

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

Fifth Annual
Progress Report



U.S. DEPARTMENT OF COMMERCE

**JOHN E. BRYSON
SECRETARY OF COMMERCE**

**LAWRENCE E. STRICKLING
ASSISTANT SECRETARY FOR
COMMUNICATIONS AND INFORMATION**

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

The National Telecommunications and Information Administration (NTIA) submits this report 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 to vacate certain wireless communications systems from the 1710 megahertz (MHz) to 1755 MHz radio spectrum that has been reallocated to commercial use. The NTIA published the first annual report to Congress in March 2008. That report covered relocation activity during the period from March 2007 through December 2007. Each subsequent annual report documents the cumulative progress through December. This annual report documents the cumulative progress since the commencement of relocation activity in March 2007 through December 2011.

As created by the CSEA, the Spectrum Relocation Fund (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 authorized the use of auction proceeds for relocation costs.

The CSEA designated 1710-1755 MHz as "eligible frequencies" for which federal relocation costs could be paid from the SRF. The NTIA and Federal Communications Commission (FCC) jointly reallocated for non-federal use the 1710-1755 MHz band and the FCC designated the spectrum for Advanced Wireless Services (AWS). In September 2006, the FCC concluded the first auction of licenses for AWS in the 1710-1755 MHz band paired with the 2110-2155 MHz band. In August 2008, the FCC held a second auction of licenses that were not sold in the first auction. The AWS auctions raised over \$13.7 billion in net winning bids. Auction proceeds attributable to federal frequencies were deposited in the SRF in accordance with the CSEA. For the two auctions, a total of 115 different bidders participated and the FCC issued a total of 1122 AWS 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. Between 2007 and 2011, OMB, consistent with the provisions of the CSEA, in consultation with NTIA and after Congressional Notification, made several additional transfers from the SRF to accommodate additional unanticipated relocation expenses. A summary of these transfers to date is listed in Table 1.

Table 1
Summary of Additional Funds Transferred from the SRF

Agency	Date of Transfer from OMB	Amount of Transfer from the Spectrum Relocation Fund
Department of Homeland Security	January 2008	\$35,570,000
Department of Justice	September 2008	\$31,387,000
Department of the Interior	October 2008	\$3,450,000
Tennessee Valley Authority	October 2008	\$3,333,200
Department of Justice	April 2009	\$93,458,000
Department of Energy	July 2009	\$18,380,000
Department of Justice	February 2010	\$168,758,000
Department of the Interior	February 2010	\$5,579,185
United States Postal Service	February 2010	\$6,572,000
Tennessee Valley Authority	December 2010	\$1,730,000

In October 2008, OMB issued guidance to federal agencies participating in the SRF specifying the information they must provide when requesting additional resources or an extension of their approved project timeframes.¹ OMB directed the agencies to adhere to their original cost and timeline estimates to the extent possible. However, in unforeseen circumstances, where agencies need additional resources or time to vacate the auctioned spectrum, Section 204 of the CSEA authorizes OMB, in consultation with NTIA, to approve changes to the timeframe and cost estimates associated with relocation of federal systems. OMB and NTIA review extension requests to ensure the timely relocation of federal systems from the 1710-1755 MHz band, and to minimize any potential impact to commercial licensees.

As required by Section 207 of the CSEA, this report describes the progress federal agencies have made in relocating out of the 1710-1755 MHz band. It details, on a system-by-system basis, the estimated relocation costs, the actual costs incurred, and the amounts paid from the SRF. The report is based on data submitted by the federal agencies to NTIA.

The vast majority of the 12 impacted federal agencies report that they are meeting their original relocation timeframe and cost estimates. For example, over the past year, federal agencies have relocated 24 systems from the 1710-1755 MHz band, bringing the total to 170 systems (approximately 95 percent of the total systems). In addition, 95 percent of all federal agencies' systems that had original relocation timeframes of 48 months or less have relocated.²

¹ M-09-01, "Spectrum Relocation Fund Guidance," October 14, 2008, <http://www.whitehouse.gov/sites/default/files/omb/assets/omb/memoranda/fy2009/m09-01.pdf>.

² This refers to the frequency(s) of the system being deleted and made available for non-federal use. In some cases, agencies continue to expend SRF funds until they have established comparable capabilities in other frequency bands or by using alternative methods (e.g., leased lines). NTIA will notify the FCC when these actions are completed.

Four agencies (United States Department of Agriculture, Department of Housing and Urban Development, National Aeronautics and Space Administration, and the Tennessee Valley Authority) reported they have completed the relocation effort and reached comparable capability. As required by the CSEA, NTIA has notified the FCC of these results.

Of the remaining agencies, the Department of Defense, Department of Homeland Security, Department of Justice, Department of Transportation/ Federal Aviation Administration, Department of Treasury, United States Postal Service, and some portions of the Department of the Interior and Department of Energy have vacated the 1710-1755 MHz band entirely. However, these agencies continue to spend SRF funds to complete their transition, in order to reach comparable capability of systems relative to their pre-relocation operations, as authorized by the CSEA. These agencies report that they expect to complete the relocation effort and achieve comparable capability between 2013 and 2015.

Some agencies have reported they have or plan to return excess relocation funds and have initiated the required process with OMB. For example, the Department of Defense (Navy) has returned in excess of \$51 million dollars.

For the 12 twelve month period ending December 2011, federal agencies have spent \$222 million dollars. As a result, this brings agencies' cumulative spending to \$836 million (60 percent) of the total estimated relocation costs of \$1.377 billion. This report details the actual costs incurred and reported by the federal agencies from the time SRF funds were first made available in March 2007 through December 2011.

Detailed examination of the agency submissions for this annual report reveals minor inconsistencies regarding prior year outlays for some agencies. These inconsistencies are only apparent when comparing prior year outlay data reported in the prior annual reports and have no impact on the cumulative outlay data contained in this report. These differences appear to be due mainly to the use of different accounting systems and associated practices across 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, details of the progress made in adhering to these timeframes, estimated and actual relocation costs, and amounts paid from the SRF. Attachment B of this report outlines 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

By

Department, Agency, and/or Bureau

Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months) ¹	Status (On Time)	Estimated Relocation Cost ⁵	Total Transferred From Spectrum Relocation Fund (SRF)	Cumulative Outlays
United States Department of Agriculture (USDA)	Forest Service	36	Yes ^{2,8}	\$21,578,486	\$21,578,486	\$11,689,402
Department of Defense	Air Force	48	Yes	\$106,753,481	\$106,753,481	\$79,265,921
Department of Defense	Army	36	Yes	\$15,933,043	\$15,933,043	\$6,099,460
Department of Defense	Navy	36	Yes	\$134,465,000	\$134,465,000	\$53,766,617
Department of Defense	DOD Wide Support	72	Yes	\$98,200,000	\$98,200,000	\$80,037,282
Department of Defense	Subtotal			\$355,351,524	\$355,351,524	\$219,169,280
Department of Energy (DOE)	National Nuclear Security Administration (NNSA)	24	Yes	\$10,900,000	\$10,900,000	\$9,258,141
DOE	Bonneville Power Administration (BPA)	72	Yes	\$48,627,399	\$48,627,399	\$32,928,637
DOE	Southwestern Power Administration (SWPA)	24	Yes ³	\$8,091,360	\$25,821,360 ⁶	\$25,821,360
DOE	Western Area Power Administration (Western)	36	No ⁴	\$108,202,200	\$108,202,200	\$56,975,513
DOE	DOE Headquarters	72	Yes	\$1,000,000	\$1,650,000 ⁷	\$1,303,858
DOE	Subtotal			\$176,820,959	\$195,200,959	\$126,287,509

¹ All timeframes shown in the tables contained in this appendix represent the originally approved timeframes for relocating federal operations from the band for each agency.

