



<b>Project</b>	Power Enabling Works, 33kV Rozelle	<b>Report No.</b>	055	<b>Date Collected</b>	30/06/2022	<b>Time Collected</b>	21:05-01:53
<b>Data &amp; Report By:</b>	D. Mutkins	<b>Works</b>	Cable Pulling 33kV		<b>Purpose of Data Collection</b>	Ongoing monitoring / model validation	
<b>Location of construction activity (see Attachment)</b>				<b>Monitoring locations</b>			
				<ol style="list-style-type: none"> <li>1. Robert Street</li> <li>2. 18 Waterloo Street</li> <li>3. 34 Waterloo Street</li> </ol>			
<b>Observed construction activity</b>							
Cable Pull from Waterloo Joint Bay to Mansfield Joint Bay				 			
<b>Meteorological conditions</b>							
<b>Wind</b>	Strong SW						
<b>Temperature (°C)</b>	9	<b>Cloud Cover:</b>	Cloudy				
<b>Instrumentation details</b>	Rion NL-42 - Sound Level Meter	<b>Calibration valid until</b>	March 2023				
<b>Instrumentation and method</b>							
<p>Monitoring was performed with sound level meter Rion NL-42 fixed to a tripod at a height of approx. 1.5m above the ground surface. The sound level meter was pre calibrated with a valid certificate until March 2023. A field calibrator was also used prior to taking the first recording and after the monitoring session to ensure device was within required range. Monitoring was conducted over multiple 15-minute periods in three locations. LAeq, LA90 and LAmx parameters were recorded in all cases.</p> <p>Monitoring locations were selected to represent nearest affected receivers. See attachment monitoring locations.</p>							

Results						
Particulars			Actual Recording(s)			KNOWnoise Prediction(s)
Location	Time	Observations	LAeq	LA90	LAmix	LAeq
1	21:06-21:21	Robert Street saw cutting, removing asphalt to begin trenching. Cutting completed early in the shift. 20m cut up and back shielded by industrial buildings. Monitoring taken down past industrial buildings towards the east. LAeq 66dBA, with an LAmix of 79dBA when saw is pulled above the ground.	66	53	79	N/A
2	22:14-22:29	Day maker behind noise mats. Cable trailer not operating, daymaker generator recorded at LAeq 57dBA. Vehicles frequently passing by the monitoring device producing an LAmix value of 74dBA	57	56	74	62
3	01:37-01:52	Cable trailer on idle preparing for initial pull. Noting that there was an issue with the winch rope and the trailer never went into full gear to turn the cable drum. LAeq 58dBA, LAmix when trailer is turned on 68dBA.	58	45	68	61
Result Summary						
<p>Monitoring conducted to capture the OOHW cable pull from Waterloo Street Joint Bay to Mansfield Street Joint Bay. Some issues presented and the cable was unable to be successfully pulled, therefore the data captured is not entirely representative of this work activity. Some short saw cutting was also capture on Robert Street as the work crew begins to progress for the final trenching along the alignment. Monitoring will continue during the OOHW this week to ensure adequate data is recorded for the work activity.</p>						

## Attachment 1 Monitoring Locations

