

OPERATIONAL NOISE STUDY

ROCKINGHAM DATA CENTER PROJECT

Terra Nexus at Rockingham

PREPARED BY:



860 Hampshire Road, Suite P
Westlake Village, CA 91361
www.meridianconsultantsllc.com

MARCH 2026

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A. EXECUTIVE SUMMARY

This *Noise Study* evaluates the potential operational noise impacts associated with the proposed data center development located at Rockingham, North Carolina. The project includes four (4) data center buildings, outdoor storage areas, and an on-site electrical substation. The one-story buildings would range 155,875 square feet in size and would operate continuously with cooling equipment and emergency generators supporting the data hall infrastructure.

Key operational noise sources include rooftop air-cooled chillers that run at all hours and generators that would operate only during periodic testing or emergency events. Deliveries to the site would be minimal and limited to smaller vehicles, with tractor trailers visiting only for generator replacement.

Due to the absence of numerical noise standards in the City's municipal code, this study references noise guidance developed by the Federal Energy Regulatory Commission (FERC). Although the proposed project is not subject to FERC jurisdiction, these guidelines are widely used in environmental noise assessments for energy infrastructure and stationary industrial facilities.

Noise modeling shows that project operations would remain below the FERC standard of 55 decibels (dBA) Ldn at all evaluated receptor locations. The noise contours provided in this study illustrate that sound levels from the combined operational sources decrease to below the applicable thresholds well before reaching nearby residential properties.

Based on this comparison, the project would not result in significant operational noise impacts.

B. PROJECT DESCRIPTION

The proposed project is located in the City of Rockingham (refer to **Figure 1: Project Site Location**). The project includes construction and operation of four 1-story data center buildings, associated equipment yards, and a proposed on-site electrical substation (refer to **Figure 2: Proposed Concept Plan**). Each data center building would have a building area of approximately 155,875 square feet.

The project site would include outdoor equipment yards that support building operations, along with a proposed substation area encompassing approximately 16 acres. The substation would provide electrical service to the data center campus and support continuous facility operations.

The facilities would operate 24 hours per day. Staffing levels are expected to be limited and distributed across multiple shifts typical of large data center operations.

Cooling for the data halls would be provided by rooftop air-cooled chillers. Each building would include 48 chillers that support the mechanical cooling system serving the server infrastructure within the facility. These systems would operate continuously in order to maintain appropriate operating temperatures for computing equipment.

Emergency backup power would be provided by on-site diesel generators. Each building would include 48 generators that would operate periodically for maintenance and testing and during emergency power outages.

Operational traffic associated with the project would be minimal. Typical activity would include employee vehicles and occasional service or maintenance vehicles delivering replacement parts, equipment, and office supplies. Heavy truck activity would be infrequent and primarily associated with equipment delivery or generator replacement events. No outdoor loading docks or other high intensity outdoor operational activities are proposed.



FIGURE 1

C. EXISTING CONDITIONS

The project site is currently vacant and located within an area zoned High Density Residential (R-7). The proposed project includes a rezoning of the property to Conditional Light Industrial (I-1 CZ) to accommodate the planned data center development. The site is situated within the City of Rockingham.

Land uses in the surrounding area consist of a mix of scattered residential development and utility related facilities. The Rockingham Waste Water Treatment Plant is located in the vicinity of the project site and represents an existing industrial type use that contributes to the local acoustic environment.

The project site is also located just north of U.S. Highway 74 and west of U.S. Highway 1. Traffic along these regional transportation corridors represents a primary source of ambient noise in the project vicinity. Vehicle pass-bys, heavy truck traffic, and general roadway activity generate intermittent and continuous sound that influence the existing background noise environment.

Additional sources of ambient noise in the area may include mechanical equipment associated with nearby utility facilities, local vehicle traffic on surrounding roadways, and occasional service or maintenance activities associated with nearby land uses. These sources contribute to fluctuating ambient sound levels typical of areas influenced by both transportation infrastructure and utility or industrial operations.

Overall, the existing noise environment in the project vicinity is characterized by transportation related noise from nearby highways, intermittent activity from surrounding land uses, and mechanical equipment associated with nearby infrastructure. These conditions form the baseline acoustic environment against which potential noise generated by operation of the proposed data center facilities is evaluated.

For purposes of this analysis, the following sensitive receptors were identified:

- **Receptor #1 (R1):** Scattered residential uses located along Southwood Drive.
- **Receptor #2 (R2):** Scattered residential uses located along Liberty Street.
- **Receptor #3 (R3):** Scattered residential uses located along Springdale Drive.
- **Receptor #4 (R4):** Scattered residential uses located along Farmstead Court.

D. APPLICABLE REGULATIONS

Noise within the City of Rockingham is regulated under the City's municipal code. Section 92.05, Loud or Disturbing Noises Prohibited, establishes that it is unlawful for any person to create or permit "unreasonably loud, disturbing, and unnecessary noise" that interferes with the peace, comfort, or welfare of others. The ordinance identifies several examples of prohibited noise sources, including improperly muffled engines, excessive vehicle noise, and operation of mechanical devices that produce loud or disturbing sounds.

The City's ordinance relies on a nuisance based framework rather than establishing specific exterior sound level limits expressed in A-weighted decibels (dBA). As a result, the municipal code does not provide objective numeric thresholds that can be directly applied to predicted noise levels from stationary sources such as mechanical equipment, generators, or industrial facilities.

