

Transgrid Powering Sydney's Future PO Box A1000 Sydney South, NSW, 1235

29/04/2021

Powering Sydney's Future (SSI-8583) Variation to approved construction hours Sydenham Rd, including Neville St and Centennial St, Marrickville

I refer to the request (SSI-8583-PA-55) which was submitted on 21 April 2021 for the Planning Secretary's approval of out of hours works for the Powering Sydney's Future project (SSI-8583).

Condition E8(e)(ii) of the project approval enables an approval process where high risk activities may be approved outside the hours identified in Conditions E4 and E5. The approval process is documented in the *Out of Hours Works Protocol* included as Appendix D to the *Construction Noise and Vibration Management Plan* (Revision 4, 13/08/2020; approved 21/08/2020).

The Department has carefully reviewed the request and notes the following:

- Your request was first approved by the Planning Secretary in January 2021 (SSI-8583-PA-41; SSI-8583-PA-45). This approval allowed for 34 nights of work (8pm to 5am) for up to four nights per week between 22 January and 30 April 2021. Only two nights of work were carried out under this approval. Your current request seeks to extend the approval until 30 July 2021 and reduce the number of nights from 34 to 18.
- Noise and vibration mitigation measures proposed include:
 - o Installing noise barriers around high impact works, where safe
 - o Providing one respite hour for every three hours of continuous high impact works
 - o Offering respite offers, for example movie tickets, on a case-by-case basis
 - o Carrying out noise and vibration verification monitoring
 - Doing door knocks immediately adjacent to the works, COVID permitting
 - o Holding individual community briefings, COVID permitting
 - Delivering letters notifying of work activities 7 days before.

Accordingly, the Planning Secretary has approved the request subject to the following:

- 1. Works must be undertaken in accordance with the *Out of Hours Works Construction Noise* and *Vibration Impact Statement* (VMS Australia, 3 September 2020), including but not limited to implementing all noise management controls described in Section 9, and the *Out of Hours Works Permit 008* (Taihan Garde, Rev 2, 16/04/2021), unless otherwise varied by the conditions below:
- 2. Works must not be undertaken outside the hours identified in Conditions E4 and E5 of the conditions of approval except for the works detailed below:
 - a. works between 2000 and 0500 for up four nights per week and up to 18 nights total.
- 3. Written notice must be provided to surrounding residential occupiers and placed on site at least 48 hours before work occurs outside the standard construction hours defined in the project approval. The written notice must:
 - a. identify what works are to occur outside standard construction hours;
 - b. nominate the timeframe the works are likely to occur;

- c. be reissued 24 hours before any work occurs outside normal construction hours if wet weather requires an alternative day from that notified; and
- d. provide a telephone contact number of the construction site manager during the extended construction hours.
- 4. A record of any complaint made regarding works undertaken during the extended construction hours must be provided to the Department's Compliance team within 24 hours of the complaint.
- 5. In the event that any complaint is received, appropriate mitigation measures are to be implemented, and the Department and the complainant are to be informed of the actions undertaken to address the complaint.

Yours sincerely

Team Leader Compliance - Government Projects Compliance

As nominee of the Planning Secretary



PSF OUT-OF-HOURS WORK PERMIT

(For works conducted under DPIE approval)

Permit No.	008		Application Date	09/12/2020	
Revision No.	02		Revision Date	16/04/2021	
Summary of Update (details	0	Initial application to allow	works outside standard	d construction hours	
of revision)	1	Revised to incorporate DPI	PIE comments		
	2	Revised to extend date ran	ige		
Title of Works	Sydenham Road trenching and conduit installation				
Person Requesting OOHW					

1.0 - JUSTIFICATION	
Justification for OOHW	Road Occupancy Licence (ROL) prevents works from occurring within standard construction
	hours.
DPIE Condition under which works are permitted	Include additional details if required
·	The work is permitted under the following clause of DPIE Condition of Approval:
	E4 (c): Linear infrastructure – Works in classified road reserves and signalised intersections.
	E6 (c): works approved under an Out-of-Hours Work Protocol.

