



Health
Mid North Coast
Local Health District



Green Travel Plan

COFFS HARBOUR HEALTH CAMPUS



Version 4.0 September
2021

Document review and approval

This document has been reviewed by

	Reviewer	Date reviewed
1	Tracey Moore, Change Management Officer	June 2020
2	Nicola Kerr, MNCLHD Health Promotion Coordinator	July 2020
3	Joe Bryant, MNCLHD Aboriginal Health Program Coordinator	July 2020
4	Brad Kay, IT Support Officer	July 2020
5	Amy Sawyer, MNCLHD Health Promotion	July 2020
6	Kerry Smith, MNCLHD Health Promotion	July 2020
7	Maryann Anderson, MNCLHD Health Promotion	July 2020
8	Kerry Piper, MNCLHD Health Promotion	September 2020
9	Joanne Melinz, Physiotherapist	September 2020
10	Alan Domansky-Chung, Physiotherapist	October 2020
11	Dale Casley, Occupational Therapist	October 2020
12	Dr Theresa Beswick, CCN Network Coordinator	October 2020
13	Carmen Morgan, Director Nursing Macksville Hospital	October 2020
14	Jenny Chapman, A/CCN Manager Community & Allied Health	October 2020
15	Maxine Walker, CCN Aboriginal Health Manager	September 2020
16	Lauren Chamberlain, Chair CHHC Work Health Safety Committee	September 2020
17	Luke Gregson, MNCLHD WHS Officer	September 2020
18	Tracey Townsend, Facility Support Manager	September 2020
19	Simon Waterworth, Town Planner (input)	September 2021
20	Michele Erwin, GeoLINK Traffic Engineer (review)	September 2021

This document was referred to the CHHC WHS Committee for comment on the 15 September 2020.

This document has been approved by

This document has been endorsed at the Coffs Harbour Hospital Expansion and Change and Workforce Working Group on the

Meeting Date: September 2021

Executive Summary

The Coffs Harbour Hospital Expansion is undergoing a \$194 M major development to better respond to the increasing health demands of the population. The Coffs Harbour Health Campus (CHHC) was opened in 2001 and is the Major Non-Metropolitan Referral Hospital within the Coffs Clinical Network (CCN). The hospital provides a range of clinical services including provides specialist public acute care services (at a role delineation Level 4 to Level 5) to a population of 108,000 residents, providing 30,000 admissions, 79,000 bed days, 1,100 births and 9,500 operations each year with referrals out only for more specialised tertiary services. Other specialist services available include acute stroke unit, coronary angiography unit, interventional unit, renal unit, mental health unit and medical oncology and radiotherapy services within the Mid North Coast Cancer Institute.

The redevelopment will provide additional capacity within existing services including Emergency Department, Intensive Care Unit, Operating Theatres, Cardiac Angiography Unit, Medical Inpatient beds, Oncology Unit, Renal Unit and support services and will provide space for new services such as Sub Acute Care Unit and Ambulatory Care area.

As part of the planning for the Coffs Harbour Hospital expansion, *Green Travel* principles were incorporated into the design of the development including provision of public and staff car parking, cycle parking, public bus stop, staff showers and lockers.

The Green Travel Plan is aligned to NSW Health Policy and Mid North Coast Local Health District Strategic Plans;

- NSW State Health Plan Towards 2021
- NSW Rural Health Plan Towards 2021
- NSW Healthy Eating and Active Living Strategy 2013-2018
- MNCLHD Strategic Directions 2017-2021
- Coffs Harbour Health Campus (CHHC) Clinical Services Plan 2016-2026



Introduction

The *Coffs Harbour Health Campus Green Travel Plan* outlines the measures implemented to encourage more sustainable travel for the journey to and from the Coffs Harbour Health Campus for all people including staff, patients and visitors. The Green Travel Plan will apply to the operation of the Coffs Harbour Health Campus. The Green Travel Plan is a requirement of the State Significant Development Approval SSD- 8981 which require that:

D7: Prior to the commencement of operation, The Applicant must prepare a Green Travel Plan (GTP) and submit to the Planning Secretary to promote the use of active and sustainable transport modes.

The GTP must:

- a) be prepared by a suitably qualified traffic consultant in consultation with Council and Transport for NSW;*
- b) include objectives and modes share targets (i.e. site and land use specific, measurable and achievable and timeframes for implementation) to define the direction and purpose of the GTP;*
- c) include specific tools and actions to help achieve the objectives and mode share targets;*
- d) include measures to promote and support the implementation of the plan, including financial and human resource requirements, roles and responsibilities for relevant employees involved in the implementation of the GTP; and*
- e) include details regarding the methodology and monitoring/review program to measure the effectiveness of the objectives and mode share targets of the GTP, including the frequency of monitoring and the requirement for travel surveys to identify travel behaviours of staff to and from the hospital campus.*

The table below details how each of the above five items have been addressed in the GTP.