Due to the absence of numerical noise standards in the City's municipal code, this study references noise guidance developed by the Federal Energy Regulatory Commission (FERC). Although the proposed project is not subject to FERC jurisdiction, these guidelines are widely used in environmental noise assessments for energy infrastructure and stationary industrial facilities.

FERC recommends that operational noise generated by facilities such as compressor stations, substations, and power generation facilities should not exceed 55 dBA Ldn at the nearest noise sensitive area, including residences, schools, hospitals, or parks. The Ldn (day-night average sound level) represents the average sound level over a 24-hour period and includes a 10 dBA penalty applied to nighttime noise occurring between 10:00 p.m. and 7:00 a.m. to account for increased sensitivity to noise during nighttime hours.

For the purposes of this study, predicted operational noise levels from the proposed data center buildings, including generators, chillers, and associated equipment yards, are evaluated relative to the 55 dBA Ldn criterion at nearby residential land uses.

E. METHODOLOGY

Operational noise levels generated by the substation, generators, and chillers were calculated with the noise model SoundPLAN, a commercially available software that models and simulates noise propagation from multiple point, line, and area sources. SoundPLAN allows for detailed consideration of terrain, elevation differences, and the acoustic effects of topography, structures, and vegetative barriers that may obstruct the line of sight between on-site sources and nearby sensitive receptors.

The modeling inputs included source-specific assumptions based on manufacturer-provided sound power levels (LwA), conservative operational scenarios, and spatial placement reflecting anticipated facility layout. One (1) generator is assumed to operate simultaneously at each equipment yard, which provides a reasonable worst-case scenario for assessing hourly steady-state noise exposure.

Additionally, the cooling systems are assumed to operate continuously, consistent with the cooling loads typical for data center operations. The substation transformers are modeled as continuously energized equipment operating under steady load conditions. The analysis reflects full-load operation during the daytime and nighttime hours. The following assumptions were applied:

- **Substation:** Modeled as area sources, representing major electrical components expected to be included in the final design. These components include transformers, switchgear, and cooling systems, which typically operate continuously and generate steady-state mechanical and electrical noise. For modeling purposes:
 - A LwA of 95 dBA (Lw/unit) was assumed, based on industry-standard data for medium- to large-scale power transformers under full load conditions.
 - As no finalized substation layout is currently available, assumptions regarding equipment type, location, and orientation were based on standard substation configurations and conservative design parameters.
 - All substation components were assumed to operate continuously over a 24-hour period, reflecting typical load demand and power transmission functions.
 - Potential shielding provided by substation walls, berms, or equipment enclosures was not assumed in the base model but may be incorporated into alternative scenarios when detailed design information becomes available.
- **Generator:** Modeled as point sources, the emergency generators are intended to provide start capability in the event of a power grid failure. These units are not used for routine power generation and are assumed to operate only during power grid outages or limited periods of scheduled testing. A conservative operational scenario was applied to assess potential worst-case noise conditions. For modeling purposes:
 - A LwA of 120.6 dBA (Lw/unit) was assumed, based on industry standard specifications.
 - Conservatively, shielding effects from silencers, enclosure walls or barriers were not applied in the base scenario. Based on manufacturer specifications, silencers can reduce noise levels by approximately 40 dBA.

- **Coolers:** Modeled as discrete point sources on the roof of the proposed data center buildings, representing air-cooled chiller units used for process cooling. These systems typically consist of axial fans and radiator assemblies operating continuously under normal data center load conditions. Two building configurations were evaluated. Each data center building was assumed to include 48 air-cooled chillers. For modeling purposes:
 - A LwA of 71 dBA (Lw/unit) was assumed, based on Air-Conditioning, Heating, and Refrigeration Institute standard (AHRI 370).
 - Shielding effects from enclosure walls or barriers were not applied in the base scenario.

