



Economic Benefits of the Spallation Neutron Source

The Spallation Neutron Source (SNS) will be the world's foremost neutron-scattering facility, and when coupled with the High Flux Isotope Reactor, will make Oak Ridge a center for neutron science. In addition to the long-term benefits of the scientific research that will be performed at SNS, the construction project is having an immediate impact on the local economy. SNS is being built on Chestnut Ridge, an 80-acre site at Oak Ridge National Laboratory (ORNL) in Oak Ridge,

Tennessee, and this one-of-a-kind facility is bringing jobs and money to the East Tennessee area. SNS is expected to host 1,000 to 2,000 visiting scientists each year. These visits could range from several days to a week. Work at SNS is likely to generate new business in chemicals, metals, plastics, pharmaceuticals, and instrument development.



Construction on Schedule

Overall construction of SNS is about 70% complete as of October 2003. Many buildings are complete, with equipment installation in progress. Foundation placement and structural steel erection are well along for the last major building, the Central Lab and Office Building (photo at right).



Project structures call for ~80,000 cubic yards of concrete, equivalent to a sidewalk three feet wide from Knoxville to Nashville—or the amount of concrete needed to build TVA's Fort Loudon Dam.



The SNS water tower is visible from the air when coming into Knoxville's airport from the northwest.



Accelerator commissioning began in August with successful delivery of an ion beam to drift-tube linac 1.

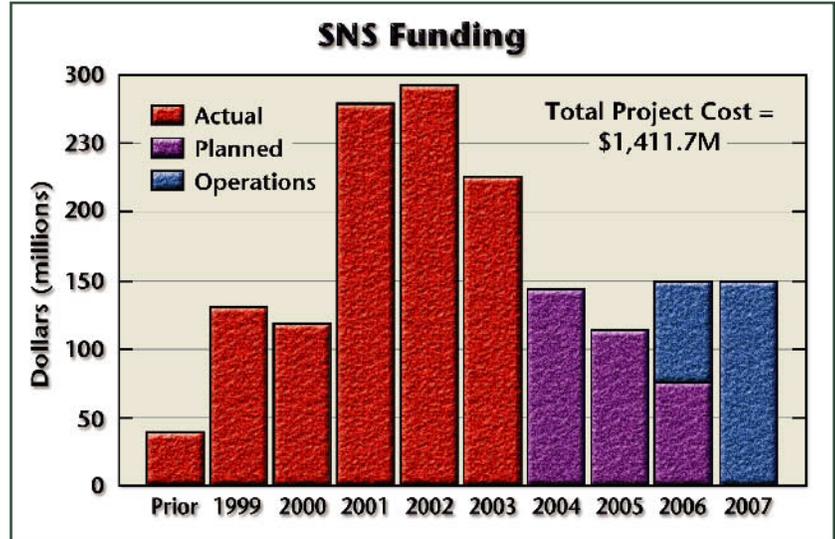
Outstanding Safety Record

SNS has maintained an outstanding safety performance, better than U.S. Department of Energy and industry averages. Through the end of August 2003, more than 2,500,000 hours had been worked on the site with no lost-time injuries. The project has not received any environmental violations or fines.



Within Budget

The six-year budget for the completion of SNS totals \$1.4 billion. To date, more than 75% of that amount has been allocated. The funding request for fiscal year (FY) 2004 is \$143 million. At this funding rate, the project will be about 70% complete at the end of FY 2003. The estimated annual operating budget for FY 2007 is about \$150 million.



Procurement Well Under Way

Major procurements during the past year include general construction; power supplies for the accelerator, ring, and remaining radio-frequency systems; and the target core vessel and shielding.



Providing Jobs

In addition to the 600 or so construction workers, almost 700 people are working on the SNS, including staff at all six partner labs. When completed, about 400 permanent staff will be employed by the project. Most of the SNS workforce comes from 14 East Tennessee counties.

Boosting the Local Economy

Of the \$458 million in contracts awarded on the SNS project through January 2003, about \$273 million were awarded to East Tennessee companies.

