

Radio Services Fund Emergency Preparedness Capital Projects/ Outcomes/Achievements

Current and Proposed Capital Projects

Project #	Project Name	Expected Completion Year	Total Budget Project Cost	Estimated % Complete at Year End '06	Estimated Net Oper. Impact	Est. Depreciation Expense
200617	Radio Services Building Exp/Renovation	2010	\$443,000	0%	TBD	\$22,000

County-Wide Key Strategic Outcome: A safe county

Objective 1: Maximize uptime, performance and reliability of countywide trunked radio and mobile data communications. (Trunked Radio and Radio Services Operations)

Key Outcome Indicator: System wide unimpaired up-time is crucial to public safety communications downtime. Since these initiatives began downtime has been zero. Note, if one catastrophic Uninterruptible Power Source (UPS) failure occurs, the failure should be unnoticeable to system users with no disruption in communications (previously would have resulted in system wide communications failure).

Performance Measure:	2005 Actual	2006 Target	2006 Estimate	2007 Target
Trunked System unimpaired uptime (reliability)	>99.5%	99.9%	99.9%	99.9%
Percent of time the system has unimpaired coverage (performance)	N/A	N/A	99.9%	99.9%

Objective 2: Provide rapid, reliable, and scalable countywide public safety mobile data service. (Radio Services Operations)

Key Outcome Indicator: New mobile data system has been successfully implemented with approximately 210 units online. Coverage, throughput and reliability are noticeably improved verses the previous system. (Radio Services Operation)

Performance Measure:	2005 Actual	2006 Target	2006 Estimate	2007 Target
Agencies served	23	23	26	26
Geographic Coverage	96%	98%	>99.5%	>99.5%
Gross Data throughput (all sites)	0.8 kbps	32 kbps	192 kbps	192 kbps

* Throughput is the amount of data that can flow through the system including all tower sites.

Major Departmental Strategic Achievements from 7/01/05 to 6/30/06

Provide Comprehensive Customer Service

1. Completed Mobile Data System implementation, including installation of all mobile equipment and software; conducted train-the-trainer user sessions, and successfully oversaw and administered cutover from existing to new mobile data system and software. This project was funded with Federal Homeland Security-Urban Area Security initiative grant funding.
2. Oversaw selection, adoption and continue to work toward implementation of a practical solution to access Waukesha County Communications Center (WCC) Computer Aided Dispatch (CAD) and Records Management System (RMS) information by mobile users. Ensured appropriate training was provided, and that required software and hardware was tested and implemented.

Retain and Develop a High Quality Workforce

1. Ensured that technicians are fully trained. Completed all technician training on new mobile data system, mobile equipment and ancillary items. Trained new technician, within budget limitations, to maintain and repair the trunked radio system and trunked user equipment.

Radio Services Emergency Preparedness Program

Fund

Trunked Radio Operations

County-Wide Key Strategic Outcome: A safe county

Program Description

Provides centralized system administration, maintenance, and support for the operations of the infrastructure for 36 of the County's 37 municipalities and 7 separate fire districts to maintain over 3,700 mobile & portable radios utilizing countywide 800 MHz trunked radio system. This includes 7 antenna sites, 13 radio channels, 93 transmitters, and 113 control base stations.

	2005 Actual	2006 Budget	2006 Estimate	2007 Budget	Budget Change
Staffing (FTE)	2.16	0.75	0.65	0.65	(0.10)
Charges for Services	\$195,609	\$169,540	\$169,540	\$180,695	\$11,155
Interdepartmental	\$135,679	\$22,193	\$21,950	\$25,259	\$3,066
Other Revenue	\$117,008	\$0	\$70,903	\$0	\$0
Appr. Fund Balance (c)	\$102,212	\$117,008	\$117,127	\$70,903	(\$46,105)
County Tax Levy (a)	\$0	\$0	\$0	\$0	\$0
Total Revenues:	\$550,508	\$308,741	\$379,520	\$276,857	(\$31,884)
Personnel Costs	\$134,288	\$66,651	\$58,940	\$64,160	(\$2,491)
Operating Expenses	\$73,364	\$93,635	\$91,568	\$97,555	\$3,920
Interdept. Charges	\$57,143	\$31,447	\$31,347	\$44,239	\$12,792
Interdept. Charges - Int Exp	\$102,212	\$117,008	\$117,008	\$70,903	(\$46,105)
Debt-Gen.Fd Loan Repay (Memo)(a)	\$559,295	\$574,628	\$574,628	\$590,604	\$15,976
Fixed Assets (Memo) (b)	\$559,295	\$574,628	\$574,628	\$590,604	\$15,976
Total Expenditures: (a,b)	\$367,007	\$308,741	\$298,863	\$276,857	(\$31,884)
Rev. Over (Under) Exp. (a)	\$183,501	-	\$80,657	-	-

