### Re: EIB 21-66 (R) – In the Matter of Proposed 20.2.91 NMAC – New Motor Vehicle Emissions Standards

To Whom It May Concern,

### Thank you for the opportunity to comment on the proposed 20.2.91 NMAC – New Motor Vehicle Emissions Standards. We are, Amanda Dunn and Heidi Honegger Rogers, family nurse practitioners working in the Albuquerque area, who are concerned about how the climate crisis, specifically tailpipe pollution, is negatively affecting the health of our families, our patients, and our community members.

Transportation pollution and poor air quality are associated with an increased risk of a wide range of negative health outcomes – including asthma, cardiovascular disease, preterm and low-birthweight infants, childhood leukemia, chronic respiratory disease, and premature mortality. Unfortunately, residents in the Albuquerque metropolitan area are at the highest risk due to our unique weather and geography which traps tailpipe pollution. In fact, Bernalillo County and Sandoval County both have a failing grade for ground-level ozone, according to the American Lung Association’s 2021 State of the Air Report. Tailpipe pollution is one of the greatest contributors of poor air quality. This exposure to smog and ozone creates patients who suffer from wheezing, coughing, shortness of breath and increased susceptibility to infections. Additionally, exposure to such air pollution is associated with poor health outcomes related to COVID-19. Because we cannot change our geography or weather, the adoption of Clean Car standards is imperative to improve the health of our vulnerable population.

Please see below for additional pertinent literature.

Sincerely,

Amanda Dunn, DNP, FNP-C

Heidi Honegger Rogers, DNP, FNP-C, APHN-BC

References

Alotaibi, R., Bechle, M., Marshall, J. D., Ramani, T., Zietsman, J., Nieuwenhuijsen, M. J., & Khreis, H. (2019). Traffic related air pollution and the burden of childhood asthma in the contiguous United States in 2000 and 2010. *Environment International*, *127*, 858–867. https://doi.org/10.1016/j.envint.2019.03.041

*American Lung Association State of the air 2022*. State of the Air | American Lung Association. (n.d.). Retrieved April 25, 2022, from https://www.lung.org/research/sota

Conticini, E., Frediani, B., & Caro, D. (2020). Can atmospheric pollution be considered a co-factor in extremely high level of SARS-COV-2 lethality in northern Italy? *Environmental Pollution*, *261*, 114465. https://doi.org/10.1016/j.envpol.2020.114465

Environmental Protection Agency. (n.d.). *Particle Pollution and Cardiovascular Effects*. EPA. Retrieved April 26, 2022, from https://www.epa.gov/pmcourse/particle-pollution-and-cardiovascular-effects

Gauderman, W. J., Avol, E., Gilliland, F., Vora, H., Thomas, D., Berhane, K., McConnell, R., Kuenzli, N., Lurmann, F., Rappaport, E., Margolis, H., Bates, D., & Peters, J. (2004). The effect of air pollution on lung development from 10 to 18 years of age. *New England Journal of Medicine*, *351*(11), 1057–1067. https://doi.org/10.1056/nejmoa040610

Guo, C., Zhang, Z., Lau, A. K., Lin, C. Q., Chuang, Y. C., Chan, J., Jiang, W. K., Tam, T., Yeoh, E.-K., Chan, T.-C., Chang, L.-Y., & Lao, X. Q. (2018). Effect of long-term exposure to fine particulate matter on Lung Function Decline and risk of chronic obstructive pulmonary disease in Taiwan: A longitudinal, cohort study. *The Lancet Planetary Health*, *2*(3). https://doi.org/10.1016/s2542-5196(18)30028-7

Javed, A., Aamir, F., Gohar, U. F., Mukhtar, H., Zia-UI-Haq, M., Alotaibi, M. O., Bin-Jumah, M. N., Marc (Vlaic), R. A., & Pop, O. L. (2021). The potential impact of smog spell on humans’ health amid covid-19 rages. *International Journal of Environmental Research and Public Health*, *18*(21), 11408. https://doi.org/10.3390/ijerph182111408

U.S. Department of Health and Human Services. (n.d.). *Air pollution and your health*. National Institute of Environmental Health Sciences. Retrieved April 25, 2022, from https://www.niehs.nih.gov/health/topics/agents/air-pollution/index.cfm#:~:text=Air%20pollution%20can%20affect%20lung,are%20linked%20to%20chronic%20bronchitis.

World Health Organization. (n.d.). *Air Pollution*. World Health Organization. Retrieved April 25, 2022, from https://www.who.int/health-topics/air-pollution#tab=tab\_1

World Health Organization. (n.d.). *Ambient (outdoor) Air Pollution*. World Health Organization. Retrieved April 25, 2022, from https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health

Wu, X., Nethery, R. C., Sabath, M. B., Braun, D., & Dominici, F. (2020). Air pollution and covid-19 mortality in the United States: Strengths and limitations of an ecological regression analysis. *Science Advances*, *6*(45). https://doi.org/10.1126/sciadv.abd4049