



ANNUAL REPORT
OF THE
**TENNESSEE EMERGENCY
COMMUNICATIONS BOARD**

Fiscal Year 2016

Pursuant to Tenn. Code Ann. §§ 7-86-128(b)(3)¹ and 7-86-315,² the Tennessee Emergency Communications Board (“Board” or “TECB”) hereby submits its annual report to the Governor, Speakers of the General Assembly and the Senate and House Finance, Ways and Means Committees. This annual report covers the Board’s activities from July 1, 2015 through June 30, 2016.

¹ Tenn. Code Ann. § 7-86-128(b)(3) states in pertinent part:

The board shall report annually to the finance, ways and means committees of the senate and house of representatives on the financial status and solvency of emergency communications districts, status of the implementation of a uniform statewide 911 system and the status, level and solvency of the 911 Emergency Communications Fund.

² Tenn. Code Ann. § 7-86-315 states:

The board shall report annually to the governor and the speakers of the general assembly on the activities of the board for the preceding year. The board shall receive and consider from any source whatsoever, whether private or governmental, suggestions for amendments to this chapter.

Statement of the Chairman

On behalf of the members of the Tennessee Emergency Communications Board, I am pleased to present you with the Board's annual report for fiscal year 2016.

The Emergency Communications Board began this fiscal year by focusing on 911 telecommunicator training and education. The Board coordinated with the National Emergency Number Association ("NENA"), to provide the Center Manager Certification Program ("CMCP") course and Quality Assurance and Quality Improvement ("QA/QI") Training Program to over 250 of Tennessee's local emergency communications district directors and public safety telecommunicators. The CMCP certification course equips 911 managers and supervisors with the tools needed to effectively manage their agency through a rigorous 40-hour course of lecture and hands-on lab-based education. The QA/QI program utilizes sample recordings and dispatcher logs to examine the quality assurance review process, measurement and evaluation tools, supervisor-to-telecommunicator feedback scenarios, and related legal issues.

The Board made significant progress in its project to modernize the State's aging 911 infrastructure. The project, known as Next Generation 911 ("NG911"), is replacing the State's 911 infrastructure with an internet protocol ("IP") platform that will improve 911 call delivery, enhance interoperability and increase the ease of communication between emergency communications districts, allowing immediate transfer of 911 calls, caller information, photos and other data statewide.

At the end of the fiscal year, 75 of Tennessee's 142 public safety answering points ("PSAPs") were live on the network, as were all wireless carriers operating in Tennessee. In June, 2015 alone, over 285,000 wireless 911 calls were processed over the NG911 network with no misroutes or outages. Work is ongoing to connect landline and voice over IP ("VoIP") carriers to the network.

The financial integrity of the one hundred emergency communications districts across Tennessee continues to be one of the board's highest priorities. The Board and its staff worked diligently throughout the year to guide and assist districts with financial matters, and the Board is very pleased to announce that none of the districts are financially distressed pursuant to Tenn. Code Ann. § 7-86-304(d).

In closing, I wish to acknowledge the continued hard work, dedication and innovation of hundreds of E-911 professionals and telecommunications industry officials. Because of the efforts of so many, Tennessee remains a national leader in 911 and continues to provide its citizens and guests with high-quality 911 service throughout the State.

Respectfully,

Randy Porter
Chairman

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Introduction

The Tennessee Emergency Communications Board (“TECB”), a division of the Department of Commerce and Insurance, was created “for the purpose of assisting emergency communications district boards of directors in the area of management, operations, and accountability, and establishing emergency communications for all citizens of the state.”¹ The Board is funded through a monthly 911 surcharge on communications services capable of connecting to 911.²

The Board exercises financial and operational oversight over the State’s one-hundred emergency communications districts (“ECDs”), which are statutorily created municipalities responsible for administering and facilitating local 911 call taking and dispatching services.³ The Board is also charged with establishing technical, operational, and dispatcher training standards.⁴

The Board works on the local, state and federal levels to facilitate the technical, financial and operational advancement of Tennessee’s 911 system and its ECDs. As part of this advancement, the Board is currently engaged in a revolutionary project to modernize the State’s aging 911 infrastructure, converting it from analog to digital. This Next Generation 911 project involves the construction and management of a statewide internet protocol platform that will vastly improve 911 call delivery, provide additional layers of redundancy, and enhance interoperability between ECDs. The Board’s progress on this project makes Tennessee one of the nation’s leaders in 911.

¹ See Tenn. Code Ann. § 7-86-302(a).

² See Tenn. Code Ann. §§ 7-86-128(a)(2) & 7-86-303(d).

