

# SAN YSIDRO SCHOOL DISTRICT GOVERNING BOARD AGENDA

**TO:** Governing Board

**BOARD MEETING DATE:** January 23, 2020

**VIA:** Gina A. Potter, Ed.D.  
Superintendent

**FROM:** Maintenance, Operations, Transportation & Facilities  
Paulo Azevedo, Director

**INITIAL:** mw  
 Informational  
 Action

**AGENDA ITEM:** RESOLUTION NO. 19/20-0025 ESTABLISHING A ZERO-EMISSION SCHOOL TRANSPORTATION

**BACKGROUND INFORMATION:**

With the everyday concern with air quality in California. This district has a considerable opportunity to protect the health and welfare of its school children while simultaneously advancing California's climate goals and doing so cost effectively and according to the EPA

The District recognizes that establishing a zero emission program with the given available financial incentive programs can/will help the district with electric school buses and when considering the significant fuel cost savings made possible by California's Low Carbon Fuel Standard (LCFS) program (in some cases covering most of even the full cost of electricity), the total cost of ownership for school buses can be positive; producing savings to school districts.

**RECOMMENDATION:**

Adopt Resolution No. 19/20-0025.

**LCAP GOAL AND ACTION/SERVICE (please indicate):**

Renewal     New     Amendment     Ratify     Other

**Business Services Reviewed:** mw  
 Requisition #

Financial Implications?

Are funds for this item available in the 2019-2020 Budget?

Yes     No

Yes     No

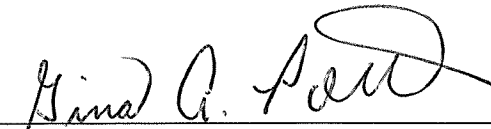
N/A  
 (Amount)

N/A  
 (Name of funding source and/or location)

(Funding account number)

Recommended for:     Approval     Denial    Certification Requested     Yes     No

**Superintendent's Office Certification:**

  
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 Gina A. Potter, Ed.D., Superintendent  
 Secretary to the Board

## RESOLUTION NO. 19/20-0025

### Resolution of the Governing Board of the San Ysidro School District Establishing a Zero-Emission School Transportation

The San Ysidro School District with partnership with Mothers Out Front and advice/knowledge from International Brotherhood of Electrical Workers (IBEW) Local 569 and Sierra Club California appreciates the work and dedication to support the District with this Zero-Emission School Transportation resolution.

WHEREAS—School buses transport millions of children to school every day. The American School Bus Council (ASBC) estimates that 480,000 buses carry 26 million children daily, making it the largest form of mass transit in the United States.<sup>1</sup> In California, school districts provide transportation between home and school for about one in eight students

WHEREAS—On average, each school bus carries 54 children per day for 180 days of the year, traveling 12,000 miles per year.<sup>2</sup>

WHEREAS – Compared to non-Hispanic Whites, asthma prevalence among African Americans is 40 percent higher, rates of emergency department (ED) visits and hospitalizations are about 4 times higher. California’s American Indian\ Alaska Native, Pacific Islander, and Filipino populations also are more adversely affected by asthma compared to non-Hispanic Whites. Low income is a significant risk factor for asthma morbidity in California. Household income below \$20,000 is associated with poor asthma control and higher rates of asthma hospitalizations and ED visits.<sup>3</sup>

WHEREAS—This district has a considerable opportunity to protect the health and welfare of its school children while simultaneously advancing California’s climate goals and doing so cost effectively and according to the EPA <sup>4</sup>

WHEREAS—Schools can safeguard children from the harmful effects of emissions from school bus pollution by establishing zero-emission school bus fleets.

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<sup>1</sup> ASBC, *supra* n. 4.

<sup>2</sup> *Id.*

<sup>3</sup> Strategic Plan for Asthma in California, 2015–2019, [https://www.cdph.ca.gov/Programs/CCDC/DCDC/DEOD/EDD/CDPH%20Document%20Library/SPAC2014\\_7-28-15APR.pdf](https://www.cdph.ca.gov/Programs/CCDC/DCDC/DEOD/EDD/CDPH%20Document%20Library/SPAC2014_7-28-15APR.pdf)

<sup>4</sup> U.S. Environmental Protection Agency, What you should know about diesel exhaust and school bus idling (June 2003), <https://nepis.epa.gov/Exe/tiff2png.cgi/P100304H.PNG?-r+75+-g+7+D%3A%5CZYFILES%5CINDEX%20DATA%5C00THRU05%5CTIFF%5C00001280%5CP100304H.TIF>

WHEREAS—Switching to an electric bus an estimated 20,000 pounds of NOx and over 350 pounds of diesel particulate matter over a 12-14yr bus lifecycle. This is equivalent to taking 27 new cars off the road.

WHEREAS—Electric School buses have zero fuel costs as well as lower operating and maintenance costs than diesel school buses.<sup>5</sup>

WHEREAS—Electric school buses also have the potential to create energy storage options for utilities through vehicle to grid (V2G) technology, which will help states reduce emissions in the state and will position school districts for possible future additional revenue from their utility if such programs are offered in the future.<sup>6</sup>

WHEREAS –Whereas: there are more than 15 school districts in the state that have already begun to implement electric school buses.

