Governing Body Special Work Session Meeting
City of Rio Rancho
AGENDA
April 1, 2024
4:00 PM
Council Chambers

Governing Body Members

Greggory D. Hull, Mayor	Paul Wymer, Councilor District 4
Jim Owen, Councilor District 1	Karissa Culbreath, Councilor District 5
Jeremy Lenentine, Councilor District 2	Nicole List, Councilor District 6
Bob Tyler, Councilor District 3	

Meeting Information
This meeting will be conducted in-person and streamed live on the City of Rio Rancho website at https://rrnm.gov/2303/Watch-and-Download-City-Meetings

Pursuant to the Governing Body Rules of Procedures, public comment will not be taken at the work session meeting.

Call to Order and Pledge of Allegiance

Discussion

1. Discussion of Ordinance Amending Chapter 131 Offenses Against Order and Safety & Chapter 154 Planning and Zoning.
Final April 1 2024 GB Work Session.pdf

Adjournment

CITY OF RIO RANCHO
COVER PAGE

Legislation Item:

AGENDA DATE:
April 1, 2024

DEPARTMENT:
City Clerk

SUBJECT:
Discussion of Ordinance Amending Chapter 131 Offenses Against Order and Safety & Chapter 154 Planning and Zoning.

BACKGROUND AND ANALYSIS:

IMPACT:

ALTERNATIVES:

DEPARTMENT RECOMMENDATION:

ATTACHMENT: Final April 1 2024 GB Work Session.pdf

Special Governing Body Work Session

April 1, 2024

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General Concepts

Per U.S. CDC

Sound intensity is the amount of sound energy in a confined space.

It is measured in decibels (dB). The decibel scale is logarithmic, which means that loudness is not directly proportional to sound intensity. Instead, the intensity of a sound grows very fast. This means that a sound at 20 dB is 10 times more intense than a sound at 10 dB.

Two sounds that have equal intensity are not necessarily equally loud. Loudness refers to how you perceive audible sounds. A sound that seems loud in a quiet room might not be noticeable when you are on a street corner with heavy traffic, even though the sound intensity is the same.

In general, to measure loudness, a sound must be increased by 10 dB to be perceived as twice as loud.

Inverse-Square Law (Dictionary Definition)

The principle according to which the intensity of a wave, including a light wave or a sound wave, decreases in proportion to the square of the distance from its source.

For example, every doubling of distance can reduce the sound level by 6 dB; sound source measuring 70 dB at 20 feet could be 64 dB at 40 feet away and 58 dB at 80 feet away.

General Daytime/Nighttime Hours

	Proposed	Alb.	Santa Fe	Las Cruces	Farmington	Bern. Co.
Daytime	6 a.m. to 9 p.m.	7 a.m. to 10 p.m. *With Temporary Permit for amplified sound or construction can extend to midnight Friday & Saturday	7 a.m. to 9 p.m.	N/A	7 a.m. to 7 p.m.	Sunrise to Sunset
Nighttime	9 p.m. to 6 a.m.	10 p.m. to 7 a.m.	9 p.m. to 7 a.m.	N/A	7 p.m. to 7 a.m.	Sunset to Sunrise

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General Decibels Comparisons

