

**Table 2-3  
Noise Criteria**
**Legend: Land use compatibility**

(A detailed explanation of each land use acceptability category is provided on pg. 2-50 of this table.)

<b>Normally Compatible Land Use</b>	<b>Conditional Land Use (45/50)</b>	<b>Incompatible Land Use</b>
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▪ Cells that are conditionally compatible that have a number, indicate the interior noise level standard condition for use consistency.

<b>Land Use Category <sup>1</sup></b>	<b>Noise Impact Zones</b>					<b>Criteria for Conditional Uses</b>
	Exterior Noise Exposure <sup>2</sup> (CNEL dB)					
Note: Multiple land use categories and compatibility criteria may apply to a project	≤ 60	60-65	65-70	70-75	≥ 75	Note: Interior noise level limits shown in yellow cells also apply (See Policy N4)

**Outdoor Uses (limited or no activities in buildings)**

Natural Land Areas: desert, brush lands						Compatible at levels indicated, but noise disruption of natural quiet will occur
Water: flood plains, wetlands, lakes, reservoirs						
Agriculture (except residences and livestock): crops, orchards, vineyards, pasture, range land						
Livestock Uses: feed lots, stockyards, breeding, fish hatcheries, horse stables						Exercise caution with uses involving noise-sensitive animals
Outdoor Major Assembly Facilities: spectator-oriented outdoor stadiums, amphitheatres, fairgrounds, zoos <sup>3</sup>						Exercise caution if clear audibility by users is essential
Group Recreation (limited spectator stands): athletic fields, water recreation facilities, picnic areas						Exercise caution if clear audibility by users is essential
Small/Non-Group Recreation: golf courses, tennis courts, shooting ranges						Exercise caution if clear audibility by users is essential
Local Parks: children-oriented neighborhood parks, playgrounds						Exercise caution if clear audibility by users is essential
Camping: campgrounds, recreational vehicle/motor home parks						
Cemeteries (excluding chapels)						Compatible at levels indicated, but noise disruption of outdoor activities will occur

**Residential and Lodging Uses**

Residential (<8 d.u./acre): individual dwellings, townhouses, mobile homes, bed & breakfast inns <sup>4</sup>		45				
Residential (≥8 d.u./acre) <sup>4</sup>		45	45			
Long-Term Lodging (>30 nights): extended-stay hotels, dormitories		45	45			
Short-Term Lodging (≤ 30 nights): hotels, motels, other transient lodging (except conference/assembly facilities)		45	45			

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<u>Land Use Category</u> <sup>1</sup> <i>Note: Multiple land use categories and compatibility criteria may apply to a project</i>	<u>Noise Impact Zones</u> Exterior Noise Exposure <sup>2</sup> (CNEL dB)					<u>Criteria for Conditional Uses</u> <i>Note: Interior noise level limits shown in yellow cells also apply (See Policy N4)</i>
	≤ 60	60-65	65-70	70-75	≥ 75	

Congregate Care: retirement homes, assisted living, nursing homes, intermediate care facilities		45	45			
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**Educational and Institutional Uses**

Family day care homes (≤14 children) <sup>4</sup>		45				
Children's Schools: K-12, day care centers (>14 children); school libraries		45				
Adult Education classroom space: adult schools, colleges, universities		45	45			Applies only to classrooms; offices, laboratory facilities, gymnasiums, outdoor athletic facilities, and other uses to be evaluated as indicated for those land use categories
Community Libraries		45				
Indoor Major Assembly Facilities: auditoriums, conference centers, concert halls, indoor arenas <sup>3</sup>		45	45			
Indoor Large Assembly Facilities: movie theaters, places of worship, cemetery chapels, mortuaries <sup>3</sup>		45	45			
Indoor Recreation: gymnasiums, club houses, athletic clubs, dance studios			50			
In-Patient Medical: hospitals, mental hospitals		45	45			
Out-Patient Medical: health care centers, clinics		45	45	45		
Penal Institutions: prisons, reformatories		45	45			
Public Safety Facilities: police, fire stations			50	50		

**Commercial, Office, and Service Uses**

Major Retail: regional shopping centers, 'big box' retail			50	50		Outdoor dining or gathering places incompatible above CNEL 70 dB
Local Retail: community/neighborhood shopping centers, grocery stores			50	50		Outdoor dining or gathering places incompatible above CNEL 70 dB
Eating/Drinking Establishments: restaurants, fast-food dining, bars			50	50		Outdoor dining or gathering places incompatible above CNEL 70 dB
Limited Retail/Wholesale: furniture, automobiles, heavy equipment, lumber yards, nurseries			50	50		

