

RELOCATION OF FEDERAL RADIO SYSTEMS FROM THE 1710-1755 MHZ SPECTRUM BAND

Second Annual
Progress Report



U.S. DEPARTMENT OF COMMERCE

**Gary Locke
SECRETARY OF COMMERCE**

**ANNA M. GOMEZ
DEPUTY ASSISTANT SECRETARY FOR
COMMUNICATIONS AND INFORMATION**

March 2009

RELOCATION OF FEDERAL RADIO SYSTEMS FROM THE 1710-1755 MHZ SPECTRUM BAND: SECOND ANNUAL PROGRESS REPORT

This report is submitted pursuant to Section 207 of the Commercial Spectrum Enhancement Act (CSEA, Title II of P.L. 108-494), which requires annual reporting on Federal agencies' progress in vacating their affected wireless communications systems. These systems are being relocated from certain radio spectrum that has been reallocated to commercial use. The National Telecommunications and Information Administration (NTIA) published the first annual report to Congress in March 2008. It covered relocation activity during the period from March 2007 through December 2007. This second annual report documents the cumulative progress since the commencement of relocation activity in March of 2007 through December 2008.

The CSEA created the Spectrum Relocation Fund (SRF). The SRF provides a centralized and streamlined funding mechanism through which Federal agencies can recover the costs associated with relocating their radio communications systems from spectrum reallocated and authorized to be auctioned for commercial purposes. The CSEA appropriated such sums as are required for relocation costs, which are financed by auction proceeds.

In September 2006, the Federal Communications Commission (FCC) concluded the first auction of licenses for Advanced Wireless Services (AWS) in the 1710 megahertz (MHz) to 1755 MHz band paired with the 2110 MHz to 2155 MHz band. In August 2008, the FCC concluded a second auction of licenses that were not sold in the first auction. The 1710-1755 MHz band of spectrum used by Federal agencies was reallocated for non-Federal use and designated for AWS. In 2004, the 1710-1755 band was designated in the CSEA as "eligible frequencies" for which Federal relocation costs could be paid out of the SRF. The commercial 2110-2155 MHz band was designated for AWS by the FCC and does not require relocation of Federal systems. The AWS auctions raised over \$13.7 billion in net winning bids, and are facilitating the provision of innovative new wireless services in the commercial market. For the two auctions there were a total of 115 different bidders that won all 1122 AWS-1 licenses.

In February 2007, the Office of Management and Budget (OMB), in consultation with NTIA, submitted a report to Congress detailing a transfer of \$1.008 billion from the SRF to 12 Federal agencies to relocate their wireless systems from the 1710-1755 MHz band. OMB transferred this amount to the agencies in March 2007. During 2007 and 2008, OMB, consistent with the provisions of the CSEA, and after Congressional notification, made several transfers from the SRF to accommodate unanticipated relocation expenses. In January 2008, OMB transferred \$35.57 million to the Department of Homeland Security. In September 2008, OMB transferred \$31.387 million to the Department of

Justice. And in October 2008, OMB transferred \$3.450 million to the Department of the Interior and \$3.3332 million to the Tennessee Valley Authority.

Also in October 2008, OMB issued guidance to Federal agencies participating in the SRF that specifies the information they are required to provide when requesting additional resources or an extension of their approved project timeframes.¹ Agencies were directed to adhere to their original cost and timeline estimates to the extent possible, which are crucial to the success of the relocation initiative. However, in unforeseen circumstances where additional resources or time is necessary to vacate the auctioned spectrum as required by law, Section 204 of the CSEA provides authority to OMB, in consultation with NTIA, to approve changes to the timeframe and cost estimates associated with Federal relocation activity. To the extent that agencies have indicated a possible delay beyond their previously approved project timeframes, OMB and NTIA review those requests to ensure the timely relocation of Federal systems from the 1710-1755 MHz band, and to minimize any impact to commercial licensees.

As required by Section 207 of the CSEA, this report describes the progress Federal agencies have made in adhering to relocation timeframes. It also details, on a system-by-system basis, the costs estimated, the costs incurred, and the costs paid from the SRF. The report is based on data submitted by the Federal agencies to NTIA.

The majority of Federal agencies report that they are meeting their original relocation timeframe and cost estimates. For example, a total of 47 systems have been relocated from the 1710-1755 MHz band, including 17 systems that had relocation timeframes of 12 months or less. In addition, four agencies (Treasury, Homeland Security, Postal Service, and Housing and Urban Development) have vacated the band entirely. Some agencies continue to spend SRF funds to complete their transition even after they have vacated the band, in order to reach comparable capability of systems relative to their pre-relocation operations. Two Federal agencies have indicated that they will need additional time to relocate their systems out of the band. The reasons given for the additional time requests related primarily to the need to expand planning and analysis in forming original estimates, and in some instances remote locations with brief construction seasons limit site success.

As of December 2008, Federal agencies have spent \$174,136,082 of the total estimated \$1.082 billion in relocation costs. These cumulative outlays represent approximately 16 percent of the SRF dollars that were made available to the agencies for this effort. Specifically, this report details the actual costs incurred and reported by the Federal agencies from the time funds from the SRF were first made available in March 2007 to December 2008.

Detailed examination of the agency submissions for this second annual report reveal minor inconsistencies regarding prior year outlays for some agencies. These

¹ M-09-01, "Spectrum Relocation Fund Guidance," October 14, 2008, www.omb.gov.

inconsistencies are only apparent when comparing prior year outlay data reported in the first annual report and have no impact on the cumulative outlay data contained in this report. This occurrence appears to be due mainly to use of different accounting systems and associated practices across the Federal agencies for reporting outlays by fiscal year rather than by calendar year.

Attachment A to this report provides an overall summary by department, agency, and/or bureau of relocation activity since March 2007. The summary provides estimated relocation timeframes and progress made in adhering to these timeframes, estimated and actual relocation costs, and amounts paid from the SRF. Attachment B of this report details this information on a system-by-system basis for each department, agency, and/or bureau.

Attachment A

1710 – 1755 MHz Band

Summary of Relocation Activities

Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months) ¹	Status (On Time)	Estimated Relocation Cost ⁶	Total Transferred From SRF	Cumulative Outlays
Agriculture	Forest Service	36 ²	Yes	\$21,578,486	\$21,578,486	\$158,871
Defense	Air Force	48	Yes	\$106,753,481	\$106,753,481	\$17,895,820
Defense	Army	36	Yes	\$15,933,043	\$15,933,043	\$1,391,729
Defense	Navy	36	Yes	\$134,465,000	\$134,465,000	\$13,146,983
Defense	DOD Wide Support	72	Yes	\$98,200,000	\$98,200,000	\$19,250,480
Defense	Subtotal			\$355,351,524	\$355,351,524	\$51,685,012
Energy	National Nuclear Security Administration	24	No ³	\$10,900,000	\$10,900,000	\$2,697,055
Energy	Bonneville Power Administration	72	Yes	\$48,627,399	\$48,627,399	\$9,631,992
Energy	Southwestern Power Administration	24	No ⁴	\$8,091,360	\$8,091,360	\$670,683
Energy	Western Area Power Administration	36	No ⁵	\$108,202,200	\$108,202,200	\$10,869,177
Energy	DOE Headquarters	72	Yes	\$1,000,000	\$1,000,000	\$490,000
Energy	Subtotal			\$176,820,959	\$176,820,959	\$24,358,907

¹ All timeframes shown in the tables contained in this appendix represent the approved timeframes for full relocation from the band for each agency.