Condition	Notes
D7 (a) <i>Prepared by suitably qualified consultant in consultation with CHCC and TfNSW</i>	The GTP has been prepared and reviewed by a multitude of individuals from the Coffs Harbour Health Campus (CHHC) and the Mid North Coast Local Health District (MNCLHD), including a suitably qualified traffic consultant. It is understood that consultation with Coffs Harbour City Council (CHCC) and Transport for NSW (TfNSW) has been undertaken following preparation of the GTP.
D7 (b) <i>Includes objectives and modes share targets to define the direction and purpose of the GTP</i>	The section titled, Green Travel Plan Measures and Mode Share Targets (pg 10) includes a table of specific mode share targets. The targets proposed are applicable to the CHHC. They are measurable with a specified timeframe and are considered to be achievable given the proposed measures outline within the report.
D7 (c) <i>Includes specific tools and actions to help achieve the mode share targets.</i>	The GTP articulates specific measures ('tools and actions') to assist in achieving the mode share targets, including provision of electric vehicle (EV) charging stations, secure bike parking, lockers, showers and changing facilities, options to work from home, and encouraging carpooling and/or utilising existing public transport services during staff inductions.
D7 (d) <i>Includes measures to support implementation of the plan, incl. financial and HR requirements, roles for relevant employees.</i>	Responsibilities for each strategy have been articulated in the Methodology, Monitoring and Review Program section, together with how each strategy will be measured and when the tasks are due for completion. The GTP includes such strategies as staff inductions, staff surveys and provision of new infrastructure in order to meet the specific aims of the plan. Financial requirements are not specified, however this is considered unnecessary given the nature of the majority of the strategies to be employed.
D7 (e) <i>Includes details of methodology and monitoring program to measure the effectiveness of the objectives and mode share targets</i>	The Methodology, Monitoring and Review Program section of the GTP provides some details of how each strategy will be carried out and measured. Monitoring of the plan is to occur every two years, and it is assumed that the efficacy of the proposed strategies will be assessed on this timeframe.

Site Location

The Coffs Harbour Health Campus is located at 356 Pacific Highway, Coffs Harbour. The location of the hospital is approximately three kilometers south of the Coffs Harbour CBD as shown in *Figure 1. Coffs Harbour Health Campus Development Site*

Figure 1: Coffs Harbour Health Campus site



Existing Travel Patterns and Infrastructure – Coffs Harbour LGA

The Australian Bureau of Statistics findings from the 2016 Census stated 28,035 people were in the labour workforce in either a full or part-time capacity. The preferred method of travel to work for the population living in the Coffs Harbour (LGA) is outlined in *Figure 2: 2016 Census Coffs Harbour LGA Travel to Work, Top Responses*. The data indicates the working population of the Coffs Harbour LGA have a greater use of cars and significantly lower use of public transport compared with New South Wales and Australia:

- 70.2% travelled to work as a driver (NSW 57.8%)
- 6.1% travelled as a passenger (NSW 4.3%)
- 2.9% travelled by Walking Only (NSW 3.9%)
- 0.8% travelled using public transport (NSW 16.0%)

Travel to work, top responses <small>Employed people aged 15 years and over</small>	Coffs Harbour (C)	%	New South Wales	%	Australia	%
Car, as driver	20,784	70.2	1,953,399	57.8	6,574,571	61.5
Car, as passenger	1,811	6.1	144,820	4.3	489,922	4.6
Worked at home	1,543	5.2	163,026	4.8	503,582	4.7
Walked only	855	2.9	130,957	3.9	370,427	3.5
Truck	359	1.2	32,908	1.0	85,892	0.8
People who travelled to work by public transport	228	0.8	540,215	16.0	1,225,668	11.5
People who travelled to work by car as driver or passenger	22,819	77.0	2,182,854	64.6	7,305,271	68.4

In Coffs Harbour (C) (Local Government Areas), on the day of the Census, the most common methods of travel to work for employed people were: Car, as driver 70.2%, Car, as passenger 6.1% and Worked at home 5.2%. Other common responses were Walked only 2.9% and Truck 1.2%. On the day, 0.8% of employed people used public transport (train, bus, ferry, tram/light rail) as at least one of their methods of travel to work and 77.0% used car (either as driver or as passenger).

Figure 2: 2016 Census Coffs Harbour LGA Travel to Work, Top Responses, Data Source: Australian Bureau of Statistics 2016 Census QuickStats

Pedestrian and Bicycle Networks to Coffs Harbour Health Campus

The Coffs Harbour Health Campus is approximately 3.2 kilometers from the Coffs Harbour CBD. This represents a 13 minute bike ride or 43 minute walk.

Cycling is a clean and efficient mode of transport within modern transport systems. Increasing the number of people cycling as a mode of transport for work has a number of benefits including; improving health and wellbeing of the cyclist, reduces personal and family expenses, reducing carbon footprint, helps reduce traffic congestion, improves air quality, reduces traffic noise, reduces carbon emissions from transport and by improving health status of people it reduces costs to society of inactivity.

The Coffs Harbour Health Campus has shared pathway infrastructure in place to support pedestrians and cyclists coming from the north or south of the Hospital. Dedicated shared pathways are in place adjacent to the Pacific Highway and Hogbin Drive as indicated in *Figure 3: Pedestrian/cycle pathway Coffs Harbour - CHCC 2018 Coffs Coast Sport and Leisure Park Bike/Pedestrian Path Master Plan*

In recent times a pathway has been installed to support access to the Specialist Medical Centre (SMC).