³ See Tenn. Code Ann. §§ 7-86-106, 7-86-302(a), 7-86-306(a)(11).

⁴ See Tenn. Code Ann. §§ 7-86-205, 7-86-306(a)(10)&(11).

TENNESSEE EMERGENCY COMMUNICATIONS BOARD

Members

Hon. Randy Porter
Chairman
Mayor, Putnam Co.
(Former Director, Putnam Co. ECD)

Jimmy Turnbow
Vice Chairman
Director, Wayne Co. ECD

Woody Boyd
Public Citizen

Greg Cothron
Comptroller of the Treasury
Designee

Jennifer Estes
Director, Loudon Co. ECD

Hon. Jill Holland
Mayor, City of McKenzie

Mike Hooks
Director, Roane Co. ECD

Marvin Kelley
Director, McMinn Co. 911

James Sneed
County Commissioner, Tipton Co.

STAFF

Curtis S. Sutton
Executive Director

James Lee Pope
Assistant Director &
General Counsel

James Barnes
Fiscal Director

Eddie Burchell
Chief, E911 Technical Service

Amber McDonald
Director of Gov. & External Affairs

Robert McLeod
Director of Audit

Barbara Shank
Administrative Service Assistant 3

Vanessa Williams
Executive Assistant

TECB Advisory Committees

Operations Advisory Committee

The TECB's Operations Advisory Committee provides technical and operational recommendations to the Board. Its members include:

John Allman, Director, Brentwood ECD
Jeff Carney, Director of Operations, Hamilton County ECD
Roger Hager, Director, Claiborne County ECD
Chuck Haston, Director, Warren County ECD
J.R. Kelley, Director, Wilson County ECD
Carolann Mason, Director, Fayette County ECD
Bob Moore, Director, Gibson County ECD
Susan Mitchell, Assistant Director, Maury County ECD
Jimmy Peoples, Former Director, Hamblen County ECD
Virginia Smelser, Director, Bristol ECD

Policy Advisory Committee

The TECB's Policy Advisory Committee advises the TECB on policy matters, particularly issues impacting both 911 and other governmental agencies, as well as issues arising during legislative sessions. Committee members are selected to reflect a balance of interests, locations and demographics, and include representatives of ECDs of various sizes and locations, county and municipal governments, and representatives from the associations of Police & Fire Chiefs and Sheriffs, as well as EMA. During fiscal year 2016, its members included:

Wayne Anderson, Sheriff, Sullivan County
Mark Blackwood, Director, Maury County EMA
Brian Biggs, Asst. Fire Chief, Ashland City Fire Dept.
Johnny Cheatwood, Director, Lawrence County ECD
Raymond Chiozza, Director, Shelby County ECD
Glenn Chrisman, Chief, Murfreesboro Police Dept.
Jennifer Estes, Director, Loudon County ECD,
Cassie Lowery, Asst. Director, Rutherford County ECD
Chris Masiongale, Director, Overton-Pickett County ECD
Duane Phillips, Director, Nashville Emergency Communications Center
Stacy Rhodes, Director, Tennessee Association of Rescue Squads
Joe Stephens, Commissioner, Haywood County Commission

Technical Advisory Committee

Pursuant to Tenn. Code Ann. § 7-86-308, a Technical Advisory Committee composed of representatives of 911 service suppliers and non-wireline service providers is appointed for the purpose of providing and receiving operational and technical information and advice on all aspects of wireless enhanced 911 service. Members during fiscal year 2016 were:

Angel Arocho, Comcast
Sam Bard, TCS
Don Jones, Frontier
Allan Muse, AT&T
Susan Sherwood, Verizon

Training Advisory Committee

During FY2016, the Board formed a Training Advisory Committee for the purpose of reviewing the state's telecommunicator/dispatcher training requirements promulgated pursuant to Tenn. Code Ann. § 7-86-205 and to make recommendations to ensure these requirements provide Tennesseans with the highest level of 911 service. The committee is comprised of ECD directors, training coordinators and other individuals representing fire, EMS and law enforcement. The members of this newly formed committee are:

Virginia Smelser, Director, Bristol ECD
Tami Chamberlain, Training Coordinator, Hamilton Co. ECD
Sherri Hanna, Director, Obion Co. ECD
Jamison Peevyhouse, Director, Weakley Co. ECD
Lisa Fulton, Training Coordinator, Metro Nashville ECC
Roger Hawks, Director, Fire & Codes Academy
Dennis Rowe, Director, Director, Priority Ambulance Service
Mike Walker, Police Chief, La Vergne
Eddie Farris, Sheriff, Putnam Co.

