Saint Martin's
U N I V E R S I T Y

ACS
Chemistry for Life™

Dr. Kenneth L. Nash

Department of Chemistry, Washington State University

will speak on

"How Will We Power the Future? The case for more nuclear energy"

February 10th, 2014 at <u>two times and locations</u>:

9:30AM, room N-201
Bellevue College, Bellevue, WA

5 PM, Harned Hall 110
Saint Martin's University, Lacey, WA

Both lectures are free and open to the public

Abstract: In the first half of the 19th Century, the approximately 1 billion inhabitants of planet Earth derived primary power from "renewable" wood, wind, water, and muscle power – civilization advanced and population grew. The second half of the 19th and the 20th Century was the age of fossil carbon discovery and exploitation during which 92-95% of primary power in the U.S. was provided by coal, oil, and gas. During this period, the developed world experienced tremendous technological growth and in general human longevity increased (despite two world wars), as did the global population base (3 billion in 1960). At the beginning of the 21st century, a more diverse mix of energy production options still includes 85% fossil carbon combustion. Today, the prospects and potential impacts of climate change have spurred consideration of other options. In this presentation, the strengths and limitations of fission-based nuclear energy will be discussed and compared with the benefits and liabilities of other power production options.

Dinner with the speaker at 7:00PM at Budd Bay Café
www.buddbaycafe.com
RSVP required by 2/5/14 for dinner reservations to Arwyn Smalley: asmalley@stmartin.edu, or (206) 290-7122

Park at SMU in lot M for easiest access to Harned Hall (building 6 on the map). If lot M is full, park in lot N by the Worthington Pavilion. (Avoid Handicapped and orange permit spots unless you have a permit.)

Parking map and regulations for SMU may be found at:
http://www.stmartin.edu/security/Policies/SafetyParkingBrochure610.pdf