F. IMPACT ANALYSIS

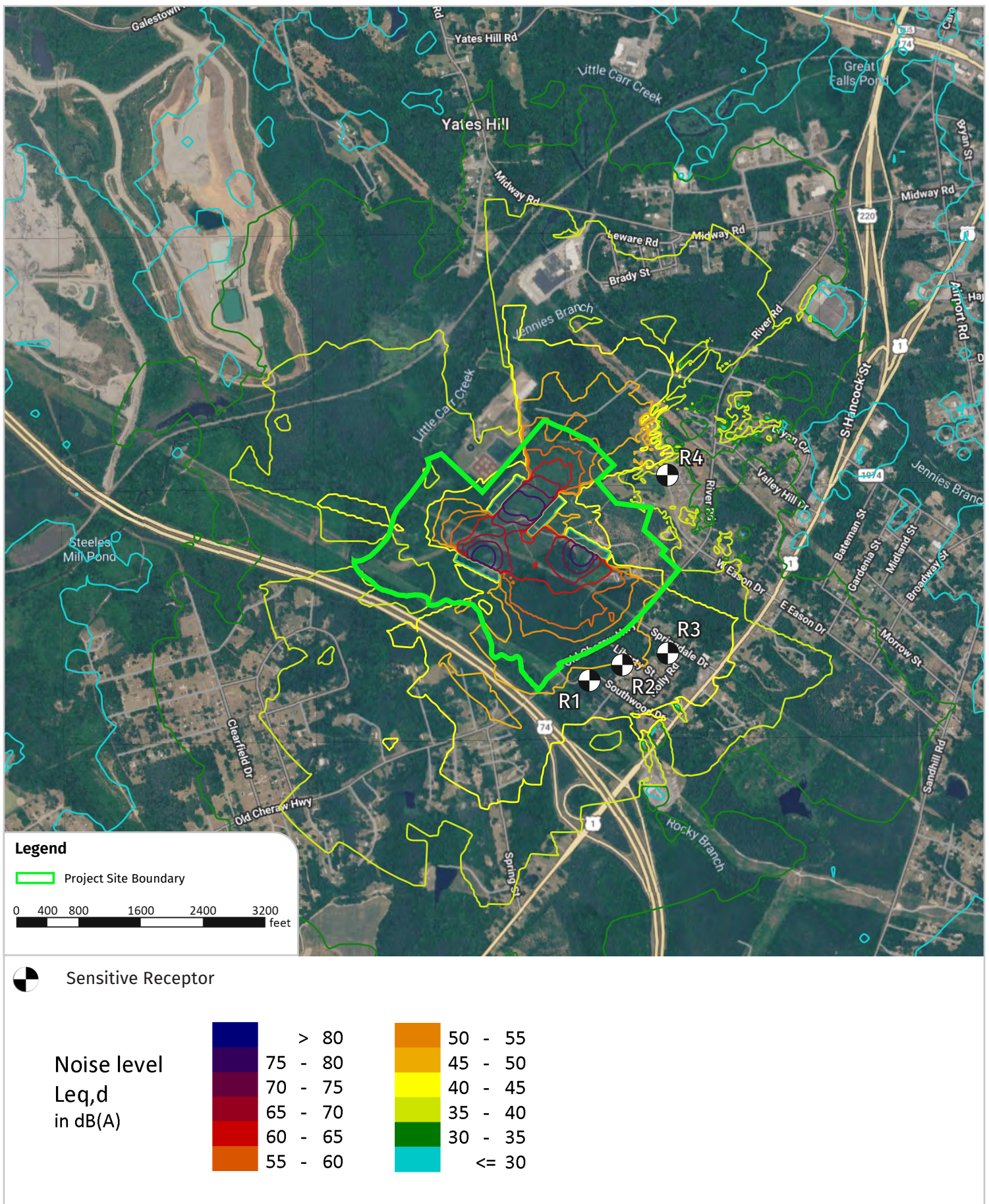
For purposes of this analysis, operational noise generated by the proposed project is evaluated relative to guidance developed by the FERC, which recommends that operational noise from energy and industrial facilities should not exceed 55 dBA Ldn at the nearest noise sensitive area, such as residential land uses. Accordingly, a significant noise impact would occur if project generated operational noise exceeds 55 dBA Ldn at nearby residential receptors.

As mentioned previously, the project site is currently vacant and is surrounded by scattered residential development and the nearby wastewater treatment facility, with regional transportation corridors located in the vicinity of the site. Source contributed noise levels associated with operation of the proposed data center buildings, including generators and rooftop chillers, are summarized in **Table 1: Modeled Exterior Noise Levels from Operational Sources**. For illustrative purposes, predicted operational noise levels are also shown graphically in **Figure 3: Operational Noise Level Contour Map**. **Table 1** compares the modeled exterior noise levels from project related noise sources to the 55 dBA Ldn criterion described above. As shown, predicted operational noise levels at the nearest residential receptors would not exceed the applicable 55 dBA Ldn standard.

It should be noted that the modeled operational noise levels do not account for potential attenuation from generator silencers, enclosure walls, architectural screening, or acoustical barriers that may be incorporated during final design. Based on typical manufacturer specifications, generator exhaust silencers alone can provide noise reductions on the order of approximately 40 dBA. Because these noise control features were not incorporated into the base modeling scenario, the predicted noise levels represent a conservative estimate of potential operational conditions. Actual operational noise levels are therefore expected to be lower once final equipment specifications and noise control measures are implemented. Accordingly, operational noise impacts associated with the proposed project would be less than significant.

TABLE 1: MODELED EXTERIOR NOISE LEVELS FROM OPERATIONAL SOURCES				
Monitoring Site	Time Period	Modeled Noise Levels	FERC Standard	Exceedance over Standard
		dBA		
R1	24-hour Ldn	47.5	55	No
R2	24-hour Ldn	48.4	55	No
R3	24-hour Ldn	47.1	55	No
R4	24-hour Ldn	38.3	55	No

Source: Refer to **Appendix 1.0** for SoundPLAN Output Sheets.



SOURCE: Meridian - 2026.

FIGURE 3

G. CERTIFICATION

I certify that this Noise Study was prepared by me or under my direct supervision and that the analysis presented herein represents my professional opinion regarding the existing noise environment and potential operational noise impacts associated with the proposed Terra Nexus Project.

The analysis was conducted using standard acoustical methods and is based on the best available information at the time of preparation.

I certify that the statements and conclusions presented in this report are true and correct to the best of my knowledge.