The 911 Emergency Communications Fund

The 911 Emergency Communications Fund is a separate fund of deposits in the state treasury comprised of 911 surcharges collected by the Board and interest accumulated on those deposits.⁵ The 911 surcharge is the Board's sole recurring revenue source. It is levied on communications services that are capable of contacting a public service answering point (PSAP) by entering or dialing the digits 911.

Disbursements from the fund are limited solely to the operational and administrative expenses of the board. Authorized operational and administrative expenditures include distributing a statutorily-determined amount of base funding to each ECD, implementing and maintaining an IP-based next generation 911 network, and funding the Tennessee Regulatory Authority for the Tennessee relay services/telecommunications devices access program ("TRS/TDAP"), which provides assistance to those Tennesseans whose disabilities interfere with their use of communications services and technologies.

During fiscal year 2016, a total of \$102,699,664 was collected from the 911 surcharge, including \$135,118 in interest. The Board had total expenditures of approximately \$100.1 million for the fiscal year. Payments to ECDs totaled \$85.3 million, constituting 83% of the total revenues collected and 85.2% of the total expenditures made. Payments to ECDs included \$81.8 million for statutory distributions and \$3.5 million for non-recurring support programs. Payments to individual districts are identified in Exhibit E.

The Board paid under \$44,000 in cost recovery to carriers to operate, maintain or enhance the State's 911 network. Approximately \$11.8 million was expended for NG911 with \$1.1 million of this paid to ECDs. Approximately \$2.2 million was expended for administration, including contracts with technical consultants and training. The Funding Modernization Act also requires the Board to reimburse the TRA for the Tennessee Relay Services/Telecommunications Devices Access Program ("TRS/TDAP") and the Board reimbursed the TRA almost \$2.1 million for this program.

The 911 Funding Modernization and IP Transition Act of 2014 requires the Board to annually distribute to each ECD a base amount equal to the average total recurring annual revenue the ECD received for fiscal years 2010 through 2012.⁶ The Act guarantees no ECD will receive less than the total amount it received in fiscal year 2012.

Pursuant to the Act, the Board promulgated a Base Funding Increase Rule during fiscal year 2016 in order to ensure ECDs with a locally established 911 surcharge in effect in 2011, less than the maximum allowable 911 surcharge, can apply for an increase in the base amount to avoid potential inequities in

⁵ See Tenn. Code Ann. § 7-86-303.

⁶ See Tenn. Code Ann. § 7-86-303(e).

ECD funding, as districts with the maximum 911 surcharge in effect during these years would receive a higher base amount. It is anticipated the Board will approve applications for increases in base funding in FY2017. The current base amounts for each ECD are identified in Exhibit G.

During the 2016 fiscal year, the General Assembly passed SB2051/HB2192, shifting the responsibility of ensuring all 911 revenue is collected from telecommunications service providers to the Tennessee Department of Revenue. Specifically, the bill provides that service providers shall remit 911 surcharge revenue to the Tennessee Department of Revenue on a monthly basis in the manner provided by the Retailer's Sales Tax Act and subjects service providers to the audit and appeal procedures set forth in that Act, including applicable penalties and interest on nonpayment. The Department of Revenue will transmit all 911 surcharge revenue collected to the board within thirty (30) days for distribution to the ECDs and for the purposes set forth in the emergency communications laws.

The bill decreases the fee dealers are authorized to retain from 911 surcharges from 3% to 2%, but allows the Department of Revenue to retain a 1.125% administrative fee for collecting the 911 surcharge and performing routine audits of service providers. The bill will take effect July 1, 2017.

Status of Next Generation 911 Modernization Project

Traditional 911 infrastructure does not fully support the next generation of Internet Protocol (IP) devices and advancements in 911 technology currently becoming available. In order to advance 911 congruently as telecommunications technology advances, the Board began a project to replace Tennessee's 911 infrastructure with a platform that will provide 911 with the capabilities our citizens expect from modern telecommunications technology.

The project, referred to as Next Generation 911 ("NG911"), involves utilization of the State's secure, private, outsourced Multiprotocol Label Switching (MPLS) network called "NetTN," as well as additional core infrastructure, managed by the Office of Information Resources ("OIR") in the Tennessee Department of Finance and Administration. The new network improves redundancy, reliability, and 911 call delivery. It enhances interoperability and increases the ease of communication between ECDs, allowing immediate transfer of 911 calls, caller information, and other data on a statewide level. NG911 will also provide alternate paths to process emergency calls in the event of an outage, providing lifesaving capabilities in the event of an emergency that were unachievable on the outdated analog network.