² On January 5, 2009 the National Telecommunications and Information Administration (NTIA) and the Office of Management and Budget (OMB) confirmed approval of timeline extensions for several systems from 24 to 36 months. USDA indicated that the full 36 months was necessary to relocate mountain-top systems that have short, three-month summer installation windows. On August 13, 2009, the USDA requested an additional 12-month extension until March 2011, which was necessary to relocate mountain-top systems that have short, three-month summer installation windows. On June 14, 2010, OMB, in consultation with NTIA, approved USDA's relocation compliance plan for several systems from 36 to 48 months.

³ OMB, in consultation with NTIA, granted DOE/SWPA a timeline extension until July 2011 as part of OMB's May 12, 2009 Congressional Notification. SWPA committed to working with AWS licensees to ensure they were able to deploy at the earliest opportunity. This extension was not expected to impact AWS licensees due to the remote locations of the systems in question.

⁴ On May 21, 2008 the DOE/Western requested an extension until April 2011 due to the limited summer installation window. Western indicated it had initiated coordination with affected AWS licensees and the preliminary results indicated the majority of those contacted had no objection. Western did not anticipate the requested delays would have an impact on the deployment of commercial wireless services due to the remote locations of the systems in question. On June 14, 2010, OMB, in consultation with NTIA, provisionally approved Western's relocation compliance plan, and transition plans are being developed and implemented in a manner that will not negatively impact critical federal functions, nor the commercial licensees' rollout of services. On December 19, 2011 DOE/Western requested an "additional extension" until June 2012 for part of the one remaining system that continues to operate in North Dakota. As of 12/31/11, NTIA and OMB had not completed their review of the request.

⁵ Pre-relocation estimates as indicated in the February 2007 OMB report to Congress.

⁶ As indicated in the May 12, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$17,730,000 from the SRF to DOE/SWPA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

⁷ As indicated in the May 12, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$650,000 from the SRF to DOE Headquarters in accordance with the provisions of the CSEA.

⁸ The USDA reports it completed the relocation effort and reached comparable capability during 2011.

Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁸	Total Transferred From Spectrum Relocation Fund (SRF)	Cumulative Outlays
Department of Homeland Security (DHS)	Customs and Border Protection (CBP)	12	Yes	\$74,349,990	\$74,349,990	\$27,125,012
DHS	Immigration and Customs Enforcement (ICE)	12	Yes	\$3,559,281	\$39,129,281 ¹	\$38,798,758
DHS	United States Secret Service (USSS)	12	Yes	\$105,800	\$105,800	\$105,800
DHS	DHS Wide Support	12	Yes	\$11,979,761	\$11,979,761	\$8,964,278
DHS	Subtotal			\$89,994,832	\$125,564,832	\$74,993,848
Department of Housing and Urban Development	Inspector General	24	Yes ¹⁴	\$21,115	\$21,115	\$21,115
Department of the Interior (DOI)	Bureau of Reclamation (BOR)	36	Yes	\$4,550,000	\$8,000,000 ²	\$4,885,299
DOI	Geological Survey (GS)	36	Yes	\$6,158,949	\$6,158,949	\$5,193,445
DOI	National Park Service (NPS)	36	No ⁹	\$14,703,000	\$20,282,185 ¹⁰	\$2,394,183
DOI	Subtotal			\$25,411,949	\$34,441,134	\$12,472,927
Department of Justice (DOJ)	Bureau of Alcohol Tobacco and Firearms, and Explosives (ATF)	36	Yes	\$48,024,000	\$86,174,000 ^{3,4,12}	\$37,568,027
DOJ	Federal Bureau of Investigation (FBI)	36	Yes	\$139,225,000	\$283,940,000 ^{5,13}	\$155,504,203
DOJ	Drug Enforcement Administration (DEA)	36	Yes	\$74,772,000	\$185,510,000 ^{6,7,11}	\$123,107,452
DOJ	DOJ Wide Support	36	Yes	\$800,000	\$800,000	\$523,537
DOJ	Subtotal			\$262,821,000	\$556,424,000	\$316,703,219

¹ As indicated in the November 16, 2007 Office of Management and Budget (OMB) report, OMB made a subsequent transfer of \$35,570,000 from the SRF to the DHS/ICE in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

² As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,450,000 from the SRF to the DOI/BOR in accordance with the provisions of the CSEA.

³ As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$17,312,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

⁴ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$14,041,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

⁵ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$23,730,000 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

⁶ As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$14,075,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

⁷ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$55,687,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

⁸ Pre-relocation estimates as indicated in the February 2007 OMB report to Congress.

⁹ On June 4, 2009 the DOI/NPS requested a three-year extension until April 2013, as it made the original relocation time estimate without adequate time for planning. DOI/NPS did not anticipate any impact on the deployment of commercial wireless services because the locations of DOI/NPS systems in question are extremely remote. On July 21, 2010, OMB and NTIA approved DOI/NPS's relocation compliance plan, and transition plans are being developed and implemented in a manner that will not negatively impact critical federal functions, nor the commercial licensees' rollout of services.

¹⁰ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$5,579,185 from the SRF to the DOI/NPS in accordance with the provisions of the CSEA.

¹¹ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$40,976,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

¹² As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$6,797,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

¹³ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$120,985,000 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

¹⁴ The Department of Housing and Urban Development reports it completed the relocation effort and reached comparable capability during 2011.

Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From the Spectrum Relocation Fund (SRF)	Cumulative Outlays
Department of Transportation (DOT)	Federal Aviation Administration (FAA)	46	Yes ¹	\$58,062,020 ²	\$58,062,020	\$53,539,154
Treasury	Internal Revenue Service	28	Yes	\$4,409,000	\$4,409,000	\$2,288,237
Treasury	Treasury Inspector General for Tax Administration	28	Yes	\$892,000	\$892,000	\$549,070
Treasury	Subtotal			\$5,301,000	\$5,301,000	\$2,837,307
National Aeronautics and Space Administration	National Aeronautics and Space Administration	24	Yes ⁷	\$740,000	\$740,000	\$740,000
Tennessee Valley Authority (TVA)	Tennessee Valley Authority	48	Yes ⁸	\$10,687,857	\$15,751,057 ^{3,6}	\$15,751,057
United States Postal Service (USPS)	Inspection Service	12	Yes	\$1,761,760	\$8,333,760 ⁵	\$1,701,760
Total				\$1,008,552,502	\$1,376,769,887	\$835,906,578

¹ On August 28, 2009, the DOT/FAA requested a 12-month extension for several systems until October 2010 due to changes in radio configuration that require the re-engineering of frequencies. National Telecommunications and Information Administration (NTIA) and Office of Management and Budget (OMB) did not grant a time extension to this agency since these systems were relocated in June 2010.

² \$58,062,020 has been made available to the FAA from the SRF, consistent with the NTIA 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 include rounding errors associated with individual systems cost; thus, these totals may not be consistent. See Appendix B at B-17 for details.

³ As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,333,200 from the SRF to the TVA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

⁴ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁵ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$6,572,000 from the SRF to the USPS in accordance with the provisions of the CSEA.

