

Executive Summary:

Missouri University of Science & Technology (Missouri S&T) is pleased to submit this proposal for scholarships for undergraduate students pursuing B.S. degrees in Nuclear Engineering. Dr. Arvind S. Kumar, Professor and Program Chair of Nuclear Engineering will administer the scholarship program (contact information- E-mail: kumar@mst.edu).

The NRC funding will be leveraged, partially, by a cash gift of \$50,000 per year from Exelon Nuclear Corporation to support undergraduate and graduate education. The entirety of the requested NRC funding will provide undergraduate scholarships to defray the cost of fees for 30 full time students each year for two years. Thirty (30) high quality students with a minimum GPA of 3.0/4.0 will be selected from a pool of 108 students (including 20 females and 6 minorities) expected to be in the next year's undergraduate class. The selection criteria will primarily be academic merit (GPA) with consideration given to financial need. Participation of women, minorities, and students with disabilities will be encouraged and promoted (the scholarship committee members includes a woman and two minorities). When combined with scholarships provided by Missouri S&T, the outstanding juniors and seniors with high GPAs (>3.25) will receive adequate scholarship awards to pay for all fees at Missouri S&T. The NRC scholarship grant will assist in providing a significant fraction (~6%) of the nation's approximately 500 expected graduates with a B.S. degree in Nuclear Engineering each year (2010-2012) who would be capable of supporting the design, construction, operation and regulation of nuclear facilities and the safe handling of nuclear materials. Success of the NRC grant is assured based on the outcome of our current scholarship grant from NRC (2008-2010).

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