If you have any questions regarding this analysis, please contact me directly at (818) 415-7274 or at ckirikian@meridianconsultantsllc.com

Sincerely,



**Christ Kirikian, INCE Associate
Managing Consultant (OM)**

ckirikian@meridianconsultantsllc.com

APPENDIX1.0



SoundPLAN Output Sheets

Terra Nexus Rockingham

Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Receiver R1: Residential along Southwood Drive Fl G Ldn 47.5 dB(A) Leq,d 41.1 dB(A) Leq,n 41.1 dB(A)						
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.8	-7.3	-7.3	
Chillers	Default industrial noise	Point	-0.9	-7.3	-7.3	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.3	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.4	-6.9	-6.9	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.3	-6.2	-6.2	
Chillers	Default industrial noise	Point	0.2	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.8	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.6	-5.8	-5.8	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	0.4	-6.0	-6.0	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	1.1	-5.3	-5.3	
Chillers	Default industrial noise	Point	1.0	-5.4	-5.4	
Chillers	Default industrial noise	Point	0.9	-5.5	-5.5	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.5	-4.9	-4.9	
Chillers	Default industrial noise	Point	1.4	-5.0	-5.0	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.1	-4.3	-4.3	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	1.9	-4.5	-4.5	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.6	-3.8	-3.8	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	2.5	-3.9	-3.9	
Chillers	Default industrial noise	Point	2.4	-4.0	-4.0	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	-2.1	-8.5	-8.5	
Chillers	Default industrial noise	Point	-1.9	-8.4	-8.4	
Chillers	Default industrial noise	Point	-1.8	-8.2	-8.2	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-1.4	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.3	-7.7	-7.7	
Chillers	Default industrial noise	Point	-2.2	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.0	-8.5	-8.5	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.7	-8.1	-8.1	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.4	-7.8	-7.8	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.2	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.7	-8.1	-8.1	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-2.4	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.3	-8.8	-8.8	
Chillers	Default industrial noise	Point	-2.2	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.1	-8.5	-8.5	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-2.1	-8.5	-8.5	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.4	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.4	-8.8	-8.8	
Chillers	Default industrial noise	Point	-2.4	-8.8	-8.8	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.7	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.0	-9.4	-9.4	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-3.2	-9.6	-9.6	
Chillers	Default industrial noise	Point	-3.2	-9.6	-9.6	
Chillers	Default industrial noise	Point	-3.0	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.0	-9.4	-9.4	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	1.0	-5.4	-5.4	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.5	-6.0	-6.0	
Chillers	Default industrial noise	Point	0.6	-5.8	-5.8	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	1.0	-5.4	-5.4	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	0.4	-6.0	-6.0	
Chillers	Default industrial noise	Point	0.6	-5.8	-5.8	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	0.4	-6.0	-6.0	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	-0.3	-6.8	-6.8	
Chillers	Default industrial noise	Point	-1.4	-7.8	-7.8	
Chillers	Default industrial noise	Point	-1.8	-8.2	-8.2	
Chillers	Default industrial noise	Point	-1.4	-7.8	-7.8	
Chillers	Default industrial noise	Point	-1.4	-7.9	-7.9	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.7	-8.2	-8.2	
Chillers	Default industrial noise	Point	-2.1	-8.5	-8.5	
Chillers	Default industrial noise	Point	-2.5	-9.0	-9.0	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-2.1	-8.5	-8.5	
Chillers	Default industrial noise	Point	-2.4	-8.8	-8.8	
Chillers	Default industrial noise	Point	-2.6	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.5	-5.0	-5.0	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.1	-5.3	-5.3	
Chillers	Default industrial noise	Point	0.9	-5.5	-5.5	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.7	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.5	-4.9	-4.9	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.1	-5.3	-5.3	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.4	-5.0	-5.0	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.5	-3.9	-3.9	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.1	-4.3	-4.3	
Chillers	Default industrial noise	Point	1.9	-4.5	-4.5	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	3.0	-3.4	-3.4	
Chillers	Default industrial noise	Point	2.8	-3.6	-3.6	
Chillers	Default industrial noise	Point	2.6	-3.8	-3.8	
Chillers	Default industrial noise	Point	2.4	-4.0	-4.0	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	3.3	-3.1	-3.1	
Chillers	Default industrial noise	Point	3.1	-3.3	-3.3	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.5	-3.9	-3.9	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	3.6	-2.8	-2.8	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.2	-3.2	-3.2	
Chillers	Default industrial noise	Point	3.0	-3.4	-3.4	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.5	-3.9	-3.9	
Chillers	Default industrial noise	Point	3.9	-2.5	-2.5	
Chillers	Default industrial noise	Point	3.7	-2.7	-2.7	
Chillers	Default industrial noise	Point	3.5	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.2	-3.2	-3.2	
Chillers	Default industrial noise	Point	3.0	-3.4	-3.4	
Chillers	Default industrial noise	Point	2.8	-3.6	-3.6	
Generator	Default industrial noise	Point	27.4	21.0	21.0	
Generator	Default industrial noise	Point	24.7	18.3	18.3	
Generator	Default industrial noise	Point	46.7	40.3	40.3	
Generator	Default industrial noise	Point	28.6	22.2	22.2	
Substation	Default industrial noise	Area	38.8	32.4	32.4	
Receiver R2: Residential along Libery Street FI G Ldn 48.4 dB(A) Leq,d 42.0 dB(A) Leq,n 42.0 dB(A)						
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.4	-8.4	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	0.4	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	0.2	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	0.8	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.6	-5.8	-5.8	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	1.1	-5.3	-5.3	
Chillers	Default industrial noise	Point	-2.4	-8.8	-8.8	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.1	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-1.8	-8.2	-8.2	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.4	-8.8	-8.8	
Chillers	Default industrial noise	Point	-2.2	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.0	-8.5	-8.5	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.8	-8.2	-8.2	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.2	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-2.2	-8.6	-8.6	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.6	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	

