

# Sustainable Melbourne Walking Tour

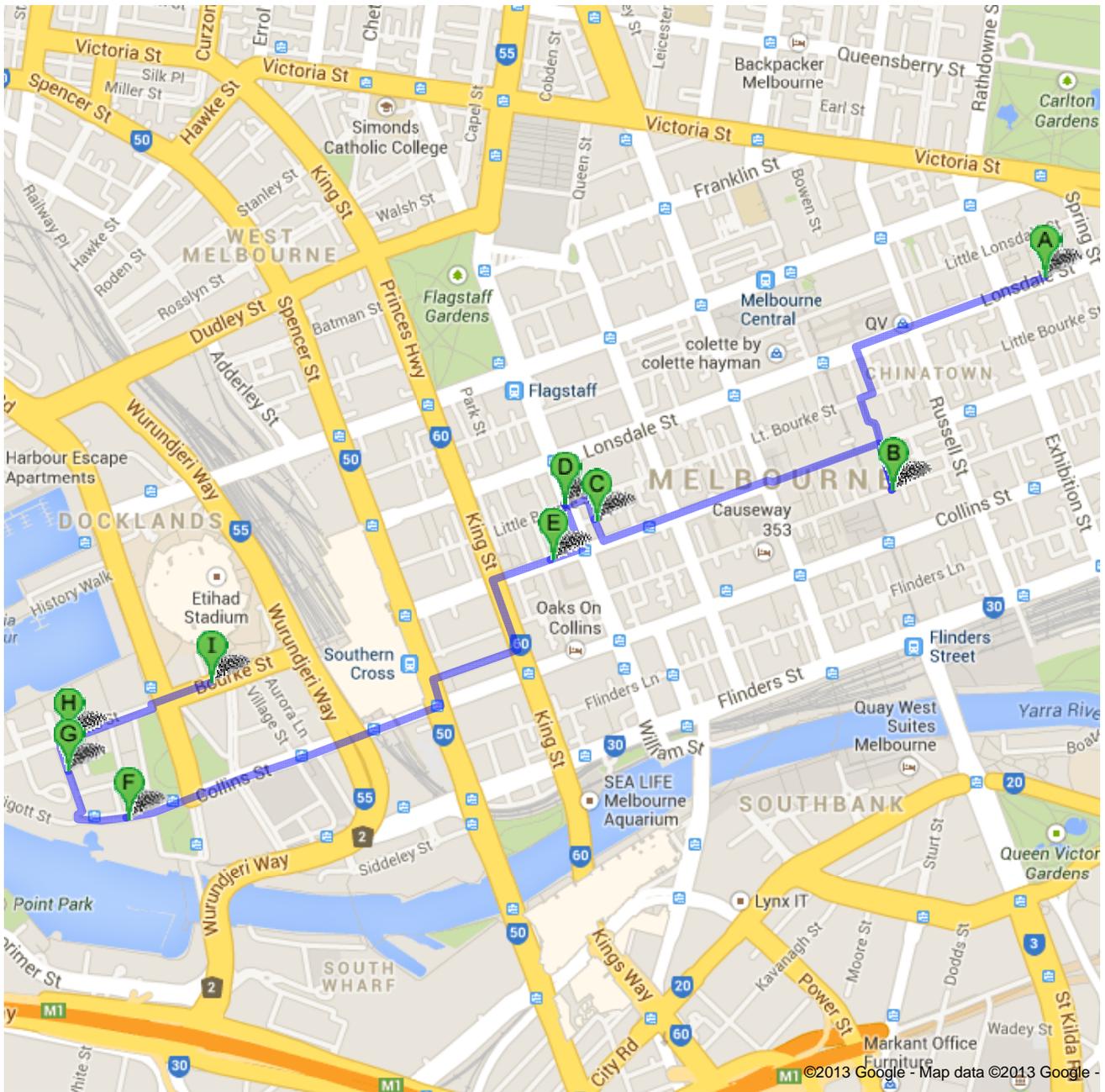




## Sustainable Melbourne Walking Tour

4.2 km about 54 mins

**Walking directions are in beta.**  
Use caution – This route may be missing sidewalks or pedestrian paths.





50 Lonsdale St, Melbourne VIC 3000

go 500 m  
total 500 m

1. Head **west** on **Lonsdale St** toward **Exhibition St**  
About 6 mins



2. Turn left towards **Little Bourke St**  
About 2 mins

go 120 m  
total 600 m



3. Turn right onto **Little Bourke St**

go 30 m  
total 650 m



4. Turn left at **Tattersalls Ln**  
About 3 mins

go 240 m  
total 900 m



5. Turn right onto **Little Collins St**  
Destination will be on the right

go 4 m  
total 900 m

Total: **900 m** – about **11 mins**



218/242 Little Collins St, Melbourne VIC 3000

total 0.0 km

6. Head **east** on **Little Collins St**

go 4 m  
total 4 m



7. Turn left towards **Bourke St**  
About 1 min

go 120 m  
total 120 m



8. Turn left onto **Bourke St**  
About 3 mins

go 270 m  
total 400 m



9. Slight right to stay on **Bourke St**  
About 7 mins

go 450 m  
total 850 m



10. Turn right onto **Little William St**  
Destination will be on the right

go 54 m  
total 900 m

Total: **900 m** – about **12 mins**



500 Bourke St, Melbourne VIC 3000

total 0.0 km

11. Head **north** on **Little William St** toward **Grice Alley**

go 56 m  
total 56 m



12. Turn left onto **Little Bourke St**

go 55 m  
total 110 m



13. Turn right onto **William St**  
Destination will be on the left

go 5 m  
total 120 m

Total: **120 m** – about **1 min**



181 William St, Melbourne VIC 3000

total 0.0 km

14. Head **south-east** on **William St** toward **Little Bourke St**  
About 2 mins

go 120 m  
total 120 m



15. Turn right onto **Bourke St**  
Destination will be on the right  
About 50 secs

go 79 m  
total 190 m

Total: **190 m** – about **3 mins**



550 Bourke St, Melbourne VIC 3004

total 0.0 km

16. Head **west** on **Bourke St** toward **Ramsay Ln**  
About 2 mins

go 150 m  
total 150 m



17. Turn left onto **King St/State Route 60**  
About 3 mins

go 180 m  
total 350 m



