- Installing low noise fans on the cooling towers; and/or
- Installing and intake hoods and exhaust mufflers on the microturbines.

LEVEL OF IMPACT AFTER MITIGATION

Construction

Implementation of Mitigation Measure **N15** would reduce noise levels by approximately 3 dBA. Implementation of Mitigation Measure **N16** would reduce noise levels at nearby sensitive receptors by at least 5 dBA. Implementation of Mitigation Measure **N17** would minimize disruption at the Child Development Center and Robert Hill Lane Elementary School. Implementation of Mitigation Measures **N18** and **N19** would assist in attenuating construction noise levels. As shown in **Table 4.5-11**, multiple sensitive receptors would still be exposed to ambient noise levels that exceed the 5-dBA significance threshold. Construction noise would result in an unavoidable significant impact.

TABLE 4.5-11: CONSTRUCTION NOISE IMPACTS – MITIGATED

Sensitive Receptor	Distance (feet) /a/	Maximum Construction Noise Level (dBA) /b/	Existing Ambient	New Ambient	Impact?
Child Development Center	50	81.0	60.9	81.0	**20.1**
Single- and multi-family residences to the north	65	78.7	63.4	78.8	**15.4**
Single-family residences to the west	65	78.7	60.9	78.8	**17.9**
Single-family residences to the south	110	74.2	66.2	74.8	**8.6**
Robert Hill Lane Elementary School	120	73.4	66.2	74.2	**8.0**
Brightwood Elementary School	525	50.6/c/	59.1	59.7	0.6
Sunnyslopes Park	540	50.3/c/	59.1	59.6	0.5
Single-family residences to the east	750	47.5/c/	54.7	55.5	0.8
Belvedere Park	795	52.0/d/	58.2	59.1	0.9
Morris K. Hamasaki Elementary	1690	45.4/d/	58.2	58.4	0.2
St. Thomas Aquinas School	1695	45.4/d/	63.4	63.5	0.1

/a/ Distance of noise source from receptor.
/b/ Includes a noise reduction for distance attenuation and an 8-dBA reduction for application of mitigation measures.
/c/ Includes a 10-dBA reduction for intervening structures and/or terrain.
/d/ Includes a 5-dBA reduction for intervening structures and/or terrain.
SOURCE: TAHA, 2010.

Implementation of Mitigation Measure **N20** would ensure that children at the Child Development Center would not be exposed to significant vibration levels. Mitigated construction vibration would result in a less-than-significant impact.

Operation

Implementation of Mitigation Measure **N21** would ensure that noise levels generated by central plant operation would be less than significant. Noise level increases from the central plant would not exceed the 5-dBA significance threshold. Mitigated operational noise levels for the central plant would result in a less-than-significant impact.