Fund Purpose

An enterprise fund is used to account for operations that are financed and operated similar to private businesses, where the costs of providing services are financed or recovered primarily through user charges to Waukesha County Departments and outside agencies. The Radio Services Fund includes three major program areas: Radio Services which provides conventional radio services (including mobile data systems) and equipment repair and maintenance; Trunked Radio infrastructure operations; and an equipment replacement accumulation fund for County agencies' radio replacement. Program descriptions and activities are outlined on the following program pages.

Financial Summary	2007 Actual (e)	2008 Adopted Budget	2008 Estimate	2009 Budget	Change From 2008 Adopted Budget $	Change From 2008 Adopted Budget %
Revenues						
General Government (f)	$0	$0	$10,285	$0	$0	N/A
Charges for Services	$615,974	$607,739	$547,683	$533,773	($73,966)	-12.2%
Interdepartmental	$457,602	$501,090	$477,554	$561,739	$60,649	12.1%
Other Revenue (g)	$78,615	$0	$305,224	$0	$0	N/A
Appr. Fund Balance (a)(e)	$347,903	$331,256	$331,256	$333,909	$2,653	0.8%
County Tax Levy	**$0**	**$0**	**$0**	**$0**	**$0**	**N/A**
Total Revenue Sources	**$1,500,094**	**$1,440,085**	**$1,672,002**	**$1,429,421**	**($10,664)**	**-0.7%**
Expenditures						
Personnel Costs	$441,385	$535,191	$531,533	$526,617	($8,574)	-1.6%
Operating Expenses	$506,209	$526,095	$529,968	$536,633	$10,538	2.0%
Interdept. Charges	$112,939	$128,737	$127,995	$115,275	($13,462)	-10.5%
Interdept. Charges-Int Exp	$70,903	$54,256	$54,256	$36,909	($17,347)	-32.0%
Debt Gen. Fnd Loan Repay (Memo) (b)	$590,604	$607,251	$607,251	$624,597	$17,346	2.9%
Fixed Assets (Memo)(d)	$0	$40,000	$40,000	$5,000	($35,000)	-87.5%
Total Expenditures (b) (d)	**$1,131,436**	**$1,244,279**	**$1,243,752**	**$1,215,434**	**($28,845)**	**-2.3%**
Operating Income (Loss) (c)(d)(e)	$368,658	$195,806	$428,250	$213,987	$18,181	9.3%

Position Summary (FTE)					
Regular Positions	5.25	5.25	5.25	5.25	0.00
Extra Help	0.00	0.48	0.48	0.00	(0.48)
Overtime	0.03	0.36	0.36	0.22	(0.14)
Total	5.28	6.09	6.09	5.47	(0.62)

(a) Radio Service Fund Balance is appropriated for repayment to the General Fund for loan interest payments received from participating municipalities to acquire Trunk Radio equipment ($70,903 in 2007, $54,256 in 2008 and $36,909 in 2009). Radio Services Fund Balance of $212,000 in 2007, 2008, and 2009 is budgeted to fund the County's portion of Trunk Radio Infrastructure depreciation expense. Radio Services Fund balance of $65,000 is also budgeted for depreciation expense associated with the mobile data computer infrastructure. Radio Services Fund balance of $20,000 to cover the County's use of the trunked radio system.

(b) Debt repayment of General Fund loans for the radio tower, building, Trunked Radio infrastructure, and radio equipment. Repayment is funded with cash balance generated by operating revenues or repayments from municipalities. The repayment amount is excluded from the expenditure total to conform to financial accounting standards.

(c) Operating income is attributable to revenues providing funding for the County replacement program (2007: $183,248, 2008: $195,806 and 2009: $213,987). Also included in operating income is interest income from municipal repayment of loans 2007: $59,799, 2008 $42,174; and 2009: $18,834). These amounts are repaid to the General Fund in the year following receipt.

(d) Total expenditures and net operating income exclude fixed asset purchases to conform to financial accounting standards. Any fixed asset purchases will be made from cash generated by operating revenues and existing Radio Services Fund Balance.

(e) The 2007 actual amount shown above differs from the 2007 Comprehensive Annual Financial Report (CAFR) amount due to the CAFR including depreciation expense related to county assets that were funded from non-County sources and appropriated Radio Services Fund Balance for budget purposes is not reflected as a financial transaction (revenue) by Accounting Services Division.

(f) General Government revenue estimated to be received in 2008 is revenue from Lannon joining the Trunked Radio System.

(g) Other revenue in 2008 is comprised of Nextel rebanding revenue that is not directly budgeted to offset additional Radio Services expenditures associated with this rebanding project (which are budgeted in Charges for Services revenue).

Major Departmental Strategic Outcomes and Objectives for 2009

County-Wide Key Strategic Outcome: A safe county

Objective 1: Maintain uptime, performance, and reliability of the current County-wide trunked radio communications.

Key Outcome Indicator: Uptime percentage as a performance and reliability measurement.