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Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.5	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.9	-9.4	-9.4	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.0	-9.4	-9.4	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-3.2	-9.6	-9.6	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.0	-9.4	-9.4	
Chillers	Default industrial noise	Point	-2.9	-9.3	-9.3	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	-2.8	-9.2	-9.2	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.3	-6.2	-6.2	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.9	-5.6	-5.6	
Chillers	Default industrial noise	Point	1.0	-5.4	-5.4	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	0.2	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.4	-6.0	-6.0	
Chillers	Default industrial noise	Point	0.6	-5.8	-5.8	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	1.0	-5.4	-5.4	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	

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Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	0.0	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	-1.1	-7.6	-7.6	
Chillers	Default industrial noise	Point	-1.7	-8.1	-8.1	
Chillers	Default industrial noise	Point	-1.4	-7.8	-7.8	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.6	-8.0	-8.0	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-2.2	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.0	-8.4	-8.4	
Chillers	Default industrial noise	Point	-2.1	-8.5	-8.5	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.5	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	2.0	-4.5	-4.5	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	1.6	-4.9	-4.9	
Chillers	Default industrial noise	Point	1.4	-5.0	-5.0	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	2.4	-4.0	-4.0	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	2.8	-3.6	-3.6	
Chillers	Default industrial noise	Point	2.6	-3.8	-3.8	
Chillers	Default industrial noise	Point	2.4	-4.0	-4.0	
Chillers	Default industrial noise	Point	2.3	-4.2	-4.2	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	2.1	-4.3	-4.3	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.2	-3.2	-3.2	
Chillers	Default industrial noise	Point	3.1	-3.3	-3.3	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.5	-3.9	-3.9	
Chillers	Default industrial noise	Point	3.9	-2.5	-2.5	
Chillers	Default industrial noise	Point	3.7	-2.7	-2.7	
Chillers	Default industrial noise	Point	3.5	-2.9	-2.9	
Chillers	Default industrial noise	Point	3.3	-3.1	-3.1	
Chillers	Default industrial noise	Point	3.1	-3.3	-3.3	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	4.4	-2.0	-2.0	
Chillers	Default industrial noise	Point	4.2	-2.2	-2.2	
Chillers	Default industrial noise	Point	4.0	-2.4	-2.4	
Chillers	Default industrial noise	Point	3.7	-2.7	-2.7	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.3	-3.2	-3.2	
Chillers	Default industrial noise	Point	4.9	-1.6	-1.6	
Chillers	Default industrial noise	Point	4.6	-1.8	-1.8	
Chillers	Default industrial noise	Point	4.4	-2.0	-2.0	
Chillers	Default industrial noise	Point	4.1	-2.3	-2.3	
Chillers	Default industrial noise	Point	3.8	-2.6	-2.6	
Chillers	Default industrial noise	Point	3.7	-2.7	-2.7	
Chillers	Default industrial noise	Point	5.3	-1.1	-1.1	
Chillers	Default industrial noise	Point	5.1	-1.3	-1.3	
Chillers	Default industrial noise	Point	4.9	-1.5	-1.5	
Chillers	Default industrial noise	Point	4.7	-1.8	-1.8	
Chillers	Default industrial noise	Point	4.4	-2.0	-2.0	
Chillers	Default industrial noise	Point	4.2	-2.2	-2.2	
Generator	Default industrial noise	Point	30.4	24.0	24.0	
Generator	Default industrial noise	Point	24.8	18.3	18.3	
Generator	Default industrial noise	Point	47.6	41.2	41.2	
Generator	Default industrial noise	Point	34.7	28.3	28.3	
Substation	Default industrial noise	Area	38.7	32.3	32.3	
Receiver R3: Residential along Springdale Drive FI G Ldn 47.1 dB(A) Leq,d 40.7 dB(A) Leq,n 40.7 dB(A)						
Chillers	Default industrial noise	Point	-3.8	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.9	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.9	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-2.3	-8.7	-8.7	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.9	-8.3	-8.3	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.5	-7.9	-7.9	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-3.9	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.4	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.3	-9.7	-9.7	

