

APPENDIX 'B'

SUSTAINABLE INITIATIVES

3. Sustainability Features:

Some of these features may be implemented in the outset or in due course and will be subject to the economic return of the Building.

The aim will be to design the project based on Sustainable principals, LEED Silver or higher; Environmentally, Socially and Economically.

This could be realized as follows:

3.1 Environmental Sustainability

- a. Energy Conservation and limitation of CO2 production (Geo Thermal heating and cooling, as well as Solar and/or Wind Power generation, is under consideration.
- b. Maximize use of day light to illuminate the interior spaces.
- c. Introduction of energy efficient light fixtures and room occupancy and daylight sensors for lighting control and switching.
- d. Use of water conserving fixtures.
- e. White Roofs to help the environment and help in minimizing the heat gain.
- f. Interior fresh air generation Eco-Systemic Environment.
- g. Rain water & wastewater management (grey water system for re use for flushing toilets and irrigation.
- h. The urban accessibility of this facility to its community will help reduce reliance on automobiles, reduce traffic and need for excessive parking areas. The proposed site accessible to public transit which is located very close to the building at the intersection of 16th Avenue and Williamson Road.
- i. Porous paving surfaces will reduce the impact of excessive paving, on the grounds ability to absorb the rain water.
- j. living wall concept that is proposed along the north wall between the property and the neighbours, will be a noise barrier as well as increase the landscape buffer by adding to the horizontal ground landscape a vertical extension about 2 meters high, and acts as a habitat for wild life.

3.2 Social Sustainability

The project's program shall be to provide a living facility that maintains healthy social interaction and activity services to the community mainly after work hours but generally at all times (6:00am. to 11:00pm) further insuring a safe environment in the neighbourhood.

- a. The location is in close proximity to large residential and commercial concentrations, with accessible by public transit, walking or cycling.
- b. Aside from being a place of Worship, the Building will be designed and operated to ensure a good mix of participants of all ages and thus maintain a safe and family-oriented environment.
- c. The communal focus of the development will be to attract families and especially the youth with the Sports activities in the interior Gymnasium/Auditorium will also be an interaction hub for the patrons of the Building.

3.3 Economic Sustainability

- The provision of a space that has communal appeal is the key to the economic success of the development. It is our experience with similar facilities that it often increases home values in the community due to the increased demand from the home buyers of the community and general visual merits.
- The Sports component will provide added activity and space utilization at times that Centre would otherwise be sparsely used, this will significantly increase revenue and further help the success of the Centre.
- The Building will provide employment for a good number of people.