Republic of the Philippines
HOUSE OF REPRESENTATIVES
Batasan Hills, Quezon City

EIGHTEENTH CONGRESS
First Regular Session

House Resolution No. 561

Introduced by Congressman LORD ALLAN JAY Q. VEILASCO

RESOLUTION COMMENDING AND RECOGNIZING
FILIPINA SCIENTIST JENNY ANNE BARRETTA FOR HER
EXTRAORDINARY CONTRIBUTION TO MARINE SCIENTIFIC RESEARCH
WITH HER DISCOVERY OF APOLAKI CALDERA IN THE PHILIPPINE RISE

WHEREAS, on 21 October 2019, Jenny Anne Barretto, a Filipina marine geophysicist who
is based in New Zealand, grabbed the headlines for her discovery of the world’s largest
caldera located in Philippine Rise, an underwater plateau east of Luzon and within the
country’s continental shelf;

WHEREAS, Apolaki caldera, formerly a volcano that erupted and then collapsed upon its
magma chamber, has a diameter of 150 kilometers and is more than twice the size of
Yellowstone, one of the largest calderas in the planet;

WHEREAS, the name Apolaki gives homage to the Filipino god of sun and war;

WHEREAS, National Security Adviser Hermogenes C. Esperon, Jr. has recently
mentioned in the groundbreaking and first ever National Marine Summit that Apolaki
caldera may become a potential source for hydrothermal power systems;

WHEREAS, Barretto’s discovery of the Apolaki caldera is a source of pride and a beacon
of hope for Filipino scientists everywhere and it underscores the significance of allocating
crucial funding and support for marine scientific research in the country, among others;

WHEREAS, Barretto’s discovery opens up immense possibilities and opportunities in the
further exploration and conduct of marine scientific research in the Philippine Rise, an
underwater geo-marvel and a shelter of God-given marine resources and potential
energy sources;

NOW, THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED, by the House
of Representatives, to commend and recognize Jenny Anne Barretto for her exemplary
scientific work that led to the discovery of Apolaki caldera in the Philippine Rise and her
immeasurable contribution to the Filipino marine science community and body of
knowledge.

Adopted,

[Signature]

LORD ALLAN JAY Q. VEILASCO