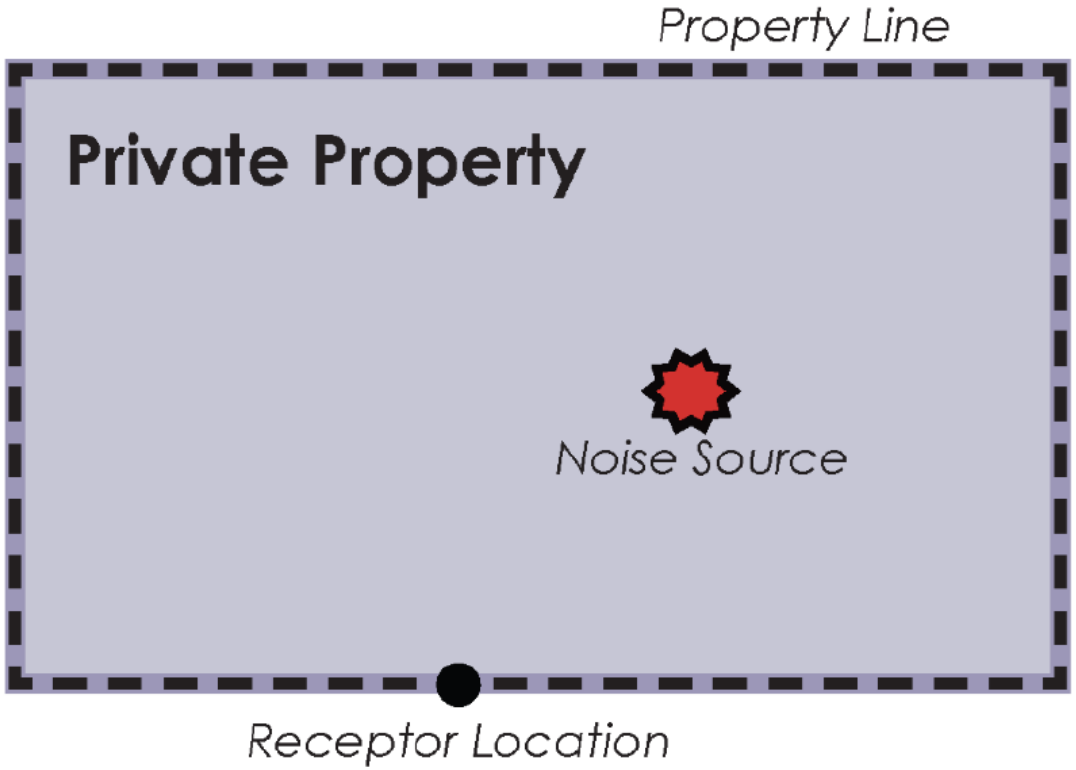
A-weighted; D=Daytime & N=Nighttime

Zoning	Proposed	Alb.	Santa Fe	Las Cruces	Farmington	Bern. Co.
Residential	D-55 dB N-50 dB	D-55 dB N-50 dB	D-55 dB N-50 dB	N/A	D-60 dB N-50 dB	D-55 dB N-45 dB
Non-Residential & Commercial	D-65 dB N-60 dB	D-65 dB N-60 dB *When residential is receptor: Outdoor D-60 dB N-55 dB Indoor D-55 dB N-50 dB	D-60 dB N-55 dB	N/A	D-65 dB N-55 dB	D-65 dB N-60 dB
Industrial & Manufacturing	D-75 dB N-70 dB	D-75 dB N-70 dB *When residential is receptor: Outdoor D-60 dB N-55 dB Indoor D-55 dB N-50 dB	D-75 dB N-70 dB	N/A	75 dB at all times	D-75 dB N-70 dB

General Measurement Methods

Proposed	Alb.	Santa Fe	Las Cruces	Farmington	Bern. Co.
Source Property Line. 10-minute period.	Measured inside structure of receptor premises; residential receptor where people live/sleep with windows open 25% with no mechanical ventilation and windows closed with mechanical ventilation. When the receptor premises is located in a residential zoning district and the source premises is located in a commercial or industrial/manufacturing zoning district, measurements shall be measured outside within 25 feet from any side of the residential structure which is nearest to the source premises. 10-minute period.	At least one foot inside affected property line. If noise measured in more than one land use category, the limits of the more restrictive use shall apply at the boundaries between different zones. 10-minute period.	Audible or aware of vibration by any person or police officer at a distance of 30 or more feet from the source. Temporary permit available for amplified sound that is noncompliant and may only be issued between 7 a.m. to midnight and no longer than 3 consecutive days.	No person on private property can cause or operate any source of sound which exceeds limits of receiving land use category when measured at or within property boundary of the receiving land use. Three readings taken at 2 minute intervals; average of the readings used.	As measured on any other property receiving the sound. Sound projecting from property of one land use category onto property of another land use category having a lower sound level limit shall not exceed the limits for the property of the land use category onto which it is projected. Rules for sound amplifying equipment limited 8 a.m. to 10 p.m.; commercial use not allowed Sundays/ holidays; max 15 dB above ambient measured at any property line; other limits applicable.