Performance Measure:	2007 Actual	2008 Target	2008 Estimate	2009 Target
Trunked System uptime. Percent of time the system is available overall (reliability).	100.00%	99.995%	99.997%	99.995%
Percent of time the system has unimpaired coverage (performance).	99.7%	99.7%	99.8%	99.7%

Objective 2: Maintain a reliable and scalable County-wide public-safety mobile data service for police departments. (Trunked Radio and Radio Services Operations)

Key Outcome Indicator: The mobile data system has been successfully implemented with approximately 210 units online. Coverage, throughput, and reliability are noticeably improved verses the previous system. Need to maintain speed, reliability and coverage of the system in 2009. (Radio Services Operation)

Performance Measure:	2007 Actual	2008 Target	2008 Estimate	2009 Target
Agencies served	24	26	24	25
Geographic Coverage	98%	>99.5%	>99.5%	>99.5%
Gross Data throughput (all sites)	32 kbps	192 kbps	192 kbps	192 kbps

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

Current and Proposed Capital Projects

Project #	Project Name	Expected Completion Year	Total Budget Project Cost	Estimated % Complete at Year End '08	Estimated Net Oper. Impact	Est. Depreciation Expense
200828	VHF Overlay (a)	2009	$615,000	80%	Minimal	N/A
200617	Radio Services Building Exp/Renovation	2010	$984,000	5%	TBD	$23,700
200815	Trunk Radio Digital Radio System	2015	$9,515,000	0%	TBD	$475,750(b)

(a) The Very High Frequency (VHF) overlay project was approved by ordinance in February 2008. The project is funded with Urban Area Security Initiative 2006 grant dollars. This system will only be used during major emergencies where mutual aid from other entities from outside Waukesha County is utilized so on-going operated costs are anticipated to be minimal. Since this project is funded with grant dollars, it is not going to be depreciated as the system is not planned to be replaced once its functional useful life has ended since technology changes are expected to eliminate the need for a future overlay system.

(b) Amount is based on County/municipal partners 50/50 county share for 10 year useful life.

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

	2007 Actual	2008 Budget	2008 Estimate	2009 Budget	Budget Change
Staffing (FTE)	**0.65**	**1.84**	**1.84**	**1.12**	**(0.72)**
General Government	$0	$0	$10,285	$0	$0
Charges for Services	$184,749	$281,532	$253,146	$207,004	($74,528)
Interdepartmental	$23,656	$25,893	$24,059	$27,571	$1,678
Other Revenue	$59,799	$0	$42,174	$0	$0
Appr. Fund Balance (a)	$70,903	$54,256	$54,256	$56,909	$2,653
County Tax Levy	**$0**	**$0**	**$0**	**$0**	**$0**
Total Revenues (b):	**$339,107**	**$361,681**	**$383,920**	**$291,484**	**($70,197)**
Personnel Costs	$63,281	$155,129	$154,884	$120,345	($34,784)
Operating Expenses	$105,399	$104,710	$110,216	$110,256	$5,546
Interdept. Charges	$41,116	$47,586	$47,321	$43,333	($4,253)
Interdept. Charges - Int Exp	$70,903	$54,256	$54,256	$36,909	($17,347)
Debt-Gen.Fd Loan Repay (Memo)(b)	$590,604	$607,251	$607,251	$624,597	$17,346
Fixed Assets (Memo) (c)	$0	$40,000	$40,000	$0	($40,000)
Total Expenditures: (b) (c)	**$280,699**	**$361,681**	**$366,677**	**$310,843**	**($50,838)**
Rev. Over (Under) Exp. (b)	$58,408	-	$17,243	($19,359)	($19,359)

(a) Radio Service Fund Balance is mainly appropriated to repay the General Fund for the interest on the loan to the municipalities to acquire Trunk Radio equipment. Radio Services received interest revenue of $54,256 in 2007, $36,909 in 2008, and $18,834 in 2009 and repays these amounts to the General Fund in the year after receipt.

(b) 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 liability account titled advances from other funds.

(c) Total expenditures and net operating income exclude Fixed Assets to conform with financial accounting standards. Any Fixed Asset purchases will be made from cash generated by operating revenues and existing Radio Services Fund Balance.

Program Highlights

Charges for Service revenue decreases by $74,528 due to $59,489 decrease in the amount of revenue budgeted for the Nextel rebanding project. Beginning in 2008 and continuing into 2009, Radio Services will be relocating the entire trunked radio system to new frequencies due to Nextel Communications interference with certain radio frequencies. The department is replacing over 1,800 radios and updating the firmware in over 3,200 radios. It is anticipate that the majority of the radio work will be completed in 2008 and infrastructure related work will occur in 2009. The department is still budgeting $22,700 of this revenue in 2009 to fund this on-going project. The remaining $15,039 decrease in the budget is largely attributable to $22,450 decrease in the amount charged to municipalities for radio services operating charges.

Personnel costs decrease by $34,784 due to the removal of $14,533 in temporary extra help and the reduction of $23,505 in overtime related to the phasing down of Nextel rebanding work. The department is still budgeting $12,207 in overtime coverage for 240 overtime hours. Interdepartmental charges are decreasing by $21,600 due to the interest payments to the General Fund are decreasing by $17,346 as the Radio Services loan for the Trunked Radio System continues to be paid off. End User Technology Charges are being reduced $4,652 to $4,920 to be reflective technology cost of ownership for this 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.

