

Nuisance Noise

FCC 6-08-01-02





Nuisance Noise Ordinance

Introductions: Marianne Sullivan and Deputy Chief Paul Lasiewicki

Background

Options for Council to Consider:

General Nuisance Noise Options

- Decibel Levels and Time Restrictions

- A-Weighting and C-Weighting Options

- Mixed Residential Commercial zones

Vehicular Nuisance Noise Options

- Location for Measurements

- Location of the Vehicle

Options for Fines



Examples of Typical Sound Levels



Type of Noise	Decibel level	Characterization
Jet Take-Off Artillery Fire Riveting	120-130	Deafening
Sonic Boom Orchestra Music Fortissimo Rock Band	100-120	Deafening
Truck Unmuffled Loud Street Noise Police Whistle	80-100	Very Loud
Noisy Office Quiet Typewriter Average Radio	60-80	Loud
Noisy Home Average Conversation Quiet Radio	40-60	Moderate
Private Office Quiet Home Quiet Conversation	20-40	Faint
Rustle of Leaves Wisper Human Breathing	10-20	Very Faint



Measurements Around Town

Type of Noise	Decibel Level	Characterization
Noise from the Train	92 at 30 feet away	Very Loud
Noise from Train Horn	96 at 100 feet away	Very Loud
Police Siren	98 at 15 feet away	Very Loud
Vehicle Horn	92 at 15 feet away	Very loud
Traffic noise at Humphreys and Route 66	73 at 4:00pm from the sidewalk	Loud
Idling Diesel Truck	60 at 20 feet away	Moderate



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Special Event Noise Restrictions

Flagstaff City Code Section 8-12-001-0004

Events at All Locations (Except Wheeler Park)

Amplification Must End at 10:00pm

Decibel Limit is 90, Measured 100' from Speakers

Events at Wheeler Park

Amplification Must End at 9:00pm

Decibel Limit is 85, Measured 50' from Speakers



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Residential, Commercial and Industrial limits

- Can Adjust the Time Limits or Decibel Limits
- Option #1 (Standard Chart Used in Other City Ordinances)

Zone	Time	Noise Standard dB(A)
Residential	10:00 p.m.—7:00 a.m.	45
Residential	7:00 a.m.—10:00 p.m.	55
Commercial	10:00 p.m.—7:00 a.m.	55
Commercial	7:00 a.m.—10:00 p.m.	65
Industrial	10:00 p.m.—7:00 a.m.	60
Industrial	7:00 a.m.—10:00 p.m.	70



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Residential, Commercial, and Industrial Limits

- Option #2

Zone	Time	Noise Standard
Residential	10:00 p.m.—7:00 a.m.	45 dB(A) or 50 dB(C)
Residential	7:00 a.m.—10:00 p.m.	55 dB(A) or 60 dB(C)
Commercial	10:00 p.m.—7:00 a.m.	55 dB(A) or 60 dB(C)
Commercial	7:00 a.m.—10:00 p.m.	65 dB(A) or 70 dB(C)
Industrial	10:00 p.m.—7:00 a.m.	60 dB(A) or 65 dB(C)
Industrial	7:00 a.m.—10:00 p.m.	70 dB(A) or 75dB(C)



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Mixed Use Zones

In areas where the use of property is mixed residential and commercial options are as follows:

Option A: Residential standards of 45 and 55

Option B: Commercial standard of 55 and 65

Option C: Another standard determined by Council in between the two standards.



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Motor Vehicles

Options in terms of where the measurements should be taken:

Option #1: A distance of 50' or more from the center of the lane of travel.

Option #2: Outside of the lane of travel of the motor vehicle or further.

Option #3: From the sidewalk adjacent to the roadway where the vehicle is traveling.



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Motor Vehicles

- Options for Vehicles

- Can base differences on the speed of the roadway or have one standard regardless of the posted speed

- OPTION #1

Location of Vehicle	Posted Speed Limit of 35 mph or Less	Posted Speed Limit of More than 35 mph
(1) Any motor vehicle with a manufacturer's gross vehicle weight rating of 26,000 pounds or more, any combination of vehicles towed by such motor vehicle, and any motor-cycle other than a motor-driven cycle	88 dB(A)	92 dB(A)
(2) Any other motor vehicle and any combination of vehicles towed by such motor vehicles	82 dB(A)	86 dB(A)



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Motor Vehicles Continued

OPTION #2

(1) Any motor vehicle with a manufacturer's gross vehicle weight rating of 26,000 pounds or more, any combination of vehicles towed by such motor vehicle, and any motor-cycle other than a motor-driven cycle	88 dB(A)	
(2) Any other motor vehicle and any combination of vehicles towed by such motor vehicles	82 dB(A)	



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Civil Traffic Fines

Fines vary from the lowest of \$104.00 to highest at \$1,050.00

Most of the fines are \$185.00

Failure to wear seat belt = \$104.00

Speeding 1-10 miles over posted Limit = \$185.00

Speeding 11-15 miles over posted limit = \$203.00

Speeding 16-20 miles over posted limit = \$231.00

Red light violation = \$185.00



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Penalties

OPTION #1

Same Penalties as currently in Nuisance Party Ordinance

- First offense \$250.00 fine
- Second offense within 120 days of first offense \$500.00 fine
- Third offense within 120 days of second offense \$1000.00 fine

• OPTION #2

- First offense \$150.00
- Second offense within 120 days of first offense \$200.00 fine
- Third offense within 120 days of second offense \$250.00 fine



Training, Certification, and Equipment Costs

- Our plan is to train one of our patrol lieutenants, all five officers who are assigned to our traffic enforcement squad, and three officers on each of our eight (8) patrol squads, for a total of 30 of the 70 sworn officers specifically assigned to patrol. The training currently costs \$625.00 per person.
- For 30 Officers to attend the training, the cost will be: \$18,750.00
- If we only train two officers from each squad the cost will be: \$13,750

We will need to purchase the decibel readers (\$930 apiece) for each officer at an approximate cost of: \$27,900

- The officers are required to re-cert every 2 years at a cost of \$325 per re-certification.
- Due to officer attrition and recertification, we will be asking for line item to conduct re-certifications and additional certifications (for new officers) as we replace officers who leave. Our best estimate is that this yearly cost will be: \$5,000- \$10,000



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Questions?