² On January 5, 2009 the NTIA and OMB confirmed approval of timeline extensions for several systems from 24 to 36 months. USDA indicated that the full 36 months is necessary to relocate mountain-top systems that have short, three-month summer installation windows. USDA does not anticipate any impact on the deployment of commercial wireless services because the locations of the USDA systems in question are extremely remote.

³ The Department of Energy (DOE)/National Nuclear Security Administration (NNSA) has requested a 12-month extension for several systems due to various procurement delays. NNSA does not anticipate the requested delays will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

⁴ The DOE/ Southwestern Power Administration (SWPA) has requested a 24-month extension due to its original funding request being insufficient. SWPA does not anticipate the requested delay will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

⁵ The DOE/Western Area Power Administration (WAPA) has requested a 12-month extension for several systems due to late receipt of spectrum relocation funds and limited summer installation windows. WAPA does not anticipate the requested delays will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

⁶ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁵	Total Transferred From SRF	Cumulative Outlays
Homeland Security	Customs and Border Protection	12	Yes	\$74,349,990	\$74,349,990	\$13,800,000
Homeland Security	Immigration and Customs Enforcement	12	Yes	\$3,559,281	\$39,129,281 ¹	\$4,945,474
Homeland Security	Secret Service	12	Yes	\$105,800	\$105,800	\$105,800
Homeland Security	DHS Overhead	12	Yes	\$11,979,761	\$11,979,761	\$5,054,272
Homeland Security	Subtotal			\$89,994,832	\$125,564,832	\$23,905,546
Housing and Urban Development	Inspector General	24	Yes	\$21,115	\$21,115	\$0
Interior	Bureau of Reclamation	36	Yes	\$4,550,000	\$8,000,000 ²	\$3,229,885
Interior	Geological Survey	36	Yes	\$6,158,949	\$6,158,949	\$2,632,265
Interior	National Park Service	36	Yes	\$14,703,000	\$14,703,000	\$582,052
Interior	Subtotal			\$25,411,949	\$28,861,949	\$6,444,202
Justice	Alcohol Tobacco and Firearms, and Explosives	36	Yes	\$48,024,000	\$65,335,999 ³	\$12,779,952
Justice	Federal Bureau of Investigation	36	Yes	\$139,225,000	\$139,225,000	\$20,873,590
Justice	Drug Enforcement Agency	36	Yes	\$74,772,000	\$88,847,000 ⁴	\$22,577,684
Justice	DOJ Wide Support	36	Yes	\$800,000	\$800,000	\$326,500
Justice	Subtotal			\$262,821,000	\$294,207,999	\$56,557,726

¹ As indicated in the November 16, 2007 Congressional notification from OMB, a subsequent transfer of \$35.57 million from the Spectrum Relocation Fund (SRF) was made to the Department of Homeland Security (DHS)/Immigration and Customs Enforcement (ICE) in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

² As indicated in the August 27, 2008 Congressional notification from OMB, a subsequent transfer of \$3.45 million from the SRF was made to the Department of the Interior/Bureau of Reclamation in accordance with the provisions of the CSEA.

³ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$17.312 million from the SRF was made to the Department of Justice/Alcohol Tobacco, Firearms and Explosives in accordance with the provisions of the CSEA.

⁴ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$14.075 million from the SRF was made to the Department of Justice/Drug Enforcement Agency in accordance with the provisions of the CSEA.

⁵ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From SRF	Cumulative Outlays
Transportation	Federal Aviation Administration	46	No ¹	\$58,062,020 ²	\$58,062,020 ²	\$6,573,289
Treasury	Internal Revenue Service	28	Yes	\$4,409,000	\$4,409,000	\$431,486
Treasury	Inspector General for Tax Administration	28	Yes	\$892,000	\$892,000	\$75,283
Treasury	Subtotal			\$5,301,000	\$5,301,000	\$506,769
National Aeronautics and Space Administration	National Aeronautics and Space Administration	24	Yes	\$740,000	\$740,000	\$265,000
Tennessee Valley Authority	Tennessee Valley Authority	48	Yes	\$10,687,857	\$14,021,057 ³	\$1,979,000
United States Postal Service	Inspection Service	12	Yes	\$1,761,760	\$1,761,760	\$1,701,760
Total				\$1,008,552,502	\$1,082,292,701	\$174,136,082

¹ The Federal Aviation Administration (FAA) has indicated it will be requesting a 12-month extension for several systems due to changes in radio configuration that require the re-engineering of frequencies.

² A value of \$58,062,020 has been made available to the Federal Aviation Administration (FAA) from the SRF, consistent with the National Telecommunications and Information Administration report to the Federal Communications Commission and Congress dated December 2005, and the Congressional notification from OMB dated February 16, 2007. In providing information for this report, the FAA estimated relocation costs of \$58,062,027, and appears to be rounding individual systems costs differently. Therefore, FAA totals may not add due to rounding. See Appendix B at B-16 for details.

³ As indicated in the August 27, 2008 Congressional notification from OMB, a subsequent transfer of \$3.3332 million from the Spectrum Relocation Fund (SRF) was made to the Tennessee Valley Authority in accordance with the provisions of the CSEA.