The board retained Telecommunications Systems, Inc. ("TCS"), a national leader in providing enhanced 911 services, to manage the 911-specific aspects of the NG911 project. TCS' work includes running a network

operations center to address various technical problems arising in over 140 PSAPs across the state, as well as creating and managing a statewide ALI database. The Board also contracted with the Geographical Information Systems ("GIS") group in the Office of Information Resources, now called Strategic Technology Solutions ("STS"), to assist the ECDs in developing a uniform statewide GIS mapping system, which will be used to route 911 calls when the project is fully deployed.

As of June 30, 2016, 101 PSAPs have been tested for live traffic and 93 are live on the network. Equipment installation is complete in 138 PSAPs. All wireless carriers are now sending calls over NG911 and all wireline carriers have now been connected to the network and are currently delivering live wireline traffic, or are currently pending carrier traffic migration.

In fiscal year 2016, the Board spent over \$11.8 million implementing the NG911 project:

- \$1.1 million spent to provide NG911 equipment to Tennessee PSAPs;
- \$6.5 million spent to integrate with and adapt the Net TN system for NG911 purposes;
- \$3.7 million spent to maintain the twenty-four hour network operations center to assist PSAPs with technical issues; and
- \$473,934 was spent for the statewide GIS mapping and location system and ESRI licensing.

The Board projects recurring operational costs of approximately \$16.5 million annually to maintain the NG911 program.

Financial Status of Emergency Communications Districts

The Board monitors the financial health of all one-hundred ECDs in Tennessee. Districts that are deemed to meet the statutory definition of "financially distressed" are subject to the Board's supervision and evaluation pursuant to Tenn. Code Ann. § 7-86-304(d). The Board is pleased to report none of Tennessee's one-hundred ECDs were financially distressed during the 2016 fiscal year.

Twenty-one districts had a first year of negative change in net position, based on FY2015 audits. Eight districts with a first year of negative change in net position in FY2014 had a positive change in net position in FY2015 and came off of the one-year list. In FY2015 ten districts had a second consecutive year of negative change in net position and two had positive changes in FY2015 and came off of the two-year list. Districts with negative change in net assets are being assisted and monitored by the Board in accordance with Board policy.

Other Board Activities

During FY2016, the Board moved forward with multiple educational, legislative, operational and technological initiatives to ensure the continued advancement of 911 in Tennessee.

Throughout FY2016, the Board partnered with the National Emergency Number Association (“NENA”) to offer Center Manager Certification (“CMCP”) courses and Quality Assurance and Quality Improvement (“QA/QI”) training programs to ensure the highest quality of 911 operations across the state. During FY2016, the Board offered four sessions of the CMCP course and two sessions of the QA/QI program, with over 250 of Tennessee’s ECD Directors and telecommunicators participating in the programs. The Board also formed a Training Advisory Committee to ensure the Board’s dispatcher training standards remain current with national standards and that telecommunicators are providing Tennesseans with the highest level of 911 service. Board staff also continually offered legal, fiscal and technical training programs throughout FY2016, including presenting at the Tennessee Emergency Number Association (“TENA”) annual conference.