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-3.1	-9.5	-9.5	
Chillers	Default industrial noise	Point	-3.8	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.4	-9.8	-9.8	
Chillers	Default industrial noise	Point	-3.4	-9.8	-9.8	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.7	-10.1	-10.1	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.4	-9.8	-9.8	
Chillers	Default industrial noise	Point	-3.3	-9.7	-9.7	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.4	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.4	-9.8	-9.8	
Chillers	Default industrial noise	Point	-3.9	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.7	-10.1	-10.1	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.4	-9.8	-9.8	
Chillers	Default industrial noise	Point	-3.9	-10.3	-10.3	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.7	-10.1	-10.1	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-5.0	-11.4	-11.4	
Chillers	Default industrial noise	Point	-5.2	-11.6	-11.6	
Chillers	Default industrial noise	Point	-4.3	-10.8	-10.8	
Chillers	Default industrial noise	Point	-4.3	-10.7	-10.7	
Chillers	Default industrial noise	Point	-5.4	-11.8	-11.8	
Chillers	Default industrial noise	Point	-5.5	-11.9	-11.9	
Chillers	Default industrial noise	Point	-5.7	-12.1	-12.1	
Chillers	Default industrial noise	Point	-5.8	-12.3	-12.3	
Chillers	Default industrial noise	Point	-4.7	-11.1	-11.1	
Chillers	Default industrial noise	Point	-4.7	-11.1	-11.1	
Chillers	Default industrial noise	Point	-4.7	-11.1	-11.1	
Chillers	Default industrial noise	Point	-6.1	-12.5	-12.5	
Chillers	Default industrial noise	Point	-6.3	-12.7	-12.7	
Chillers	Default industrial noise	Point	-6.4	-12.8	-12.8	
Chillers	Default industrial noise	Point	-1.3	-7.7	-7.7	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	-1.3	-7.7	-7.7	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-1.3	-7.7	-7.7	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.4	-6.9	-6.9	
Chillers	Default industrial noise	Point	-1.4	-7.8	-7.8	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-0.9	-7.3	-7.3	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	-2.5	-8.9	-8.9	
Chillers	Default industrial noise	Point	-2.6	-9.0	-9.0	
Chillers	Default industrial noise	Point	-2.7	-9.1	-9.1	
Chillers	Default industrial noise	Point	-3.0	-9.4	-9.4	
Chillers	Default industrial noise	Point	-3.3	-9.7	-9.7	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-4.1	-10.5	-10.5	
Chillers	Default industrial noise	Point	-4.4	-10.8	-10.8	
Chillers	Default industrial noise	Point	-4.6	-11.0	-11.0	
Chillers	Default industrial noise	Point	-4.0	-10.4	-10.4	
Chillers	Default industrial noise	Point	-4.0	-10.4	-10.4	
Chillers	Default industrial noise	Point	-4.1	-10.5	-10.5	
Chillers	Default industrial noise	Point	-4.1	-10.5	-10.5	
Chillers	Default industrial noise	Point	-4.1	-10.5	-10.5	
Chillers	Default industrial noise	Point	-4.2	-10.6	-10.6	
Chillers	Default industrial noise	Point	-3.8	-10.2	-10.2	
Chillers	Default industrial noise	Point	-3.7	-10.1	-10.1	
Chillers	Default industrial noise	Point	-3.7	-10.1	-10.1	
Chillers	Default industrial noise	Point	-3.6	-10.0	-10.0	
Chillers	Default industrial noise	Point	-3.5	-9.9	-9.9	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	-3.4	-9.8	-9.8	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	0.7	-5.7	-5.7	
Chillers	Default industrial noise	Point	0.6	-5.8	-5.8	
Chillers	Default industrial noise	Point	0.5	-5.9	-5.9	
Chillers	Default industrial noise	Point	0.4	-6.0	-6.0	
Chillers	Default industrial noise	Point	0.3	-6.1	-6.1	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	1.1	-5.3	-5.3	
Chillers	Default industrial noise	Point	1.0	-5.4	-5.4	
Chillers	Default industrial noise	Point	0.9	-5.5	-5.5	
Chillers	Default industrial noise	Point	0.8	-5.6	-5.6	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.5	-4.9	-4.9	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	2.4	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.1	-4.3	-4.3	
Chillers	Default industrial noise	Point	2.0	-4.5	-4.5	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	2.8	-3.6	-3.6	
Chillers	Default industrial noise	Point	2.6	-3.8	-3.8	
Chillers	Default industrial noise	Point	2.4	-4.0	-4.0	
Chillers	Default industrial noise	Point	2.3	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	3.5	-2.9	-2.9	
Chillers	Default industrial noise	Point	3.3	-3.1	-3.1	
Chillers	Default industrial noise	Point	3.1	-3.3	-3.3	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	2.8	-3.6	-3.6	
Chillers	Default industrial noise	Point	2.8	-3.7	-3.7	
Chillers	Default industrial noise	Point	4.1	-2.3	-2.3	
Chillers	Default industrial noise	Point	3.8	-2.6	-2.6	
Chillers	Default industrial noise	Point	3.7	-2.7	-2.7	
Chillers	Default industrial noise	Point	3.6	-2.8	-2.8	
Chillers	Default industrial noise	Point	3.5	-2.9	-2.9	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	4.7	-1.7	-1.7	
Chillers	Default industrial noise	Point	4.6	-1.8	-1.8	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	4.5	-1.9	-1.9	
Chillers	Default industrial noise	Point	4.3	-2.1	-2.1	
Chillers	Default industrial noise	Point	4.2	-2.2	-2.2	
Chillers	Default industrial noise	Point	4.1	-2.4	-2.4	
Generator	Default industrial noise	Point	29.6	23.2	23.2	
Generator	Default industrial noise	Point	23.6	17.2	17.2	
Generator	Default industrial noise	Point	45.7	39.3	39.3	
Generator	Default industrial noise	Point	39.9	33.4	33.4	
Substation	Default industrial noise	Area	35.2	28.8	28.8	
Receiver R4: Residential along Farmstead Court Fl G Ldn 40.7 dB(A) Leq,d 34.3 dB(A) Leq,n 34.3 dB(A)						
Chillers	Default industrial noise	Point	-1.3	-7.7	-7.7	
Chillers	Default industrial noise	Point	-1.2	-7.6	-7.6	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-0.9	-7.3	-7.3	
Chillers	Default industrial noise	Point	-0.9	-7.3	-7.3	
Chillers	Default industrial noise	Point	-1.1	-7.5	-7.5	
Chillers	Default industrial noise	Point	-1.0	-7.4	-7.4	
Chillers	Default industrial noise	Point	-0.9	-7.3	-7.3	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.8	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.7	-7.2	-7.2	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.7	-7.1	-7.1	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.6	-7.0	-7.0	
Chillers	Default industrial noise	Point	-0.5	-6.9	-6.9	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	-0.4	-6.8	-6.8	
Chillers	Default industrial noise	Point	-0.3	-6.7	-6.7	
Chillers	Default industrial noise	Point	-0.1	-6.6	-6.6	
Chillers	Default industrial noise	Point	0.0	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.2	-6.6	-6.6	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	-0.1	-6.5	-6.5	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	0.0	-6.4	-6.4	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.1	-6.3	-6.3	
Chillers	Default industrial noise	Point	0.2	-6.2	-6.2	
Chillers	Default industrial noise	Point	1.2	-5.3	-5.3	
Chillers	Default industrial noise	Point	1.2	-5.2	-5.2	
Chillers	Default industrial noise	Point	1.3	-5.1	-5.1	
Chillers	Default industrial noise	Point	1.4	-5.0	-5.0	
Chillers	Default industrial noise	Point	1.5	-4.9	-4.9	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.5	-4.9	-4.9	
Chillers	Default industrial noise	Point	1.6	-4.8	-4.8	
Chillers	Default industrial noise	Point	1.7	-4.7	-4.7	
Chillers	Default industrial noise	Point	1.8	-4.6	-4.6	
Chillers	Default industrial noise	Point	1.9	-4.5	-4.5	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	1.9	-4.5	-4.5	
Chillers	Default industrial noise	Point	2.0	-4.4	-4.4	
Chillers	Default industrial noise	Point	2.1	-4.3	-4.3	
Chillers	Default industrial noise	Point	2.2	-4.2	-4.2	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.4	-4.0	-4.0	
Chillers	Default industrial noise	Point	2.3	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.4	-4.1	-4.1	
Chillers	Default industrial noise	Point	2.5	-3.9	-3.9	
Chillers	Default industrial noise	Point	2.6	-3.8	-3.8	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.8	-3.6	-3.6	
Chillers	Default industrial noise	Point	2.6	-3.8	-3.8	
Chillers	Default industrial noise	Point	2.7	-3.7	-3.7	
Chillers	Default industrial noise	Point	2.9	-3.5	-3.5	
Chillers	Default industrial noise	Point	3.0	-3.4	-3.4	
Chillers	Default industrial noise	Point	3.2	-3.3	-3.3	
Chillers	Default industrial noise	Point	3.3	-3.1	-3.1	
Chillers	Default industrial noise	Point	3.0	-3.4	-3.4	
Chillers	Default industrial noise	Point	3.1	-3.3	-3.3	