Opportunities exist to improve the safety of pedestrians and cyclist using the existing pedestrian/cycle pathways;

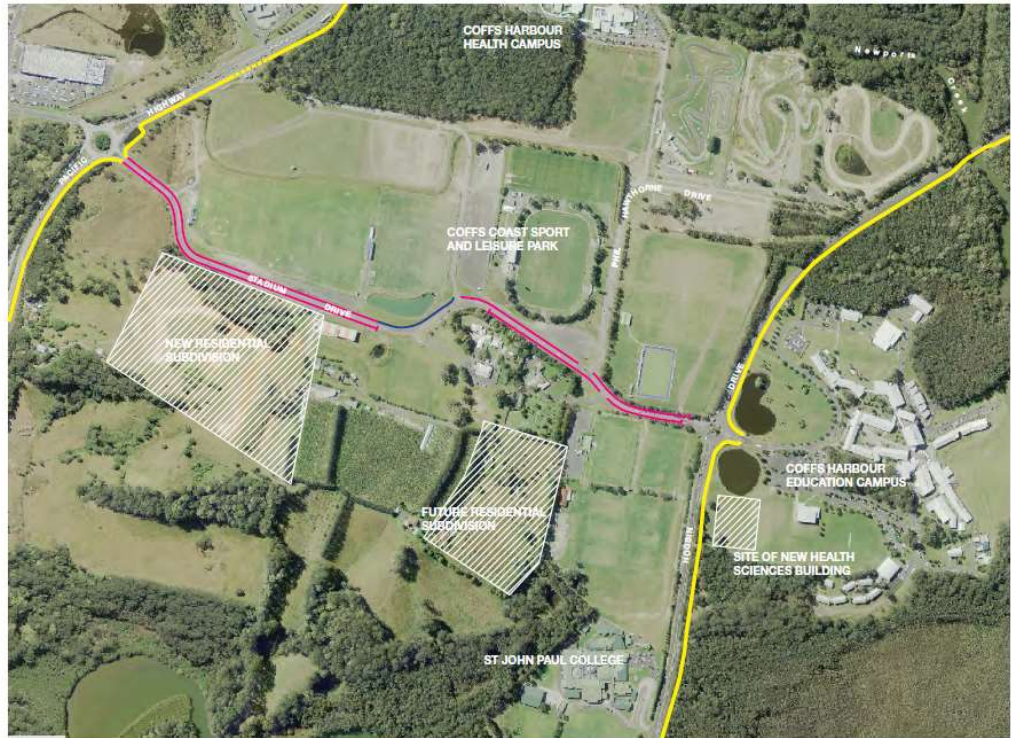
- Stadium Drive - lack of continuous pathway (*Figure 4 and 5*)
- Phil Hawthorn Drive – lack of continuous pathway (*Figure 6*)
- Access road from Phil Hawthorn Drive to the Hospital entry boom gates – lack of continuous pathway (*Figure 7*)
- Hogbin Drive / Stadium Drive roundabout – presents considerable safety challenges for pedestrians or cyclists (*Figure 8*) including those traversing across Hogbin Drive

Figure 3: Pedestrian/cycle pathway Coffs Harbour - CHCC 2018 Coffs Coast Sport and Leisure Park Bike/Pedestrian Path Master Plan

Existing Path Network

LEGEND

- Shared path on dedicated alignment
- Cycle path on road shoulder
- Shared path on kerbside footpath



Figures 4 and 5: Stadium Drive North and South bound



Figure 6: Phil Hawthorn Drive



Figure 7: Phil Hawthorn Drive to Hospital Boom Gates



Figure 8: Hogbin Drive / Stadium Drive roundabout



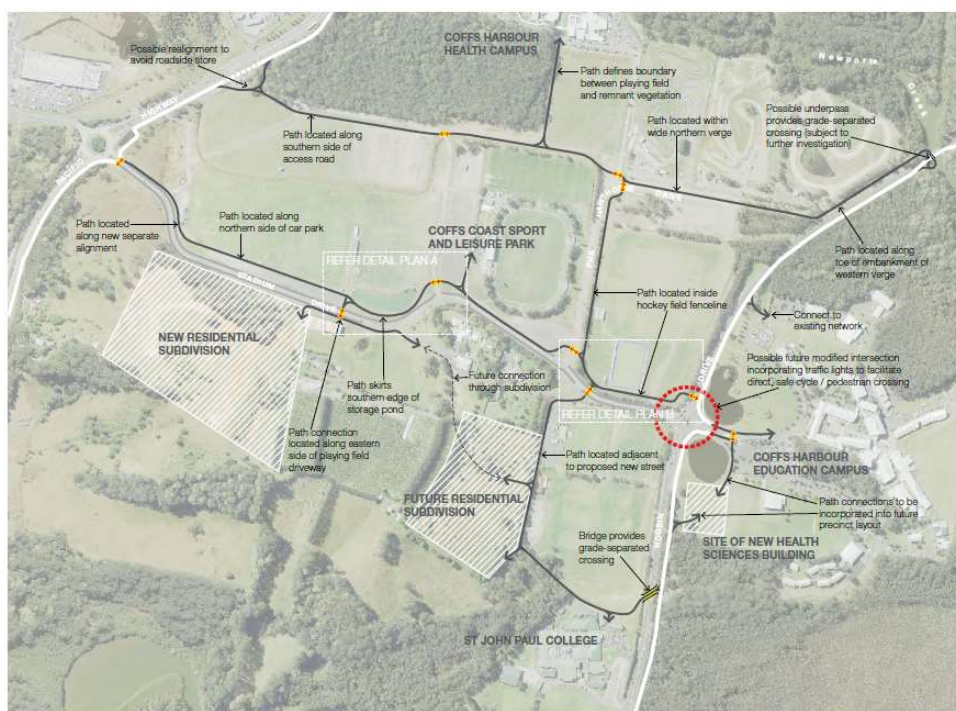
The Coffs Harbour City Council 2018 Coffs Coast Sport and Leisure Park Bike/Pedestrian Path Master Plan has identified a number of opportunities to improve pedestrian and cycle pathways as indicated in *Figure 9: Coffs Coast Sport and Leisure Park Bike/Pedestrian Path Master Plan*. Since the release of the plan, Coffs Harbour City Council has commenced and completed some stages of the plan including the installation of a wide median to create a safe refuge for cyclists and pedestrians crossing the road, pathway installed along Stadium Drive between the Phil Hawthorn Drive intersection and the Hogbin Drive roundabout and the installation of a pathway along Phil Hawthorn Drive to the beginning of the road entering the Hospital grounds.