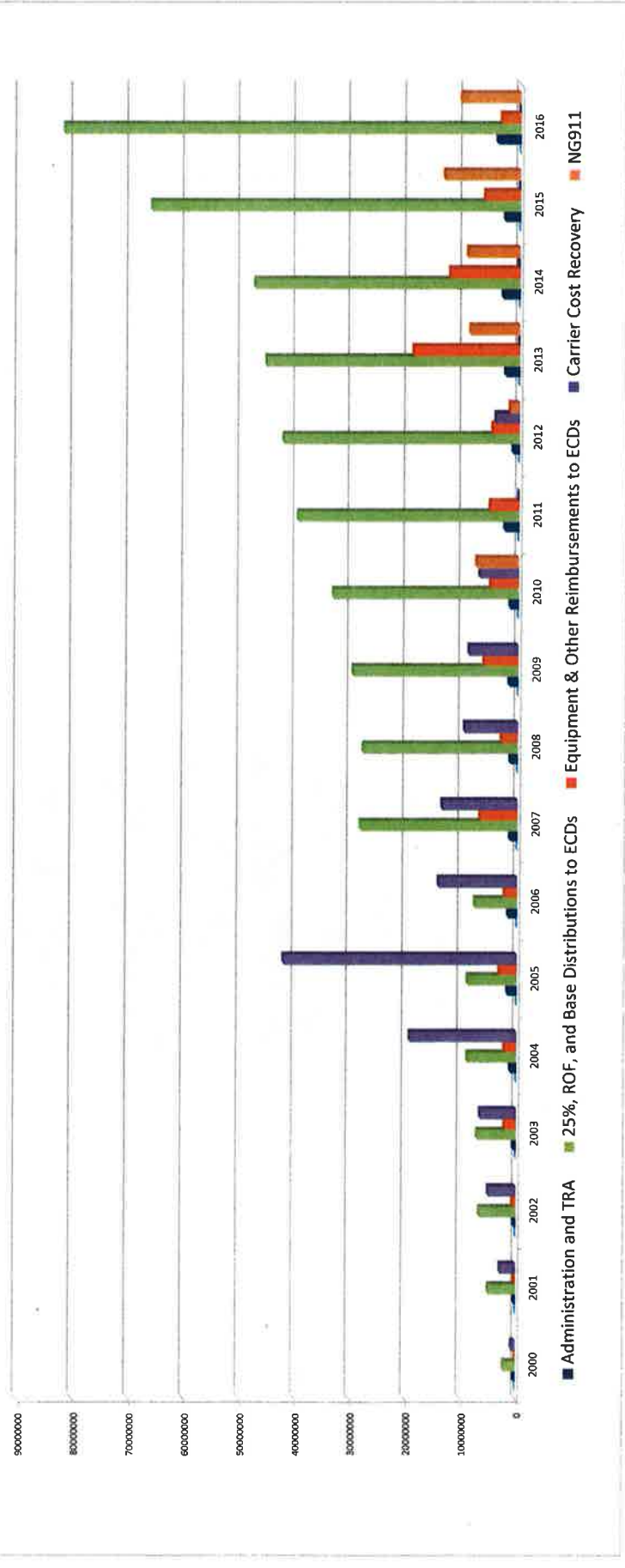
On the technological front, the Board progressed with its NG911 project and is working on deploying text-to-911 across the state. The Board is also looking into adding additional redundancy to the state’s robust 911 IP network by conducting a backup satellite “proof of concept” study that will allow the 911 network to remain operational via satellite in the event of a catastrophic event. The Board also looked into additional disaster recovery options such as mobile public safety answering points (“Mobile PSAPs”) to allow for the receipt and dispatch of 911 calls from a mobile unit in the event a disaster renders a local PSAP inoperable.

During fiscal year 2016, the Board assisted with the passage of an important piece of lifesaving legislation called “Kari’s Law.” This law requires multiline telephone systems to be configured to allow a person calling 911 to have direct access to 911 without having to dial an additional digit, prefix, or other code. This legislation arose out of the tragic loss of Kari Hunt when she was attacked in a hotel room and her daughter was unable to reach 911 because she was unaware she had to dial the number 9 to reach an outside line. Board Executive Director, Curtis Sutton, and Assistant Director, Lee Pope, also met with state congressmen and senators in the District of Columbia during FY2016 to advance the federal counterpart of Kari’s Law and other important NG911 initiatives at the federal level.