Proposed - Measuring



At the Property Line of Noise Source

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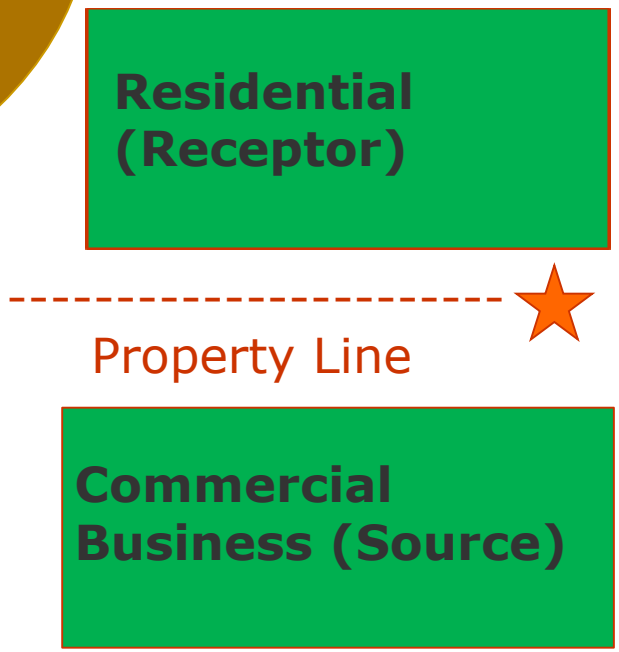
Proposed – Measuring (Non-Residential Abutting Residential Example)

Measure at the Property Line of the Noise Source, which means higher decibels and less distance



Some example communities use a greater distance by measuring at a receptor property; however, the lower (residential) decibel levels standard is applied when different zone types are abutting

★ Measuring Point

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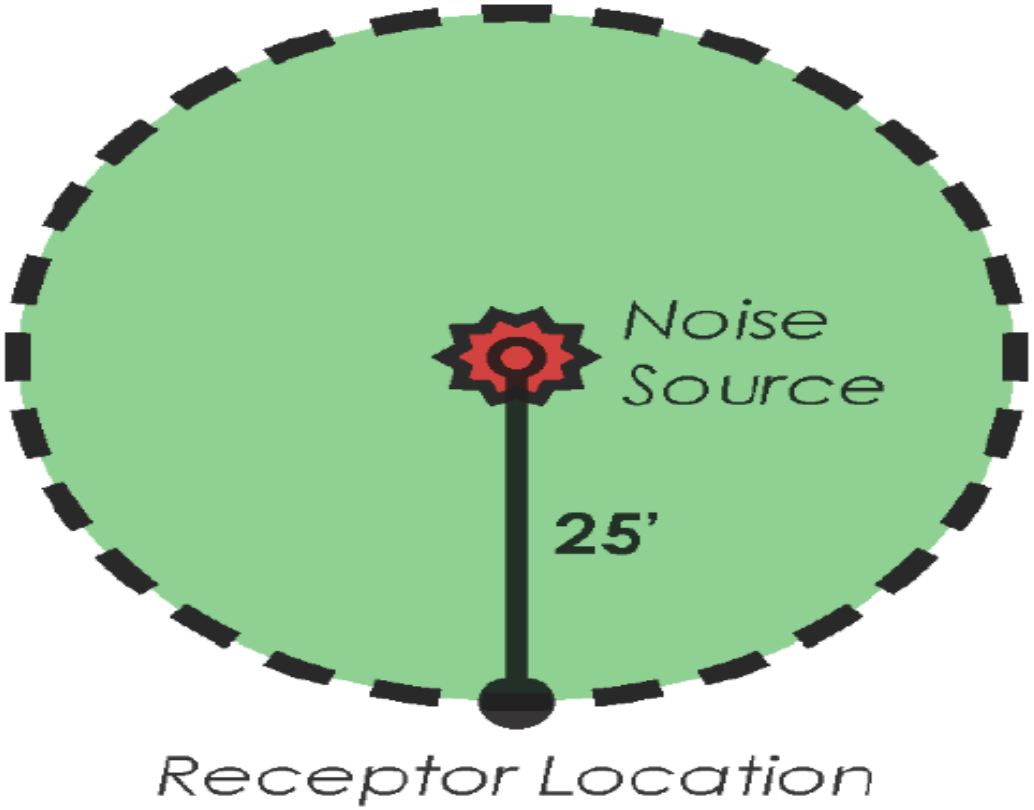
Alternative - Measuring



