



Establish RJH Campus Sustainability Plan

Principle:

Develop an overall Royal Jubilee Hospital campus Sustainability Plan

- Develop objectives and actions to guide future development of the Royal Jubilee Hospital campus.
- BC Government Bill 44 mandates carbon neutrality for all government funded facilities by 2010, and establishes benchmarks and objectives.
- Meet sustainability requirements described by City of Victoria, and District of Saanich.



LEED Certification

Principle:

Ensure new construction, and renovations to existing buildings, meets LEED standards where feasible.

- The new Patient Care Centre is being constructed to LEED Gold standard.
- Future new construction to be minimum LEED Gold standard; and the current environmental guidelines at the time of construction.



Noise Impact

Principle:

Minimize the noise affecting adjacent neighbourhood*

- Employ design criteria to ensure noise transfer from hospital campus is kept and maintained to minimum.
- Noise levels to be maintained to conform to appropriate City of Victoria and District of Saanich noise control bylaws.
- Incorporate landscaping and building sound screening elements, to reduce sound reflection from adjacent buildings.



Light Spillage

Principle:

Minimize light "pollution" affecting adjacent neighbourhood and larger area night skies*

- Ensure design adheres to Royal Astronomical Society of Canada Light pollution Abatement Program.
- Provide lighting levels to promote public safety, including walkways, paths, building entrances, transit stops, and bicycle lock-up facilities.
- Limit light spillage, and maximize energy conservation.



Minimize Heat Accumulation

Principle:

Minimize heat accumulation caused by heat absorptive surfaces

- Utilize "green roofs" to reduce heat accumulation caused by solar gain on ballasted flat roof areas.
- Utilize grass paver blocks to surface parking and pathways to reduce solar gain on concrete path and asphalt roadway surfaces.

** design principles carried forward from Patient Care Centre design requirements*



Stormwater Absorption

Principle:

Provide permeable surfaces where to minimize stormwater run-off

- Provide water permeable paving system where feasible to surface parking areas to allow stormwater to drain directly into ground, reducing loads to storm drainage system



Reduce Water Demand

Principle:

Utilize technology to reduce overall water consumption

- Use low-volume toilets to reduce water consumption
- Use aeration system to water supply fixtures to further reduce water consumption
- Provide water metering to monitor water use, to identify further potential water conservation methods
- Provide rainwater storage capacity for irrigation wherever feasible

** design principles carried forward from Patient Care Centre design requirements*

ROYAL JUBILEE HOSPITAL

Master Plan



Preserve existing Garry Oak trees

Principle:

Preserve existing Garry Oak and other specimen trees throughout the site

- Preserve existing Garry Oak and other specimen trees within the hospital campus.
- Preserve existing and newly planted street and boulevard trees.



Bowker Creek Watershed

Principle:

Protect Bowker Creek watershed corridor as identified in "Bowker Creek Watershed Management Plan"

- Follow recommendations for protection of Bowker Creek watershed as described in the "Bowker Creek Watershed Management Plan"
- Mitigate risk of stormwater run-off contaminating the Bowker Creek watershed.
- Bowker Creek watershed area is identified as a part of "proposed park" in the District of Saanich, Shelbourne Local Area Plan"