Figure 9: Coffs Coast Sport and Leisure Park Bike/Pedestrian Path Master Plan

Master Plan

LEGEND

- Existing path
- Existing redundant path
- New shared path
- New / upgraded path crossing



End of Journey Staff Facilities

Provision of high quality end of trip facilities to overcome a substantial barrier to the use of active transport for such as lockers, showers and change rooms are important in supporting green travel. Staff will have access to staff only showers, toilet facilities and lockers to store personal belongings. Staff showers have been provisioned in the following locations of the Coffs Harbour Hospital Development in addition to facilities in the existing building as outlined in *Table 1: End of Journey Staff Facilities*.

Table 1: End of Journey Staff Facilities – Following Completion of CHHC Redevelopment Project

Level	Department		End of Journey Facilities
Ground Level	Emergency Department	Refurbishment	Two showers and lockers
	Medical Unit	Refurbishment	One shower and toilet (+ one office has ensuite bathroom)
	Mortuary	Existing	One shower and lockers
	Hydrotherapy Pool	Existing	One shower
	Back of House	Existing	Two showers and lockers in departments
	MNCCI	Existing	Three showers
Level 1	Operating Theatre	CSB	Six showers and lockers
	Operating Theatre	Existing	Six showers and lockers
	Surgical Unit	CSB	One shower and lockers
	Cath Lab	Refurbishment	One shower and lockers
	CSSD	Refurbishment	Lockers
	CCU (former ICU)	Existing	One shower and lockers
Level 2	Maternity	CSB	One shower and lockers
	Paediatrics	CSB	One shower and lockers
Level 3	ICU	CSB	One shower and lockers

NOTE: CSB – Clinical Services Building

Figure 10: Image of bike racks to be installed at the Coffs Harbour Health Campus



Additional bike racks will be placed in prominent locations at the front of the hospital for staff, patients and visitors. They will provide bike parking in a free, secure and convenient fashion to promote cycling as a preferred mode of transport.

This will be in addition to the current staff bike amenities on site including enclosed bike storage area showcased in *Figure 11*.

Coffs Harbour Health Campus has a number of locations for bike storage as outlined in Figure 11 below. The campus has a locked undercover bike storage area located near the Western Plant Room for staff use only. Staff are required to pay a \$20 key deposit, prior to obtaining a key from Physical Resources.

Figure 11: Bike storage facilities throughout CHHC

<p>Existing locked bike storage area located near the Western Plant Room – Staff Only</p>	<p>Existing bike storage areas located at the MNCCI – Staff Only</p>
<p>Existing bike storage area located between Entrance B and C – Staff and Visitors</p>	<p>Existing bike storage located in storage for relocation – Site to be determined</p>
<p>NEW – Bike Storage located at the front of the new Clinical Services Building</p>	

Public Transport Accessibility

There is limited commuter public transport in the region compared with options in metropolitan areas. Busways provides a public bus service to the Coffs Harbour Health Campus through Bus Runs 360, 362, 363 and 362C. The bus services provide a means of transport for people living in the Coffs Harbour area to access the Coffs Harbour Health Campus. Bus run 360 provides a round trip to Macksville via Bonville, Urunga, Valla and Nambucca Heads and return. All services run at regular intervals Monday to Friday with a limited service on Saturdays and no services on Sundays.

A covered bus shelter is located at the Coffs Harbour Health Campus in a convenient location on the hospital grounds to support staff, patient and visitor access.

The only mode of public transport modality for Coffs Harbour Health Campus is bus. The table below provides an overview.

Table 2: Transport NSW – Coffs Harbour region bus services – as at 1 June 2021

Bus Route	Bus Services (per day)	Start Time	Finish Time	Weekends
360 – Coffs Harbour to Macksville via Toormina and Nambucca Heads	5	10:07	16:07	10:08 and 15:08 (2 stops) – Sat and Sun only
362 – Toormina to Coffs Harbour (Loop Service)	10	09:06	14:24	Nil
363 – Toormina to Coffs Harbour via Boambee East (Loop Service)	14	07:05	15:50	Nil
369 – Coffs Harbour Health Campus to Park Beach Plaza via Park Ave	4	11:07	17:43	12:07 and 17:07 – (1 stops) - Sat only
370 – Toormina to Coffs Harbour via Boambee East and Sawtell (Loop Service)	0	-	-	08:32 to 16:37 (9 stops) – Sat Only 09:32 to 14:55 (5 runs) – Sun only
372 – Coffs Harbour to Grafton via Woolgoolga	9	06:49	19:35	06:05 to 19:35 (6 stops) – Sat only 09:05 to 17:20 (4 runs) – Sun only
Total Stops	42 stops			27 stops

Taxi Services are provided in the Coffs Harbour area. The drop off zone at the front entrance of the hospital will provide a safe location for Taxi Services to pick up and drop off patrons.

Community Transport is a non-profit community organisation providing a range of transport services for all members of the local community who are frail, aged, have disabilities and their carer's who cannot use public transport or do not have access to private transport. Community Transport assists with transport to attend hospital appointments and patient visitation. Community Transport has a fleet of vehicles including wheelchair accessible vehicles. Community Transport can be contacted on 1300 812 504

The Coffs Harbour Health Campus has partnered with Community Transport to provide a Carer and Relative Community Transport program. The program is designed to provide transportation to carers and relatives of patients between hospitals with the Coffs Clinical Network. The service is at no cost to eligible carers and relatives.

