

## Resource Estimates for Yucca Mountain Project Activities

An overview of the resources projected and expended thus far for each of the Yucca Mountain Project Activities is provided in Table 1. The total amount of Nuclear Waste Fund (NWF) funds available to the staff before the current Yucca Mountain Project Activities began was approximately \$13.5 million, which includes a sum of \$2.2 million that was deobligated in December 2013.

**Table 1. Cost and Time Estimates to Complete Activities**

Activity	Cost Estimate	Expenditures <sup>1</sup>	Duration	Completion
Complete SER	\$8.3M	\$7.4M	12 months	January 2015
Complete EIS supplement	\$2M <sup>2</sup>	\$47.4K	12-15 months	12-15 months after Commission approval
Load LSN documents into nonpublic ADAMS	\$350K	\$289K	--	Complete
Options to Load LSN documents into public ADAMS	\$385K (option 1) or \$1.1M (option 2) <sup>3</sup>	\$0	5-8 months	5-8 months after Commission approval
Licensing process wrap-up activities	\$100K	\$0	1-2 months	April 2015
Additional NWF activities <sup>4</sup>	\$1M	\$727K	continuous	--
<b>Cumulative Project Total</b>	<b>\$12.1 or 12.9M</b>	<b>\$8.5M</b>	--	--

<sup>1</sup> This column reflects expenditures through November 30, 2014.

<sup>2</sup> This estimate includes funding for public outreach, including public meetings at NRC headquarters and in Nevada.

<sup>3</sup> This estimate represents the NWF costs for the two proposed options for establishing and loading a public ADAMS LSN library. Funds are also needed in the first year and following years to ensure the maintenance of LSN documents in public ADAMS. These maintenance funds would come from the agency's regular non-NWF appropriations. A breakdown of the NWF and non-NWF costs of establishing and maintaining the LSN documents in public ADAMS is provided in Enclosure 3.

<sup>4</sup> Additional activities include, for example, litigation activities following the issuance of the mandamus order, the monthly report, program support, adjustments to close out contracts funded by previous NWF appropriations, and a \$59,000 expenditure in May 2014 for the agency's agreement to settle the Equal Access to Justice Act claim of one of the *In re Aiken County* petitioners.

### Safety Evaluation Report

Consistent with the staff's estimate, all of the remaining volumes of the Safety Evaluation Report (SER) will be completed and issued within approximately 12 months after the staff initiated work. The current completion date for all remaining volumes of the SER remains the end of January 2015. The staff expects to complete the SER having expended less than the estimate of \$8.3 million. The staff estimates that after all anticipated SER-related expenditures are accounted for, at least \$3.9 million will be available for other activities.

### **Environmental Impact Statement Supplement**

The staff estimates that developing and issuing a supplement to the environmental impact statements (EISs) as described in Enclosure 2 would take 12 to 15 months and, based on the assumptions described in Enclosure 2, cost no more than \$2 million to complete. Staff in the Office of Nuclear Material Safety and Safeguards (NMSS) would develop the supplement, along with contractor support. Work on the EIS supplement can begin upon Commission approval.

### **Licensing Support Network Document Collection**

On March 11, 2014, the agency finished adding the Licensing Support Network (LSN) document collection of more than 3.66 million documents to a nonpublic library in the Agencywide Documents Access and Management System (ADAMS) for use by internal agency users, an effort that nearly doubled the size of the ADAMS database and provided the internal agency users with an enhanced search engine. As shown in Table 1, the cost of this activity was approximately \$289 thousand. The Office of Information Services has identified two options to provide public access to the LSN document collection currently in nonpublic ADAMS, along with the staff's LSN collection that is not part of that nonpublic library. One option provides the existing ADAMS search capabilities while the other employs the enhanced search engine currently available for internal agency users. Both options, and more detailed information about their costs, are described in Enclosure 3.

### **Safety Evaluation Report Wrap-Up Activities**

The staff proposes additional activities to be conducted after completion of the SER, in parallel with EIS supplement and LSN activities. NWF funds would be used for completing these activities. The specific activities, which would be conducted primarily by NMSS staff, are listed below:

- Document retention and management, including the archiving of documents used in the preparation of the SER. This activity is necessary to be in compliance with records management requirements, including the requirements of the National Archives and Records Administration.
- Lessons-learned reports about aspects of the licensing process, including a report on the use of the Yucca Mountain Review Plan (NUREG-1804) and a report on implementing 10 CFR Part 63, "Disposal of High-level Radioactive Wastes in a Geologic Repository at Yucca Mountain, Nevada," in preparing the SER. These reports are important for documenting the development of the SER in this first-of-a-kind licensing process. They would serve as valuable references and position the agency well, either in the event the Yucca Mountain adjudicatory process is resumed, or for potential NRC licensing of another geologic repository for high-level waste.

### **Additional Activities**

Additional activities capture charges to NWF funds that are not directly related to the SER, EIS supplement, wrap-up activities, or the ADAMS LSN library. These activities include program planning and support, response to Commission orders, work performed by NRC attorneys on

Federal court litigation following the issuance of the mandamus order, and communication with internal and external stakeholders. The staff has spent approximately \$727 thousand on these activities, and the total projected expenditures are approximately \$1 million. This estimate includes a \$59 thousand expense in May 2014 associated with the NRC's agreement to settle the Equal Access to Justice Act claim of one of the *In re Aiken County* petitioners. On October 23, 2014, the United States Court of Appeals for the District of Columbia Circuit denied the motion from other parties requesting reimbursement of attorneys' fees.

Also included in the Additional Activities line on Table 1 above are the costs for adjustments to close out contracts funded by previous NWF appropriations. As noted in the November monthly report to Congress (ML14328A580), approximately \$254 thousand remains unexpended but obligated on contracts funded before the August 13, 2013, mandamus order with previously appropriated NWF funds.