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<u>Land Use Category</u> <sup>1</sup> <small>Note: Multiple land use categories and compatibility criteria may apply to a project</small>	Noise Impact Zones Exterior Noise Exposure <sup>2</sup> (CNEL dB)					<u>Criteria for Conditional Uses</u> <small>Note: Interior noise level limits shown in yellow cells also apply (See Policy N4)</small>
	≤ 60	60-65	65-70	70-75	≥ 75	
Offices: professional services, doctors, finance, civic; radio, television & recording studios, office space associated with other listed uses			50	50		
Personal & Miscellaneous Services: barbers, car washes, print shops			50	50		
Vehicle Fueling: gas stations, trucking & transportation terminals				50	50	
<b>Industrial, Manufacturing, and Storage Uses</b>						
Hazardous Materials Production: oil refineries, chemical plants (≥6,000 gallons)						
Heavy Industrial						
Light Industrial, High Intensity: food products preparation, electronic equipment				50	50	
Light Industrial, Low Intensity: machine shops, wood products, auto repair				50	50	
Research & Development			50	50		
Indoor Storage: wholesale sales, warehouses, mini/other indoor storage, barns, greenhouses						
Outdoor Storage: public works yards, automobile dismantling						
Mining & Extraction						
<b>Transportation, Communication, and Utilities</b>						
Rail & Bus Stations				50	50	
Transportation Routes: road & rail rights-of-way, bus stops						
Auto Parking: surface lots, structures						
Communications Facilities: emergency communications, broadcast & cell towers						
Power Plants						
Electrical Substations						
Wastewater Facilities: treatment, disposal						
Solid Waste Disposal Facilities: landfill, incineration						
Solid Waste Transfer Facilities, Recycle Centers						

Land Use Compatibility	Interpretation/Comments
<b>Normally Compatible</b>	<p><i>Indoor Uses:</i> Either the activities associated with the land use are inherently noisy or standard construction methods will sufficiently attenuate exterior noise to an acceptable indoor community noise equivalent level (CNEL); for land use types that are compatible because of inherent noise levels, sound attenuation must be provided for associated office, retail, and other noise-sensitive indoor spaces sufficient to reduce exterior noise to an interior maximum of CNEL 50 dB</p> <p><i>Outdoor Uses:</i> Except as noted in the table, activities associated with the land use may be carried out with minimal interference from aircraft noise</p>
<b>Conditional</b>	<p><i>Indoor Uses:</i> Building structure must be capable of attenuating exterior noise from all noise sources to the indoor CNEL indicated by the number in the cell (either 45 or 50)</p> <p><i>Outdoor Uses:</i> Caution should be exercised with regard to noise-sensitive outdoor uses; these uses are likely to be disrupted by aircraft noise events; acceptability is dependent upon characteristics of the specific use <sup>5</sup></p>
<b>Incompatible</b>	<p><i>Indoor Uses:</i> Unacceptable noise interference if windows are open; at exposures above CNEL 65 dB, extensive mitigation techniques required to make the indoor environment acceptable for performance of activities associated with the land use</p> <p><i>Outdoor Uses:</i> Severe noise interference makes the outdoor environment unacceptable for performance of activities associated with the land use</p>

**Notes**

- <sup>1</sup> Land uses not specifically listed shall be evaluated using the criteria for similar uses.
- <sup>2</sup> For the purposes of these criteria, the exterior noise exposure generated by aircraft activity at ONT is defined by the projected noise impact zones illustrated on **Map 2-3** of this *Compatibility Plan*.
- <sup>3</sup> A *Major Assembly Facility* is defined as having a capacity of ≥1,000 people, while a *Large Assembly Facility* has a capacity of 300 to 999 people. Source: International Building Code.
- <sup>4</sup> In accordance with **Policies S1, N2, and SP2**, construction of a single-family home, including a second dwelling unit as defined by state law, is allowed on a legal lot of record if such use is permitted by local land use regulations. A family day care home (serving ≤14 children) may be established in any dwelling.
- <sup>5</sup> Noise-sensitive land uses are ones for which the associated primary activities, whether indoor or outdoor, are susceptible to disruption by loud noise events. The most common types of noise-sensitive land uses include, but are not limited to, the following: residential, hospitals, nursing facilities, intermediate care facilities, educational facilities, libraries, museums, places of worship, child-care facilities, and certain types of passive recreational parks and open space.