2.0 – DESC	2.0 – DESCRIPTION OF THE WORKS				
Details of	Location &	CH15075 Centennial St to CH15200 on Neville St, along Sydenham Road.			
Work	Chainage				
WOIK	Description	Trenching, conduit installation and road restoration.			
⊠ Map	of works				
attached	Proposed	Start: 22/01/2021 @ 20:00 Finish: 30/04/2021 @ 05:00 – up to 34 shifts in this period*			
at end of form	dates + time (incl	Start: 30/04/2021 @ 20:00 Finish: 30/07/2021 @ 05:00 – up to 18 shifts*			
	contingency)	*This includes contingency.			

OOHW PERMIT



2.0 – DESCI	2.0 – DESCRIPTION OF THE WORKS								
(showing location / work	Proposed Timings	e.g. I	Max four nights co	nsecutive per week	during the pi	roposed dates	from 20:	00 to 05.	00.
extent / nearest		eg	Night 1	Night 2	Night 3	Night 4	Night 5	Night 6	Night 7
sensitive receivers /		1	High impact	High impact	Moderate	Moderate	Respite	Respite	Respite
landscape)			noise.	noise.	impact	impact			
. ,					noise.	noise.			
			Saw cutting	Saw cutting					
			Concrete/asphalt	Concrete/asphalt	Excavation	Excavation			
			breakout	breakout	Conduit	Conduit			
			Excavation to	Excavation	install	install			
			carry out	Conduit install	TSB backfill	TSB backfill			
			investigations.						
			Temp	Temp					
			restorations	restorations					
			(Plates if	(Plates if	Temp	Temp			
			required)	required)	restorations	restorations			
					(Plates if	(Plates if			
					required)	required)			
construction		N/A			1	1			1
being under adjacent / ir	taken OOWH								
•	proximity to the								
proposed works?									
Names of Foremen TBC supervising the work									
Subcontract		Gard	e Services						
		Durk	in Locators						

3.0 – SENSITIVE RECEIVERS					
Distance to Nearest Sensitive	Sensitive Receiver	Distance	Sensitive Receiver	Distance	
Noise Receiver	☐ Place of Worship		☐ Educational		
			Institution (inc. Child		
			Care Centres		
	☐ N+V Sensitive Business			8m	
	and critical working area		Residential Receiver		
	(eg. theatre, health services)				
	☐ Not applicable (no				
	sensitive receivers				
	impacted)				
	Where one of the above is checked, noise generating works must not be timetabled within sensitive periods, unless otherwise agreed with the affected receiver. This must be determined through ongoing consultation with the community in accordance with the				
	Community Consultation Strat		, ,		

OOHW PERMIT

Permit No. 008 Rev 2



remit No. 000 Nev 2					
3.0 – SENSITIVE RECEIVERS					
	Has the sensitive receiver been consulted on these works and proposed respite options? (refer to CoA E9). List outcomes of consultation below ☐ Yes ☐ No				
	Comments				
	Refer Section 7 below and attached community consultation documentation				
	Two rounds of community consultation have been conducted via notification distribution and doorknocking to inform this permit application. See attached. Further community notifications will be distributed 7 days ahead of works commencing. Individual briefings will be conducted for those requesting them or deemed highly sensitive by the Community Relations Manager. Project specific respite offers, for example movie tickets, may be offered to members of the community subjected to lengthy periods of noise or vibration. This will be determined on a case-by-case basis.				
4.0 – PLANT & EQUIPMENT					
Plant and equipment to be	13t Excavator & hammer				
used:	St excavator				
List all plant and noise generating equipment to be	Truck & dogs				
used during the work					
activities (eg. hand tools, generators,	8-wheeler bogie Concrete agitators				
crane etc)	Compaction equipment (Whackers, plate compactors)				
	Smooth drum roller				
	Light vehicles				
Are alternative, quieter / less	☐ Yes				
vibration intensive	⊠ No				
equipment options feasible for the activity?					
If you why are those not					
If yes, why are these not being used?					
5.0 – TRAFFIC MANAGEMEN	T				
Will the work require traffic control?	⊠ Yes				
	□ No				
Describe the location and nature of proposed	During trenching works, traffic will be maintained but diverted around the work site on				
disruption to traffic.	Sydenham Road in contraflow. Traffic on side streets will be maintained via diversion.				
List any ROLs for the works	Not yet issued by TMC.				
6.0 – LIGHTING					
	Deutschaus				
What lighting is to be provided for night work?	Daymakers Ralloon lights				
Will lighting be positioned	Balloon lights				
Will lighting be positioned minimise light spill to nearby	⊠ Yes				
receivers?(Refer AS4282- 1997 and AS/NZ 1158).	□ No				



