

## Chapter 12 – Climate Change and Energy

Sub-Topic	Plan Reference	Feedback
Overview	overview text	Regarding S.12, Climate Change and Energy, related goals could also include goals regarding local food and the local economy.
	12 (d) & 12.5	We assume that other committees will provide detailed feedback. We want to ensure that the directions are clear, especially objective 12 (d) and 12.5. We acknowledge the importance of teamwork and public engagement, building on current strengths, and the overlapping jurisdictions and regional context.
	12 (d)	Section 12(d) –a district wide participation and achievement of this plan is encouraged.
	12 (d)	Explore renewable energy as a potential revenue generator for City – electrical utility.
Climate Change Resiliency	12.1	Consider market driven solutions to energy resiliency: community energy loan fund; local improvement fund. Also: consider solar opportunities, and other technologies that are clean, such as wood burning stoves.
	12.1	This section could be strengthened in the discussion about adaptation by making stronger linkages with water and infrastructure – i.e. retaining more water on the land (through LID) and encouraging infiltration to the ground is an important adaptation strategy so that we do not need to upsize all of the underground infrastructure due to increased rainfall.
	12.1 – 12.4	Also consider potential impacts of sea-level rise, and climate change upon the city's vegetation species.
	12.1.2	The OCP focuses on GHG Policy – rather than local pollution issues. The GVH policy has rules and guidelines that do not necessarily address GHG being emitted within the region. Of particular note is the exclusion, within GHG mapping exercises, of cruise ship and perhaps tourism transportation emissions. Failure to take account of cruise ship emissions, including both local pollutants and green-house gases, and to work to reduce them, makes a mockery of local estimates and related targets.
	12.1.3	Steps towards analysing where fresh water moves and preparing for potential changes that may come with climate change.
	12.1.4	Carbon footprint - Ignores impact of tourism. Must address: diesel buses, cruise ship emissions, float plan emissions, helicopter emissions.
	12.1.4	It is not enough to say the City has intentions of becoming “green”, and it is hypocritical to ignore the major sources of pollution and green house gases in the City because the GHG “rules” permit their exclusion.
	12.1.4	The SO <sub>2</sub> and particulate emissions from cruise ships and the VOCs from floatplanes and helicopters are the most important large pollutants. But no ones seems to be counting these in the

Sub-Topic	Plan Reference	Feedback
		sustainability process. Indeed counting only local building and locally-owned vehicle emissions while not counting tour bus, aircraft and particularly cruise ship emissions makes a mockery of the number counts and leads to erroneous advertising of the city's air quality and sustainability.
	12.2; 12.3	Replace "coordinate" with, "Include adaptation planning..." Be specific about coordination: among whom? Be clear this is direction for an inter-departmental approach.
	12.2	A rise in sea levels and discouraging high densities in these areas; Implications of rising sea levels in Climate Change and Emergency Management sections; dealing with the potential impact on property.
Sustainable Energy Priority	12.5	Further, S.12.5 would benefit from a reference to continue work with the CRD on energy conservation and climate adaptation strategies.
	12.5	BC Hydro's sustainable energy hierarchy and referencing other options for sustainable power.
Energy Consumption	12.6	The reference to the CRD in S.12.6 may be better placed under "Climate and Energy Resiliency."
	12.6 – 12.8	Design buildings and communities to maximize passive and active solar design. Encourage individuals and companies to build green through building codes to further allow natural building and innovative design.
Building Performance	12.9	Incorporate policy on impervious surfaces in S. 10.  Specifically, use % of impervious surfaces as standard for development, consider relative to densification: tie to green building policy; tie to storm water utility fees.
	12.9	Separately, though there are numerous references to landscaping, parks and green spaces in this document, there appears to be no tie-in to sustainable landscaping, reducing water consumption in boulevards, etc.
	12.9	Install SHW and PV systems on all public buildings.
	12.9	City buildings are such a small proportion of the number of buildings in the City. Your OCP consultant said not to do what other levels of government are doing. Clean up local issues first
	12.10	Remember, in order to accomplish any goals by 2020 or whenever we need to take decisive action immediately and continue to take every moment and opportunity between now and then. All future buildings should have very high (preferably platinum) LEED standings.
	12.10	12.10 – The wording needs to be changed to include the word "may" as in, "may include, but are not limited to."
	12.10	Integrate affordability (social sustainability) in green building policy.
	12.10.9	I want to comment on 12.9.7: It time we start making it more difficult for people to have multiple cars. Two cars per household should be more than enough. People should not have more cars than they can park in their driveway. If they park on the street they pay a fee.