(a) Debt repayment of a general fund loan for the Trunked Radio infrastructure and radio equipment. Repayment is funded with cash balance generated by repayments from municipalities. The repayment amount is excluded from the expenditure total due to the accounting entry for the repayment applied to the balance sheet advances from other funds liability account.

(b) Total expenditures and net operating income exclude fixed assets to conform with financial accounting standards.

(c) Radio Service Fund Balance is appropriated to repay the General Fund for the interest on the loan to the municipalities to acquire Trunk Radio equipment. Radio Services received \$117,008 in 2005, and \$70,903 in 2006 and repays these amounts to the General Fund in the year after receipt.



Program Highlights

Charges for Services revenues are budgeted to increase by \$11,155 due to increasing costs for trunked radio operations. Interdepartmental revenues are estimated to increase \$3,066 largely due to a projected increase in installation and radio reprogramming charges for County agencies of \$2,760. Appropriated Radio Services Fund Balance of \$70,903 is used for the repayment schedule of the General Fund loan; the loan interest payments are received in the prior year as other revenue (not budgeted for) and are paid back to the General Fund in the following year.

Personnel costs decrease by \$2,491 despite cost to continue increases for 0.65 FTE due to decrease in 0.10 FTE associated with the abolishment of the Programs and Projects Analyst position in June 2006. Operating expenses increase by \$3,920 due to \$1,000 increase in natural gas based on anticipated increases for 2007 and a \$1,650 increase in electrical supplies expenditures in an effort to have the budget reflect closer to actual spending levels.

Radio Services Fund Emergency Preparedness Program

Equipment Replacement – Trunk Radios

Program Description

Provides for the accumulation of funding to afford the replacement of equipment after the useful life is exhausted. Equipment included in this accumulation is Trunked Radio replacement for County departments' radio (portable/mobile/sirens) units, including Sheriff ancillary items such as cases, speakers, and microphones. Not included is any Trunk Radio Infrastructure replacement or municipal agencies radio equipment.

	2005 Actual	2006 Budget	2006 Estimate	2007 Budget	Budget Change
Staffing (FTE)	0.00	0.00	0.00	0.00	0.00
Interdepartmental (b)	\$155,252	\$161,773	\$161,773	\$183,248	\$21,475
Appr. Fund Balance (c)	\$212,000	\$212,000	\$212,000	\$212,000	\$0
County Tax Levy	\$0	\$0	\$0	\$0	\$0
Total Revenues: (b)(c)	\$367,252	\$373,773	\$373,773	\$395,248	\$21,475
Operating Expenses (a)	\$210,564	\$212,000	\$212,000	\$212,000	\$0
Fixed Assets (Memo)	\$0	\$0	\$0	\$0	\$0
Total Expenditures: (a)	\$210,564	\$212,000	\$212,000	\$212,000	\$0
Rev. Over (Under) Exp. (a)	\$156,688	\$161,773	\$161,773	\$183,248	\$21,475

- (a) Expenditures to be incurred result from the depreciation expense of the county share (\$1.9 million) of the trunk radio infrastructure costs to be totally offset by the appropriation of Radio Services Fund Balance. Original radio purchases are made from the capital project and expensed in the year of purchase based on a \$5,000 minimum capitalization level.
- (b) Amounts charged back as lease charges to departments provides a sinking fund to build up fund balance reserves planned for over a nine-year / ten-year replacement period. This allows for funds to be available for necessary and timely replacements. Funding from departments include various revenue sources including tax levy.
- (c) Other revenue includes Radio Service fund balance appropriation of \$212,000 for 2005 through 2007. Fund balance is designated to offset depreciation expense related to the County's portion of the trunked radio infrastructure. Therefore, no sinking fund is building up for future infrastructure replacement cost. This would need to be funded from a future capital project.



Program Highlights

The 2007 revenue budget continues the accumulation of funds for County departments to be used as a user equipment replacement fund. The 2007 expenditure budget continues the recognition of depreciation expense for the County portion of the Trunked Radio infrastructure costs. The increase in the equipment fund replacement charge for 2007 by \$21,475 is related to an increase in the number of radios that were added to the fund for 2007. The radios that were added have a nine-year replacement life and since many of the radios were grant funded, the full replacement impact will be phased in over the next three years.



