



## Energy Sustainability Planning: What’s in it for my community?

Development patterns profoundly affect future energy demands. Through Community Energy Planning – by factoring energy use, efficiency and renewable energy into your land-use, transportation, buildings and infrastructure decisions, as well as into your local government operations – your community can reap wide-ranging savings and benefits. Consider energy in all that you do, and the economic, environmental and social benefits will ripple throughout your community.

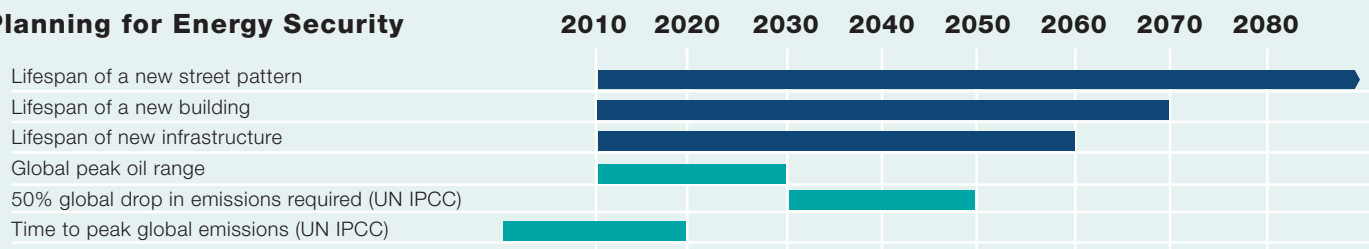
### Saving Money by Saving Energy

Initiative	Source of value	Annual reductions and savings
<b>Community Energy Planning</b>		
High density development	Greenhouse gas emissions	<b>60% reduction</b>
Denser, mixed-use neighbourhoods	Publicly-borne infrastructure costs	<b>\$250 - \$4,000 per dwelling unit</b>
Energy efficiency and renewable energy	400,000 new BC jobs over the next 30 years	<b>Significant economic benefits</b>
<b>Local Government Operations</b>		
Burnaby: Buildings	Energy efficiency savings	<b>\$500,000</b>
Maple Ridge: Transportation	Fleet fuel savings	<b>\$1,080 per vehicle</b>
Capital Regional District: Landfill gas	Electricity revenue	<b>\$200,000</b>

### Security Through Leadership

Infrastructure put in place today will remain for decades. Energy resiliency comes through efficiency and renewable energy. By designing your community to be energy resilient, you can achieve long-term energy and economic security while at the same time reducing emissions, improving air quality, growing your local economy – and saving money – today.

### Planning for Energy Security



## Energy and Emissions: Top 10 'First Steps'

**1. Form a Team** The right people will prime you for success; a strong climate action team might include your city manager, engineer, planner, the mayor and community reps.

**2. Set a Target** Knowing where you want to go is the first step. Every community's situation is unique. CEA can help you establish an attainable emissions-reduction goal.

**3. Partner Up** B.C. leads the nation in communities signed on to the Federation of Canadian Municipalities' Partners For Climate Protection program, which sets a clear path forward on greenhouse gases.

**4. Grow With Care** Download the Smart Growth BC and CEA toolkits; they'll help identify best practices on land use and infrastructure. Implement a Smart Growth Checklist, focus development, preserve greenfields and encourage district heating.

**5. Drive Change** Create fuel savings by increasing transit, cycling and pedestrian modes, promoting green fleets, implementing anti-idling bylaws and creating incentives such as preferred parking for vanpools.

**6. Build Green** Adopt policies to encourage the development of energy efficient buildings, and buildings using renewable energy, throughout your community.

**7. Make a Power Play** Promote renewable energy options for neighbourhood development, district heating and community facilities.

**8. Waste Not, Want Not** Encourage waste reduction and home composting; consider capturing landfill gases to generate renewable energy.

**9. Green Your Operations** Constructing green civic buildings, undertaking energy efficiency retrofits of existing buildings, greening your fleet, optimizing infrastructure, and utilizing solar and ground-source heating can all lead to major savings.

**10. Visit CEA's Website** at [www.communityenergy.bc.ca](http://www.communityenergy.bc.ca) to learn how you can join the two dozen British Columbia communities that have already begun or completed Community Energy Plans.

## CEA At Your Service

We're the Community Energy Association. We turn global challenges into local opportunities. For more than a decade, we have served as a 'first stop' for local governments on energy sustainability and climate change. What can we do for you?

## How We Can Help

- Presentations and workshops for Boards, Councils or staff
- Identification of funding sources
- Assistance with grant writing
- Trusted, independent advice
- Community Energy Planning
- Green local government buildings
- Carbon-neutral operations

## Reports and Resources

- *Funding Your Community Energy and Climate Change Initiatives*
- *Renewable Energy Guide*
- Community Energy Planning Toolkit and Case Studies
- Annual Energy Aware Awards
- Local government showcase
- First-stop interactive website
- CEA Governments & Energy listserve

### Community Energy Association Members and Partners



Community Energy Association – the 'first stop' for local government leaders addressing energy sustainability and climate change

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