	18. Turn right onto <b>Francis St</b> About 2 mins	go 220 m total 550 m
	19. Turn left onto <b>Spencer St/State Route 50</b> About 56 secs	go 67 m total 600 m
	20. Turn right onto <b>Collins St</b> Destination will be on the right About 10 mins	go 800 m total 1.4 km

Total: **1.4 km** – about **18 mins**

 833 Collins St, Docklands VIC 3008 total 0.0 km

	21. Head <b>west</b> on <b>Collins St</b> toward <b>Merchant St</b> About 1 min	go 120 m total 120 m
	22. Turn right onto <b>Merchant St</b>	go 28 m total 150 m
	23. Turn left to stay on <b>Merchant St</b> Destination will be on the right About 1 min	go 100 m total 250 m

Total: **250 m** – about **3 mins**

 33 Merchant St, Docklands VIC 3008 total 0.0 km

	24. Head <b>north</b> on <b>Merchant St</b> toward <b>Bourke St</b> About 58 secs	go 74 m total 74 m
	25. Turn right onto <b>Bourke St</b> Destination will be on the right	go 23 m total 97 m

Total: **97 m** – about **1 min**

 825 Bourke St, Docklands VIC 3008 total 0.0 km

	26. Head <b>east</b> on <b>Bourke St</b> toward <b>Import Ln</b> About 3 mins	go 220 m total 220 m
	27. Turn left towards <b>Bourke St</b>	go 11 m total 230 m
	28. Turn right onto <b>Bourke St</b> Destination will be on the left About 2 mins	go 150 m total 400 m

Total: **400 m** – about **5 mins**

 817 Bourke St, Docklands VIC 3008

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2013 Google

Directions weren't right? Please find your route on [maps.google.com.au](http://maps.google.com.au) and click "Report a problem" at the bottom left.

# Urban Workshop, 50 Lonsdale Street, Melbourne

## 4 Star Green Star – Office As Built v2

The Urban Workshop comprises 29 levels of office space with a 4 storey podium 'Leisure precinct' including 2 levels of retail space and 2 levels of fitness/gymnasium accommodation. Prior to excavation, an extensive archaeological dig was undertaken to ensure that historical remains were not lost. The dig uncovered many on site artefacts, now display in the building foyer, and the project is an example where the building design and development worked to enhance the site's heritage and social history.