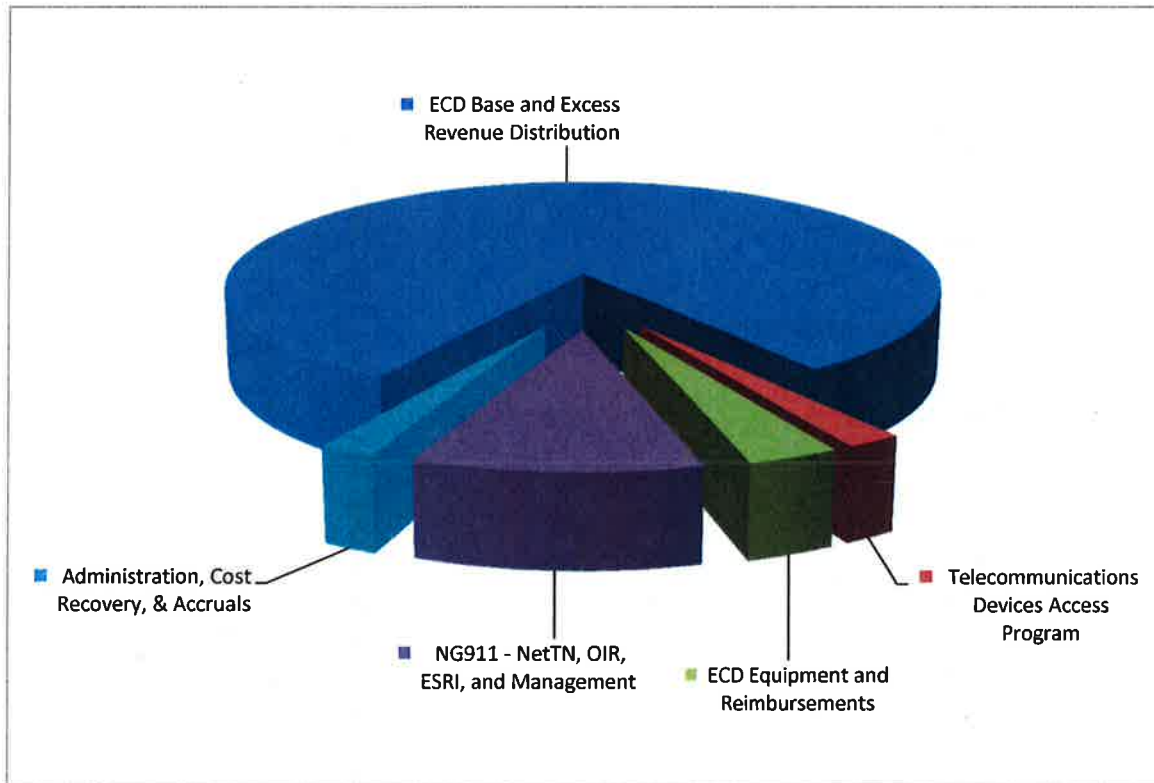
**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
TECB EXPENDITURES FROM 7/1/2000 THROUGH 6/30/2016**

	FY 2000	Year 1 2000	Year 2 2001	Year 3 2002	Year 4 2003	Year 5 2004	Year 6 2005	Year 7 2006	Year 8 2007	Year 9 2008	Year 10 2009	Year 11 2010	Year 12 2011	Year 13 2012	Year 14 2013	Year 15 2014	Year 16 2015	Year 17 2016
Administration and TRA	372,812	300,395	427,268	1,172,783	1,717,185	1,649,936	1,400,090	1,424,447	1,651,951	1,566,232	2,574,293	1,185,869	2,560,277	3,102,333	2,807,073	2,807,073	4,193,591	
25%, ROF, and Base Distributions to ECDs	2,258,345	5,044,632	6,634,293	8,828,899	8,828,899	7,670,805	28,185,013	27,755,744	29,600,211	33,302,610	39,679,156	42,438,987	45,525,992	47,601,821	66,186,044	81,819,277		
Equipment & Other Reimbursements to ECDs	42,631	226,633	602,902	2,298,578	3,228,252	2,337,905	6,827,124	3,013,485	6,259,937	5,209,471	5,319,293	4,915,914	19,056,319	12,620,900	6,424,104	3,464,962		
Carrier Cost Recovery	773,582	2,922,527	5,128,323	19,278,285	42,144,775	14,217,928	13,628,921	9,623,470	8,921,061	7,083,770	86,939	71,302	272,577	75,957	13,629,792	10,628,595		
NG911											7,669,002	1,787,813	8,913,006	9,407,352	73,004,963	89,124,870	100,150,016	
Total Expenditures	3,447,370	6,494,188	12,792,775	16,402,737	31,578,545	55,981,076	25,876,574	41,817,146	54,831,085	47,659,681	54,681,573	76,156,896	73,004,963	89,124,870	100,150,016			

TECB EXPENDITURES OVER THE LAST SEVENTEEN YEARS



**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
FY2016 TECB EXPENDITURES**



Expenditures *

ECD Base and Excess Revenue Distribution	81,819,277	81.7%
Telecommunications Devices Access Program	2,079,402	2.1%
ECD Equipment and ALI trunk lines	2,351,151	2.3%
NG911 ECD Equipment	1,113,831	1.1%
NG911 - NetTN, OIR, ESRI, and Management	10,628,595	10.6%
Administration, Cost Recovery, & Accruals	2,157,760	2.2%

Total Expenditures \$ 100,150,016

* Cash payments and obligations may not agree with accrual basis.