7.0 – NOISE & VIBRATION AS	SSESSMENT						
Reference:	NCA:	05					
NMC Noise Objective	Type of	Trenching			-		
Noise Management Level	оонw:	and					
(NML) Sleep Disturbance Level		conduit					
(night only)		installation					
Predicted L _{max} /L _{A1}							
	NML:	45			-		
	SDL:	65			-		
	Predicted:	85			-		
Acoustic Assessment to	□ • Belov	□ ● Below NML					
determine if works are above RBL +5dB(A) at closest	□ ○ <5dE	(A) above NM	IL – constru	ction noise notice	eable		
receiver	□ ♦ 5 to	15dB(A) above	NML – cor	nstruction noise cl	early audible		
	☐ ■ >15 to 25dB(A) above NML – construction noise moderately intrusive						
	□ >25dB(A) above NML – construction noise highly intrusive						
What measures are being	□ No added measures						
taken to reduce noise impacts	☐ Restrictive tools (list)						
Impacts	⊠ Balloon lights						
	Noise attenuation curtains ■ Noise attenuation curtai						
	│ │ ☑ High noise	impact respit	e				
	_			Itation on respite			
Noise monitoring required?					the first two shifts		
•	□ No		J				
	Nominated V	erification mo	nitoring loc	ation:			
	Worksite	NCA		Nominated rec	eiver]	
	Sydenham R	oad NCA5	;	254 Sydenham Ro	pad (perimeter)		
Are vibration impacts above	⊠ Yes		If yes,	state number of	properties expected to be im	 pacted?	
Human Comfort levels	□ No						
expected?	Refer to OOH CNVIS Table 5			f properties: Bar	ely noticeable – 10		
	Noticeable - 39						
Is vibration monitoring	☐ Yes – Compliance monitoring to be carried out within the first two shifts.						
required?	□ No						
Refer to CNVMP/Monitoring	Nominated V	erification mo	nitoring loc	ation:			
Programme	Worksite	NCA		Nominated receiver			
	Sydenham R	oad NCA5)	254 Sydenham Road (perimeter)			
						J	



7.0 – NOISE & VIBRATION	ASSESSMENT
Community notification required?	Yes. Community notifications will be undertaken as per the approved Community Communication Strategy (CCS), including; Consultation on preferred respite option Letters notifying of work activities to be delivered 7 days before. A door knock will be done for the sensitive receivers immediately adjacent to the works as per CNVMP.
Evidence of consultation and results	Consultation documentation submitted with this application. Summary of Results: 107 receivers consulted on preferred respite. 19 responses received. Of those expressing a preference, 59% favoured option 1, four consecutive nights per week, with three respite nights.

8.0 - OOHW RISK LEVEL ASSESSMENT Insert snip from Risk Overall Risk Assessment Sum of Risk Factor Scores Approval Path Level calculation sheet Low 1 Risk Activity Environment and Sustainability Manager and attach worksheet Environment and Sustainability Manager separately Planning Secretary Low Risk (1-6) Your total Risk score is: Moderate (7-9) High (10-12) 12 Low and Moderate risk work may be approved by the ESM. Risk level calculator worksheet attached with application. High risk work must be Work to be approved by Planning Secretary as per CoA E8(e). approved by the **Planning Secretary.**



9.0 AUTHORISATION/SITE ACCEPTANCE

9.1 Environment & Sustainability Manager (Approval)

Approval Authority for works with Low or Medium Risk level on OOHW Risk Table as per section 8.0

I confirm these works have been appropriately assessed under the OOHW Protocol as per CoA E8 and E9.