Twenty Five (25) Feet from Noise Source

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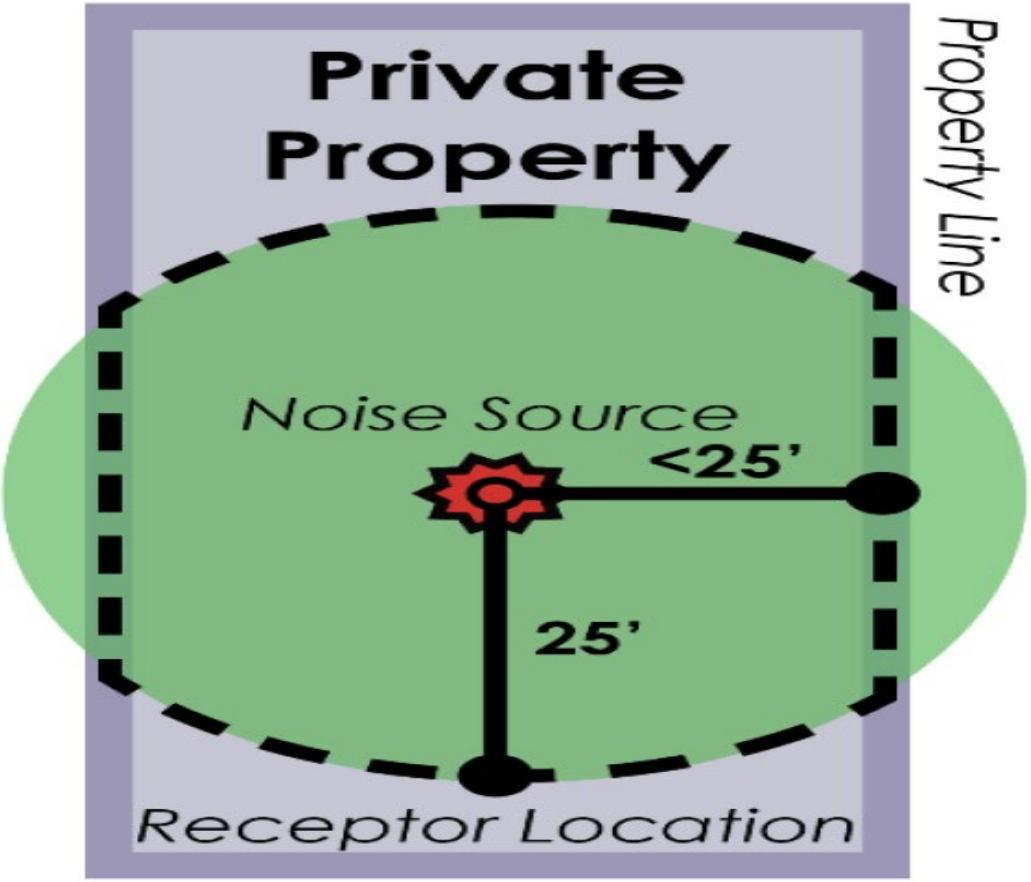
Alternative - Measuring



At the Property Line or Within the Property Boundary Up to Twenty Five (25) Feet from Noise Source