TENNESSEE EMERGENCY COMMUNICATIONS BOARD
FINANCIAL REPORT FROM THE STATE'S ACCOUNTING SYSTEM
For FY2016 as of July 26, 2016

	<u>Adjusted Work Plan</u>	<u>Year-to-Date Total</u>
Regular Salaries and Wages (70100)	644,300.00	560,804.25
Longevity (70102)	12,500.00	10,700.00
Overtime (70104)	0.00	0.00
Employee Benefits (702)	252,100.00	207,596.58
Payroll Expenditures	908,900.00	779,100.83
Travel (703)	44,900.00	30,674.58
Printing, Duplicating & Film Proc. (704)	1,700.00	0.00
Utilities and Fuel (705)	0.00	518.12
Communications & Shipping (706)	1,500.00	756.02
Maint., Repairs and Svcs by Others (707)	2,000.00	1,280.00
Third Party Prof. & Admin. Svcs (708)	4,237,000.00	3,563,508.17
Supplies and Office Furniture (709)	19,300.00	5,100.04
Rentals and Insurance (710)	2,300.00	309.40
Motor Vehicle Operation (711)	3,000.00	0.00
Awards and Indemnities (712)	1,200.00	420.00
Grants and Subsidies (713)	101,373,800.00	86,461,356.89
Unclassified Expenses (714)	1,800.00	800.00
Inventory (715)	0.00	0.00
Equipment (716)	10,000.00	50,830.00
Land (717)	0.00	0.00
Buildings (718)	0.00	0.00
Lost Discounts (719)	0.00	0.00
Highway Construction (720)	0.00	0.00
Training of State Employees (721)	6,000.00	4,824.00
Computer Related Items (722)	9,553,900.00	6,477,439.43
State Prof. Svcs. (725)	1,561,900.00	2,773,099.02
Other Expenditures	116,820,300.00	99,370,915.67
TOTAL EXPENDITURES	117,729,200.00	100,150,016.50
REVENUES	<u>Adjusted Work Plan</u>	<u>Year-to-Date Total</u>
E-911	86,125,600.00	85,991,675.25
Prepaid Wireless Telephone Charge	15,122,200.00	16,572,870.31
Federal Revenue	0.00	0.00
Departmental Interest	35,000.00	135,118.08
TOTAL REVENUES	101,282,800.00	102,699,663.64
Budgeted Reserves Reduction	16,446,400.00	
Balanced Budget	117,729,200.00	
Fund Balance Principal	57,133,525.27	
Fund Balance Interest	3,312,582.88	
Total Fund Balance July 1, 2015	60,446,108.15	
Net Change in Position		2,549,647.14
Estimated Reserves July 1, 2016		62,995,755.29

*Added \$872,321.48 known accrued liabilities to year-to-date expenditure amounts.
Expect about \$6 million more accrued liabilities to be added before closing.
Fund balance should decrease by about \$3.5 million.*

TENNESSEE EMERGENCY COMMUNICATIONS BOARD
AVAILABLE NG911 AND ESSENTIAL AND NECESSARY EQUIPMENT FUNDS FOR ECDS
June 30, 2016

ECD	NG-911	Essential and Necessary	Total	ECD	NG-911	Essential and Necessary	Total
Anderson		-		Knox	984,884	300,000	1,284,884
Bedford		-		Lafollette		191,415	191,415
Benton		-		Lake		123,045	123,045
Bledsoe		68,410	68,410	Lauderdale		191,380	191,380
Blount		11,399	11,399	Lawrence		75,427	75,427
Bradley	29,898	288,605	318,503	Lewis		237,946	237,946
Brentwood		-		Lincoln		-	-
Bristol	235,862	243,989	479,851	Loudon		-	-
Campbell		85,040	85,040	Macon		-	-
Cannon		29,932	29,932	Madison		-	-
Carroll		-		Marion		-	-
Carter	13,181	-	13,181	Marshall		78,807	78,807
Cheatham		158,471	158,471	Maury		9,526	9,526
Chester		89,915	89,915	McMinn		-	-
Claiborne		228,127	228,127	McNairy		-	-
Clay		300,000	300,000	Meigs	12,610	333,848	346,458
Clinton		10,043	10,043	Monroe		-	-
Cocke		137,198	137,198	Montgomery		-	-
Coffee		-		Moore		-	-
Crockett		94,894	94,894	Morgan		71,391	71,391
Cumberland		-		Oak Ridge		6,248	6,248
Davidson		-		Obion	62,436	-	62,436
Decatur		190,671	190,671	Overton-Pickett		11,035	11,035
Dekalb		-	-	Perry		225,493	225,493
Dickson		-	-	Polk		171,321	171,321
Dyer		-	-	Putnam		-	-
Fayette		123,184	123,184	Rhea		-	-
Fentress		-	-	Roane	22,644	72,821	95,465
Franklin		-	-	Robertson		-	-
Gibson		-	-	Rutherford		-	-
Giles	226,665	247,561	474,226	Scott		309,719	309,719
Grainger		-	-	Sequatchie		35,325	35,325
Greene	262,420	300,000	562,420	Sevier		-	-
Grundy	79,515	246,052	325,567	Shelby		-	-
Hamblen	59,675	760	60,435	Smith	3,409	-	3,409
Hamilton	557,048	300,000	857,048	Stewart		92,386	92,386
Hancock		182,817	182,817	Sullivan		65,141	65,141
Hardeman		300,000	300,000	Sumner		218,400	218,400
Hardin		55,145	55,145	Tipton		-	-
Hawkins	52,414	103,707	156,121	Trousdale		89,220	89,220
Haywood		300,000	300,000	Unicoi		79,851	79,851
Henderson		27,486	27,486	Union	160,916	300,000	460,916
Henry		-	-	Van Buren		-	-
Hickman		217,895	217,895	Warren	8,017	173,037	181,054
Houston		69,784	69,784	Washington		65,817	65,817
Humphreys		-	-	Wayne	33,285	66,998	100,283
Jackson	29,741	300,000	329,741	Weakley	9,578	18,302	27,880
Jefferson		-	-	White	45,998	11,555	57,553
Johnson		12,837	12,837	Williamson	393,619	300,594	694,213
Kingsport		11,727	11,727	Wilson		60,000	60,000
Grand Total					3,283,815	8,721,695	12,005,510