⁶ As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$1,730,000 from the SRF to TVA in accordance with the provisions of the CSEA.

⁷ The National Aeronautics and Space Administration reports it completed the relocation effort and reached comparable capability during 2011.

⁸ TVA Agency reports it completed the relocation effort and reached comparable capability during 2011.

Attachment B

1710 – 1755 MHz Band

Summary of Relocation Activities

By System

United States Department of Agriculture

Forest Service

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time) ⁸	Estimated Relocation Cost ⁶	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ⁵	Adjusted Total	Cumulative Outlays ⁷
USDA 001	Apache-Sitgreaves MW	18	Yes	\$960,000	\$960,000	-\$960,000.00	\$0	\$0 ³
USDA 002	Ashley MW	36-48 ¹	Yes ²	\$397,000	\$397,000	\$0	\$397,000	\$892,801
USDA 003	Boise MW	36-48 ¹	Yes ²	\$442,000	\$442,000	\$0	\$442,000	\$20,581
USDA 004	Challis MW	36-48 ¹	Yes ²	\$746,000	\$746,000	\$0	\$746,000	\$636,595
USDA 005	Cibola MW	36	Yes	\$843,000	\$843,000	-\$843,000.00	\$0	\$0 ³
USDA 006	Coconino MW	24	Yes	\$527,000	\$527,000	-\$527,000.00	\$0	\$0 ³
USDA 007	Coronado MW	24	Yes	\$92,000	\$92,000	-\$92,000.00	\$0	\$0 ³
USDA 008	Dixie MW	0	Yes	\$0	\$0	\$0.00	\$0	\$0 ⁴
USDA 009	Fishlake MW	24	Yes	\$675,000	\$675,000	-\$675,000.00	\$0	\$0 ³
USDA 010	Gila MW	24	Yes	\$1,049,000	\$1,049,000	-\$1,049,000.00	\$0	\$0 ³
USDA 011	IPNF MW	36	Yes	\$1,138,900	\$1,138,900	-\$1,138,900.00	\$0	\$0 ³
USDA 012	Kaibab MW	24	Yes	\$509,000	\$509,000	-\$509,000.00	\$0	\$0 ³
USDA 013	Lagrande MW	24	Yes	\$241,000	\$241,000	-\$241,000.00	\$0	\$0 ³
USDA 014	Lassen MW	36-48 ¹	Yes ²	\$818,000	\$818,000	\$0	\$818,000	\$1,056,171
USDA 015	Los Padres MW	36-48 ¹	Yes ²	\$107,000	\$107,000	\$0	\$107,000	\$2,700
USDA 016	Manti-Lasal MW	24	Yes	\$416,000	\$416,000	-\$416,000.00	\$0	\$0 ³
USDA 017	Ochoco MW	36	Yes	\$235,000	\$235,000	-\$235,000.00	\$0	\$0 ³
USDA 018	Payette MW	36	Yes	\$418,000	\$418,000	-\$418,000.00	\$0	\$0 ³
USDA 019	Plumas MW	36-48	Yes ²	\$1,925,000	\$1,925,000	\$0	\$1,925,000	\$1,589,900
USDA 020	Salmon MW	36-48 ¹	Yes ²	\$354,000	\$354,000	\$0	\$354,000	\$3,764
USDA 021	Sierra MW	36-48	Yes ²	\$1,072,000	\$1,072,000	\$0	\$1,072,000	\$10,029
USDA 022	Stanislaus MW	36-48	Yes ²	\$733,000	\$733,000	\$0	\$733,000	\$0
USDA 023	Toiyabe MW	36-48 ¹	Yes ²	\$448,000	\$448,000	\$0	\$448,000	\$695,305
USDA 024	Tonto MW	36	Yes	\$672,000	\$672,000	-\$672,000.00	\$0	\$0 ³
USDA 025	Uinta MW	24	Yes	\$636,000	\$636,000	-\$636,000.00	\$0	\$0 ³
USDA 026	Wassatch MW	24	Yes	\$1,206,000	\$1,206,000	-\$1,206,000.00	\$0	\$0 ³
USDA 027	Winema MW	0	Yes	\$0	\$0	\$0	\$0	\$0 ⁴
USDA 028	Additional Funds	36	Yes	\$4,918,586	\$4,918,586	\$0	\$4,918,586	\$6,781,555
Total				\$21,578,486	\$21,578,486	-\$9,617,900.00	\$11,960,586	\$11,689,402

¹ On January 5, 2009 the National Telecommunications and Information Administration (NTIA) and the Office of Management and Budget (OMB) confirmed approval of timeline extensions for several systems from 24 to 36 months. The United States Department of Agriculture (USDA) indicated that the full 36 months was necessary to relocate mountain-top systems that have short, three-month summer installation windows.

² On August 13, 2009, the USDA requested a 12-month extension until March 2011, which was necessary to relocate mountain-top systems that have short, three-month summer installation windows. USDA did not anticipate any impact on the deployment of commercial wireless services because the locations of the systems in question are extremely remote. On June 14, 2010, NTIA and OMB approved USDA's relocation compliance plan for several systems from 36 to 48 months.

³ USDA indicated the system has been decommissioned. It does not require replacement, and the USDA will return the funds to the SRF.

⁴ USDA indicated the system has been deleted, and did not require funds from the SRF.

⁵ Federal agencies indicate they are transferring funds between systems due to either higher or lower than estimated costs to relocate, which does not affect the total amount received from the SRF.

⁶ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁷ USDA has revised previously reported cumulative outlays. The reported 2010 cumulative outlays take this revision into account.

⁸ USDA reports it completed the relocation effort and reached comparable capability during 2011.

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 Spectrum Relocation Fund (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	\$29,248,533
USAF0001	Precision Guided Munitions – Missile Procurement	48	Yes	\$60,000,000	\$60,000,000	\$0	\$60,000,000	\$44,216,538
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	-\$333,547	\$878,453	\$878,453
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	\$57,475	\$2,867,856	\$2,493,926
USAF0006	Eglin Microwave	36	Yes	\$1,974,000	\$1,974,000	\$18,000	\$1,992,000	\$1,679,789
Total				\$106,753,481	\$106,753,481	-\$266,490	\$106,486,991	\$79,265,921

¹ USAF has one assignment (threat simulator) that operates on a non-interference basis. This does not require funds from the SRF.

² The February 2007 Office of Management and Budget (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 of the six systems is funded through two accounts. There is no impact on the total resources required to vacate the band since the number of frequency assignments to be vacated remains unchanged from the February 2007 OMB Report to Congress.

³ Column denotes that agencies have transferred 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 agency.

⁴ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

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 Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays
AR0001	1 – 11 th Aviation Ft. Rucker	33 ^{7,8}	Yes	\$752,000	\$752,000	\$1,698,104	\$2,450,104	\$810,119
AR0002	Army Material Command	24	Yes	\$1,185,000	\$1,185,000	-\$876,082	\$308,918	\$308,918
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 ⁷	Yes	\$161,000	\$161,000	\$0	\$161,000	\$160,283
AR0006	USACE – Portland District ⁴	36 ⁷	Yes	\$5,484,000	\$5,484,000	\$1,634,000	\$7,118,000	\$1,809,187
AR0007	USACE – Sacramento District ⁵	18	Yes	\$7,032,000	\$7,032,000	-\$3,754,391	\$3,277,609	\$2,855,042
AR0008	USACE – Tulsa District	36	Yes	\$32,000	\$32,000	-\$32,000	\$0	\$0
AR0009	White Sands Missile Range	24	Yes	\$464,000	\$464,000	-\$464,000	\$0	\$0
AR0010	PEO – EIS – PM DWTS	0 ^{2,7}	Yes	\$630,000	\$630,000	-\$563,763	\$66,237	\$22,769
Total				\$15,933,043	\$15,933,043	-\$2,418,033	\$13,515,010	\$6,099,460

¹ The February 2007 Office of Management and Budget (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 2007 OMB Report to Congress.