Car Parking

The Coffs Harbour Health Campus will have a total of 1,034 public car parks for use by the patients, staff and visitors as outlined in *Figure 12 Coffs Harbour Health Campus Car Parking*. Car parking on-site is managed by Carepark with parking zones clearly marked throughout the parking areas. *Table 1: Car Parking Fees per User Type* outlines the payment structure for patients, visitors, volunteers and staff.

Table 3: Car Parking Fees per User Type

Car Park User	Patient & Visitor Parking Fees	
	Time Period	Cost
Patients and Visitors	Up to 30 minutes	Free
	Up to 1 hour	\$2
	Up to 2 hours	\$4
	Up to 3 hours	\$5
	Maximum daily fee is \$5	
Accessible and concession parking up to three hours free is available		
Staff – Store Value Card	Per 24 hour period	\$2.50
Staff – Full-Time	Full-Time	\$20 per fortnight
	Part-Time (24 hours per week or less)	\$14 per fortnight
Volunteers		Free

Figure 12: Coffs Harbour Health Campus – Car Parking

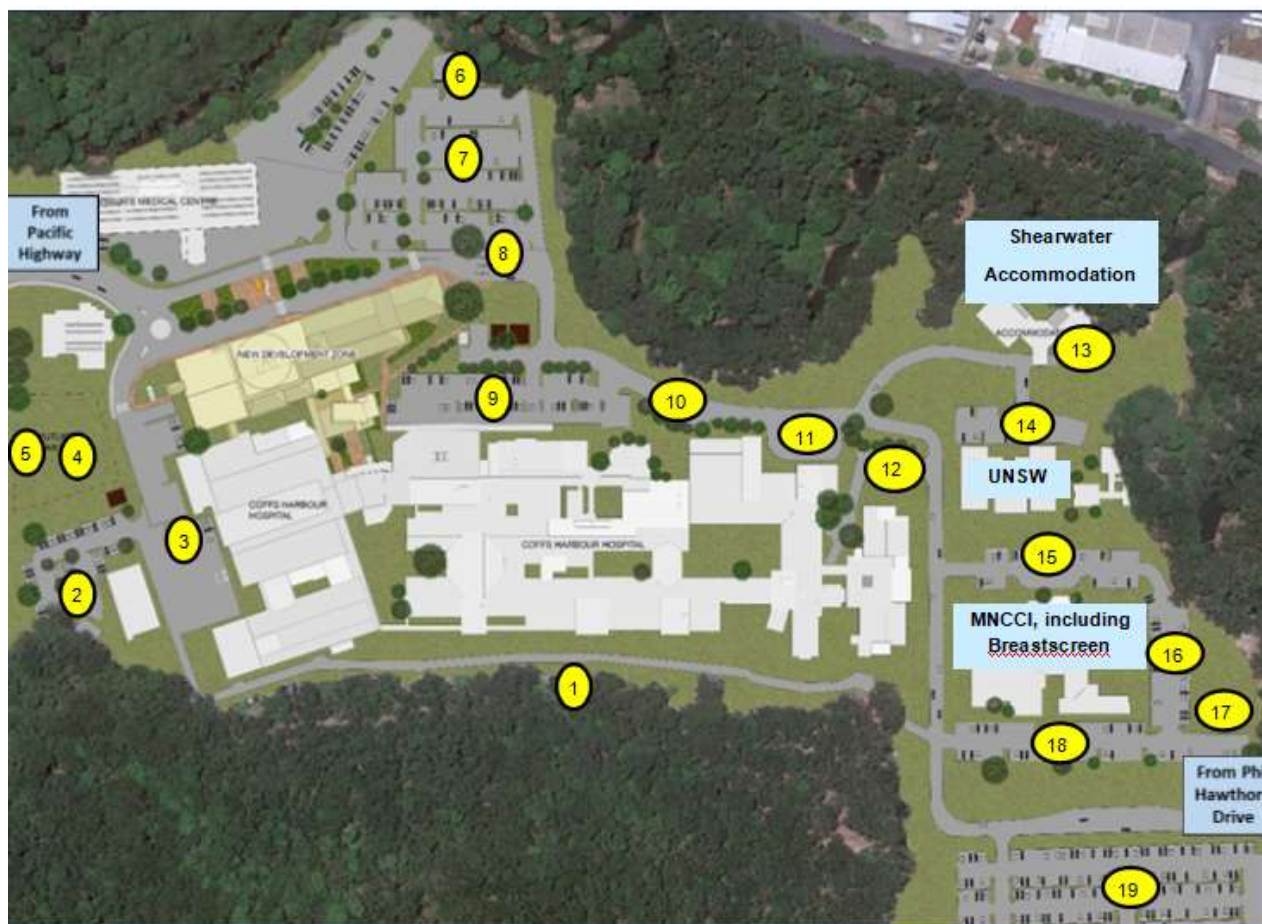


Table 4: Key for CHHC Car Parking outlined in Figure 12

Location Key	Location	Parking Type	Number of Parks
1	Back of House	Staff - Unmarked – After 11am	100
2	Western Car Park	Staff - After 11am	47 (+1 Accessible)
3	On-Call Car Park	Staff	7
4	Western Car Park - Expansion	Staff - After 11am	37 (+5 Motorbike)
5	Western Car Park - Expansion	Public – 4 hour	59 (+2 Accessible)
6	Northern Car Park	Public – All Day	26
7	Northern Car Park	Public – 6 hour	121
8	Northern Car Park	Public – 6 hour	9 (+6 Accessible)
9	Ambulatory Care Car Park	Public – 2 hour	40 (+5 Accessible)
10	Community Health Car Park	Public – 2 hour	10 (+2 Accessible)
11	Mental Health Car Park	Public – 1 hour	5 (+1 Accessible)
12	Mental Health Car Park	Public – 2 hour	7 (+2 Accessible)
13	Shearwater Lodge	Shearwater Visitors Only	16 (+2 Accessible)
14	UNSW Rural School	UNSW only	25 (+1 Accessible)
15	MNCCL - North	Public – 6 hour	34 (+3 Accessible)