⁴ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Attachment B

1710 – 1755 MHz Band

Department/Agency/Bureau

Summary of Relocation Activities

Department of Agriculture

Forest Service

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁵	Total Transferred From SRF	Intra-Agency Adjustments ⁴	Adjusted Total	Cumulative Outlays
USDA 001	Apache-Sitgreaves MW	18	Yes	\$960,000	\$960,000	-\$960,000.00	\$0	\$0 ²
USDA 002	Ashley MW	24-36 ¹	Yes	\$397,000	\$397,000	\$0	\$397,000	\$0
USDA 003	Boise MW	24-36 ¹	Yes	\$442,000	\$442,000	\$0	\$442,000	\$0
USDA 004	Challis MW	24-36 ¹	Yes	\$746,000	\$746,000	\$0	\$746,000	\$10,641
USDA 005	Cibola MW	36	Yes	\$843,000	\$843,000	-\$843,000	\$0	\$0 ²
USDA 006	Coconino MW	24	Yes	\$527,000	\$527,000	-\$527,000	\$0	\$0 ²
USDA 007	Coronado MW	24	Yes	\$92,000	\$92,000	-\$92,000	\$0	\$0 ²
USDA 008	Dixie MW	0	Yes	\$0	\$0	\$0	\$0	\$0 ²
USDA 009	Fishlake MW	24	Yes	\$675,000	\$675,000	-\$675,000	\$0	\$0 ²
USDA 010	Gila MW	24	Yes	\$1,049,000	\$1,049,000	-\$1,049,000	\$0	\$0 ²
USDA 011	IPNF MW	36	Yes	\$1,138,900	\$1,138,900	-\$1,138,900	\$0	\$0 ²
USDA 012	Kaibab MW	24	Yes	\$509,000	\$509,000	-\$509,000	\$0	\$0 ²
USDA 013	Lagrande MW	24	Yes	\$241,000	\$241,000	-\$241,000	\$0	\$0 ²
USDA 014	Lassen MW	36	Yes	\$818,000	\$818,000	\$0	\$818,000	\$11,884
USDA 015	Los Padres MW	36	Yes	\$107,000	\$107,000	\$0	\$107,000	\$0
USDA 016	Manti-Lasal MW	24	Yes	\$416,000	\$416,000	-\$416,000	\$0	\$0 ²
USDA 017	Ochoco MW	36	Yes	\$235,000	\$235,000	-\$235,000	\$0	\$0 ²
USDA 018	Payette MW	36	Yes	\$418,000	\$418,000	-\$418,000	\$0	\$0 ²
USDA 019	Plumas MW	36	Yes	\$1,925,000	\$1,925,000	\$0	\$1,925,000	\$0
USDA 020	Salmon MW	24-36 ¹	Yes	\$354,000	\$354,000	\$0	\$354,000	\$0
USDA 021	Sierra MW	36	Yes	\$1,072,000	\$1,072,000	\$0	\$1,072,000	\$0
USDA 022	Stanislaus MW	36	Yes	\$733,000	\$733,000	\$0	\$733,000	\$0
USDA 023	Toiyabe MW	24-36 ¹	Yes	\$448,000	\$448,000	\$0	\$448,000	\$0
USDA 024	Tonto MW	36	Yes	\$672,000	\$672,000	-\$672,000	\$0	\$0 ²
USDA 025	Uinta MW	24	Yes	\$636,000	\$636,000	-\$636,000	\$0	\$0 ²
USDA 026	Wassatch MW	24	Yes	\$1,206,000	\$1,206,000	-\$1,206,000	\$0	\$0 ²
USDA 027	Winema MW	0	Yes	\$0	\$0	\$0	\$0	\$0 ³
USDA 028	Additional Money	36	Yes	\$4,918,586	\$4,918,586	\$0	\$4,918,586	\$136,346
Total				\$21,578,486	\$21,578,486	-\$9,617,900	\$11,960,586	\$158,871

¹ On January 5, 2009 the NTIA and OMB confirmed approval of timeline extensions for several systems from 24 to 36 months. USDA indicated that the full 36 months is necessary to relocate mountain-top systems that have short, three-month summer installation windows. USDA does not anticipate any impact on the deployment of commercial wireless services because the locations of USDA systems in question are extremely remote.

² USDA indicates the system has been deleted, and the funds are to be returned to the Spectrum Relocation Fund (SRF).

³ USDA indicates the system has been deleted, and did not require funds from the SRF.

⁴ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the Federal Agency.

⁵ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Defense

United States Air Force (USAF) ¹

System Number	System Name ²	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From SRF	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays
USAF0001	Precision Guided Munitions – Aircraft Procurement	48	Yes	\$40,000,000	\$40,000,000	\$0	\$40,000,000	\$8,852,403
USAF0001	Precision Guided Munitions –Missile Procurement	48	Yes	\$60,000,000	\$60,000,000	\$0	\$60,000,000	\$7,578,092
USAF0002	Edwards Microwave	36	Yes	\$157,100	\$157,100	-\$8,418	\$148,682	\$148,682
USAF0003	Luke Microwave	36	Yes	\$1,212,000	\$1,212,000	\$0	\$1,212,000	\$638,647
USAF0004	Nellis Microwave	36	Yes	\$600,000	\$600,000	\$0	\$600,000	\$600,000
USAF0005	Eastern Range	36	Yes	\$2,810,381	\$2,810,381	\$0	\$2,810,381	\$72,602
USAF0006	Eglin Microwave	36	Yes	\$1,974,000	\$1,974,000	\$0	\$1,974,000	\$5,394
Total				\$106,753,481	\$106,753,481	-\$8,418	\$106,745,063	\$17,895,820

¹ USAF has two simulators that are experimental and have a zero relocation timeframe. These do not require funds from the Spectrum Relocation Fund (SRF).

² The February 2007 OMB Report to Congress lists the USAF as having 36 systems. The correct number should be six systems, which encompass the frequency assignments that the USAF previously reported as 36 systems. One system is funded through two treasury accounts. There is no impact on the total resources acquired to vacate the band since the number of frequency assignments to be vacated remains unchanged from the February 2007 Report.

³ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the Federal Agency.

⁴ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Defense

Department of the Army (Army)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁶	Total Transferred From SRF	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays
AR0001	1 – 11 th Aviation Ft. Rucker	24	Yes	\$752,000	\$752,000	\$822,104	\$1,574,104	\$0
AR0002	Army Material Command	24	Yes	\$1,185,000	\$1,185,000	-\$856,986	\$328,014	\$143,855
AR0003	DCIS	36	Yes	\$128,000	\$128,000	\$5,142	\$133,142	\$133,142
AR0004	USACE – Kansas City District	36	Yes	\$65,043	\$65,043	-\$65,043	\$0	\$0
AR0005	USACE – New England District	36	Yes	\$161,000	\$161,000	\$0	\$161,000	\$0
AR0006	USACE – Portland District ⁴	36	Yes	\$5,484,000	\$5,484,000	\$1,634,000	\$7,118,000	\$250,978
AR0007	USACE – Sacramento District ⁵	18	Yes	\$7,032,000	\$7,032,000	-\$3,754,391	\$3,277,609	\$863,754
AR0008	USACE – Tulsa District	36	Yes	\$32,000	\$32,000	\$0	\$32,000	\$0
AR0009	White Sands Missile Range	24	Yes	\$464,000	\$464,000	\$0	\$464,000	\$0
AR0010	PEO – EIS – PM DWTS	0 ²	Yes	\$630,000	\$630,000	-\$630,000	\$0	\$0
Total				\$15,933,043	\$15,933,043	-\$2,845,174	\$13,087,869	\$1,391,729

¹ The February 2007 OMB Report to Congress lists the Army as having 31 systems. The correct number should be nine systems, which encompass the frequency assignments that the Army previously reported as 31 systems, plus one account for shared program management and engineering costs, as reported. There is no impact on the total resources acquired to vacate the band since the number of frequency assignments to be vacated remains unchanged from the February Report.