	2007 Actual	2008 Budget	2008 Estimate	2009 Budget	Budget Change
Staffing (FTE)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Interdepartmental (b)	$183,248	$195,806	$195,806	$213,987	$18,181
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)	**$395,248**	**$407,806**	**$407,806**	**$425,987**	**$18,181**
Operating Expenses (a)	$210,564	$212,000	$210,564	$212,000	$0
Fixed Assets (Memo)	$0	$0	$0	$0	$0
Total Expenditures: (a)	**$210,564**	**$212,000**	**$210,564**	**$212,000**	**-**
Rev. Over (Under) Exp. (a)	$184,684	$195,806	$197,242	$213,987	$18,181

(a) Expenditures to be incurred result from the depreciation expense of the County's 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 were 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) Appropriated Fund Balance includes Radio Service Fund Balance appropriation of $212,000 for 2007 through 2009. 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 2009 revenue budget continues the accumulation of funds for County departments to be used as a user equipment replacement fund. The 2009 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 2009 by $18,181 is related to an increase in the number of radios that were added to the fund for 2008 and an inflation adjustment for the radios in the plan. The radios that were added have a nine-year replacement life and, since many of the radios were grant funded, the full replacement impacts continue to be phased in.

Activity – Radio Replacement Charges

Trunked Radio System Department	2008 # of Radios	2009 # of Radios	2008 Budget	2009 Budget	2009 $ Change
Public Works	182	182	$38,320	$41,528	$3,208
Parks & Land Use	110	110	$33,158	$34,550	$1,392
Sheriff	293	292	$106,630	$117,866	$11,236
Public Works - Central Fleet	7	7	$1,536	$1,600	$64
Medical Examiner	5	5	$1,464	$1,525	$61
Emerg Prep - Emerg Mgmt	3	3	$1,057	$1,102	$45
Emerg Prep - Radio Services*	4	11	*$7,114	*$7,413	$299
Health & Human Services	16	16	$4,648	$6,445	$1,797
Humane Animal	3	3	$1,491	$1,554	$63
Airport	1	1	$388	$404	$16
Total	**624**	**630**	**$195,806**	**$213,987**	**$18,181**

***Includes $3,739 of a cross charge from conventional to trunk radio for five control bases.

Conventional Radio Services Operation

County-Wide Key Strategic Outcome: A safe county

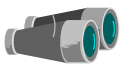
Program Description

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, and dispatch consoles. This program area services transmitters, microwave, and 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.

	2007 Actual	2008 Budget	2008 Estimate	2009 Budget	Budget Change
Staffing (FTE)	**4.63**	**4.25**	**4.25**	**4.35**	**0.10**
Charges for Services	$431,225	$326,207	$294,537	$326,769	$562
Interdepartmental	$250,698	$279,391	$257,689	$320,181	$40,790
Other Revenue	$18,816	$0	$263,050	$0	$0
Appr. Fund Balance (a)	$65,000	$65,000	$65,000	$65,000	$0
County Tax Levy	**$0**	**$0**	**$0**	**$0**	**$0**
Total Revenues	**$765,739**	**$670,598**	**$880,276**	**$711,950**	**$41,352**
Personnel Costs	$378,104	$380,062	$376,649	$406,272	$26,210
Operating Expenses	$190,246	$209,385	$209,188	$214,377	$4,992
Interdept. Charges	$71,823	$81,151	$80,674	$71,942	($9,209)
Fixed Assets (Memo) (b)	$0	$0	$0	$5,000	$5,000
Total Expenditures	**$640,173**	**$670,598**	**$666,511**	**$692,591**	**$21,993**
Rev. Over (Under) Exp. (b)	$125,566	-	$213,765	$19,359	$19,359

(a) Radio Services Fund Balance of $65,000 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 $41,352 to $711,950. Charges for Service revenues for service agreements, mobile data computer charges, installations and programming work in total remain relatively stable. Interdepartmental revenues increase by $40,790 because an equipment maintenance service agreement that was previously budgeted for in the Trunked Radio Program is more appropriately budgeted for in the Conventional Program. Radio Services Fund Balance is appropriated to offset depreciation expenses for the mobile data infrastructure upgrade which was acquired with Homeland Security grant funds in 2005 and 2006.

Personnel costs increase for cost to continue 4.25 FTE staff and due to the addition of 0.10 FTE overtime coverage which provides approximately 210 hours of overtime with a total cost (including employee benefits) of $10,493. Operating costs increase by $4,992 to $214,377 due to $2,000 increase in merchandise for resale based on recent expenditure levels for replacement parts and $1,000 increase in depreciation expense due to the addition of an uninterruptable power supply purchased in 2008. Interdepartmental charges decrease by $9,209 to $71,942 due to $12,499 decrease in End User Technology charges to be reflective of technology resource cost of ownership for this program. Fixed Asset expenditures of $5,000 are budgeted for equipment replacement needs.