

# Green Pavilion at the Waterfront Commons

## EECBG – SEP competitive grant



### Green Components in the Pavilion Building

#### Current

- Maximum light and passive ventilation
- Photovoltaic strips on sloped roof supplies
- Instant hot water heaters
- Toilets and urinals – low flush rate
- Low e-glass
- Exterior green walls
- The adjacent park has abundant open space and plant materials include a large proportion of native species.

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### Potential

- All of the above
- Solar PV roof to supply up to 17Kw of electricity (equivalent of the energy consumption of 4 single family homes). Will provide adequate electricity to fuel the Pavilion, surrounding irrigation and lighting throughout the Commons.
- Solar system to include active monitor display of energy savings and educational resource
- Recycled construction debris
- Materials made of local and recycled content
- Enhanced insulation for energy efficiency
- Zoned lighting and temperature control
- Energy efficient lighting fixtures,
- Certified woods, green paints and green sealants
- Highly efficient HVAC systems.
- Roof is also sloped to maximize rain-water harvesting for landscape irrigation.