



Noise Code Amendment SMC 9.05 Public Disturbance Noise Ordinance No.818

Council Discussion
April 02, 2018

Amendment No.818

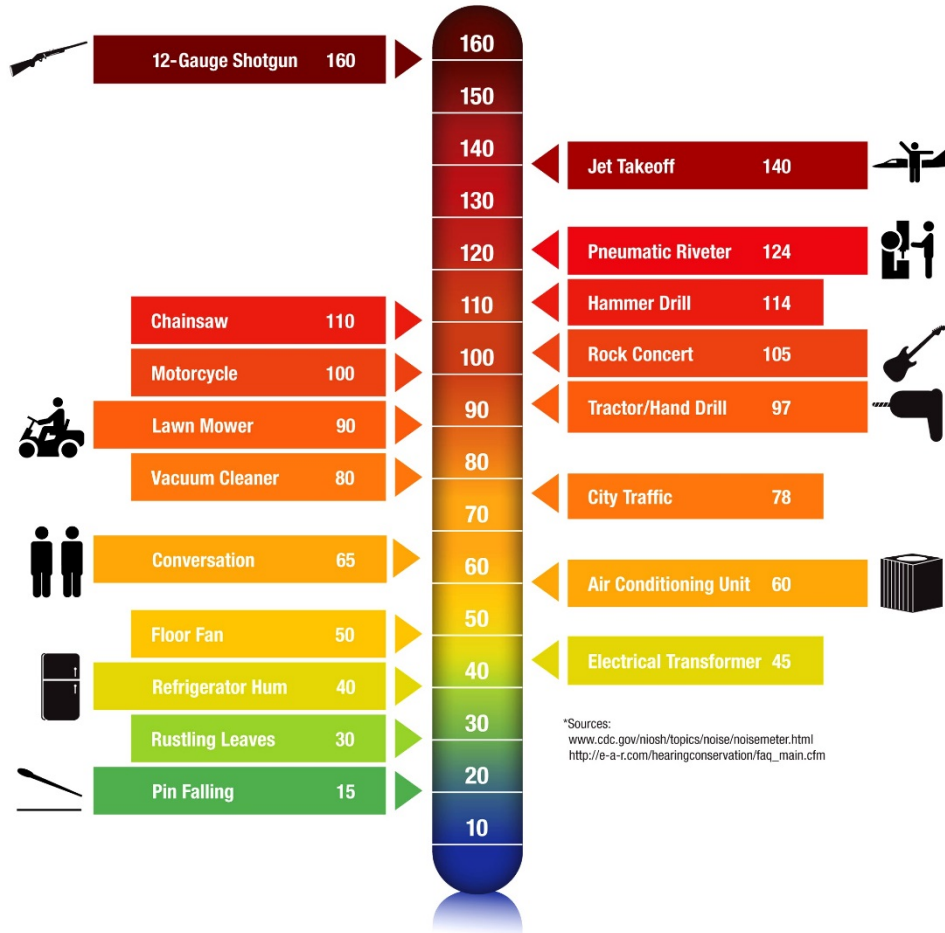
The intent of the proposed repeal and replacement amendment of the Noise Code is not to create stricter, or less restrictive noise regulations, but rather to reflect the standards set forth in state law while allowing for differences to address the City of Shoreline's special needs.



Changes Include:

- *A purpose statement.*
- *Additional definitions of terms used in the Code.*
- *How sounds may be measured.*
- *Sounds that are exempt.*
- *Identify specific processes for variance and appeal.*
- *Addition of a decibel level threshold table.*