² The Army has indicated this was mistakenly reported as 36 months in the March 2008 First Annual Relocation Report to Congress. AR0010 is an Army overhead account for shared program management and engineering costs, which after an initial trial period in 2007 the Army deemed not adequately resourced. The Army reports it will not spend the funds in account AR0010 and has indicated that it will fund the necessary shared program management and engineering costs out of the \$15,303,043 in Other Procurement funds made available for the entire effort.

³ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the Spectrum Relocation Fund (SRF) by the Federal Agency.

⁴ The Army has indicated that assignments AR819881 and AR848053 had been erroneously identified as assignments that could be relocated without SRF funds and that these two assignments have been added to this system for funding and project management. The Army notes funding in the amount of \$1,634,000 was added to this system for these two assignments.

⁵ The Army has indicated that all four of the assignments for this system have been submitted to NTIA for deletion. The Army states the remaining estimated funds in the amount of \$3,754,391 were not required for this system and these surplus funds were made available for shortfalls in other Army systems.

⁶ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Defense

Department of the Navy (Navy)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From SRF	Intra-Agency Adjustments ²	Adjusted Total	Cumulative Outlays
USN0001	C,AYDST402S	36	Yes	\$134,000	\$134,000	\$0	\$134,000	\$134,000
USN0002	C,AYDST-400 SERIES	36	Yes	\$13,938,047	\$13,938,047	\$0	\$13,938,047	\$4,850,977
USN0003	C,PADVTL-2A	36	Yes	\$3,121,449	\$3,121,449	\$0	\$3,121,449	\$1,486,116
USN0004	C,AVKDR-96	36	Yes	\$296,000	\$296,000	\$0	\$296,000	\$296,000
USN0005	C,CNNCTM-UHF-10V	36	Yes	\$21,000	\$21,000	\$0	\$21,000	\$21,000
USN0006	C,CNCCTM-UHF-10V	36	Yes	\$446,208	\$446,208	\$0	\$446,208	\$0
USN0007	C,AVKDR2C-96	36	Yes	\$446,208	\$446,208	\$0	\$446,208	\$0
USN0008	C,ACC-AT3620LV	36	Yes	\$1,338,621	\$1,338,621	\$0	\$1,338,621	\$212,302
USN0009	C,MOT-MTG1010A	36	Yes	\$271,000	\$271,000	\$0	\$271,000	\$0
USN0010	C,ERDEVT-3	36	Yes	\$892,414	\$892,414	\$0	\$892,414	\$0
USN0011	S,SMWVTX-36L20ADP	36	Yes	\$21,000	\$21,000	\$0	\$21,000	\$21,000
USN0012	G,HORACEVIDEO LINK	36	Yes	\$21,000	\$21,000	\$0	\$21,000	\$21,000
USN0013	C,PADVTL-2A	36	Yes	\$892,414	\$892,414	\$0	\$892,414	\$424,605
USN0014	G,HORACE VIDEO LINK	36	Yes	\$249,400	\$249,400	\$0	\$249,400	\$0
USN0015	C,CNCCTM-UHF-10V	36	Yes	\$21,000	\$21,000	\$0	\$21,000	\$21,000
USN0016	C,AYD T400	36	Yes	\$997,600	\$997,600	\$0	\$997,600	\$0
USN0017	C,AYD T400	36	Yes	\$891,397	\$891,397	\$0	\$891,397	\$0
USN0018	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$0
USN0019	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$0
USN0020	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$0
USN0021	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$0
USN0022	C,AYD T400	36	Yes	\$892,414	\$892,414	\$0	\$892,414	\$0
USN0023	C,ACTMDR-5402	36	Yes	\$587,000	\$587,000	\$0	\$587,000	\$587,000
USN0024	C,MOT MR-200	36	Yes	\$229,000	\$229,000	\$0	\$229,000	\$146,516
USN0025 ¹	CLASSIFIED	36	Yes	\$44,146,000	\$44,146,000	-\$24,146,000	\$20,000,000	\$4,452,800
USN0025 ¹	HERP/HERO	36	Yes	\$1,235,000	\$1,235,000	\$0	\$1,235,000	\$10,853
USN0025 ¹	CLASSIFIED	36	Yes	\$60,692,000	\$60,692,000	-\$56,692,000	\$4,000,000	\$0
USMC0001 ³	C,LOE LMC-402D2	36	Yes	\$232,000	\$232,000	\$0	\$232,000	\$232,000
USMC0002 ³	C,LOE LMC-402D2	36	Yes	\$468,000	\$468,000	\$0	\$468,000	\$229,814
USMC0003 ³	C,LOE LMC-402D2	36	Yes	\$100,000	\$100,000	\$0	\$100,000	\$0
USMC0004 ³	C,TBNTBT200LV	36	Yes	\$100,000	\$100,000	\$0	\$100,000	\$0
Total				\$134,465,000	\$134,465,000	-\$80,838,000	\$53,627,000	\$13,146,983

¹ The Navy has indicated this is one system funded through three treasury accounts.

² Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the Spectrum Relocation Fund (SRF) by the Federal Agency.

³ USMC is the United States Marine Corps.

⁴ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Defense

DOD-Wide Relocation Support (Research, Development, Test and Evaluation/Operation and Maintenance)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
DOD0001	Spectrum Relocation Management Office	72	Yes	\$21,700,000	\$21,700,000	\$0	\$21,700,000	\$3,463,878
DOD0002	Spectrum Management Transition Initiative	72	Yes	\$48,500,000	\$48,500,000	\$0	\$48,500,000	\$10,182,795
DOD0003	Spectrum Technology Test Bed	72	Yes	\$28,000,000	\$28,000,000	\$0	\$28,000,000	\$5,603,807
Total				\$98,200,000	\$98,200,000	\$ 0	\$98,200,000	\$19,250,480