### Project Details

<b>Green Star project applicant:</b>	<b>ISPT Pty Ltd</b>
<b>Owner/s:</b>	<b>ISPT Pty Ltd</b>
<b>Architect/s:</b>	<b>John Wardle Architects, Hassell and NH Architecture</b>
<b>Major tenant/s:</b>	<b>Department of Human Services (DHS)</b>
<b>Net lettable area:</b>	<b>62,738 square metres (33 storeys)</b>
<b>Location:</b>	<b>50 Lonsdale Street Melbourne, VIC</b>



### Building Features:

- Curtain-wall glazed tower consisting of a concrete core and a steel and condek formed concrete slab structure
- 5 levels of underground car parking with cyclist facilities
- Rooftop solar hot water systems
- High frequency ballasts installed in all fluorescent fittings
- Integrated design fitout
- Carbon dioxide monitoring
- Onsite blackwater treatment plant, recycling up to 75% of the water on site and re-using water for toilet flushing
- HydroShare, a real-time predicting system which tracks excess water usage or leakages and monitors flow to save water in a leakage or burst pipe event.

## Council House 2 (CH2)

### 6 Star Green Star – Office Design v1 and 6 Star Green Star – Office As Built v1

Council House 2 (CH2) remains today, one of Melbourne's best Green Star icons through its innovative design and construction. The design follows a model that promotes a more interactive role between the city and nature, acting more like an ecosystem in which all parts depend on each other. The result is a highly innovative building that set the standard for green buildings in Australia, and was the first of its kind.

#### Project Details

<b>Green Star project applicant:</b>	<b>City of Melbourne</b>
<b>Owner/s:</b>	<b>City of Melbourne</b>
<b>Architect/s:</b>	<b>DesignInc Melbourne Pty Ltd</b>
<b>Main contractor:</b>	<b>Hansen Yuncken Pty Ltd</b>
<b>Major tenant/s:</b>	<b>City of Melbourne</b>
<b>Net lettable area:</b>	<b>9,373 square metres (10 storeys)</b>
<b>Location:</b>	<b>218-242 Little Collins Street Melbourne, VIC</b>



#### Building Features:

- High ventilation rates with air change effectiveness and carbon dioxide monitoring
- High frequency ballasts
- Appropriate lighting levels and daylight glare control
- Thermal comfort and controls
- The use of low VOC products, formaldehyde and PVC minimisation
- Installation of water efficient fittings, fixtures and sub-metering
- Blackwater treatment plant for all non-potable water demands
- Zero ODP refrigerants and insulants, and a refrigerant leak detection and recovery system
- Mining from the sewer and treatment and usage on site
- Mechanisms to prevent mould production
- Bicycle parking and the reduction of car spaces
- Installed vertical gardens and rooftop garden
- Chilled ceiling system
- Sprinkler water reclamation.

# 500 Bourke Street Melbourne

## 5 Star Green Star – Office Design v2

500 Bourke Street, Melbourne, is a leading example of a high rise CBD sustainable office refurbishment. This iconic Melbourne landmark was revamped across its office accommodation, retail space and base building services. Sustainable changes to the building include the upgrade of services and finishes, improved energy and water efficiency, indoor environment quality and resource efficiency over the life of the building.

### Project Details

**Green Star project applicant:** ISPT Pty Ltd

**Owner/s:** ISPT Pty Ltd

**Architect/s:** John Wardles Architects (base building)  
Peddle Thorp Architects (Intergrated fitout)

**Major tenant/s:** National Australia Bank (NAB)

**Net lettable area:** 47,000 square metres (35 storeys)

**Location:** 500 Bourke Street  
Melbourne, VIC



### Building Features:

- Fitout across 44,000 square meters of office accommodation
- Upgraded base building services to each office level
- Redeveloped ground floor foyer and retail plaza
- Maximised energy and water efficiency
- Improved indoor environment quality
- Enhanced resource efficiency.

## 181 William Street

### 5 Star Green Star – Office Design v2 and 5 Star Green Star – Office As Built v2

This development mixes office and retail space across two towers and incorporates advanced infrastructure and innovative engineering services. Its environmental initiatives include the blackwater treatment plant, use of solar power and various water efficient monitors and systems to ensure that the building operates to a 5 Star Green Star 'Australian excellence' level.

