



Study: Sound generated by WestWing Recycling & Transfer Facility would scarcely be heard

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SUN CITY, Ariz. (Jul. 28, 2021) – The proposed WestWing Recycling & Transfer Facility would generate far less noise than what already exists in nearby neighborhoods, according to a new study.

Acoustical Consulting Services (ACS) reviewed existing decibel levels (dBA) in three neighborhoods close to the proposed WestWing site, as well as decibel levels surrounding a much larger transfer facility in Phoenix.

ACS took ambient noise level measurements at the closest residential properties to the proposed site, and the closest properties at Corte Bella. A third location was selected to examine the freeway traffic noise at the gap in the freeway wall at the El Mirage 303 off-ramp.

Among the findings:

- The closest residential properties to the site have ambient daytime noise levels between 50 and 56 decibels, mostly due to existing Loop 303 traffic.
- The closest residential properties to the site within the Corte Bella subdivision have ambient daytime noise levels between 58 and 63 decibels due to traffic on El Mirage Road.
- Corte Bella Homes located near the El Mirage Loop 303 ramp, where there is a gap in the freeway noise barrier, have an average daytime noise level of 50 decibels.

The study concludes that **the sound generated by the transfer facility would scarcely be heard, if heard at all, over existing traffic noise.**

The existing Cave Creek transfer station was used as a baseline for noise levels even though it is approximately five times the size of the proposed WestWing facility. ACS estimates that the average impact to residential properties would be less than 30 decibels, far less than existing traffic noise.

Decibels are not cumulative. When the noise level of one source is more than 10 decibels greater than the other, the combined level would not increase.

The study is the third independent review commissioned by Arizona-based Republic Services. Two earlier studies determined that the proposed facility would not impact traffic or property values in the area.

All three studies can be viewed here: <https://westwingtransfer.com/resources/>

Thus far, Republic Services has engaged more than 600 community residents via open houses, HOA meetings and town halls. We continue to welcome your questions, input and the opportunity to be a part of the neighborhood. Feel free to reach out at westwing@republicservices.com.