

NBSC Manly Campus

Be inspired by the activities this school has undertaken to promote sustainability

Our activities

NBSC Manly Campus installed a 60 kW solar system in February 2019. This generated approx. 43 MWh of power in 2019, 53 MWh of power so far in 2020, and has reduced the school's carbon footprint by 71 tonnes to date. The installation was partially funded by the Department of Education and by school funds.

Manly Campus has an active Environmental Committee which recently audited high-consuming sections of the school and researched energy saving solutions. They will pitch to a 'Shark Tank' of teachers, parents and community members who will fund and implement the best proposals.

Manly Campus is coordinating sustainability initiatives with other local high schools who are part of the Northern Beaches Secondary College, to help our school communities to engage in sustainability and be part of a brighter future. Current student initiatives include a vegetable garden, an earn and return scheme for plastic bottles and the canteen moving away from plastic.

The TAS faculty was successful in gaining two grants during 2019. The first was a State Government grant for \$15,000 to improve biodiversity and provide opportunities for Year 7 Technology Mandatory students to learn about sustainable agricultural practices. The grant funds were used to purchase and install three 300l water tanks with pumps, and plant a 50m long hedge of native plants to support a new colony of native bees. A broad range of fruit trees will be planted in the final phase of the project for use in Year 8 Technology Mandatory Food classes.

"I'm pleased to see that the solar system has reduced the schools carbon footprint since installation. It gives me confidence that we will achieve our ambitious aim of being carbon neutral by 2025."

Kathy O'Sullivan
Relieving Principal, Manly Campus, NBSC

[Visit School Website](#)

The second grant was a Federal Government environmental grant for \$17,000. We used this to purchase two machines for recycling 3D printer filaments to significantly reduce the school's landfill. Collection containers were provided to other NBSC campuses to recycle their waste 3D printer filament. To date we have made one roll of recycled filament, successfully redirecting 500 grams of plastic from land fill.

The next big steps include a green wall in the quadrangle, LED lights for the school and introduction of the Climate Clever app to track our carbon footprint and carbon reduction success.

CO₂ emissions*

64.5 (approx)
tonnes
saved

per annum

Car kilometres**

376,450
kms
avoided

per annum

Trees***

968
trees
planted

per annum

Electricity bill

\$10k (approx)
power
savings

per annum

*Per National Electricity Market CO₂e Emissions Intensity CY19, www.aemo.com.au

** Per Australia's average emissions intensity for passenger vehicles

<https://www.ntc.gov.au/sites/default/files/assets/files/CO2-report-2017.pdf>

***15 trees per tonne