

## Council House 2 (Ch2) Building

- CH2 - the first Australian building to achieve a six star rating from the Green Building Council of Australia.
- 10 storey building - designed by DesignInc in conjunction with the City of Melbourne.
- Located :218-242 Little Collins Street
- Gross floor area (GFA): 12,536m<sup>2</sup> comprising:
  - 1,995m<sup>2</sup> GFA basement areas
  - 500m<sup>2</sup> net lettable area (NLA) – ground floor retail
  - 9,373m<sup>2</sup> total NLA
  - 1,064m<sup>2</sup> GFA – typical floor
- CH2's innovative and technological features:
  - Photovoltaic cells
  - Chilled ceilings
  - Blackwater sewage recycling systems
  - It's recycled timber louvers controlled by photovoltaic cells
  - Five shower towers, 1.4 meters in diameter and 13 meters long that draw air from over 17 meters above street level, in which water droplets evaporate slightly as they use up energy and thus cool the air. Shower towers lower air temperatures to around 21°C (from around 35°C) and lower water temperatures to 12°C.
  - Wind-powered turbines also help cool the building at night, internal thermal mass, a gas fired co-generation plant, as well as the recycling of the waste heat generated inside the building for their heating/cooling system.
  - All within a budget of 50 million Australian dollars
- **Benefits from the building design:**
  - Expected increases in productivity
  - Lower maintenance costs
  - Increased/improved visibility for the city of Melbourne -the value of building as a guiding light in sustainable building.
  - Payback period of about 10 years
- **Additional Information:**
  - For more information please visit the City of Melbourne CH2 website. <http://www.melbourne.vic.gov.au/info.cfm?top=171&pg=1933>