The specified mitigation and management measures shall be implemented including:

No more than four consecutive nights of OOHW per week

Noise and vibration verification monitoring.

Installation of noise barriers around high impact works.

Respite 1hr for every 3hr of high impact noise.

No high impact work after midnight where practicable.

Selection of appropriate plant and equipment.

Individual community briefings ahead of works commencing, and during works, as required.

Project specific respite offers may be made for residents impacted by lengthy periods of works. To be determined on a case-by-case basis.

Filare					
	ame Example 1	Signature	Fritare	Date	16/04/2021
Signature	.2 Planning Secretary (Appr	oval)			
Signature Date	EQUIRED				
	ame	Signature		Date	
	ame	Signature		Date	

9.3 Construction Supervisor/Project Manager (Site Acceptance)

I confirm the following:

- OOH permit will be kept on site where work is occurring
- Respite and mitigation measures will be implemented
- Any changes to works which may affect this approval shall be communicated to the Environment and Community Manager

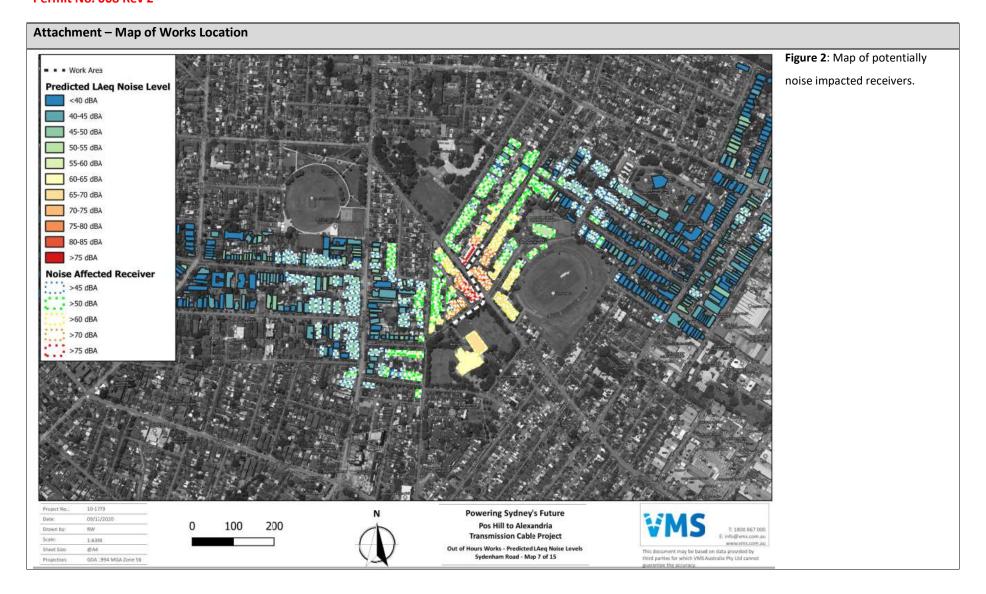
Name	Signature	Deato	Date	16/04/2021



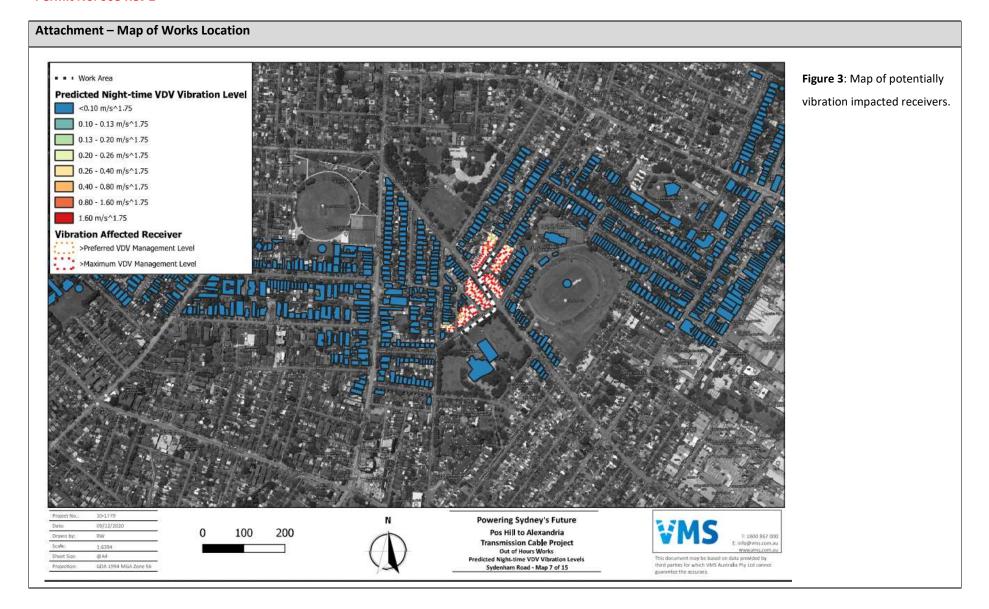


Figure 1: Map of works location









Out of Hours Work

Activity Works	Activity / Impact	Time
Linear Infrastructure - Site preparation, trenching, excavation, joint bays, restoration of road services, other \Box	Delivery and Police	Monday - Friday 7am - 6pm □
Substation Upgrade Works □	Hmarganey	Monday - Friday 6pm - 7am ☑
Linear Infrastructure - Works in Classified Road Reserves and Signalised intersections, cable pulling and jointing ✓	Approved under Existing OOHW protocol □	Saturday 8am - 1pm □
Special crossings - Cable bridges and underboring	> 75dBA COA E5 🔽	Saturday 1pm - 8am □
Construction Laydown Area	>RBL + 5dBA □	Sundays and Public Holidays
	<=45 NML	
	> 45 NML \(\square\)	