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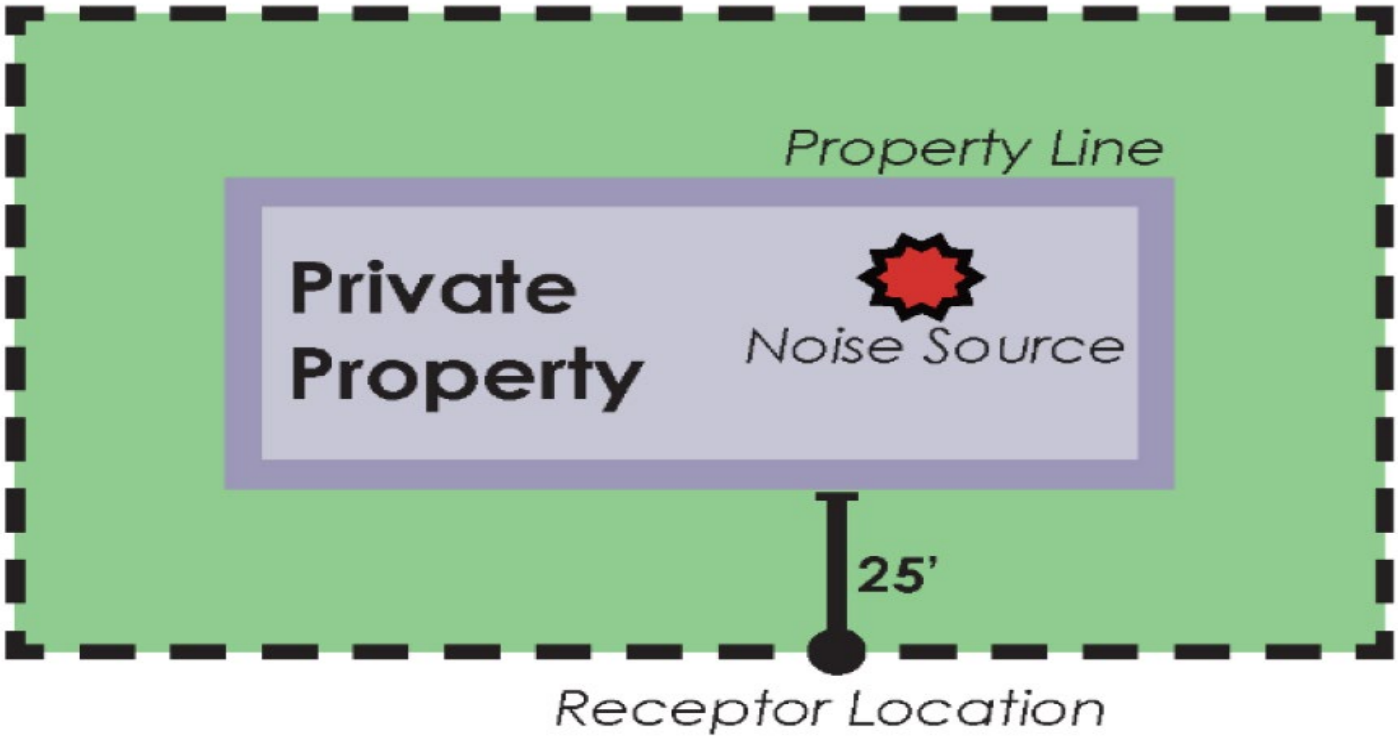
Alternative Measuring