² The Army indicated this was mistakenly reported as 36 months in the March 2008 First Annual Relocation Report to Congress. AR0010 was established as an Army overhead account for shared program management and engineering costs, which after an initial trial period in 2007 the Army deemed was not necessary. The Army reports it will not spend all the funds in account AR0010 for shared program management and engineering costs and 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. However, Army used some of these Operations and Maintenance (O&M) funds to pay for temporary path leases necessary to maintain uninterrupted operations during the relocation process for selected assignments. Fiscal law prohibited to use Other Procurement funds for this purpose, which made the use of O&M funds out of the AR0010 account necessary.

³ Column denotes agencies have transferred funds between systems due to either higher or lower than estimated relocation costs and this action does not affect the total amount received from the SRF.

⁴ The Army indicated that assignments AR819881 and AR848053 had been erroneously identified as assignments that could be relocated without SRF funds and have added these two assignments 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 indicated that it has requested the National Telecommunications and Information Administration to delete all four of the frequency assignments for this system. 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 the estimated cost to relocate other Army systems.

⁶ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁷ The Army indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to achieve comparable capability.

⁸ The original four assignments in this system were relocated within 24 months. Two additional assignments (AR91551 & AR91552) were added to this system for management purposes. These two assignments were on a 33 month-timeline, which has been met. All six assignments in this system have been deleted. The original estimate of \$752,000 for this system was significantly underestimated. Further, adding assignments AR91551 & AR91552 to this system required additional funds. A total of \$1,698,104 had to be added to this project from other Army systems whose costs were overestimated.

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 the Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ²	Adjusted Total	Cumulative Outlays
USN0001	C,AYDST402S	36	Yes	\$134,000	\$134,000	\$875,000	\$1,009,000	\$ 1,009,000
USN0002	C,AYDST-400 SERIES	36	Yes	\$13,938,047	\$13,938,047	\$0	\$13,938,047	\$ 12,878,603
USN0003	C,PADVTL-2A	36	Yes	\$3,121,449	\$3,121,449	\$0	\$3,121,449	\$ 3,121,449
USN0004	C,AVKDRC-96	36	Yes	\$296,000	\$296,000	\$88,721	\$384,721	\$ 384,721
USN0005	C,CNNCTM-UHF-10V	36	Yes	\$21,000	\$21,000	\$502,383	\$523,383	\$ 523,383
USN0006	C,CNCCTM-UHF-10V	36	Yes	\$446,208	\$446,208	\$0	\$446,208	\$ 446,208
USN0007	C,AVKDR2C-96	36	Yes	\$446,208	\$446,208	\$0	\$446,208	\$ 446,208
USN0008	C,ACC-AT3620LV	36	Yes	\$1,338,621	\$1,338,621	\$0	\$1,338,621	\$ 1,338,621
USN0009	C,MOT-MTG1010A	36	Yes	\$271,000	\$271,000	\$85,000	\$356,000	\$ 356,000
USN0010	C,ERDEVT-3	36	Yes	\$892,414	\$892,414	\$0	\$892,414	\$ 892,414
USN0011	S,SMWVTX-36L20ADP	36	Yes	\$21,000	\$21,000	\$7,735	\$28,735	\$ 28,735
USN0012	G,HORACEVIDEO LINK	36	Yes	\$21,000	\$21,000	\$30,750	\$51,750	\$ 51,750
USN0013	C,PADVTL-2A	36	Yes	\$892,414	\$892,414	\$0	\$892,414	\$ 892,414
USN0014	G,HORACE VIDEO LINK	36	Yes	\$249,400	\$249,400	\$0	\$249,400	\$ 249,400
USN0015	C,CNCCTM-UHF-10V	36	Yes	\$21,000	\$21,000	\$12,000	\$33,000	\$ 33,000
USN0016	C,AYD T400	36	Yes	\$997,600	\$997,600	\$0	\$997,600	\$ 997,600
USN0017	C,AYD T400	36	Yes	\$891,397	\$891,397	\$0	\$891,397	\$ 891,397
USN0018	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0019	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0020	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0021	C,AYD T400	36	Yes	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0022	C,AYD T400	36	Yes	\$892,414	\$892,414	\$0	\$892,414	\$ 892,414
USN0023	C,ACTMDR-5402	36	Yes	\$587,000	\$587,000	\$171,688	\$758,688	\$ 758,688
USN0024	C,MOT MR-200	36	Yes	\$229,000	\$229,000	\$0	\$229,000	\$ 229,000
USN0025 ¹	CLASSIFIED	36 ⁵	Yes	\$44,146,000	\$44,146,000	-\$16,587,208	\$27,558,792	\$ 23,448,891
USN0025 ¹	HERP/HERO	36	Yes	\$1,235,000	\$1,235,000	\$0	\$1,235,000	\$ 809,482
USN0025 ¹	CLASSIFIED	36 ⁵	Yes	\$60,692,000	\$60,692,000	-\$50,692,000	\$10,000,000	\$ 402,411
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	\$ 468,000
USMC0003 ³	C,LOE LMC-402D2	36	Yes	\$100,000	\$100,000	\$0	\$100,000	\$ 100,000
USMC0004 ³	C,TBNTBT200LV	36	Yes	\$100,000	\$100,000	\$0	\$100,000	\$ 100,000
Total				\$134,465,000	\$134,465,000	-\$65,505,931	\$68,959,069	\$53,766,617

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

² Column denotes agencies have transferred 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.

³ USMC is the United States Marine Corps.

⁴ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

⁵ The Navy indicated that the frequency assignments associated with this system have been vacated out of the 1710-1755 MHz band, but that funds originally transferred from the SRF will continue to be used to complete hardware modifications to ensure that the operational effectiveness of this system is not diminished.

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 Spectrum Relocation Fund (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	\$11,713,012
DOD0002	Spectrum Management Transition Initiative	72	Yes	\$48,500,000	\$48,500,000	\$0	\$48,500,000	\$45,499,644
DOD0003	Spectrum Technology Test Bed	72	Yes	\$28,000,000	\$28,000,000	\$0	\$28,000,000	\$22,824,626
Total				\$98,200,000	\$98,200,000	\$ 0	\$98,200,000	\$80,037,282