	Vibration perceptible inside Residence □	

OOHW Protocol is Triggered!!!

Reciever type	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Notes
Childcare	O Low (1)	O Low (1)	O Low (1)	Not Operating during OOH
Commercial	O Low (1)	O Low (1)	O Low (1)	Sensitivity of Premises to be confirmed through consultation
Industrial	O Low (1)	O Low (1)	O Low (1)	Sensitivity of Premises to be confirmed through consultation
Educational	O Low (1)	O Low (1)	O Low (1)	Not operating during OOH
Hotel	O Low (1)	O Low (1)	O Mod (2)	Sensitivity of Premises to be confirmed through consultation
Medical	O Low (1)	O Low (1)	O Low (1)	Sensitivity of Premises to be confirmed through consultation
Place of Worship	O Mod (2)	O Mod (2)	O Low (1)	Sensitivity of Premises to be confirmed through consultation
Recording Studio	O Mod (2)	O Mod (2)	O Low (1)	Sensitive periods during operational periods as agreed with facility through consultation
Recreation (active)	O Low (1)	O Low (1)	O Low (1)	Sensitive periods during normal periods of use and review of special events calendar

Recreation (Passive)	O Mod (2)	O Low (1)		Sensitive periods during normal periods of use and review of special events calendar
Residential	O Low (1)	O Mod (2)	• High (3)	Risk subject to complaints management. Respite periods to be consulted for Highly Noise Intensive Works
Restaurant (Outdoor Dining)	O Mod (2)	O Mod (2)	$I \cup M \cap d \cap J \cup I$	Sensitivity of premises to be confirmed through consultation

Exceedance of NML	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Qualitative Description
<5dB	O Low (1)	O Low (1)	O Low (1)	Barely noticeable exceedance of the NML
5 - 15 dB	O Low (1)	O Low (1)	O Mod (2)	Noticeably audible exceedance of the NML
15 - 25 dB	O Low (1)	O Mod (2)		Clearly audible exceedance of the NML
>25 dB	O Mod (2)	O High (3)	$H \cup H_1 \cap H_1 \cap H_2 \cap $	Intrusive exceedance of the NML
>75 dBa	O Mod (2)	O High (3)	• High (3)	Highly affected recievers