Twenty Five (25) Feet from the Property Line of Noise Source

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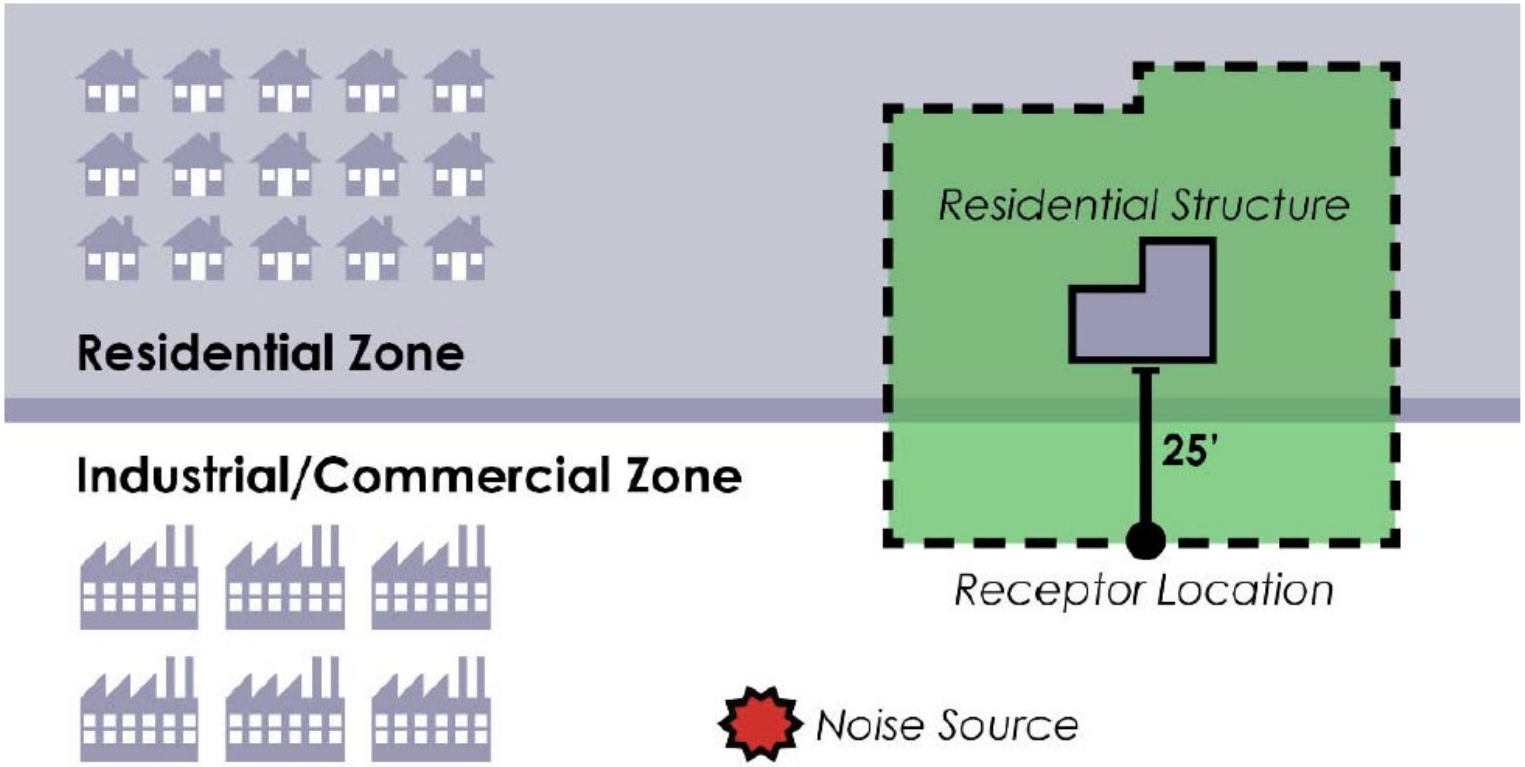
Alternative Measuring



Within Twenty Five (25) Feet of the Residential Structure Nearest the Noise Source Located in Different Zone Type

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Power Tools/Mowers,. Etc. – Potential Addition

Proposed:

D) No person shall operate or allow to be operated outdoors, any power equipment, including, but not limited to, sweepers, power mowers, leaf/snow blowers, rototillers, power saws, or other equipment used to perform gardening, property repair or other functions during the nighttime.

Alternative:

D) No person shall operate or allow to be operated outdoors, any power equipment, including, but not limited to, sweepers, power mowers, leaf/snow blowers, rototillers, power saws, or other equipment used to perform gardening, property repair or other functions during the ~~nighttime~~ hours of 8 p.m. to 7a.m. At no time when operational shall the sound level caused by or emitted from any of such equipment/tools exceed 85 dB(A) at the source premises property line.

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END

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