

RESOLUTION OF  
EASTERN WASHINGTON SECTION OF THE AMERICAN NUCLEAR SOCIETY  
IN SUPPORT FOR  
THORIUM CONVERTER FAST REACTOR CONCEPTS

TO THE HONORABLE SAMUEL W. BODMAN, SECRETARY OF THE UNITED STATES  
DEPARTMENT OF ENERGY

The Eastern Washington Section of the American Nuclear Society (EWS-ANS) is a scientific and educational organization composed of approximately 125 scientists, engineers, and educators dedicated to the safe application of nuclear science and technology; and

Global Nuclear Energy Partnership (GNEP), announced February 6, 2006, will develop and demonstrate Advanced Burner Reactors (ABRs) that consume transuranic elements (plutonium and other long-lived radioactive material) while extracting their energy. The development of ABRs will build an improved nuclear fuel cycle that recycles used fuel. This will use a nuclear fuel cycle that enhances energy security while promoting non-proliferation; and

The Tri-Cities, Washington State area has unique facilities, qualified scientists, engineers and labor that are needed to fully participate in Generation IV and GNEP advancements; and

The Thorium based fuel cycle is an emerging international fuel cycle standard in several nations. Thorium is more abundant than uranium; and

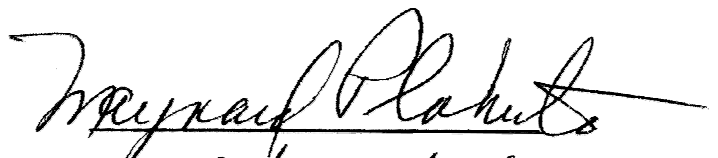
The Thorium based fuel cycle is not currently one of the systems being evaluated in Generation IV; and

The Thorium fuel cycle has the potential to utilize the tremendous energy of recycled fuel, and has an enormous potential for the production of specific medical/industrial isotopes and transmutation of waste; and

A proprietary thorium converter reactor concept was presented to this Section by Thorenco LLC at the September 2005 meeting; and this august scientific body evaluated the design and found it to have merit.

IT IS THEREFORE RESOLVED that the EWS-ANS supports the thorium converter reactor concepts; supports further computational development; and supports the addition of a thorium converter reactor into Generation IV and GNEP development.

Maynard Plahuta, Chairman  
By Unanimous Direction of the Board



2/22/06