From:	Arne Petersen
To:	Lazar, Steve; Ford, John; humcofair@frontiernet.net
Subject:	More MND issues
Date:	Friday, April 08, 2022 1:55:55 PM

Mr. Lazar,

Then there are the problems with Wittchurches noise study.

"The nature of calculating CNEL utilizes sound adjustment values for evening hours. By shifting the time of racing to normal day time hours and ensuring racing does not proceed late into the evening hours, CNEL can be reduced. Table 6 outlines the possible reduction in CNEL based upon ceasing racing earlier in the evening."

Put Simply: Mathematically, if they avoid the weighted penalty applied to the evening and night hrs then they can't average over a 24hr period. Also,The 7pm-10pm weight factor is 5 and not 4.77. This is not a traffic study.

-Arne R.W. Petersen

Mechanical Engineer

3.2 Community Noise Equivalent Level

CNEL is a noise measurement system calculated using experimental dBA readings as opposed to computer calculations as other measurement systems are. It is calculated as follows (Caltrans, 2013).

$= 10 * 10 [(24) \sum 10((h)+)/10] = 1$

Where

CNEL = Community Noise Equivalent Level (dB)

Leq(h)i = Equivalent Noise level at the ith hour(dB)

Wi = Time weighting factor

[= 0 (7am-7pm), = 4.77 (7pm-10pm), = 10 (10pm to 7am)]

The CNEL is used as a metric to evaluate the normally experienced noise level by receptors in a pre- determined location.