¹ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

Department of Energy

National Nuclear Security Administration (NNSA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time) ¹	Estimated Relocation Cost	Total Transferred From the Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ³	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	\$691,000	\$691,000	\$0	\$691,000	\$691,000
3	Pantex Admin System	24	Yes	\$870,000	\$870,000	\$1,500,000	\$2,370,000	\$2,370,000
4a	SNL - Laser Tracking Microwave	24	Yes	\$344,500	\$344,500	\$0	\$344,500	\$344,500
4b	SNL - Telecommand Link	24	Yes	\$384,500	\$384,500	\$0	\$384,500	\$384,500
5	OST - Microwave Link	24	Yes	\$385,000	\$385,000	\$360,000	\$745,000	\$745,000
6	SNL - Remote Control Development Link - Robotics Vehicle	24	Yes	\$240,000	\$240,000	\$0	\$240,000	\$240,000
7	LANL - Robotic Vehicle (Video / Audio)	24	Yes	\$360,000	\$360,000	-\$277,402	\$82,598	\$82,598
8	NSO - YMP Microwave System	24	Yes	\$840,000	\$840,000	-\$763,360	\$76,640	\$76,640
9	NSO - NV Teleoperated System	24	Yes	\$435,000	\$435,000	-\$236,591	\$198,409	\$198,409
10	YMP Seismic Link (Shoshone Mtn and Echo Peak, NV)	24	Yes	\$900,000	\$900,000	\$0	\$900,000	\$507,867
11	NSO - Helicopter Event Video	24	Yes	\$970,000	\$970,000	\$100,000	\$1,070,000	\$1,070,000
12	NSO - Backbone Microwave Link (Nevada Test Site and Angel Peak)	24	Yes	\$770,000	\$770,000	\$100,000	\$870,000	\$870,000
13	NSO - YMP Seismic Link (Yucca Mtn and Sober Peak, NV)	24	Yes	\$830,000	\$830,000	\$0	\$830,000	\$427,627
14	LLNL - Research Microwave between Tracy Airport and LLNL	24	Yes	\$360,000	\$360,000	\$0	\$360,000	\$360,000
15	LLNL - Water System Microwave Link (Livermore to Mocho)	24	Yes	\$890,000	\$890,000	\$0	\$890,000	\$890,000
16	NNSA Inflation Indexed Reserve	24	Yes	\$1,450,000	\$1,450,000	-\$602,647	\$847,353	\$0
Total				\$10,900,000	\$10,900,000	\$0	\$10,900,000	\$9,258,141

¹ The Department of Energy (DOE)/NNSA indicated all the systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

² DOE/NNSA 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 Column denotes agencies have transferred 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.

⁴ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

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 Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays	
1	2N	36	Yes	\$4,896,239	\$4,896,239	\$0	\$4,896,239	\$3,897,651	
2	4A	48	Yes	\$1,147,111	\$1,147,111	\$0	\$1,147,111	\$825,296	
3	4D	60	Yes	\$1,727,645	\$1,727,645	\$500,000	\$2,227,645	\$1,399,811	
4	D	48	Yes	\$2,815,160	\$2,815,160	\$0	\$2,815,160	\$1,679,705	
5	H	48	Yes	\$767,501	\$767,501	\$0	\$767,501	\$545,870	
6	I	72	Yes	\$8,913,238	\$8,913,238	-\$500,000	\$8,413,238	\$1,783,677	
7	N	24 ²	Yes	\$8,589,111	\$8,589,111	\$83,506	\$8,672,617	\$8,284,400	
8	PND AC00	48	Yes	\$4,712,537	\$4,712,537	\$250,720	\$4,963,257	\$2,959,344	
9	PND D	48	Yes	\$1,975,385	\$1,975,385	-\$250,720	\$1,724,665	\$1,509,882	
10	PND XC00	36	Yes	\$5,063,823	\$5,063,823	\$1,460,105	\$6,523,928	\$3,977,564	
11	PND YC00	24 ²	Yes	\$6,441,748	\$6,441,748	-\$1,460,105	\$4,981,643	\$4,981,643	
12	T	12 ²	Yes	\$288,198	\$288,198	-\$83,506	\$204,692	\$204,692	
13	U	60	Yes	\$915,458	\$915,458	-\$5,000	\$910,458	\$502,267	
14	USA ¹	72	Yes	\$374,245	\$374,245	\$5,000	\$379,245	\$376,835	
				Total	\$48,627,399	\$48,627,399	\$ 0	\$48,627,399	\$32,928,637

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 expected to affect commercial access to the band, since this system operates in a backup capacity only.

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

³ Column denotes agencies have transferred 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.

⁴ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

Southwestern Power Administration (SWPA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ³	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Southwestern ¹	24	Yes ²	\$8,091,360	\$25,821,360 ⁴	\$0	\$25,821,360 ⁴	\$25,821,360
				Total	\$8,091,360	\$25,821,360⁴	\$ 0	\$25,821,360⁴

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 Office of Management and Budget (OMB), in consultation with the National Telecommunications and Information Administration, granted the Department of Energy (DOE)/SWPA a timeline extension until July 2011 as part of the May 12, 2009 OMB Congressional Notification. SWPA committed to working with the Advanced Wireless Service (AWS) licensees to ensure they were able to deploy at the earliest opportunity. This extension was not expected to impact AWS licensees due to the remote locations of the systems in question.

³ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁴ As indicated in the May 12, 2009 Congressional Notification from OMB, a subsequent transfer of \$17,730,000 from the SRF was made to DOE/SWPA in accordance with the provisions of the Commercial Spectrum Enhancement Act.

Department of Energy

Western Area Power Administration (Western)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁵	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ⁴	Adjusted Total	Cumulative Outlays
1	Sierra-Nevada Region (SNR)	30	Yes ¹	\$9,846,000	\$9,846,000	\$169,042	\$10,015,042	\$6,393,617
2	Rocky Mountain Region (RMR)	28	Yes ¹	\$5,971,200	\$5,971,200	\$1,310,582	\$7,281,782	\$6,140,304
3	Desert Southwest Region (DSW)	30	Yes ¹	\$7,320,000	\$7,320,000	-\$82,490	\$7,237,510	\$6,513,613
4	Upper Great Plains - Montana (UGP-PT)	36 ²	Yes ¹	\$22,275,000	\$22,275,000	\$407,076	\$22,682,076	\$19,183,262
5	Upper Great Plains - North Dakota (UGP-ND)	36 ²	No ^{1,6}	\$21,467,000	\$21,467,000	\$440,477	\$21,907,477	\$11,622,405
6	Upper Great Plains - South Dakota (UGP-SD)	36 ²	Yes ¹	\$26,688,000	\$26,688,000	\$473,910	\$27,161,910	\$7,122,312
AD ³	Corporate Overhead and Reserve	N/A	Yes ¹	\$14,635,000	\$14,635,000	-\$2,718,597	\$11,916,403	\$0
Total				\$108,202,200	\$108,202,200	\$ 0	\$108,202,200	\$56,975,513

¹ On May 21, 2008 the Department of Energy (DOE)/Western requested an extension until April 2011 due to the limited summer installation window. Western indicated it had initiated coordination with affected AWS licensees and the preliminary results indicated the majority of those contacted had no objections. Western did not anticipate the requested delays will impact the deployment of commercial wireless services due to the remote locations of the systems in question. On June 14, 2010, Office of Management and Budget (OMB), in consultation with the National Telecommunications and Information Administration, provisionally approved Western's relocation compliance plan, and transition plans are being developed and implemented in a manner that will not negatively impact critical federal functions, nor the commercial licensees' rollout of services.

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 from the SRF, consistent with funding eligibility under the Commercial Spectrum Enhancement Act. The "12 month" frequency assignments for these systems may also experience a delay for the reasons cited in footnote 1 above.

³ The DOE/Western 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 indicate 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.

⁵ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁶ On December 19, 2011, DOE/Western requested an "additional extension" until June 2012 for part of the one remaining system that continues to operate in North Dakota. As of 12/31/11, NTIA and OMB had not completed their review of the request.