16	MNCCI - East	Staff/Public – All Day	24 (+2 Accessible)
17	MNCCI – East	Staff/Public - Unmarked	50
18	MNCCI - South	Fleet – Unlimited Public – 2 hour	60 (Fleet) 12
19	Southern Car Park	All – All day parking	463
TOTAL			1184 (+27 Accessible)

Car parking has been designed with priority parking close to the hospital front entrance for accessible car parking and staff working evening and night shifts.

The car park does not have designated motorcycle parking, motorcycles will be required to park in the public car park. An opportunity exists to explore this in the future based on need.

Fleet Vehicles

Fleet vehicles allocated to the Coffs Harbour Health Campus are parked in the designated fleet car parks located along the Southern MNCCI Car Park. (Refer to Reference Point 18 on Figure 12)

Electric Vehicle (EV) Charging Stations

The number of electric cars available in Australia continues to expand. Coffs Harbour Health Campus should consider the need for infrastructure to support electric car charging points with any future car park expansion works.

Staff Working From Home

The COVID-19 pandemic has led to improvements in Information, Communication and Technology (ICT) capabilities and infrastructure to support staff working from home. Many benefits have been identified for those who work from home including; reduction in travel to and from work, improvements in work-life balance and improvements in productivity due to fewer interruptions.

Green Travel Plan Measures and Mode Share Targets

The green travel plan will be implemented to promote the uptake of public transport, walking and cycling by staff and visitors for travel to and from the CHHC and discourage the use of private vehicles where possible.

- Car parking data and observations of cycle parking use around CHHC.
- Hospital induction and Department/Unit orientation includes showing public transport stops, bicycle parking areas, lockers and shower and changing facilities
- Utilisation rates of bike racks
- Seek feedback to understand travel patterns and trends of how people (including staff) travel to and from the Campus.

The implementation of measures identified in this Green Travel Plan will encourage staff currently driving to and from the Campus to use more sustainable travel modes. This plan sets a minimum target mode share shift away from single occupancy private vehicle use of 4.7% by end of financial year 2026/27.

Mode	Existing Staff Mode Share	Target Staff Mode Share	Difference
Driver	87.2%	82.5%	-4.7%
Car (Passenger)	6.1%	7.0%	+0.9%
Public Transport	0.8%	2.0%	+1.2%
Walking	2.9%	3.5%	+0.6%
Other (inc. cycling)	3.0%	5.0%	+2.0%

- **Staff Induction**

To ensure new employees (including volunteers) are aware of the Green Travel Plan, all new employees (including volunteers) will be made aware of the Plan as part of their induction process, which will include:

- A brief introduction to the plan and its purpose
- Map of the Campus showing public transport stops, bicycle parking area and process for enclosed bike parking area, staff amenities such as lockers, showers and changing facilities.
- Department/Unit orientation will include staff access end of trip facilities located within the department/unit

MNCLHD Organisational Learning and Development Team are to maintain a record of the number of staff (including volunteers) who have completed orientation and induction to the workplace.

▪ **Cycling and Walking**

The Coffs Harbour *Local Growth Management Strategy* identifies the priority of progressing the North Boambee Valley as a priority housing release area providing 10% of the LGA's projected housing needs to 2036. The

To support cycling and walking as an option for staff travelling to and from work, bicycle parking and end of trip facilities (showers, change facilities and lockers) for staff will be identified and augmented as necessary.

All staff will be made aware of the footpaths, bicycle parking and end of trip facilities available as part of orientation and workplace induction.

Events such as National Bike Week and Ride2Work Day, which encourage the usage of bikes as a mode of transport, will be promoted through the MNCLHD Health promotion Team.

MNCLHD Organisational Learning and Development Team are to maintain a record of the number of staff (including volunteers) who have completed orientation and induction to the workplace.

MNCLHD to monitor the demand for bicycle parking at the Campus through an occupancy and staff survey undertaken annually.

▪ **Other Measures**

The MNCLHD will work with all stakeholders to explore other measures that could be implemented. These could include;

- Work with MNCLHD Health Promotion Team to support active transport and highlight the '*Make Healthy Normal*' and NSW '*Get Healthy At Work*'.
- Work with MNCLHD Sustainability Campaign to position itself as a sustainability leader, including the transition to electric fleet vehicles and the infrastructure required to support these vehicles

Forecast Levels of Activity

It is expected that following the completion of the built scope of the Coffs Harbour Hospital Expansion Project there will be an increase of 143 beds/treatment spaces at Coffs Harbour Health Campus.

Significant change in visitor and outpatient travel behaviour is not anticipated in the short term as there is minimal expansion in services.

The provision of additional physical capacity, refurbishment and repurposing of a number of existing clinical and support spaces will require a range of new positions to ensure a safe and effective service. Actual funding and staffing levels for future years will be subject to the Service Level Agreement negotiations with the Ministry of Health based on the funding principals applied in the relevant year.