Decibel Scale (dBA)*



*Sources:
www.cdc.gov/niosh/topics/noise/noisemeter.html
http://e-a-r.com/hearingconservation/faq_main.cfm

dBA	Example	Home Appliances	Power Tools
0	healthy normal hearing threshold		
10	A watch ticking		
20	rustling leaves		
30	A whisper		
40	Light Rain	computer	
50	Quiet office	refrigerator	
60	normal conversation	air conditioner	
70	shower	dishwasher	
75	toilet flushing	vacuum cleaner	
80	alarm clock	garbage disposal	
85	passing diesel truck	snow blower	
90	average personal stereo	lawn mower	Welder
95	inside subway car	food processor	belt sander
100	motorcycle (riding)		handheld drill
105	sporting event		Chain Saw
110	Live Rock Music		jackhammer
115	emergency vehicle siren		riveter
120	thunderclap		
130	peak stadium crowd noise		
140	jet engine at takeoff		
145	firecracker		
150	fighter jet launch		
160	shotgun		
165	.357 magnum revolver		
180	rocket launch		

Decibel Levels

Air to Water Heat Pump Outdoor Sound Levels

FAN SPEED	FRONT	LEFT SIDE	BACK	RIGHT SIDE	AVERAGE
20%	42.0	40.3	40.7	40.7	40.9
30%	42.9	40.8	41.5	40.9	41.5
40%	51.0	47.0	49.3	46.8	48.5
50%	59.8	53.0	58.5	53.0	56.1
60%	67.6	60.7	65.3	60.5	63.5
70%	72.7	65.5	69.8	65.5	68.4
80%	76.3	68.3	73.2	68.6	71.6

Units of measure are decibels (dB). The sound was measured at a distance of three feet. As you can see from this table, the sound levels for the outdoor unit range from 40 decibels at low fan speeds up to 70 (on average) at higher speeds. But just how loud is this?



SOUND LEVEL

SOUNDS LIKE

10

Rustling Leaves



20

Buzzing Mosquito



30

Whisper



40

Refrigerator Humming



50

Light Traffic



60

Normal conversation



70

Dishwasher

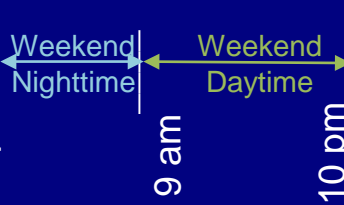


Daytime vs. Nighttime Hours

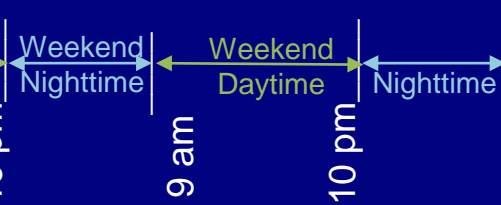
Friday



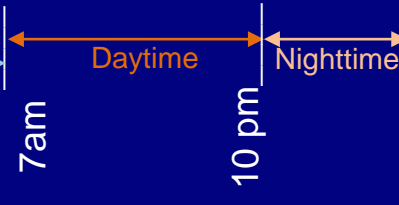
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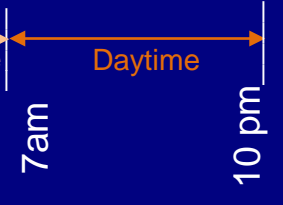
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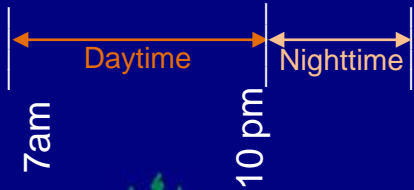
Monday



Tuesday



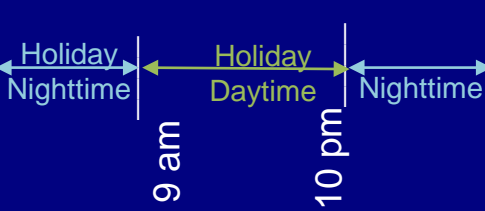
Monday



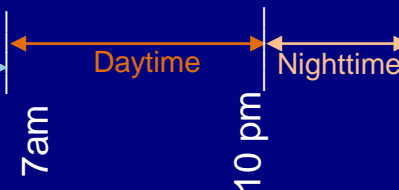
Tuesday



Wednesday



Thursday



Friday



Recommendation

No formal action is required by Council tonight. Staff recommends adoption of Ordinance No.818 when it is brought back for potential adoption on April 16, 2018 with the effective date of the Ordinance being August 1, 2018.