Vibration Assessment in Residential Areas (click here if Not Applicable) ○	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Qualitative Description
Less than Preferred	O Low (1)	O Low (1)	1 () 1 Oxxz (1) 1	No noticeable floor vibration
Greater than Preferred, but Less than Maximum	O Low (1)	O Mod (2)		Barely noticeable floor vibration
Greater than Maximum	O Low (1)	O Mod (2)	$I() \coprod_{1} \alpha h(3) = I$	Noticeable floor vibration

Duration	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Nicht OOHW 10pm - 7am	Qualitative Description
1 day	O Low (1)	O Low (1)	O Low (1)	Generally Tolerable
2 days	O Low (1)	O Mod (2)	O Mod (2)	Marginal Annoyance
3 days	O Low (1)	O Mod (2)	$\parallel () \mid H_1 \sigma h \mid (3) \mid $	Moderate Annoyance
More than 3 days	O Low (1)	O High (3)	• High (3)	Highly Disturbing

Get Risk Score

Overall Risk Assessment	Sum of Risk Factor Scores	Approval Path	
Low 1 Risk Activity	1 - 6	Environment and Sustainability Manager	
Moderate 2 Risk Activity	7 - 9	Environment and Sustainability Manager	
High Risk Activity	10 - 12	Planning Secretary	

Your total Risk score is:

12

Powering Sydney's Future

POTTS HILL TO ALEXANDRIA TRANSMISSION CABLE PROJECT COMMUNITY CONSULTATION

Out-of-hours work at Sydenham Road, Marrickville

TransGrid is installing a new underground electricity cable from Potts Hill to Alexandria. The Powering Sydney's Future project will help ensure a safe, reliable and affordable electricity supply for Sydney's CBD and surrounding areas. You can view a map of the cable route at www.transgrid.com.au/psf.

At **Sydenham Road**, **Centennial and Neville Streets** (intersections with Sydenham Road) we will need to work outside standard construction hours due to high daytime traffic volumes. These works will generate noise. The loudest activities will be saw cutting and hammering, followed by trenching, road restoration and tree trimming.

Out-of-hours work in this location is due to start in January 2021 and will require around 34 shifts.

How will the work affect you?

- > Out-of-hours work shifts are typically carried out between **7pm and 7am**, **Monday to Sunday night**, however, continuous weekend works may be required from **6pm on Friday through to Monday 6am**.
- > There will be around 34 shifts of out-of-hours construction work in total.
- > Highly noise intensive work will be done for three hours at a time, followed by one hour of respite.
- > We aim to do high impact noise activities before midnight wherever possible.
- > High impact noise typically occurs at the start and end of shifts, as we open up road pavement and then repair it.
- > Access to properties will be maintained at all times, unless we make alternative arrangements with you in advance.

Tell us your views

We would like your views on two different ways this work could be done:

- Option 1 Four consecutive nights per week over 8-9 weeks, or
- Option 2 Six consecutive nights per week over 6-7 weeks.

Please refer to the attached noise chart for typical noise levels from this type of work.

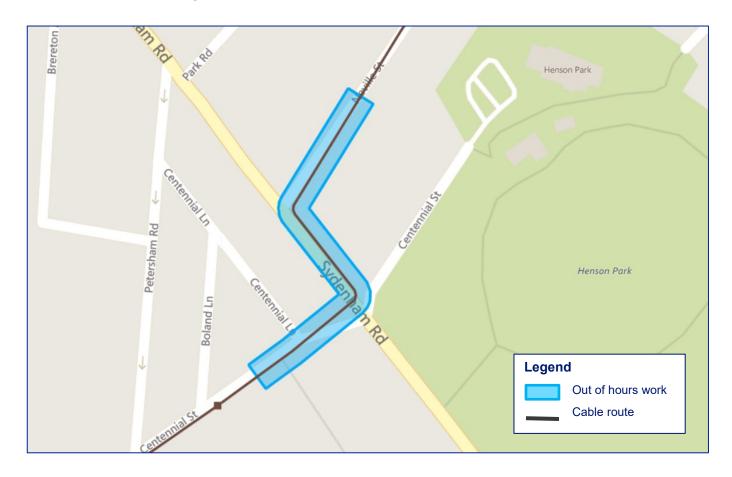
You are welcome to let the Powering Sydney's Future project team know which option you prefer by contacting us on 1800 955 588 or at psf@transgrid.com.au before Wednesday, 02 December 2020.