Activity – Radio Replacement Charges

Trunked Radio System	2006	2007	2006	2007	2007
Department	# of Radios	# of Radios	Budget	Budget	\$ Change
Public Works	173	182	\$32,936	\$36,366	\$3,430
Park & Land Use	109	110	\$30,331	\$31,821	\$1,490
Sheriff	235	289	\$88,230	\$99,605	\$11,375
Public Works - Central Fleet	7	7	\$1,415	\$1,474	\$59
Medical Examiner	5	5	\$1,348	\$1,405	\$57
Emerg Prep - Emerg Mgmt/	3	3	\$973	\$1,014	\$41
Emerg Prep - Radio Services	7	4	\$3,248	*\$6,827	\$3,579
Health & Human Services	5	10	\$1,919	\$2,932	\$1,013
Humane Animal	3	3	\$1,373	\$1,431	\$58
Airport	0	1	\$0	\$373	\$373
Total	547	614	\$161,773	\$183,248	\$21,475

*Includes \$3,443 of a cross charge from conventional to trunk radio for control bases.

Conventional Radio Services Operation

County-Wide Key Strategic Outcome: A safe county

Program Description

Provides radio design and engineering consultation, purchasing, installation, operation and servicing of traditional radios and base stations including new Communication Center radio consoles and related equipment (Dispatch Operations). Operations include maintenance and repair services of two-way radio communication (remaining UHF and VHF and microwave systems), user equipment repair and maintenance, dispatch consoles, etc. This program area services continuing transmitters, microwave, public safety mobile data communication systems within the county and municipalities in surrounding counties at reasonable fee charges. In addition, this program area, works with the private sector and Corporation Counsel to negotiate tower site leases with wireless cellular phone service providers.

	2005 Actual	2006 Budget	2006 Estimate	2007 Budget	Budget Change
Staffing (FTE)	3.07	4.91	4.60	4.72	(0.19)
Charges for Services	\$378,176	\$320,619	\$326,361	\$332,775	\$12,156
Interdepartmental	\$132,432	\$251,564	\$261,819	\$267,307	\$15,743
Other Revenue	\$92	\$0	\$20	\$0	\$0
Appr. Fund Balance (a)	\$1,509	\$0	\$119	\$65,000	\$65,000
County Tax Levy	\$0	\$0	\$0	\$0	\$0
Total Revenues	\$512,209	\$572,183	\$588,319	\$665,082	\$92,899
Personnel Costs	\$219,441	\$391,849	\$367,583	\$398,275	\$6,426
Operating Expenses	\$131,133	\$113,813	\$143,948	\$193,962	\$80,149
Interdept. Charges	\$34,269	\$64,321	\$64,321	\$72,845	\$8,524
Fixed Assets (Memo) (b)	\$0	\$13,600	\$13,600	\$0	(\$13,600)
Total Expenditures	\$384,843	\$569,983	\$575,852	\$665,082	\$95,099
Rev. Over (Under) Exp. (b)	\$127,366	\$2,200	\$12,467	-	(\$2,200)

- (a) Radio Services Fund Balance is budgeted to offset depreciation expenses for the capitalized cost of mobile data system, which was funded by Homeland Security grant funds.
- (b) Total expenditures and net operating income exclude fixed assets to conform with financial accounting standards. Fixed asset purchases will be funded by operating revenues and existing fund balance.

Program Highlights

Revenues increase by \$92,899 largely due to the increase in appropriated Fund Balance of \$65,000. Radio Services Fund Balance is allocated to offset depreciation expenses of the mobile data infrastructure upgrade acquired with Homeland Security grant funds in 2005 and 2006.

Personnel cost increases of \$6,426 reflect the cost to continue for existing staff as well as the abolishment of the 0.15 FTE Programs and Projects Analyst for the Emergency Preparedness Department (abolished in June 2006) and the reduction of 0.04 FTE extra help. Increases in operating expenses of \$80,149 include an additional \$65,000 in depreciation costs related to the mobile data infrastructure upgrade costs increased in 2005. Operating expenses also include the addition of a maintenance agreement for a mobile computer module new to the department in 2007 with a cost of \$16,460. These costs are recovered through the mobile data computer charges to the entities that have the module.

