Director; Patricia Bell, Sr. Community Energy Planner; Peter Robinson, Adam James & Trish Dehnel, Community Energy Planners; Laura Porcher, Manager Partnership Development; Norm Connolly, Out-going Executive Director

Community Energy Association 2010 Partners and Members

Members



Municipal Members



Funding Contributors