DOE Headquarters

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
N/A	DOE Headquarters	72	Yes	\$1,000,000	\$1,650,000 ²	\$0	\$1,650,000	\$1,303,858
Total				\$1,000,000	\$1,650,000²	\$ 0	\$1,650,000	\$1,303,858

¹ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

² As indicated in the May 12, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$650,000 from the SRF to DOE Headquarters in accordance with the provisions of the Commercial Spectrum Enhancement Act.

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 Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	El Centro	12	Yes	\$9,913,332	\$9,913,332	-\$2,058,539	\$7,854,793	\$ 3,562,562
2	El Paso	12	Yes	\$21,065,830	\$21,065,830	-\$1,913,526	\$19,152,305	\$ 5,000,677
3	Yuma	12	Yes	\$9,913,332	\$9,913,332	-\$871,332	\$9,042,000	\$ 5,594,052
4	Rio Grande Valley	12	Yes	\$9,913,332	\$9,913,332	\$3,419,160	\$13,332,492	\$ 2,348,816
5	Laredo	12	Yes	\$9,913,332	\$9,913,332	\$585,760	\$10,499,092	\$ 2,352,644
6	Marfa	12	Yes	\$8,674,166	\$8,674,166	-\$1,075,049	\$7,599,116	\$ 2,705,150
7	Tucson	12	Yes	\$4,956,666	\$4,956,666	\$1,913,526	\$6,870,192	\$ 5,561,109
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	\$27,125,012

¹ The February 2007 Office of Management and Budget (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 Department of Homeland Security/CBP 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 Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

Immigration and Customs Enforcement (ICE)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ⁴	Total Transferred From Spectrum Relocation Fund (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	\$38,798,758
			Total	\$3,559,281	\$39,129,281	\$ 0	\$39,129,281	\$38,798,758

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 OMB Congressional Notification, OMB made a subsequent transfer of \$35,570,000 from the SRF to DHS/ICE in accordance with the provisions of the Commercial Spectrum Enhancement Act.

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

⁴ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

Department of Homeland Security

United States Secret Service (USSS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ²	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Fixed (Transportable)	12 ¹	Yes	\$105,800	\$105,800	\$0	\$105,800	\$105,800
Total				\$105,800	\$105,800	\$ 0	\$105,800	\$105,800

¹ The Department of Homeland Security/USSS 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.

² Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

DHS 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 Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
NA	DHS Wide Support	12	Yes	\$11,979,761	\$11,979,761	\$0	\$11,979,761	\$8,964,278
Total				\$11,979,761	\$11,979,761	\$ 0	\$11,979,761	\$8,964,278

¹ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

Department of Housing and Urban Development

Inspector General

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

¹ The Inspector General for the Department of Housing and Urban Development indicated all of its systems have transitioned out of the 1710-1755 MHz band, although funds may continue to be used to implement the transfer.

² Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

³ Department of Housing and Urban Development reports it completed the relocation effort and reached comparable capability during 2011.

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 Spectrum Relocation Fund (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	\$4,545,107
2	Frying Pan Arkansas	24	Yes ⁴	\$1,745,000	\$2,845,000 ²	\$0	\$2,845,000	\$340,192 ⁵
			Total	\$4,550,000	\$8,000,000	\$ 0	\$8,000,000	\$4,885,299

¹ As indicated in the August 27, 2008 Office of Management and Budget (OMB) Congressional Notification, OMB made a subsequent transfer of \$2,350,000 from the SRF to the Department of the Interior (DOI) /BOR in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

² As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$1,100,000 from the SRF to DOI/BOR in accordance with the provisions of the CSEA.

³ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁴ DOI/BOR indicated this system has been relocated from the 1710-1755 MHz band, although it may continue to use funds to implement the transition.

⁵ The previously reported 2008 cumulative outlays were revised. The reported 2009 cumulative outlays take this revision into account.

Geological Survey (GS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ¹	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
3	Earthquake-Seismic Monitoring	36	Yes ²	\$6,158,949	\$6,158,949	\$0	\$6,158,949	\$5,193,445
			Total	\$6,158,949	\$6,158,949	\$ 0	\$6,158,949	\$5,193,445

¹ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

² The Department of the Interior/USGS indicated this system has been relocated from the 1710-1755 MHz band, although it may continue to use funds to implement the transition.

Department of the Interior

National Park Service (NPS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost ^{1,2}	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
4	Natchez Trace Parkway	36	No ⁴	\$10,571,000	\$11,755,105 ⁵	\$1,996,000	\$13,751,105	\$934,396 ³
5	Blue Ridge Parkway	36	No ⁴	\$4,132,000	\$8,527,080 ⁶	-\$1,996,000	\$6,531,080	\$1,459,787 ³
Total				\$14,703,000	\$20,282,185⁷	\$ 0	\$20,282,185	\$2,394,183

¹ The March 2008 First Annual Relocation Report to Congress incorrectly reported the System 4 Estimated Relocation Cost as \$8,349,000 and System 5 Estimated Relocation Cost as \$6,354,000. The total Estimated Relocation Cost of \$14,703,000 agrees with the total contained in the March 2008 First Annual Relocation Report to Congress.

² Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

³ The previously reported 2008 cumulative outlays were revised. The reported 2009 cumulative outlays take this revision into account.

⁴ On June 4, 2009, the Department of the Interior (DOI)/NPS requested a three-year extension until April 2013, as it made the original time estimate without adequate time for planning. DOI/NPS did not anticipate any impact on the deployment of commercial wireless services because the locations of DOI/NPS systems in question are extremely remote. On July 21, 2010, OMB, in consultation with the National Telecommunications and Information Administration, approved DOI/NPS's relocation compliance plan, and transition plans are being developed and implemented in a manner that will not negatively impact critical federal functions, nor the commercial licensees' rollout of services.

⁵ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$1,184,105 from the SRF to the DOI/NPS in accordance with the provisions of the Commercial Spectrum Enhancement Act.

⁶ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$4,395,080 from the SRF to the DOI/NPS in accordance with the provisions of the CSEA.

⁷ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a total transfer of \$5,579,185 from the SRF to the DOI/NPS in accordance with the provisions of the CSEA.

Department of Justice

Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time) ¹⁵	Estimated Relocation Cost ¹⁴	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ¹³	Adjusted Total	Cumulative Outlays
1	L Band COFDM Systems	36	Yes	\$16,777,930	\$27,984,110 ^{3,8,16}	-\$7,901,723	\$20,082,386	\$1,639,222
2	Long Range Systems	36	Yes	\$10,000,000	\$13,015,868 ^{4,9,17}	-\$8,265,221	\$4,750,647	\$619,448
3	Video over IP Systems	36	Yes	\$15,854,320	\$28,952,329 ^{5,10,18}	\$11,031,923	\$39,984,252	\$19,210,081
4	Covert Systems	36	Yes	\$5,006,500	\$9,721,816 ^{6,11}	-\$1,917,404	\$7,804,412	\$4,504,177
5	Misc/Training & Shipping	36	Yes	\$385,250	\$6,045,616 ^{7,12,19}	-\$2,918,777	\$3,126,840	\$1,169,636
6	Accelerated Withdraw ²			\$0	\$454,261 ²⁰	\$9,971,202	\$10,425,463	\$10,425,463
Total				\$48,024,000	\$86,174,000²¹	\$ 0	\$ 86,174,000	\$37,568,027

¹ The February 2007 Office of Management and Budget (OMB) Report to Congress lists the ATF as having 1641 systems. The correct number should be five. The ATF 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 Department of Justice (DOJ)/ATF indicated System 6 was not identified in the March 2008 First Annual Relocation Report to Congress. The DOJ/ATF states this allows the accelerated release of the spectrum earlier than the originally scheduled transition date of March 2010. DOJ/ATF indicates this is required to implement temporary measures to accommodate early release of spectrum and allows the ATF to continue operations at a diminished capacity until the relocation is complete, which was completed in April 2010.