Please write Sydenham Road in the subject line of your email to identify the major road.





Out-of-hours work map



Noisy activities	Tools and	Approximately 34 shifts over the period below			
	equipment	January	February	March	
Saw cutting and hammering, trenching, road restoration and tree trimming	Powered saw, excavator hammer and bucket, hand operated compactor and small roller, chainsaws	√	✓	✓	

COVID-19 Safety protocols

The health and safety of our people, customers and the community and ensuring a reliable supply of electricity to NSW and the ACT are our highest priorities during the COVID-19 crisis.

TransGrid and our contractors, as a minimum, adhere to the recommendations of SafeWork NSW along with the advice of other state and federal authorities to effectively manage the risk of COVID-19 to workers and others in the work environment. This involves maintaining effective controls including social distancing, stringent hygiene and specific access protocols at our work sites.



For an interpreter please call **131 450** and ask them to call TransGrid on **1800 955 588**. The interpreter will then assist you with translation.

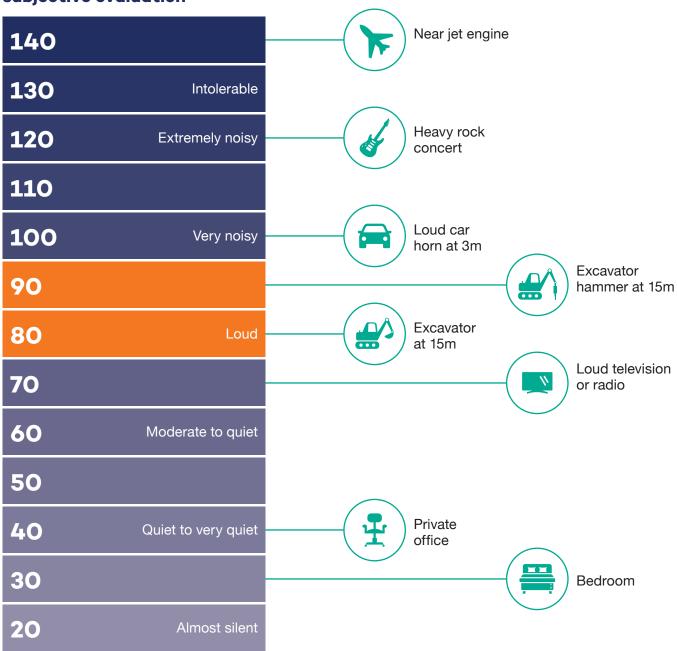
Noise level comparisons

People's perceptions of noise is strongly influenced by their environment.

A noise level that is perceived as loud in one situation may appear quiet in another.



dBA levels and subjective evaluation





PSF OUT-OF-HOURS WORK RESPITE CONSULTATION

Report	OOH Consultation for works at Sydenham Road				
Objective:	Obtain feedback on preferred respite when working outside standard				
	construction hours at Sydenh	am Road, Ce	ntennial S	treet and Neville	
	Street (intersections with Sydenham Road) for up to 34 shifts.				
ITI	EM	#	%		
Total of properties near to th	e works 55DBA	107		100%	
Properties that received notif	ication with OOH	107		100%	
Consultation					
Properties with feedback afte	er the notification	2		1.8%	
	Additional Activities	5.			
Doorknock or phone properti obtain the feedback	27	25.2%			
Total of properties with feedl	17		15.8%		
Total of properties without fe	10		9.3%		
	Results				
Total of feedbacks		19		100%	
Option 1: The work will be do	ne over 4 consecutive night	10	52.6%	59% of those with	
shifts with respite on 3 nights	s. This option means we may			a preference	
be working near the property	for over 8-9 weeks.				
Option 2: The work will be do	7	36.8%	41% of those with		
shifts with respite on 1 night.			a preference		
completion of the work in 6-7					
The resident has informed th	1		5.3%		
not have a preference regarding night work plans.					
Declined to participate.		1		5.3%	

MAP OF THE AREA.





Results:

Property address	55dBA	75dBA	First Attempt	Second Attempt
	<u>į</u>	į		
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