Terra Nexus Rockingham Contribution level - Results

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	3.3	-3.1	-3.1	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.6	-2.9	-2.9	
Chillers	Default industrial noise	Point	3.7	-2.7	-2.7	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.5	-2.9	-2.9	
Chillers	Default industrial noise	Point	3.7	-2.8	-2.8	
Chillers	Default industrial noise	Point	3.8	-2.6	-2.6	
Chillers	Default industrial noise	Point	4.0	-2.4	-2.4	
Chillers	Default industrial noise	Point	4.1	-2.3	-2.3	
Chillers	Default industrial noise	Point	3.8	-2.6	-2.6	
Chillers	Default industrial noise	Point	3.9	-2.5	-2.5	
Chillers	Default industrial noise	Point	4.0	-2.4	-2.4	
Chillers	Default industrial noise	Point	4.2	-2.2	-2.2	
Chillers	Default industrial noise	Point	4.4	-2.0	-2.0	
Chillers	Default industrial noise	Point	4.5	-1.9	-1.9	
Chillers	Default industrial noise	Point	3.3	-3.1	-3.1	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.5	-2.9	-2.9	
Chillers	Default industrial noise	Point	3.6	-2.8	-2.8	
Chillers	Default industrial noise	Point	3.6	-2.8	-2.8	
Chillers	Default industrial noise	Point	3.4	-3.0	-3.0	
Chillers	Default industrial noise	Point	3.8	-2.6	-2.6	
Chillers	Default industrial noise	Point	3.9	-2.5	-2.5	
Chillers	Default industrial noise	Point	4.0	-2.4	-2.4	
Chillers	Default industrial noise	Point	4.1	-2.3	-2.3	
Chillers	Default industrial noise	Point	4.2	-2.2	-2.2	
Chillers	Default industrial noise	Point	4.2	-2.2	-2.2	
Chillers	Default industrial noise	Point	4.3	-2.1	-2.1	
Chillers	Default industrial noise	Point	4.4	-2.0	-2.0	
Chillers	Default industrial noise	Point	4.5	-1.9	-1.9	
Chillers	Default industrial noise	Point	4.6	-1.8	-1.8	
Chillers	Default industrial noise	Point	4.7	-1.7	-1.7	
Chillers	Default industrial noise	Point	4.8	-1.6	-1.6	
Chillers	Default industrial noise	Point	4.8	-1.6	-1.6	
Chillers	Default industrial noise	Point	4.9	-1.5	-1.5	
Chillers	Default industrial noise	Point	5.0	-1.4	-1.4	
Chillers	Default industrial noise	Point	5.1	-1.3	-1.3	
Chillers	Default industrial noise	Point	5.2	-1.2	-1.2	
Chillers	Default industrial noise	Point	5.3	-1.1	-1.1	
Chillers	Default industrial noise	Point	5.3	-1.1	-1.1	
Chillers	Default industrial noise	Point	5.4	-1.0	-1.0	
Chillers	Default industrial noise	Point	5.5	-0.9	-0.9	
Chillers	Default industrial noise	Point	5.7	-0.7	-0.7	
Chillers	Default industrial noise	Point	5.8	-0.6	-0.6	