¹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Energy

National Nuclear Security Administration (NNSA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁵	Total Transferred From SRF	Intra-Agency Adjustments ⁴	Adjusted Total	Cumulative Outlays
1	OST - Remote Keying System, Replacement	24	Yes	\$180,000	\$180,000	-\$180,000 ²	\$0	\$0
2	SNL - Portable Microwave, System and Laser Tracking Microwave	24	Yes	\$690,000	\$690,000	\$0	\$690,000	\$539,455
3	Pantex Admin System	24	No ¹	\$870,000	\$870,000	\$500,000	\$1,370,000	\$0
4a	SNL - Laser Tracking Microwave	24	Yes	\$345,000	\$345,000	\$0	\$345,000	\$161,070
4b	SNL - Telecommand Link	24	No ¹	\$385,000	\$385,000	\$0	\$385,000	\$298,141
5	OST - Microwave Link	24	Yes	\$385,000	\$385,000	\$360,000	\$745,000	\$338,332
6	SNL -Remote Control Development Link - Robotics Vehicle	24	Yes	\$240,000	\$240,000	\$0	\$240,000	\$123,725
7	LANL - Robotic Vehicle (Video / Audio)	24	Yes	\$360,000	\$360,000	\$0	\$360,000	\$20,585
8	NSO - YMP Microwave System	24	Yes	\$840,000	\$840,000	\$0	\$840,000	\$76,640
9	NSO - NV Teleoperated System	24	Yes	\$435,000	\$435,000	\$0	\$435,000	\$198,409
10	YMP Seismic Link (Shoshone Mtn and Echo Peak, NV)	24	No ³	\$900,000	\$900,000	\$0	\$900,000	\$173,846
11	NSO - Helicopter Event Video	24	Yes	\$970,000	\$970,000	\$100,000	\$1,070,000	\$120,360
12	NSO - Backbone Microwave Link (Nevada Test Site and Angel Peak)	24	Yes	\$770,000	\$770,000	\$100,000	\$870,000	\$325,254
13	NSO - YMP Seismic Link (Yucca Mtn and Sober Peak, NV)	24	Yes	\$830,000	\$830,000	\$0	\$830,000	\$179,578
14	LLNL -Research Microwave between Tracy Airport and LLNL	24	Yes	\$360,000	\$360,000	\$0	\$360,000	\$59,769
15	LLNL - Water System Microwave Link (Livermore to Mocho)	24	Yes	\$890,000	\$890,000	\$0	\$890,000	\$81,891
16	NNSA Inflation Indexed Reserve	24	Yes	\$1,450,000	\$1,450,000	-\$880,000	\$570,000	\$0
Total				\$10,900,000	\$10,900,000	\$ 0	\$10,900,000	\$2,697,055

¹ The Department of Energy (DOE) NNSA has requested a 12-month extension for these systems due to various procurement delays. NNSA does not anticipate the requested delays will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

² DOE/NNSA has indicated the system has been deleted and is no longer operating in the 1710-1755 MHz band. The funds shown have been transferred to system number 5.

³ The DOE/NNSA stated it will be requesting a 12-month extension for this system due to a short construction season caused by winter weather. NNSA does not anticipate the requested delays will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

⁴ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the Spectrum Relocation Fund (SRF) by the Federal Agency.

⁵ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Energy

Bonneville Power Administration (BPA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From SRF	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays
1	2N	36	Yes	\$4,896,239	\$4,896,239	\$0	\$4,896,239	\$260,934
2	4A	48	Yes	\$1,147,111	\$1,147,111	\$0	\$1,147,111	\$33,664
3	4D	60	Yes	\$1,727,645	\$1,727,645	\$0	\$1,727,645	\$50,284
4	D	48	Yes	\$2,815,160	\$2,815,160	\$0	\$2,815,160	\$83,390
5	H	48	Yes	\$767,501	\$767,501	\$0	\$767,501	\$22,796
6	I	72	Yes	\$8,913,238	\$8,913,238	\$0	\$8,913,238	\$259,301
7	N	24	Yes	\$8,589,111	\$8,589,111	\$83,506	\$8,672,617	\$2,939,900
8	PND AC00	48	Yes	\$4,712,537	\$4,712,537	\$250,720	\$4,963,257	\$554,537
9	PND D	48	Yes	\$1,975,385	\$1,975,385	-\$250,720	\$1,724,665	\$637,180
10	PND XC00	36	Yes	\$5,063,823	\$5,063,823	\$73,395	\$5,137,218	\$393,220
11	PND YC00	24	Yes	\$6,441,748	\$6,441,748	-\$73,395	\$6,368,353	\$4,153,273
12	T	12 ²	Yes	\$288,198	\$288,198	-\$83,506	\$204,692	\$204,692
13	U	60	Yes	\$915,458	\$915,458	\$0	\$915,458	\$27,032
14	USA ¹	72	Yes	\$374,245	\$374,245	\$0	\$374,245	\$11,789
Total				\$48,627,399	\$48,627,399	\$ 0	\$48,627,399	\$9,631,992

¹ This system consists of radios that will be used across the remaining 13 systems during catastrophic emergency conditions where timely restoration of mission critical telecommunication traffic is of the utmost importance. The estimated relocation timeframe is not anticipated to affect commercial access to the band, since this system operates in a backup capacity only.

² DOE/BPA has indicated the system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

³ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the Spectrum Relocation Fund (SRF) by the Federal Agency.

⁴ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Southwestern Power Administration (SWPA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ³	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Southwestern ¹	24	No ²	\$8,091,360	\$8,091,360	\$0	\$0	\$670,683
Total				\$8,091,360	\$8,091,360	\$ 0	\$ 0	\$670,683

¹ The March 2008 First Annual Relocation Report to Congress showed an additional system AD (Corporate Overhead and Reserve). This is now combined with system 1 (Southwestern) and the total amount paid from the SRF remains the same.

² The DOE SWPA has requested a 24-month extension due to its original funding request being insufficient. SWPA does not anticipate the requested delay will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

³ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Energy

Western Area Power Administration (WAPA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁵	Total Transferred From SRF	Intra-Agency Adjustments ⁴	Adjusted Total	Cumulative Outlays
1	Sierra-Nevada Region (SNR)	30	No ¹	\$9,846,000	\$9,846,000	\$23,961	\$9,869,961	\$240,283
2	Rocky Mountain Region (RMR)	28	No ¹	\$5,971,200	\$5,971,200	\$14,604	\$5,985,804	\$2,840,155
3	Desert Southwest Region (DSW)	30	No ¹	\$7,320,000	\$7,320,000	\$18,028	\$7,338,028	\$523,888
4	Upper Great Plains - Montana (UGP-PT)	36 ²	No ¹	\$22,275,000	\$22,275,000	\$59,082	\$22,334,082	\$2,376,132
5	Upper Great Plains - North Dakota (UGP-ND)	36 ²	No ¹	\$21,467,000	\$21,467,000	\$52,257	\$21,519,257	\$1,629,990
6	Upper Great Plains - South Dakota (UGP-SD)	36 ²	No ¹	\$26,688,000	\$26,688,000	\$65,035	\$26,753,035	\$3,258,729
AD ³	Corporate Overhead and Reserve	N/A	No ¹	\$14,635,000	\$14,635,000	-\$232,967	\$14,402,033	\$0
Total				\$108,202,200	\$108,202,200	\$ 0	\$108,202,200	\$10,869,177

¹ The DOE WAPA has requested a 12-month extension for several systems due to the late receipt of spectrum relocation funds and the limited summer installation window. WAPA does not anticipate the requested delays will have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question.

² Each system is comprised of multiple assignments. The estimated relocation timeframe shown above represents the completion time for the full system (all frequency assignments). A subset of the associated frequency assignments was originally projected to be relocated within 12 months. These will all be relocated using agency funds and not Spectrum Relocation funds, consistent with funding eligibility under the Commercial Spectrum Enhancement Act (CSEA). The "12 month" frequency assignments for these systems may also experience a delay for the reasons cited in footnote 1 above.

