

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. VELASCO

**RESOLUTION COMMENDING AND RECOGNIZING
FILIPINA SCIENTIST JENNY ANNE BARRETTO 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,


LORD ALLAN JAY Q. VELASCO