#### Project Details

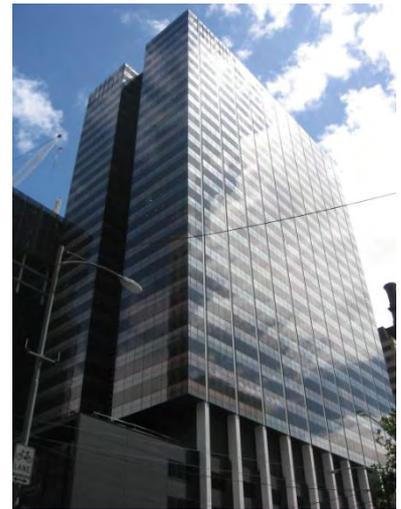
**Green Star project applicant:** Australian Super Developments Pty Ltd

**Architect/s:** Bates Smart and SJB joint venture

**Main contractor:** Brookfield Multiplex Australasia Pty Ltd

**Net lettable area:** 47,780 square metres (27 storeys)

**Location:** 181 William Street  
Melbourne, VIC



#### Building Features:

- Two office towers and three basement car park levels
- Two levels of retail serving as a podium across the site with shared facilities for the two towers
- Blackwater treatment plant
- Solar domestic hot water
- Syphonic roof drainage system
- Water efficient fixtures and fittings
- Water metres and electrical sub-metering

## 550 Bourke Street (Extension)

### 5 Star Green Star – Office Design v2 and 5 Star Green Star – Office As Built v2

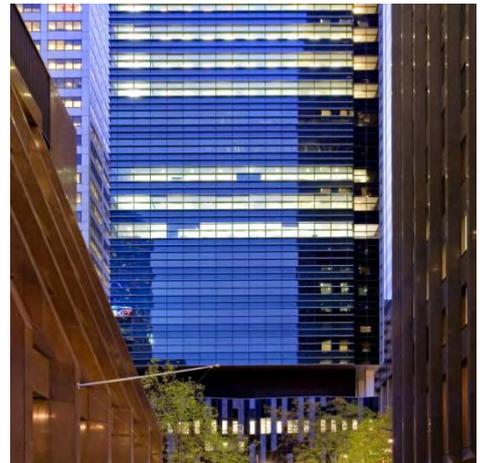
The extension of 550 Bourke Street provided an additional 18 office storeys to the 181 William Street office towers. The additional space includes enhanced water and air conditioning systems, plus blackwater treatment facilities to reduce potable consumption.

#### Project Details

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<b>Green Star project applicant:</b>	<b>Cbus Property Pty Ltd</b>
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<b>Architect/s:</b>	<b>Bates Smart and SJB joint venture</b>
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<b>Main contractor:</b>	<b>Brookfield Multiplex Australasia Pty Ltd</b>
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<b>Net lettable area:</b>	<b>25,130 square metres (18 storeys)</b>
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<b>Location:</b>	<b>550 Bourke Street Melbourne, VIC</b>

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#### Building Features:

- Water cooled chillers with VAV re-heat air distribution system
- Hot water supplied by gas fired boilers in plant rooms
- Reduced potable water consumption through the blackwater treatment plant

## ANZ – 833 Collins Street

**6 Star Green Star – Office Design v2**

**6 Star Green Star – Office Interiors v1.1**

**6 Star Green Star – Office As Built v2**

The ANZ Centre is the largest single-tenanted commercial building in Australia, and houses almost 6,500 ANZ employees. The centre has achieved world leadership in sustainability through its achievement of 6 Star Green Star ratings across: Office Design v2, Office Interiors v1.1 and Office As Built v2. The ANZ Centre is located in Victoria Harbour at 833 Collins Street, a 30-hectare precinct being developed by Lend Lease. The precinct has 2.5 kilometres of water frontage and a vibrant mix of retail, residential, office and community development.

### Project Details

<b>Green Star project applicant:</b>	<b>ANZ</b>
<b>Owner/s:</b>	<b>ANZ</b>
<b>Architect/s:</b>	<b>HASSELL Ltd</b>
<b>Main contractor:</b>	<b>Bovis Lend Lease</b>
<b>Net lettable area:</b>	<b>89,390 square metres (10 storeys)</b>
<b>Location:</b>	<b>833 Collins Street Melbourne</b>



### Building Features:

- Air-conditioning system uses cool water from the river to reduce demand on cooling towers
- Gas-fired tri-generation plant
- 1000 square metres of solar cells
- Underfloor air-conditioning
- Storm water re-use
- Waste water recycled for use in flushing toilets
- Roof mounted wind turbines supplement electricity generation on-site