³ The DOE/WAPA has indicated the system AD is not a radio system but rather an administrative designator to capture the overhead expenditures associated with all systems and funds kept in reserve for inflation, collocation coordination, and planning. Actual costs and associated funding for overhead are distributed out to the system at the end of each fiscal year.

⁴ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the Federal Agency

⁵ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

DOE Headquarters

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
N/A	DOE Headquarters	72	Yes	\$1,000,000	\$1,000,000	\$0	\$1,000,000	\$490,000
Total				\$1,000,000	\$1,000,000	\$ 0	\$1,000,000	\$490,000

¹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Homeland Security

Customs and Border Protection (CBP)

System Number	System Name ¹	Estimated Relocation Timeframe (Months) ²	Status (On Time)	Estimated Relocation Cost ³	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	El Centro	12	Yes	\$9,913,332	\$9,913,332	\$0	\$9,913,332	\$1,840,000
2	El Paso	12	Yes	\$21,065,830	\$21,065,830	\$0	\$21,065,830	\$3,910,000
3	Yuma	12	Yes	\$9,913,332	\$9,913,332	\$0	\$9,913,332	\$1,840,000
4	Rio Grande Valley	12	Yes	\$9,913,332	\$9,913,332	\$0	\$9,913,332	\$1,840,000
5	Laredo	12	Yes	\$9,913,332	\$9,913,332	\$0	\$9,913,332	\$1,840,000
6	Marfa	12	Yes	\$8,674,166	\$8,674,166	\$0	\$8,674,166	\$1,610,000
7	Tucson	12	Yes	\$4,956,666	\$4,956,666	\$0	\$4,956,666	\$920,000
8	Livermore	12	Yes	\$0	\$0	\$0	\$0	\$0
9	San Diego	12	Yes	\$0	\$0	\$0	\$0	\$0
10	Del Rio	12	Yes	\$0	\$0	\$0	\$0	\$0
Total				\$74,349,990	\$74,349,990	\$ 0	\$74,349,990	\$13,800,000

¹ The February 2007 OMB Report to Congress lists CBP as having 60 systems. The correct number should be a total of 10 systems comprised of 60 point-to-point links. Fixed microwave systems are unique to the operational areas defined by the Office of Border Patrol sector areas of responsibility. The number of relocating frequency assignments remains constant. This has no impact on the total resources required to vacate the band.

² The DHS/CBP has indicated the system has been relocated from the 1710-1755 MHz band by implementing an interim solution; remaining funds will be used to implement a final long-term solution.

³ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Immigration and Customs Enforcement (ICE)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Components for Portable Systems	12 ³	Yes	\$3,559,281	\$39,129,281 ²	\$0	\$39,129,281	\$4,945,474
Total				\$3,559,281	\$39,129,281	\$ 0	\$39,129,281	\$4,945,474

¹ The February 2007 OMB Report to Congress lists ICE as having four systems. The correct number should be one. The Department of Homeland Security (DHS)/ICE did not explain the difference in reporting systems. However, in other cases, agencies attributed the difference to a correction based on their understanding of the definition of a "system."

² As indicated in the November 16, 2007 Congressional notification from OMB, a subsequent transfer of \$35.57 million from the Spectrum Relocation Fund (SRF) was made to DHS/ICE in accordance with the provisions of the CSEA.

³ The DHS/ICE has indicated the system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

⁴ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Homeland Security

United States Secret Service (USSS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Fixed (Transportable)	12	Yes	\$105,800	\$105,800	\$0	\$105,800	\$105,800
Total				\$105,800	\$105,800	\$ 0	\$105,800	\$105,800

¹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

DHS Overhead (Office of the Chief Information Officer)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
NA	DHS Overhead	12	Yes	\$11,979,761	\$11,979,761	\$0	\$11,979,761	\$5,054,272
Total				\$11,979,761	\$11,979,761	\$ 0	\$11,979,761	\$5,054,272

¹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Housing and Urban Development

Inspector General

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	GMS Video Transmitter - L Band	24	Yes ¹	\$3,450	\$3,450	\$0	\$3,450	\$0
2	GMS Video Receiver - L Band	24	Yes ¹	\$7,315	\$7,315	\$0	\$7,315	\$0
3	L-3 Communications Audio/Video Microwave Transmitter	24	Yes ¹	\$3,450	\$3,450	\$0	\$3,450	\$0
4	L-3 Communications Audio/Video Microwave Transmitter	24	Yes ¹	\$3,450	\$3,450	\$0	\$3,450	\$0
5	L-3 Communications Audio/Video Microwave Transmitter	24	Yes ¹	\$3,450	\$3,450	\$0	\$3,450	\$0
Total				\$21,115	\$21,115		\$21,115	\$ 0

¹ The Housing and Urban Development (HUD)/Inspector General has indicated all of its systems have transitioned out of the 1710-1755 MHz band.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of the Interior

Bureau of Reclamation (BOR)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ³	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	North Platte River Project	24-36	Yes	\$2,805,000	\$5,155,000 ¹	\$0	\$5,155,000	\$2,404,443
2	Frying Pan Arkansas	24	Yes	\$1,745,000	\$2,845,000 ²	\$0	\$2,845,000	\$825,442
Total				\$4,550,000	\$8,000,000	\$ 0	\$8,000,000	\$3,229,885

¹ As indicated in the August 27, 2008 Congressional notification from OMB, a subsequent transfer of \$2.35 million from the Spectrum Relocation Fund (SRF) was made to the Department of the Interior (DOI)/BOR in accordance with the provisions of the CSEA.

² As indicated in the August 27, 2008 Congressional notification from OMB, a subsequent transfer of \$1.1 million from the SRF was made to DOI/BOR in accordance with the provisions of the CSEA.

³ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Geological Survey (USGS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
3	Earthquake-Seismic Monitoring	36	Yes	\$6,158,949	\$6,158,949	\$0	\$6,158,949	\$2,632,265
Total				\$6,158,949	\$6,158,949	\$ 0	\$6,158,949	\$2,632,265

¹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

National Park Service (NPS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
4	Natchez Trace Parkway	36	Yes	\$10,571,000	\$10,571,000	\$0	\$10,571,000	\$297,311
5	Blue Ridge Parkway	36	Yes	\$4,132,000	\$4,132,000	\$0	\$4,132,000	\$284,741
Total				\$14,703,000	\$14,703,000	\$ 0	\$14,703,000	\$582,052

¹ The March 2008 First Annual Relocation Report to Congress incorrectly reported the System 4 Estimated Relocation Cost as \$8.349 million and System 5 Estimated Relocation Cost as \$6.354 million. The total Estimated Relocation Cost of \$14.703 million agrees with the total contained in the March 2008 First Annual Relocation Report to Congress.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Justice

