

## **Task Force Purpose**

As buildings are the major source of demand for energy and material, which produce as byproducts greenhouse gases, it is the purpose of this Task Force to position architects nationwide to become leaders in the way we design, build and operate buildings to the end that we approach carbon neutral buildings.

## **Goals**

1. Slow the growth rate of greenhouse gas emissions;
2. Incorporate a market shift such that all new buildings, developments of major renovations be designed to meet a fossil fuel, greenhouse gas (GHG) emitting, energy consumption performance reduction to the following standards;  
  
50% of the regional average for that building type immediately  
60% reduction by 2010  
70% reduction by 2015  
80% reduction by 2020  
90% reduction by 2025  
Carbon-neutral by 2030 (using no fossil fuel GHG emitting energy to operate);
3. That at a minimum, an equal amount of existing building area be renovated annually to use 50% of the amount of fossil fuel GHG emitting energy they are currently consuming (50% of the regional average through innovative design strategies, the application of renewable technologies and/or the purchase (20% maximum) of renewable energy);
4. Through our leadership as architects, positively affect the way fellow practitioners, engineers, contractors and developers approach building.

## **Objectives**

- 1 Identify the types of information needed to make Architects more readily able to design and defend Green Building strategies;
- 2 Categorize the information and identify sources;
- 3 Gather and co-locate information to assist architects to design buildings / developments/communities so that they can take a leadership role in the achievement of carbon neutrality;
- 4 Empower architects to more fully understand and apply natural heating, cooling, ventilation and daylighting strategies, in order to understand and be in a position to implement renewable sources such as solar

- (photovoltaics, hot water heating, etc), wind, biomass and other viable carbon-free sources;
- 5 Use a wiki-based or similar platform to collect information so it is easy to use, easy to find, and easy to source. It must also be easy to update.

**Composition of Task Force** (i.e. regionally diverse, knowledgeable, interested architects)

1. Regional representation
  - a. Interested individuals to be chosen, importance on choosing individuals that reflect all climatic conditions in Canada;
2. Younger Architectural Practitioners
  - a. Individuals who have provided leadership in this topic, who are under 45 years of age;
3. Chapters
  - a. A chapter representative
4. Organizational Contacts
  - a. The Task force will be in contact with collateral organizations such as the CaGBC and will link to their website. However, this Task Force is comprised entirely of Architects who have an interest in sustainable design and in building a useful resource for Architects and others to use.
5. Board Liaison
  - a. The RAIC Board will appoint a Board Liaison to ensure the Task Force has a direct voice at the national table.

**Deliverables** (what we will have completed) within the next 12 months

- 1 Creation of a website; items to be highlighted are the 2030 challenge goals, rationale, provision of a tutorial;
- 2 Work with RAIC Communications to refine media package intended initially for architects, then clients + municipalities;
- 3 Develop a database of costs and benefits of integrated sustainable design strategies that work;
- 4 Develop a peer-to-peer coaching network to enable Architects to benefit from the experience of others.

**Task Force Budget**

\$15,000 – \$20,000 one face-to-face meeting, a few conference calls and a website developer who can work with RAIC web master to get the 2030 site up and integrated into the RAIC website.