Future Opportunities

- Local Council and MNCLHD partnership to seek infrastructure grants for the construction of a shared pathway from Phil Hawthorn Drive to the Southern rear entrance of the Coffs Harbour Health Campus.
- CHHC Car Parking Working Group to consider need for dedicated motorcycle parking spaces.
- CHHC Work Health Safety Committee to review location of staff bicycle storage facilities to ensure adequate facilities available across the campus including MNCCI following completion of the Coffs Harbour Hospital Expansion Project
- MNCLHD implementation of infrastructure to support the transition to a LHD fleet of electric vehicles with charging points under the MNCLHD Sustainability Campaign
- MNCLHD Health Promotion Team to continue to promote activities such as Ride to Work or Walk to Work day to raise importance of walking or cycling and the hospital facilities to support the workforce to do this on an ongoing basis
- MNCLHD Health Promotion Team to explore opportunities to run a staff bike riding refresher courses and bike maintenance workshops
- The MNCLHD continue to invest in infrastructure to support staff working from home.

Methodology, Monitoring and Review Program

The *Coffs Harbour Health Campus Green Travel Plan* outlines the measures implemented to encourage more sustainable travel for the journey to and from the Coffs Harbour Health Campus for all people including staff, patients and visitors. The implementation of these measures will encourage staff and visitors currently driving to and from the Campus to use more sustainable travel modes. This plan sets a minimum target mode share shift away from single occupancy private vehicle use of 4.7% by end of financial year 2026/27.

Goal	Strategy	Measurement	Responsibility	When
Increase cycling and walking to and from the Campus.	Work with Coffs Harbour City Council (CHCC) to improve and extend shared pathway facilities between the hospital and the external shared pathway network through funding opportunities.	Shared paths installed from the campus to Stadium Drive	MNCLHD and CHCC	Ongoing
	Maintain and improve end of trip facilities for staff that walk/ride to work.	An audit of end of trip facilities and implementation of an appropriate maintenance regime	MNCLHD and CHCC	Yearly
	Review location of staff bicycle storage facilities to ensure adequate facilities available across the campus.	Undertake review	CHHC Work Health Safety Committee	Within 6 months of completion of the Hospital Expansion Project
	Provide additional bike racks in prominent locations at the front of the hospital for staff, patients and visitors.	Installation of 6 new bike racks	MNCLHD	Nov 2021
	Monitor staff levels that ride/walk to work	Undertake staff survey	MNCLHD	Yearly
	Ensure new staff are aware of ride/walk facilities are available	Staff induction	CHCC	As required
	Maintain user pays system for car parking to encourage walking and cycling to work	Maintain parking fees	MNCLHD	Ongoing
	Promote and encourage staff to participate in activities such as Ride to Work or Walk to Work day etc.	Promote activities	MNCLHD	Ongoing

Promote and encourage use of public transport	Ensure new staff are aware of bus services and timetables and services	Staff induction	MNCLHD	As required
Electric Vehicle (EV) Charging Stations	Investigate the need for infrastructure to support electric car charging points.	Undertake investigations	MNCLHD	As part of any future car park expansion works
	Investigate the transition to a LHD fleet of electric vehicles with charging points under the MNCLHD Sustainability Campaign	Implementation of infrastructure to support electric vehicles	MNCLHD	2025
Encourage Work from home where possible	Continue to invest in infrastructure to support staff working from home and measure uptake of work from home	Undertake staff survey	MNCLHD	Ongoing

Coffs Harbour Health Campus Green Travel Plan is a dynamic document that will be required to be reviewed to ensure its relevance and innovation. The plan will therefore be reviewed every two (2) years by the MNCLHD.

References:

- Coffs Harbour Regional City Action Plan 2036, NSW Department of Planning, Industry and Environment 2021
- Coffs Harbour City Council, 2014, Bike Plan 20-14-2019 CHCC's Plan for Cycling Infrastructure and Projects
- Coffs Harbour City Council, 2018, Coffs Coast Sport and Leisure Park Bike/Pedestrian Path Master Plan
- NSW State Health Plan Towards 2021
- NSW Rural Health Plan Towards 2021
- NSW Healthy Eating and Active Living Strategy 2013 – 2018
- MNCLHD Strategic Directions 2017-2021
- Coffs Harbour Health Campus (CHHC) Clinical Services Plan 2016-2026

1 October 2021
Ref No: 2876-1117

Health Infrastructure
C/o PricewaterhouseCoopers
ahmed.jaradat@pwc.com

Attention: Ahmed Jaradat

Dear Ahmed,

Coffs Harbour Hotel Expansion – Technical Review of Green Travel Plan

As requested, I have reviewed the NSW Health report, *Green Travel Plan*, v4.0 dated September 2021, prepared by the Mid North Coast Local Health District for the Coffs Harbour Hospital Expansion to assess its suitability to satisfy Condition D7 of the State Significant Development (SSD) consent, SSD-8981. This condition is reproduced below.

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The GTP must:

- a) be prepared by a suitably qualified traffic consultant in consultation with Council and Transport for NSW;*
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The table overleaf details how each of the above five items have been addressed in the GTP.