³ As indicated in the July 24, 2008 Congressional Notification from OMB, a subsequent transfer of \$6,230,702 from the SRF was made to DOJ/ATF in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

⁴ As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$1,017,500 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

⁵ As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,707,891 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

⁶ As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$2,697,456 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

⁷ As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,658,450 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

⁸ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$4,952,378 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

⁹ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,908,368 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

¹⁰ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$5,081,068 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

¹¹ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$2,017,860 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

¹² As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$81,327 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

¹³ The DOJ/ATF indicates 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.

¹⁴ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

¹⁵ The DOJ/ATF indicated the systems have been relocated from the 1710-1755 MHz band by implementing an interim solution; it will use remaining funds to implement a final long-term solution.

¹⁶ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$23,100 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

¹⁷ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$90,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

¹⁸ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$4,309,050 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

¹⁹ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$1,920,589 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

²⁰ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$454,261 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

²¹ Total additional relocation funds for 2008 are \$17,312,000 and for 2009 the total additional relocation funds are \$14,041,000 and for 2010 the total additional relocation funds are \$6,797,000.

Department of Justice

Federal Bureau of Investigation (FBI)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time) ¹³	Estimated Relocation Cost ⁶	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ⁵	Adjusted Total	Cumulative Outlays
1	Airborne Systems	36	Yes	\$2,000,000	\$30,491,000 ^{7,14}	\$412,188	\$30,903,188	\$8,199,942
2	L/S Band (RF Systems)	36	Yes	\$77,000,000	\$99,689,562 ^{8,15}	-\$34,486,750	\$65,202,812	\$52,899,724
3	Central Receive Systems ³	36	Yes	\$30,000,000	\$49,043,877 ¹⁶	-\$30,000,000	\$19,043,877	\$966,930
4	Point to Point (VOIP Systems)	36	Yes	\$27,000,000	\$48,142,732 ^{9,17}	\$4,951,594	\$53,094,326	\$37,536,574
5	Misc/ Administrative	36	Yes	\$3,225,000	\$24,888,378 ^{10,18}	\$42,594,517	\$67,482,895	\$22,837,112
6	Sensitive Mission System ²	36	Yes	\$0	\$30,684,450 ^{11,19}	\$1,318,202	\$32,002,652	\$17,779,159
7	Video Storage and Distribution ²	36	Yes	\$0	\$1,000,000 ¹²	\$3,238,719	\$4,238,718	\$3,313,235
8	Accelerated Plan ^{2,4}	36	Yes	\$0	\$0	\$11,971,530	\$11,971,530	\$11,971,527
Total				\$139,225,000	\$283,940,000²⁰	\$ 0	\$283,940,000	\$155,504,203

¹ The February 2007 Office of Management and Budget (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 Department of Justice (DOJ)/FBI states it added Systems 6, 7 and 8, which did not appear in the March 2008 First Annual Relocation Report to Congress. The February 2007 OMB Report to Congress identified these systems as critical future needs. DOJ/FBI indicated that funding for these systems 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 for System 3 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 was completed in April 2009.

⁵ The DOJ/FBI states 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.

⁶ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁷ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

⁸ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

⁹ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

¹⁰ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$730,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

¹¹ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$19,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

¹² As indicated in the January 14, 2009 OMB Congressional Notification from OMB, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

¹³ The DOJ/FBI indicated the systems have been relocated from the 1710-1755 MHz band by implementing an interim solution; it will use the remaining funds to implement a final long-term solution.

¹⁴ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$27,491,000 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

¹⁵ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$21,689,562 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

¹⁶ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$19,043,877 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

¹⁷ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$20,142,732 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

¹⁸ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$20,933,378 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

¹⁹ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$11,684,450 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

²⁰ Total additional relocation funds for 2009 are \$23,730,000 and for 2010 the total additional relocation funds are \$120,985,000.

Department of Justice

Drug Enforcement Administration (DEA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time) ⁵	Estimated Relocation Cost ¹	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Video Surveillance	36	Yes	\$74,772,000	\$185,510,000 ^{2,3,4}	\$0	\$185,510,000	\$123,107,452
Total				\$74,772,000	\$185,510,000	\$ 0	\$185,510,000	\$123,107,452

¹ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

² As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$14,075,000 from the SRF to the Department of Justice (DOJ)/DEA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

³ As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$55,687,000 from the SRF to DOJ/DEA in accordance with the provisions of the CSEA.

⁴ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$40,976,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

⁵ The DOJ/DEA indicated the systems have been relocated from the 1710-1755 MHz band by implementing an interim solution; it will use remaining funds to implement a final long-term solution.

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 Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
DOJ	DOJ WIDE SUPPORT	36	Yes	\$800,000	\$800,000	\$0	\$800,000	\$523,537
Total				\$800,000	\$800,000	\$ 0	\$800,000	\$523,537

¹ Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

Department of Transportation

Federal Aviation Administration (FAA)

System Number	System Name	Estimated Relocation Timeframe (Months) ¹	Status (On Time) ⁸	Estimated Relocation Cost ⁷	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ⁶	Adjusted Total	Cumulative Outlays
1	Anchorage ³	43	Yes	\$6,356,917	\$6,356,917	\$602,017	\$6,958,934	\$5,977,192
2	Fairbanks ³	46	Yes	\$941,755	\$941,755	-\$299,762	\$641,993	\$472,150
3	Kenai ³	21	Yes	\$1,820,471	\$1,820,471	-\$144,728	\$1,675,743	\$1,565,103
4	Norfolk	42	Yes	\$2,891,072	\$2,891,072	-\$1,536,801	\$1,354,271	\$1,190,897
5	Wilkes-Barre ³	33	Yes	\$932,226	\$932,226	\$62,659	\$994,885	\$760,707
6	Minneapolis ³	31	Yes	\$922,954	\$922,954	\$126,503	\$1,049,457	\$815,536
7	Denver-Greeley ³	32	Yes	\$948,603	\$948,603	-\$21,658	\$926,945	\$829,833
8	Grand Junction including ZDV-ZLC extended system ⁵	26	Yes ⁴	\$2,770,354	\$2,770,354	-\$372,462	\$2,397,892	\$2,151,287
9	Parshall-Red Table	43	Yes	\$2,007,177	\$2,007,177	\$159,255	\$2,166,432	\$1,998,782
10	Miller Peak-Missoula incl. ZSE-BZN & ZLC-BXN extended system ⁵	45	Yes	\$1,858,494	\$1,858,494	\$1,091,741	\$2,950,235	\$2,895,146
11	Medford including ZOA-ZSE extended system ^{3,5}	20	Yes	\$1,803,988	\$1,803,988	\$1,344,459	\$3,148,447	\$3,098,492
12	Pasco-Wallula	28	Yes ⁴	\$949,670	\$949,670	-\$45,468	\$904,202	\$849,520
13	Atlanta	30	Yes ⁴	\$941,691	\$941,691	\$334,418	\$1,276,109	\$1,053,474
14	Puerto Rico-Virgin Islands	37	Yes ⁴	\$10,661,432	\$10,661,432	-\$458,779	\$10,202,653	\$9,927,491
15	Albuquerque Airport ³	30	Yes	\$1,842,874	\$1,842,874	\$1,487,637	\$3,330,511	\$2,956,972
16	Albuquerque-Gallup including ZAB-ZDV extended system ^{3,5}	40	Yes	\$2,737,380	\$2,737,380	\$420,224	\$3,157,604	\$2,719,115
17	Boron-Rand ³	44	Yes	\$884,982	\$884,982	-\$884,982	\$0	\$0
18	Guam	28	Yes ⁴	\$2,898,490	\$2,898,490	\$115,549	\$3,014,039	\$2,896,352
19	Hawaiian Islands	22	Yes ⁴	\$11,023,227	\$11,023,227	-\$2,640,697	\$8,382,530	\$8,165,337
20	Hilo	42	Yes	\$1,898,923	\$1,898,923	\$467,016	\$2,365,939	\$2,122,019
21	American Samoa	37	Yes	\$969,346	\$969,346	\$193,859	\$1,163,205	\$1,093,749
Total				\$58,062,020²	\$58,062,020²	\$ 0	\$58,062,020²	\$53,539,154