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	5.9	-0.5	-0.5	
Chillers	Default industrial noise	Point	5.9	-0.6	-0.6	
Chillers	Default industrial noise	Point	6.0	-0.5	-0.5	
Chillers	Default industrial noise	Point	6.1	-0.3	-0.3	
Chillers	Default industrial noise	Point	6.2	-0.2	-0.2	
Chillers	Default industrial noise	Point	6.4	0.0	0.0	
Chillers	Default industrial noise	Point	6.5	0.1	0.1	
Chillers	Default industrial noise	Point	6.4	0.0	0.0	
Chillers	Default industrial noise	Point	6.5	0.1	0.1	
Chillers	Default industrial noise	Point	6.7	0.3	0.3	
Chillers	Default industrial noise	Point	6.8	0.4	0.4	
Chillers	Default industrial noise	Point	7.0	0.6	0.6	
Chillers	Default industrial noise	Point	7.1	0.7	0.7	
Chillers	Default industrial noise	Point	7.0	0.6	0.6	
Chillers	Default industrial noise	Point	7.1	0.7	0.7	
Chillers	Default industrial noise	Point	7.3	0.9	0.9	
Chillers	Default industrial noise	Point	7.4	1.0	1.0	
Chillers	Default industrial noise	Point	7.6	1.2	1.2	
Chillers	Default industrial noise	Point	7.7	1.3	1.3	
Chillers	Default industrial noise	Point	6.0	-0.4	-0.4	
Chillers	Default industrial noise	Point	6.1	-0.3	-0.3	
Chillers	Default industrial noise	Point	6.3	-0.1	-0.1	
Chillers	Default industrial noise	Point	6.6	0.1	0.1	
Chillers	Default industrial noise	Point	6.8	0.4	0.4	
Chillers	Default industrial noise	Point	7.0	0.6	0.6	
Chillers	Default industrial noise	Point	6.3	-0.1	-0.1	
Chillers	Default industrial noise	Point	6.4	0.0	0.0	
Chillers	Default industrial noise	Point	6.6	0.2	0.2	
Chillers	Default industrial noise	Point	6.9	0.5	0.5	
Chillers	Default industrial noise	Point	7.1	0.7	0.7	
Chillers	Default industrial noise	Point	7.3	0.9	0.9	
Chillers	Default industrial noise	Point	6.5	0.1	0.1	
Chillers	Default industrial noise	Point	6.7	0.3	0.3	
Chillers	Default industrial noise	Point	6.9	0.5	0.5	
Chillers	Default industrial noise	Point	7.2	0.8	0.8	
Chillers	Default industrial noise	Point	7.5	1.1	1.1	
Chillers	Default industrial noise	Point	7.7	1.3	1.3	
Chillers	Default industrial noise	Point	6.8	0.4	0.4	
Chillers	Default industrial noise	Point	7.0	0.6	0.6	
Chillers	Default industrial noise	Point	7.2	0.8	0.8	
Chillers	Default industrial noise	Point	7.5	1.1	1.1	
Chillers	Default industrial noise	Point	7.8	1.4	1.4	
Chillers	Default industrial noise	Point	8.0	1.6	1.6	
Chillers	Default industrial noise	Point	7.0	0.6	0.6	
Chillers	Default industrial noise	Point	7.2	0.8	0.8	

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Source	Source group	Source type	Ldn dB(A)	Leq,d dB(A)	Leq,n dB(A)	
Chillers	Default industrial noise	Point	7.4	1.0	1.0	
Chillers	Default industrial noise	Point	7.7	1.3	1.3	
Chillers	Default industrial noise	Point	8.0	1.6	1.6	
Chillers	Default industrial noise	Point	8.3	1.8	1.8	
Chillers	Default industrial noise	Point	7.1	0.7	0.7	
Chillers	Default industrial noise	Point	7.4	0.9	0.9	
Chillers	Default industrial noise	Point	7.6	1.2	1.2	
Chillers	Default industrial noise	Point	7.9	1.5	1.5	
Chillers	Default industrial noise	Point	8.2	1.8	1.8	
Chillers	Default industrial noise	Point	8.5	2.1	2.1	
Chillers	Default industrial noise	Point	7.3	0.9	0.9	
Chillers	Default industrial noise	Point	7.5	1.1	1.1	
Chillers	Default industrial noise	Point	7.7	1.3	1.3	
Chillers	Default industrial noise	Point	8.0	1.6	1.6	
Chillers	Default industrial noise	Point	8.4	2.0	2.0	
Chillers	Default industrial noise	Point	8.6	2.2	2.2	
Chillers	Default industrial noise	Point	4.9	-1.5	-1.5	
Chillers	Default industrial noise	Point	5.2	-1.2	-1.2	
Chillers	Default industrial noise	Point	5.4	-1.0	-1.0	
Chillers	Default industrial noise	Point	5.7	-0.7	-0.7	
Chillers	Default industrial noise	Point	8.5	2.1	2.1	
Chillers	Default industrial noise	Point	8.7	2.3	2.3	
Generator	Default industrial noise	Point	35.3	28.9	28.9	
Generator	Default industrial noise	Point	30.5	24.1	24.1	
Generator	Default industrial noise	Point	32.1	25.7	25.7	
Generator	Default industrial noise	Point	36.6	30.2	30.2	
Substation	Default industrial noise	Area	26.4	20.0	20.0	