Sub-Topic	Plan Reference	Feedback
	12.13	12.13 – Considerable thought needs to go into whether or not any particular building is suitable for “reuse [or] retrofit.” We see the words “as appropriate” have been included here, and appreciate the acknowledgement that reuse or retrofit may not be appropriate for all buildings.
	12.13	Native landscapes must be a heritage asset...not just buildings and structures. Our city has some significant and small parcels of land that have heritage value and the public can be educated on its importance in relation to Climate Change as well. Designate these landscapes as heritage and protect them from development.
	12.15	12.15 – We encourage you to prioritize the pursuit of “senior government incentives for energy upgrades to existing buildings” as noted in this point. Energy savings will be greatest in existing building stock.
	12.15	Encourage more green roofs through advocacy around the building code and provision of financial incentives
Renewable Energy	12.16	12.16 – We encourage you to pursue early stakeholder engagement with regard to district energy planning.
	12.16	Finally, under "Building Performance", the addition of a more general reference may also be beneficial, such as:  12.16 Encourage new developments that are adaptable to future climate change impacts.
	12.16	City - or perhaps I should say taxpayer - funding should not go into projects such as evaluating energy sources. The City does not have the expertise. Let the province do that and seek their advice.
	12.16 – 12.17	I would have thought that all of these were great ideas if they didn't include asking the private sector for the feasibility of anything renewable or clean. The private sector does not want any of this, as capitalism does not embrace anything that doesn't maximize its profits.
	Figure 14	Remove attribution to BC Hydro and be consistent in structure for pyramids.
	Figure 14	Weak rooftop wind(?) is not an appropriate image. Sustainable energy hierarchy of little relevance. Renewable energy can be thermal as well. Generally shows little familiarity with the topic. You need better advice. Contact me: Scott Davis, <a href="mailto:forebc@shaw.ca">forebc@shaw.ca</a> .
	12.16 – 12.17	obtaining 100% of our energy requirements through an island wide “distributed system” based on local production of renewable energy and energy recovery
	p.91	Section 12 – Page 91 – No “Measuring Progress” performance indicators. I highly recommend “Measuring Progress” performance indicators be included in each section
General – Other		The sections on Climate Change and Energy should emphasize affordability in relation to existing buildings.
		The sources of total greenhouse gas emissions were discussed. The City is using the data from the Capital Regional District but the City will be developing its own methodology to capture all the

Sub-Topic	Plan Reference	Feedback
		factors in the sustainability section.
		Go get 'em.
		Section 12, Climate Change and Energy – We agree with and support the goals for this section. As with all things related to the industry, we ask that we remain an active part of the discussion on how these goals might be achieved.
		Right to access to drinking water in the public realm.
		Becoming a world renowned sustainable community, starting with a low carbon economy, followed by elimination of fossil fuels by 2030.
		You've completely ignored the concept of significant change that will result as world's oil supply dwindles.
		Global temperatures are presently 0.7°C above pre-industrial levels. Without mitigation the 2°C mark will be reached within 20 years and serious effects are forecast to come thick and fast.  By 2041 we expect local temperatures will have increased significantly, weather patterns will be far more extreme and sea levels to rise by at least 0.5 meters. Whatever action we take now will just slow down the change in this period
		Increasing reliance on local initiatives & products as energy prices preclude importation of goods, food and tourists
		Many of the details, but not the urgency, are covered in your draft. <u>What is missing are recent developments including:</u>  <ol style="list-style-type: none"> <li>1. the smart meter and its contribution to developing the smart home, smart office and smart industry</li> <li>2. the development of distributed systems at the district, city, region and island wide scales based on local production facilities</li> <li>3. newer forms of people movers &amp; energy tools, and</li> </ol> <p>the overall value of Greenways, that abound throughout the City, in providing a people friendly and walkable environment within the built community</p>
		Please join the transition town movement.
		Giving anything to the private sector is a useless idea. It's called Capitalism, all they care about is making money and they don't give a shit about our environment.
		These statements are written in such a way that it's difficult to object. Will the city really do all of those things...?
		Changes must be cost efficient and cost effective. Don't do things just to be politically correct. Victoria taxpayers can't afford projects that do not have defined MEASURABLE targets.

Sub-Topic	Plan Reference	Feedback
		Again, community organizations will probably do a great job, but private sectors of our economy do not have the best interest of humans or the environment in mind. Also, I don't think our ridiculous Liberal government cares, either.
		Follow the OCP consultant report. Think Local, Act Local.
		Google "bloombbox" and find out about another way to provide power to homes and businesses.