¹ The estimated relocation timeframe listed in the February 2007 Office of Management and Budget (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 its total estimated relocation costs based on the summation of individual systems. The difference appears to be due to rounding.

³ The FAA indicated it completed the relocation of the Anchorage, Kenai, Wilkes-Barre, Denver-Greeley, Minneapolis, Medford, Fairbanks, Albuquerque Airport, Albuquerque-Gallup, and Boron-Rand systems, although funds may continue to be used to implement the transition. The FAA notes the Albuquerque-Gallup 1710-1755 MHz link was decommissioned March 2008, although replacement of system 16 is pending.

⁴ On August 28, 2009, the FAA requested a 12-month extension for these six systems due to changes in radio configuration that require the re-engineering of frequencies. NTIA and OMB did not grant a time extension to this agency since three of six systems (8 – Grand Junction (not including the ZDV-ZLC extended system), 12 – Pasco-Wallula, and 18 – Guam) were all completed by November 2009 after the FAA submission of the extension request to NTIA/OMB. The remaining three systems did not require an extension as they were relocated in June 2010 as originally scheduled.

⁵ In June 2008, the FAA stated the NTIA/OMB approved the FAA solution including five extended 7125-8500 MHz RCL systems that were not part of the original 1710-1755 MHz relocation submission. Consistent with this, the FAA is transferring funds from some of the 1710-1755 MHz systems to the five systems that include these 7125-8500 MHz systems. These five systems include Grand Junction (1 extended 7125-8500 MHz system ZDV-ZLC), Miller Peak-Missoula (2 extended 7125-8500 MHz systems: ZSE-BZN & ZLC-BZN), Medford (ZOA-ZSE) and Albuquerque-Gallup (ZAB-ZDV).

⁶ Agencies indicate 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.

⁷ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁸ The FAA indicated all systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

Department of Treasury

Internal Revenue Service (IRS)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time) ³	Estimated Relocation Cost ²	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Covert Video Surveillance	28	Yes	\$4,409,000	\$4,409,000	\$0	\$4,409,000	\$2,288,237
Total				\$4,409,000	\$4,409,000	\$ 0	\$4,409,000	\$2,288,237

¹ The February 2007 Office of Management and Budget (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 Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

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

Treasury Inspector General for Tax Administration (TIGTA)

System Number	System Name ¹	Estimated Relocation Timeframe (Months)	Status (On Time) ³	Estimated Relocation Cost ²	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Covert Video Surveillance	28	Yes	\$892,000	\$892,000	\$0	\$892,000	\$549,070
Total				\$892,000	\$892,000	\$ 0	\$892,000	\$549,070

¹ The February 2007 Office of Management and Budget (OMB) Report to Congress lists TIGTA 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 Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

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

National Aeronautics and Space Administration

National Aeronautics and Space Administration (NASA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time) ⁵	Estimated Relocation Cost ²	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ⁴	Adjusted Total	Cumulative Outlays
1	Air-to-Ground Video Telemetry System	24 ¹	Yes	\$720,000	\$720,000	\$401	\$720,401	\$720,401
2	Video Surveillance System	12 ¹	Yes	\$20,000	\$20,000	-\$401	\$19,599	\$ 19,599 ³
Total				\$740,000	\$740,000	\$ 0	\$740,000	\$740,000

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

² Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

³ The reported cost to replace and relocate System 2 Video Surveillance System was \$20,000.00. This was reported as a cumulative outlay in 2008 as \$20,000.00; however it was reported in error and should have been \$19,599,000. The \$401.00 was transferred to System 1.

⁴ NASA indicated 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.

⁵ NASA reports it completed the relocation effort and reached comparable capability during 2011.

Tennessee Valley Authority

Tennessee Valley Authority (TVA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time) ¹⁰	Estimated Relocation Cost ²	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments ³	Adjusted Total	Cumulative Outlays
1	Nashville – Paradise Fossil Plant	48	Yes	\$4,396,600	\$8,714,800 ^{1,4}	-\$29,232	\$8,685,568	\$8,685,568
2	Shawnee Fossil Plant - DOE USEC	36	Yes	\$1,993,900	\$2,288,900 ⁵	\$45,626	\$2,334,526	\$2,334,526
3	Weakley – Hickman	48	Yes	\$1,109,300	\$1,224,300 ⁶	\$0	\$1,224,300	\$1,224,300
4	Power System Control Center - Bellefonte Nuclear Plant	48	Yes	\$1,875,400	\$2,030,400 ⁷	\$0	\$2,030,400	\$2,030,400
5	Oak Ridge - Bull Run Fossil Plant	36	Yes	\$656,330	\$656,330	-\$50,715	\$605,615	\$605,615
6	Franklin – Sewanee	36	Yes	\$656,327	\$836,327 ⁸	\$34,321	\$870,648	\$870,648
Total				\$10,687,857	\$15,751,057⁹	\$ 0	\$15,751,057	\$15,751,057

¹ As indicated in the August 27, 2008 Office of Management and Budget (OMB) Congressional Notification, OMB made a subsequent transfer of \$3,333,200 from the SRF to TVA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

² Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

³ Agencies indicate 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.

⁴ As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$985,000 from the SRF to TVA in accordance with the provisions of the CSEA.

⁵ As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$295,000 from the SRF to TVA in accordance with the provisions of the CSEA.

⁶ As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$115,000 from the SRF to TVA in accordance with the provisions of the CSEA.

⁷ As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$155,000 from the SRF to TVA in accordance with the provisions of the CSEA.

⁸ As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$180,000 from the SRF to TVA in accordance with the provisions of the CSEA.

⁹ Total additional relocation funds for 2008 are \$3,333,200 and for 2010 the total additional relocation funds are \$1,730,000.

¹⁰ TVA reports it completed the relocation effort and reached comparable capability during 2011.

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 Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
USPS001	Video Surveillance	12 ²	Yes	\$1,761,760	\$8,333,760 ⁴	\$0	\$8,333,760	\$1,701,760
			Total	\$1,761,760	\$8,333,760	\$ 0	\$8,333,760	\$1,701,760

¹ The February 2007 Office of Management and Budget (OMB) Report to Congress lists the Inspection Service as having 508 systems. The United States Postal Service (USPS)/Inspection Service reports it is in fact one system utilizing 508 devices.

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

³ Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

⁴ As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$6,572,000 from the SRF to the USPS in accordance with the provisions of the Commercial Spectrum Enhancement Act.