Condition	Notes
D7 (a) <i>Prepared by suitably qualified consultant in consultation with CHCC and TfNSW</i>	The GTP has been prepared and reviewed by a multitude of individuals from the Coffs Harbour Health Campus (CHHC) and the Mid North Coast Local Health District (MNCLHD), including a suitably qualified traffic consultant. It is understood that consultation with Coffs Harbour City Council (CHCC) and Transport for NSW (TfNSW) has been undertaken following preparation of the GTP.
D7 (b) <i>Includes objectives and modes share targets to define the direction and purpose of the GTP</i>	The section titled, <i>Green Travel Plan Measures and Mode Share Targets</i> (pg 10) includes a table of specific mode share targets. The targets proposed are applicable to the CHHC. They are measurable with a specified timeframe and are considered to be achievable given the proposed measures outline within the report.
D7 (c) <i>Includes specific tools and actions to help achieve the mode share targets.</i>	The GTP articulates specific measures ('tools and actions') to assist in achieving the mode share targets, including provision of electric vehicle (EV) charging stations, secure bike parking, lockers, showers and changing facilities, options to work from home, and encouraging carpooling and/or utilising existing public transport services during staff inductions.
D7 (d) <i>Includes measures to support implementation of the plan, incl. financial and HR requirements, roles for relevant employees.</i>	Responsibilities for each strategy have been articulated in the <i>Methodology, Monitoring and Review Program</i> section, together with how each strategy will be measured and when the tasks are due for completion. The GTP includes such strategies as staff inductions, staff surveys and provision of new infrastructure in order to meet the specific aims of the plan. Financial requirements are not specified, however this is considered unnecessary given the nature of the majority of the strategies to be employed.
D7 (e) <i>Includes details of methodology and monitoring program to measure the effectiveness of the objectives and mode share targets</i>	The <i>Methodology, Monitoring and Review Program</i> section of the GTP provides some details of how each strategy will be carried out and measured. Monitoring of the plan is to occur every two years, and it is assumed that the efficacy of the proposed strategies will be assessed on this timeframe.

In my opinion, the *Green Travel Plan* (v4.0, September 2021) satisfactorily addresses all parts of Condition D7 of the development concept.

If you require further information, please get in touch by or emailing michelle@geolink.net.au or calling (02) 6687 7666.

Yours sincerely
GeoLINK



Michelle Erwin
Senior Civil Engineer
BE(Civil)(Hons), MTraf, Lead RSA, MIEAust, CPEng, NER



MAIL TYPE

General Correspondence

MAIL NUMBER

PWCAU-GCOR-015812

REFERENCE NUMBER

CPB Con-RFI-002975

CHHE - Main CSB Green Travel Plan

From Ahmed Jaradat - PwC

To Mr Jake Hofner - Blackett Maguire + Goldsmith Pty Ltd

Cc (3) Mr Ben Leach - CPB Contractors Pty Ltd
Brad Sugar - CPB Contractors Pty Ltd
Sherrie Rutherford - Health Infrastructure

Sent Monday, 11 October 2021

MESSAGE

Hi Jake,

Reg SSDA condition D7, please see attached GTP along with certificate from Geolink to provide evidence it has been reviewed/prepare by qualified person. Also attached evidence of consultation with RMS and Council.

As per D7, we are required to issue the above to BCA and provide evidence to DPIE this has been done

Let me know if you have any comments

Thanks
Ahmed

Ahmed Jaradat (AU) <ahmed.jaradat@pwc.com>

Coffs Hospital - Green Travel Plan

Ahmed Jaradat (AU) <ahmed.jaradat@pwc.com>
To: development.northern@rms.nsw.gov.au

Mon, Sep 20, 2021 at 8:06 PM

To Whom It May Concern,

As per the SSDA conditions for Coffs Harbour Hospital Expansion (CHHE) Project, Green Travel Plan (GTP) is required to be prepared and provided to the (TfNSW) for review as per the Consultation Process.

Please see attached GTP for your review. Let me know if you have any comments.

Should you have any queries, please do not hesitate to contact me.

Regards
Ahmed

Project Manager for Health Infrastructure NSW at CHHE

[Quoted text hidden]

 **CHHC Green Travel Plan_July 2021 (1).pdf**
2146K

Ahmed Jaradat (AU) <ahmed.jaradat@pwc.com>

Coffs Hospital - Green Travel Plan

Ahmed Jaradat (AU) <ahmed.jaradat@pwc.com>
To: coffs.council@chcc.nsw.gov.au

Mon, Sep 20, 2021 at 8:32 AM

To Whom it May concern,

As per the SSDA Conditions for Coffs Harbour Hospital Expansion Project, Green Travel Plan (GTP) is required to be prepared and provided to the Local Council for review as per the Consultation Process.

Please see attached GTP for your review. Let me know if you have any comments.

Appreciate your advice in return for ETA of council to be completed.

Should you have any questions, please do not hesitate to contact me.

Regards

[Quoted text hidden]

 **CHHC Green Travel Plan_July 2021 (1).pdf**
2146K

Ahmed Jaradat (AU) <ahmed.jaradat@pwc.com>

Coffs Hospital - Green Travel Plan

Ahmed Jaradat (AU) <ahmed.jaradat@pwc.com>

Mon, Sep 20, 2021 at 6:17 AM

To: Joshua.Roberts@chcc.nsw.gov.au

Cc: "Sherrie Cowie (Health Infrastructure)" <Sherrie.Cowie@health.nsw.gov.au>

Hi Joshua,

Hope this email finds you well.

As per SSDA conditions, Green Travel Plan (GTP) is required to be prepared and provided to the local council for review as per the Consultation Process.

Please see attached GTP copy for your review. Let me know if you have any comments,

Appreciate your advice in return for the ETA of council review to be completed.

Should you have any questions, please do not hesitate to contact me.

Thanks

Ahmed

Ahmed Jaradat

PwC | Senior Manager

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www.pwc.com.au[LinkedIn URL](#)**CHHC Green Travel Plan_July 2021 (1).pdf**

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