WHEREAS— Given available financial incentive programs and when considering the significant fuel cost savings made possible by California’s Low Carbon Fuel Standard (LCFS) program (in some cases covering most of even the full cost of electricity),the total cost of ownership for school buses can be positive; producing savings to school districts.

WHEREAS – the Electric Vehicle Infrastructure Training Program provides skilled training for state-certified electricians to safely install electric vehicle charging infrastructure, including charging technologies and associated electrical infrastructure for zero-emission school buses.

Recognizing that the establishment of an electric school bus fleet will help prevent children from developing respiratory diseases and childhood asthma while protecting those who already suffer.<sup>7</sup>

THEREFORE, BE IT RESOLVED that to promote a healthier environment for its students, combat climate change and help San Ysidro School District become a cleaner community, the San Ysidro School Board hereby:

1. Adopts a program to transition the district’s school bus fleet to 100% zero-emission.

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<sup>5</sup> ELPC, *supra* n. 1.

<sup>6</sup> Electric Buses: Clean Transportation for Healthier Neighborhoods and Cleaner Air; Frontier Group and U.S. PIRG Education Fund, Alana Miller and Hye-Jin Kim, Frontier Group and Jeffrey Robinson and Matthew Casale, U.S. PIRG Education Fund, May 2018, <https://pennenvironment.org/sites/environment/files/reports/Electric%20Buses%20-%20PA%20-%20May%202018.pdf>

<sup>7</sup> Natural Resources Defense Council and Coalition for Clean Air, *No Breathing in the Aisles: Diesel Exhaust Inside School Buses* 12, 14 (Jan. 2001), <https://www.nrdc.org/sites/default/files/schoolbus.pdf>.  
U.S. CDC, *supra* n. 5.

2. Beginning no later than January 1, 2021 All new buses provided through incentive programs, purchased or leased by the District will be zero-emission, if or when economically feasible.
3. Calls on the District to develop a plan to present to the Board that includes, but is not limited to, the following:
  - A. A transition plan to adopt 100% zero emission bus technologies
  - B. Describing eligible funding sources for both procurement of buses and financial assistance for operating expenses, including local, state, federal grant opportunities and any potential group purchasing agreements with other school districts.
  - C. Identifying local routes for electric buses.
  - D. The results of convening a working group with representatives of San Diego Gas and Electric on,
    - Assistance they can provide on paying for the installation of electric service upgrades and chargers.
    - Assistance they can provide through recommendations on optimal electric tariffs and/or the implementation of newly designed tariffs to lower electricity costs.
  - E. A report of school districts that have deployed zero-emission buses in California.
  - F. An analysis will be provided by the manufacturer along with the Transportation department showing approximately the reduction in GHG and criteria pollutant emissions that would result from providing 100% renewable energy to power an electric school bus fleet.

BE IT FURTHER RESOLVED, the District's transition to a 100% zero emission bus fleet will include re-training existing staff in how to professionally maintain zero emission buses and the maintenance work shall be done by current re-trained unionized labor. Personnel who maintain the buses shall have the proper knowledge and training to safely work on electric buses. As new unionized staff are hired, access will be made available to individuals facing significant barriers to employment. To ensure charging infrastructure is installed safely and meets all code requirements, the District will require all electricians who construct, install and maintain electric bus charging infrastructure to have Electric Vehicle Infrastructure Training Program (EVITP) certification.

BE IT FURTHER RESOLVED, the District will reference and use the U.S. Employment Plan to evaluate and score request for proposals with the aim of encouraging commitments to creating good jobs and improving access for people historically excluded from manufacturing jobs.<sup>8</sup>

BE IT FINALLY RESOLVED, the District will increase its use of clean, renewable energy. The District shall consider the use of onsite solar, energy storage, and other clean, renewable energy strategies into the electrification infrastructure build-out plan.

**PASSED AND ADOPTED** by the Governing Board of the San Ysidro School District this 23rd day of January 2020, by the following vote;

AYES:

NOES:

ABSENT:

ABSTAIN:

STATE OF CALIFORNIA )  
COUNTY OF SAN DIEGO )

I, Rodolfo Lopez, Clerk of the Governing Board of the San Ysidro School District, County of San Diego, State of California, do hereby certify that the foregoing is a true copy of a resolution adopted by said Board at a meeting thereof, at the time and by the vote therein stated, which original resolution is on file in the office of said Board.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Clerk of the Governing Board

<sup>8</sup> Delivering Opportunity: How Electric Buses and Trucks Can Create Jobs and Improve Public Health in California, Union of Concerned Scientists and Greenlining Institute, Jimmy O’Dea, Union of Concerned Scientists, and Sara Chandler and Joel Espino, The Greenlining Institute, October 2016,  
<http://www.ucsusa.org/sites/default/files/attach/2016/10/UCS-Electric-Buses-Report.pdf>

See also: The US Employment Plan was developed by a team of experts from LAANE, the Brookings Institution, the University of Southern California’s Program for Environmental and Regional Equity, and the University of Massachusetts at Amherst’s Political Economy Research Institute (JMA n.d.). For more information, visit <http://jobstomoveamerica.org/resources/u-s-employment-plan-resources-2> .