

COLLOQUIUM

Nuclear Fuel Cycle, Front End Supply

Penny Quinn

March 28, 2018

4:00 p.m. - Wilson Hall, One West

For twenty years after the fall of the Soviet Union, up to 10% of the electricity generated in the United States came from uranium recycled from Soviet nuclear weapons. The “Megatons to Megawatts” program was a unique partnership in which bomb-grade uranium from dismantled Russian nuclear warheads was downblended and used to produce fuel for American nuclear power plants. As a liaison between the United States and the former Soviet Union, my presentation will describe the “Front End” of the Nuclear Fuel Cycle. It will include a look at the various components of nuclear fuel supply and how the material makes its way to the nuclear plants - and how historical events have impacted the process and the markets over time.