Alcohol, Tobacco, Firearms and Explosives (ATFE)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁹	Total Transferred From SRF	Intra-Agency Adjustments ⁸	Adjusted Total	Cumulative Outlays
1	L Band COFDM Systems	36	Yes	\$16,777,930	\$23,008,632 ³	-\$15,474,822	\$7,533,810	\$1,604,984
2	Long Range Systems	36	Yes	\$10,000,000	\$11,017,500 ⁴	-\$9,915,970	\$1,101,530	\$0
3	Video over IP Systems	36	Yes	\$15,854,320	\$19,562,211 ⁵	\$18,581,954	\$38,144,165	\$4,239,368
4	Covert Systems	36	Yes	\$5,006,500	\$7,703,956 ⁶	-\$3,417,313	\$4,286,643	\$1,462,515
5	Misc/Training & Shipping	36	Yes	\$385,250	\$4,043,700 ⁷	-\$195,128	\$3,848,572	\$234,052
6	Accelerated Withdraw ²			\$0	\$0	\$10,421,279	\$10,421,279	\$5,239,033
Total				\$48,024,000	\$65,335,999	\$ 0	\$65,335,999	\$12,779,952

¹ The February 2007 OMB Report to Congress lists the ATFE as having 1641 systems. The correct number should be five. The ATFE system numbers have changed only as a result of reporting modifications associated with implementation management. There is no change to specific equipment counts contained in the systems and related reimbursement costs.

² The DOJ/ATFE has indicated System 6 was not identified in the March 2008 First Annual Relocation Report to Congress. The DOJ/ATFE states this allows the accelerated release of the spectrum earlier than the originally scheduled transition date of March 2010. DOJ/ATFE indicates this is required to implement temporary measures to accommodate early release of spectrum and allows the ATFE to continue operations at a diminished capacity until the relocation is complete, which is tentatively scheduled for April 2009.

³ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$6.230702 million from the Spectrum Relocation Fund (SRF) was made to the Department of Justice (DOJ)/ATFE in accordance with the provisions of the CSEA.

⁴ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$1.0175 million from the SRF was made to DOJ/ATFE in accordance with the provisions of the CSEA.

⁵ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$3.707891 million from the SRF was made to DOJ/ATFE in accordance with the provisions of the CSEA.

⁶ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$2.697456 million from the SRF was made to DOJ/ATFE in accordance with the provisions of the CSEA.

⁷ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$3.65845 million from the SRF was made to DOJ/ATFE in accordance with the provisions of the CSEA.

Total additional relocation funds are \$17,312,000.

⁸ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the Federal Agency.

⁹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Justice

Federal Bureau of Investigation (FBI)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁶	Total Transferred From SRF	Intra-Agency Adjustments ⁵	Adjusted Total	Cumulative Outlays
1	Airborne Systems	36	Yes	\$2,000,000	\$2,000,000	\$1,427,438	\$3,427,438	\$2,013,422
2	L/S Band (RF Systems)	36	Yes	\$77,000,000	\$77,000,000	-\$35,502,000	\$41,498,000	\$1,325,496
3	Central Receive Systems ³	36	Yes	\$30,000,000	\$30,000,000	-\$30,000,000	\$0	\$0
4	Point to Point (VOIP Systems)	36	Yes	\$27,000,000	\$27,000,000	\$4,951,594	\$31,951,594	\$3,712,823
5	Misc/ Administrative	36	Yes	\$3,225,000	\$3,225,000	\$42,594,517	\$45,819,517	\$4,401,203
6	Sensitive Mission System ²	36	Yes	\$0	\$0	\$1,318,202	\$1,318,202	\$968,202
7	Video Storage and Distribution ²	36	Yes	\$0	\$0	\$3,238,719	\$3,238,719	\$1,622,826
8	Accelerated Plan ^{2,4}	36	Yes	\$0	\$0	\$11,971,530	\$11,971,530	\$6,829,618
Total				\$139,225,000	\$139,225,000	\$ 0	\$139,225,000	\$20,873,590

¹ The February 2007 OMB Report to Congress lists FBI as having 119 systems plus one video surveillance system. The correct number should be five. The FBI system numbers have changed only as a result of reporting modifications associated with implementation management. There is no change to specific equipment counts contained in the systems and related reimbursement costs.

² The DOJ/FBI states Systems 6, 7 and 8 were added and did not appear in the March 2008 First Annual Relocation Report to Congress. In the February 2007 OMB Report to Congress these systems were identified as critical future needs. Funding was provided from System 2 (L/S Band (RF Systems)).

³ The DOJ/FBI states System 3 (Central Receive) is dependent on System 2 (L/S Band (RF Systems)) and funding and plan has been consolidated into System 2.

⁴ The DOJ/FBI states System 8 was added and did not appear in the March 2008 First Annual Relocation Report to Congress. The DOJ/FBI indicates this plan permits the accelerated release of the spectrum earlier than the originally scheduled transition date of March 2010 and was required to implement temporary measures to accommodate early release of spectrum. The DOJ/FBI noted that this plan allows continued operations at a diminished capacity until the relocation is complete, which is tentatively scheduled for April 2009.

⁵ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the Federal Agency.

⁶ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Justice

Drug Enforcement Agency (DEA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Video Surveillance	36	Yes	\$74,772,000	\$88,847,000 ¹	\$0	\$88,847,000	\$22,577,684
Total				\$74,772,000	\$88,847,000	\$ 0	\$88,847,000	\$22,577,684

¹ As indicated in the July 24, 2008 Congressional notification from OMB, a subsequent transfer of \$14.075 million from the Spectrum Relocation Fund (SRF) was made to DOJ/DEA in accordance with the provisions of the CSEA.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

DOJ-Support (Office of the Chief Information Officer)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
DOJ	DOJ WIDE SUPPORT	36	Yes	\$800,000	\$800,000	\$0	\$800,000	\$326,500
Total				\$800,000	\$800,000	\$ 0	\$800,000	\$326,500

¹ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Transportation

Federal Aviation Administration (FAA)

