

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City

EIGHTEENTH CONGRESS
Third Regular Session



COMMITTEE REPORT NO. 1484

Submitted by the Committee on Science and Technology on May 24, 2022

Re: House Resolution No. 2593

Recommending its adoption in substitution of House Resolution No. 1611

Sponsors: Representatives Erico Aristotle C. Aumentado and Roman T. Romulo

Mr.Speaker:

The Committee on Science and Technology, to which was referred House Resolution No. 1611 introduced by Rep. Roman T. Romulo, entitled:

**“A RESOLUTION
COMMENDING GREGORIO GO VILLAR III, GENEVIE V. YANG, AND EDWARD
GONZALES FOR THEIR VITAL CONTRIBUTION IN THE SAFE LANDING OF THE
PERSEVERANCE ROVER ON PLANET MARS”**

has considered the same and recommends that the attached House Resolution No. 2593 entitled:

**“RESOLUTION
COMMENDING AND CONGRATULATING GREGORIO GO VILLAR III, GENEVIE V.
YANG, AND EDWARD GONZALES FOR THEIR VITAL ROLE IN ENSURING THE
SUCCESS OF THE EXPLORATION MISSION TO THE PLANET MARS LAUNCHED
BY THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION OF THE
UNITED STATES OF AMERICA”**

be adopted in substitution of House Resolution Numbered 1611, with Reps. Roman T. Romulo, Erico Aristotle C. Aumentado, Faustino “Inno” A. Dy V, Ciricaco B. Gato Jr., Macnell M. Lusotan, Carlito S. Marquez, Faustino Michael Carlos T. Dy III, Marvey A. Marino, Christopher De Venecia, Strike Revilla, John Marvin “Yul Servo” Nieto, Domingo C. Rivera, Francis Gerald A. Abaya, as authors thereof.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Erico Aumentado', written over a horizontal line.

ERICO ARISTOTLE C. AUMENTADO
Chairperson
Committee on Science and Technology

THE HONORABLE SPEAKER
HOUSE OF REPRESENTATIVES
Quezon City

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City, Metro Manila

EIGHTEENTH CONGRESS
Third Regular Session

HOUSE RESOLUTION NO. 2593
(In substitution of House Resolution No. 1611)

Introduced by Reps. Roman T. Romulo, Erico Aristotle C. Aumentado, Faustino “Inno” A. Dy V, Ciricaco B. Gato Jr., Macnell M. Lusotan, Carlito S. Marquez, Faustino Michael Carlos T. Dy III, Marvey A. Marino, Christopher De Venecia, Strike Revilla, John Marvin “Yul Servo” Nieto, Domingo C. Rivera, and Francis Gerald A. Abaya

“RESOLUTION

COMMENDING AND CONGRATULATING GREGORIO GO VILLAR III, GENEVIE V. YANG, AND EDWARD GONZALES FOR THEIR VITAL ROLE IN ENSURING THE SUCCESS OF THE EXPLORATION MISSION TO THE PLANET MARS LAUNCHED BY THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION OF THE UNITED STATES OF AMERICA”

WHEREAS, on July 30, 2020, the National Aeronautics and Space Administration (NASA) launched Mars 2020, a mission tasked to explore the Jezero Crater on the Planet Mars through the Perseverance Rover and Ingenuity Helicopter;

WHEREAS, the Exploration Mission was NASA’s first Astrobiology-focused undertaking to collect and store rock and soil samples from the surface of Mars, and ferry them back to Earth for detailed study and analysis of the existence of microbial life;

WHEREAS, the three major components of the Mars 2020 spacecraft are the 539 kg (1,188 lb) cruise stage for travel between Earth and Mars; the Entry, Descent, and Landing System (EDLS) that includes the 575 kg (1,268 lb) aeroshell descent vehicle + 440 kg (970 lb) heat shield; and the 1,070 kg (2,360 lb) fueled mass descent;

WHEREAS, three Filipino-American engineers namely, Gregorio G. Villar III, Genevie Yang, and Edward Gonzales were among the thousands of scientists and technicians involved in the historic mission;

WHEREAS, Gregorio G. Villar III, an EDL Systems Engineer at the NASA Jet Propulsion Laboratory (JPL), was also the Head Verification and Validation Engineer for the EDL Phase;

WHEREAS, Villar III attended the St. Louis University High School in Baguio City, and obtained a Bachelor's degree in Physics from the California State Polytechnic University, and a doctoral degree in Astronautical Engineering from the University of Southern California;

WHEREAS, Genevie Yang, a Flight Systems Engineer at NASA JPL, who was born in Biñan City, Laguna and whose family migrated to the United State of America when she was 5 years old, was a member of the team that tested the flight software of THE Perseverance Rover and worked with the Uplink Team that ensured the efficiency of the spacecraft while at launch cruise;

WHEREAS, Edward Gonzales, whose parents hail from Quezon City and Cavite, was the Lead Engineer of the Electromagnetic Compatibility team that launch-tested and ascertained that all the individual subsystems and instruments of the Perseverance Rover would perfectly perform in the electromagnetic environment, and successfully collected and transmitted data from the Perseverance Rover to the NASA base on Earth, despite –electromagnetic interference from all the units onboard;

WHEREAS, Villar III, Yang, and Gonzales deserve the recognition for their role and exemplary performance in the high-priority science space exploration to Mars, for inspiring the Filipino youth, and giving pride to the nation;

NOW, THEREFORE, BE IT RESOLVED, as it is hereby resolved, for the House of Representatives to commend and congratulate Gregorio G. Villar III, Genevie V. Yang and Edward Gonzales for their vital role in ensuring the success of the exploration mission to the Planet Mars launched by the National Aeronautics and Space Administration of the United States of America”

Adopted,