## EXO – 33-61 Merchant Street

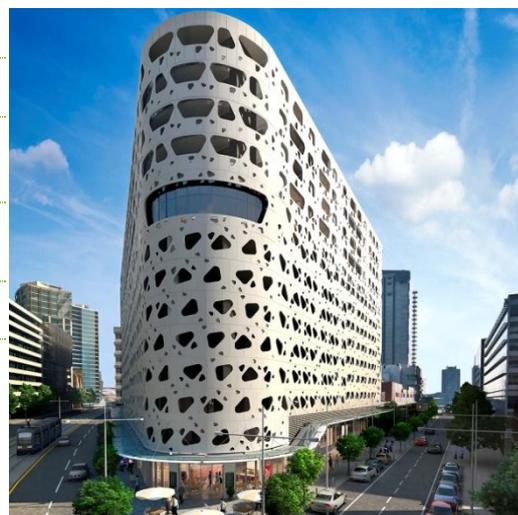
### 4 Star Green Star – Multi Unit Residential Design v1

Exo is a progressive apartment building with a total of 96 apartments, located on the corner of Collins and Merchant Streets in Victoria Harbour. Exo's unique sculptural form is inspired by nature and is destined to become a Melbourne design icon.

The central courtyard and corridor is open to the sky and provides natural light and ventilation as well as positively contributing to the environment. Sustainability design elements include energy and water saving devices, double glazing to reduce heat and cooling loads, and increased indoor environment quality.

#### Project Details

<b>Green Star project applicant:</b>	<b>Lend Lease</b>
<b>Owner/s:</b>	<b>Lend Lease</b>
<b>Architect/s:</b>	<b>Lend Lease</b>
<b>Main contractor:</b>	<b>Lend Lease – Project Management and Construction (Australia) Pty Ltd</b>
<b>Usable Floor Area:</b>	<b>7,769 square metres</b>
<b>Location:</b>	<b>33-61 Merchant Street Docklands, Melbourne</b>



#### Building Features:

- Facade design and position permitting solar control
- Double glazing on windows to reduce heat loss.
- Apartment 'kill switches' installed to turn off all lighting circuits and air-conditioning
- Efficient lighting installed throughout
- Centralised gas-fired domestic hot water system.
- Energy and water metering

## The Gauge

### 6 Star Green Star – Office Design v2 6 Star Green Star – Office As Built v2

At the leading edge of Australia's green building movement, The Gauge - in Melbourne's new Victoria Harbour precinct - holds two 6 Star Green Star certifications for both Office Design v2 and Office As Built v2 rating tools. Closing the loop of design conception and built practice, this world leading project demonstrates the benefits of sustainable building while still retaining a highly competitive construction cost.

#### Project Details

**Green Star project applicant:** Lend Lease

**Owner/s:** Lend Lease

**Architect:** Lend Lease design

**Main contractor:** Bovis Lend Lease

**Net lettable area:** 8,900 square metres

**Location:** 825 Bourke Street  
Docklands, Melbourne



#### Building Features:

- Electric, internal solar blinds on north and west facades with occupant override
- Maximisation of natural light through low tint full floor to ceiling glazing, two full height atriums and a segmented core with windows
- Individual task lighting controlled by the occupant in the Lend Lease fit-out
- Reuse and remediation of a heavily contaminated industrial site
- Fit-out integrated with base building construction to minimise waste
- High level of post consumer recycled content in majority of steel used
- Sustainable timber used throughout, either Forestry Stewardship Council rated or post consumer recycled

## Serrata

### 4 Star Green Star – Multi Unit Residential Design v1

The 15 storey Serrata apartment building is yet another sustainable addition to Victoria Harbour; a precinct that boasts the highest concentration of Green Star rated buildings in Australia.

Serrata, known for its bold design and creative urban edge houses 144 apartments which have been designed for quality of living as well as positively contributing to the environment. Initiatives include smart metering to all apartments to monitor energy and water usage, low-E glazing to windows to reduce heat and cooling, and to increase indoor environment quality.

#### Project Details

**Green Star project applicant:** Serrata Development Pty Limited

**Owner/s:** Lend Lease

**Architect:** Hayball

**Main contractor:** Lend Lease

**Net lettable area:** 10,796 square metres (15 storeys)

**Location:** 817 Bourke Street  
Docklands, Melbourne



#### Building Features:

- Low emissivity glass for maximum energy efficiency
- Proximity to public transport hubs, parklands and recreation areas
- Centralised gas hot water system with individual metering to monitor usage
- Motion controlled lighting to common areas
- Minimal sub-surface parking
- Rain water collection for landscape irrigation and toilet flushing.