System Number	System Name	Estimated Relocation Timeframe (Months) ¹	Status (On Time)	Estimated Relocation Cost ⁷	Total Transferred From SRF	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays
1	Anchorage ³	43	Yes	\$6,356,917	\$6,356,917	-\$3,605,158	\$2,751,759	\$1,398,884
2	Fairbanks ³	46	Yes	\$941,755	\$941,755	-\$338,479	\$603,276	\$62,659
3	Kenai ³	21	Yes	\$1,820,471	\$1,820,471	-\$878,893	\$941,578	\$390,710
4	Norfolk	42	Yes	\$2,891,072	\$2,891,072	-\$1,547,137	\$1,343,935	\$213,274
5	Wilkes-Barre	33	Yes	\$932,226	\$932,226	-\$300,846	\$631,380	\$146,005
6	Minneapolis	31	Yes	\$922,954	\$922,954	-\$299,582	\$623,372	\$83,345
7	Denver-Greeley	32	Yes	\$948,603	\$948,603	-\$325,592	\$623,011	\$83,345
8	Grand Junction including ZDV-ZLC extended system ⁵	26	No ⁴	\$2,770,354	\$2,770,354	\$3,852,593	\$6,622,947	\$250,638
9	Parshall-Red Table	43	Yes	\$2,007,177	\$2,007,177	-\$621,801	\$1,385,376	\$125,319
10	Miller Peak-Missoula incl. ZSE-BZN & ZLC-BXN extended system ⁵	45	Yes	\$1,858,494	\$1,858,494	\$8,322,820	\$10,181,314	\$250,638
11	Medford including ZOA-ZSE extended system ^{3,5}	20	Yes	\$1,803,988	\$1,803,988	\$6,536,070	\$8,340,058	\$255,394
12	Pasco-Walllula	28	No ⁴	\$949,670	\$949,670	-\$300,591	\$649,079	\$187,978
13	Atlanta	30	Yes	\$941,691	\$941,691	-\$338,415	\$603,276	\$248,808
14	Puerto Rico-Virgin Islands	37	Yes	\$10,661,432	\$10,661,432	-\$5,443,956	\$5,217,476	\$689,253
15	Albuquerque Airport	30	Yes	\$1,842,874	\$1,842,874	-\$299,797	\$1,543,077	\$208,063
16	Albuquerque-Gallup including ZAB-ZDV extended system ^{3,5}	40	Yes	\$2,737,380	\$2,737,380	\$4,637,253	\$7,374,633	\$313,297
17	Boron-Rand ³	44	Yes	\$884,982	\$884,982	-\$884,982	\$0	\$0
18	Guam	28	No ⁴	\$2,898,490	\$2,898,490	-\$1,634,580	\$1,263,910	\$187,978
19	Hawaiian Islands	22	No ⁴	\$11,023,227	\$11,023,227	-\$6,813,206	\$4,210,021	\$979,458
20	Hilo	42	Yes	\$1,898,923	\$1,898,923	\$626,621	\$2,525,544	\$249,435
21	American Samoa	37	Yes	\$969,346	\$969,346	-\$342,342	\$627,004	\$248,808
Total				\$58,062,020²	\$58,062,020²	\$ 0	\$58,062,020²	\$6,573,289

¹ The estimated relocation timeframe listed in the February 2007 OMB Report to Congress was 48 months.

² A value of \$58,062,020 was contained in the National Telecommunications and Information Administration (NTIA) report to the Federal Communications Commission and Congress dated December 2005 and the Congressional notification from OMB dated February 16, 2007. This is the amount that was actually transferred to the FAA. In response to a request for data for this report, the FAA reported a value of \$58,062,027 for their total estimated relocation costs based on the summation of individual systems. The difference appears to be due to rounding.

³ The FAA indicated it has completed the relocation of the Anchorage, Kenai, Medford, Fairbanks, and Boron-Rand systems. The FAA notes the Albuquerque-Gallup 1.7 GHz link was decommissioned in March 2008, although replacement of system 16 is pending.

⁴ The FAA stated it will be requesting a 12-month extension for these systems due to changes in radio configuration that require the re-engineering of frequencies.

⁵ In June 2008, the FAA stated the NTIA/OMB approved the FAA solution including five extended 8 GHz RCL systems that were not part of the original 1.7 GHz relocation submission. Consistent with this, the FAA is transferring funds from some of the 1.7 GHz systems to the five systems which include these 8 GHz systems. These five systems include Grand Junction (1 extended 8 GHz system ZDV-ZLC), Miller Peak-Missoula (2 extended 8 GHz systems: ZSE-BZN & ZLC-BZN), Medford (ZOA-ZSE) and Albuquerque-Gallup (ZAB-ZDV).

⁶ Agencies are indicating they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the Federal Agency.

⁷ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Department of Treasury

Internal Revenue Service (IRS)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Covert Video Surveillance	28	Yes	\$4,409,000	\$4,409,000	\$0	\$0	\$431,486
Total				\$4,409,000	\$4,409,000	\$ 0	\$ 0	\$431,486

¹ The February 2007 OMB Report to Congress lists the IRS as having 100 systems, but that number represented the total number of devices affected by this relocation rather than the total number of systems. The aggregate number of devices should be considered part of one system for tracking purposes.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Inspector General for Tax Administration

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Covert Video Surveillance	28	Yes	\$892,000	\$892,000	\$0	\$0	\$75,283
Total				\$892,000	\$892,000	\$ 0	\$ 0	\$75,283

¹ The February 2007 OMB Report to Congress lists the Inspector General for Tax Administration as having ten systems. The correct number should be one since the number reported in February 2007 represented the total number of devices affected by this relocation rather than the total number of systems. The aggregate number of devices should be considered part of one system for tracking purposes.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

National Aeronautics and Space Administration

National Aeronautics and Space Administration (NASA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Air-to-Ground Video Telemetry System	24	Yes	\$720,000	\$720,000	\$0	\$0	\$245,000
2	Video Surveillance System	12 ¹	Yes	\$20,000	\$20,000	\$0	\$0	\$20,000
Total				\$740,000	\$740,000	\$ 0	\$ 0	\$265,000

¹ NASA has indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

Tennessee Valley Authority

Tennessee Valley Authority (TVA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Nashville – Paradise Fossil Plant	48	Yes	\$4,396,600	\$7,729,800 ¹	\$0	\$7,729,800	\$118,000
2	Shawnee Fossil Plant - DOE USEC	36	Yes	\$1,993,900	\$1,993,900	\$0	\$1,993,900	\$1,103,000
3	Weakley – Hickman	48	Yes	\$1,109,300	\$1,109,300	\$0	\$1,109,300	\$217,000
4	Power System Control Center - Bellefonte Nuclear Plant	48	Yes	\$1,875,400	\$1,875,400	\$0	\$1,875,400	\$183,000
5	Oak Ridge - Bull Run Fossil Plant	36	Yes	\$656,330	\$656,330	\$0	\$656,330	\$172,000
6	Franklin – Sewanee	36	Yes	\$656,327	\$656,327	\$0	\$656,327	\$186,000
Total				\$10,687,857	\$14,021,057	\$ 0	\$14,021,057	\$1,979,000

¹ As indicated in the August 27, 2008 Congressional notification from OMB, a subsequent transfer of \$3.3332 million from the SRF was made to TVA in accordance with the provisions of the CSEA.

² This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.

United States Postal Service

Inspection Service

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ³	Total Transferred From SRF	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
USPS001	Video Surveillance	12 ²	Yes	\$1,761,760	\$1,761,760	\$0	\$0	\$1,701,760
Total				\$1,761,760	\$1,761,760	\$ 0	\$ 0	\$1,701,760

¹ The February 2007 OMB Report to Congress lists the Inspection Service as having 508 systems. The United States Postal Service/Inspection Service reports it is in fact one system utilizing 508 devices.

² USPS/Inspection Service has indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

³ This refers to the pre-relocation estimates as indicated in the February 2007 OMB report.