



RESOLUTION

URGING THE CITY ADMINISTRATION TO IMPLEMENT A PILOT PROGRAM, ADOPT A COMPREHENSIVE TRANSITION PLAN, AND MOVE TO ALL ZERO-EMISSION ELECTRIC BUSES.

WHEREAS, the State of Hawaii has: 1) set a requirement to reduce greenhouse gas emissions in the State to 1990 levels by 2020, 2) committed to a 100% renewable energy portfolio standard by 2045, which makes Hawaii the first state in the nation to set such a goal, and 3) adopted a policy of ultimately eliminating fossil fuel use in ground transportation; and

WHEREAS, the City and County of Honolulu has: 1) created an Office of Climate Change, Sustainability and Resiliency as a result of a 2016 Charter Amendment proposal approved by Oahu voters, and 2) embraced Resolution 17-166, adopted by the City Council, which expresses the Council's commitment to sustainable transportation and the environment through the purchase of zero-emission electric buses; and

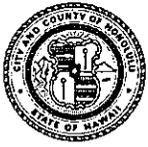
WHEREAS, during Fiscal Year 2016, TheBus provided over 68 million passenger trips and operated a fleet of 542 buses, including 389 standard 40-foot buses and 115 60-foot articulated buses; and

WHEREAS, of its total bus fleet of 542 buses, none are zero-emission electric buses and only 80 are hybrid buses, which provide partial electric-based power, but still rely on diesel fuel to operate; and

WHEREAS, other major U.S. cities including New York, Los Angeles, and San Francisco plan to phase out all diesel buses by the end of 2020, and moreover, after a successful pilot project, the Antelope Valley Transit Authority (California) will be replacing all 75 of their fleet buses with zero-emission electric buses by 2018, thereby becoming the first fully electric bus fleet in the United States; and

WHEREAS, the Mayor has publicly expressed his desire to have a zero-emission electric bus pilot program implemented by the end of 2017, and the Council has appropriated \$10 million for this purpose; and

WHEREAS, federal funding is available to establish zero-emission electric bus systems and the associated infrastructure, as reflected in the following grants, all made in 2016: 1) The Federal Transit Administration ("FTA") provided \$211 million in grants for buses and bus facilities projects, which included the replacement and purchase of buses, equipment, and facilities, 2) the FTA provided \$55 million through the "Low or No



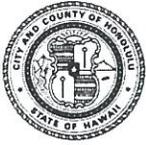
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Emission Competitive Program" for the purchase or lease of zero-emission and low-emission transit buses as well as the acquisition, construction, and leasing of required supporting facilities; and 3) the FTA provided \$500 million through the "Transportation Investment Generating Economic Recovery" grant program to fund innovative, multi-modal and multi-jurisdictional transportation projects that promise significant economic and environmental benefits to an entire metropolitan area; and

WHEREAS, the economic, environmental, and health benefits of transitioning to a zero-emission electric bus fleet include the following:

- Economic benefits: 1) reducing and eventually eliminating petroleum use in public ground transportation benefits Honolulu's economy by reducing the amount of taxpayer money spent importing foreign oil, 2) with no gasoline engine, fuel, and exhaust systems, zero-emission electric transit buses have potentially lower repair and maintenance costs, and 3) zero-emission electric buses, which can be charged at any time based on fleet operational schedules, can assist in the expansion of residential and commercial photovoltaic programs that will increase the supply and collection of clean, renewable energy by using excess solar power that is fed into the grid between 10:00 a.m. and 3:00 p.m., as well as during other off-peak rate periods when an advantageous rate schedule may result in savings of an estimated 60-65 percent when compared with the cost of diesel fuel; and
- Environmental and health benefits: 1) Given that transportation is one of the most significant contributors to climate change and is the fastest-growing source of greenhouse gas emissions, deploying zero-emission electric transit buses will lower greenhouse gas emissions and reduce Honolulu's climate change impact, 2) unlike diesel engine exhaust, which contains more than forty toxic air contaminants and is classified by the Environmental Protection Agency as "likely to be carcinogenic" to humans, zero-emission electric transit buses emit no particulate matter, nitrogen oxides, sulfur dioxide, carbon monoxide or other particles that have been shown to be harmful to human health, and 3) zero-emission electric transit buses are significantly quieter than diesel and diesel-electric hybrid buses and will reduce the noise impacts of the public transit system. Excessive and prolonged noise levels have been shown, among other impacts, to result in rapid heart rate, increased blood pressure, and hearing loss; and

WHEREAS, the Council finds that these are compelling reasons for the City to transition to a zero-emission electric bus fleet; now, therefore,



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BE IT RESOLVED by the Council of the City and County of Honolulu that it urges the City Administration to implement a pilot program, adopt a comprehensive transition plan, and move to all zero-emission electric buses; and

BE IT FURTHER RESOLVED that the City Administration is urged to: 1) initiate a limited scope, short-term pilot program by the end of 2017, 2) subsequently adopt a comprehensive transition plan and timetable that reflects input and feedback from all relevant stakeholders, including Federal and State regulators, and Hawaiian Electric Company, and 3) ultimately replace all diesel and diesel-electric hybrid buses with zero-emission electric transit buses in accordance with long-term bus fleet management and procurement considerations; and

BE IT FURTHER RESOLVED that the Director of Transportation Services report to the Council on the City's progress in transitioning to a zero-emission electric bus fleet no later than December 31, 2017; and

BE IT FINALLY RESOLVED that a copy of this resolution will be transmitted to the Mayor, Managing Director, and Director of Transportation Services.

INTRODUCED BY:

[Handwritten signature]

CLERK OF THE CITY COUNCIL

DATE OF INTRODUCTION:

AUG 23 2017

Honolulu, Hawaii

Councilmembers

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII
CERTIFICATE

RESOLUTION 17-237

Introduced: 08/23/17 By: JOEY MANAHAN

Committee: TRANSPORTATION
AND PLANNING

Title: RESOLUTION URGING THE CITY ADMINISTRATION TO IMPLEMENT A PILOT PROGRAM, ADOPT A COMPREHENSIVE TRANSITION PLAN, AND MOVE TO ALL ZERO-EMISSION ELECTRIC BUSES.

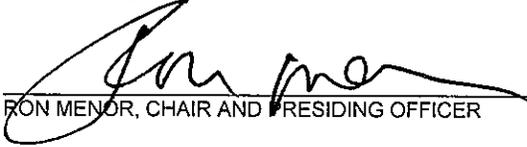
Voting Legend: * = Aye w/Reservations

10/26/17	TRANSPORTATION AND PLANNING	CR-418 – RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION.
11/01/17	COUNCIL	CR-418 AND RESOLUTION 17-237 WERE ADOPTED. 8 AYES: ANDERSON, ELEFANTE, FUKUNAGA, KOBAYASHI, MANAHAN, MENOR, OZAWA, PINE. 1 ABSENT: MARTIN.

I hereby certify that the above is a true record of action by the Council of the City and County of Honolulu on this RESOLUTION.



GLEN J. TAKAHASHI, CITY CLERK



RON MENOR, CHAIR AND PRESIDING OFFICER