EXHIBIT D

**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
TOTAL FUNDS PAID TO ECDS IN FY2016**

Emergency Communications District	Base Amount	Excess Funding	Non-recurring Payments	Total	Emergency Communications District	Base Funding	Excess Funding	Non-recurring Payments	Total
Anderson	390,210	7,518	0	397,728	Knox	5,938,206	114,409	0	6,052,615
Bedford	611,706	11,786	0	623,492	Lafollette	249,936	4,815	0	254,751
Benton	281,904	5,431	0	287,335	Lake	198,678	3,828	0	202,506
Bledsoe	292,854	5,642	7,959	306,455	Lauderdale	389,958	7,513	0	397,471
Blount	1,395,630	26,889	525,913	1,948,432	Lawrence	601,494	11,589	5,280	618,363
Bradley	1,292,694	24,906	0	1,317,600	Lewis	252,372	4,862	62,054	319,288
Brentwood	864,126	16,649	0	880,775	Lincoln	424,242	8,174	17,137	449,553
Bristol	473,664	9,126	0	482,790	Loudon	572,430	11,029	0	583,459
Campbell	479,820	9,245	48,026	537,091	Macon	422,376	8,138	0	430,514
Cannon	291,630	5,619	118,337	415,586	Madison	1,115,310	21,488	0	1,136,798
Carroll	396,564	7,640	5,160	409,364	Marion	352,290	6,787	0	359,077
Carter	775,092	14,933	0	790,025	Marshall	528,432	10,181	138,946	677,559
Cheatham	484,602	9,337	0	493,939	Maury	1,141,992	22,002	31,461	1,195,455
Chester	291,342	5,613	81,532	378,488	McMinn	582,480	11,222	262,216	855,918
Claiborne	534,510	10,298	0	544,808	McNairy	402,204	7,749	37,863	447,817
Clay	254,928	4,912	0	259,840	Meigs	248,472	4,787	0	253,259
Clinton	223,554	4,307	340,241	568,102	Monroe	481,482	9,277	10,453	501,212
Cocke	529,164	10,195	0	539,359	Montgomery	1,971,228	37,979	0	2,009,207
Coffee	600,504	11,570	63,063	675,136	Moore	194,004	3,738	0	197,742
Crockett	246,954	4,758	63,063	314,775	Morgan	362,988	6,994	0	369,982
Cumberland	871,794	16,797	0	888,591	Oak Ridge	525,054	10,116	9,097	544,267
Davidson	6,352,152	122,385	0	6,474,537	Obion	536,064	10,328	184,060	730,452
Decatur	249,090	4,799	26,933	280,822	Overton-Pickett	644,520	12,418	0	656,938
DeKalb	412,098	7,940	143,535	563,573	Perry	263,562	5,078	5,753	274,393
Dickson	487,764	9,398	0	497,162	Polk	270,738	5,216	0	275,954
Dyer	595,050	11,465	0	606,515	Putnam	756,126	14,568	0	770,694
Fayette	537,174	10,350	0	547,524	Rhea	496,824	9,572	0	506,396
Fentress	320,898	6,183	5,432	332,513	Roane	664,518	12,803	92,713	770,034
Franklin	473,622	9,125	66,323	549,070	Robertson	808,842	15,584	0	824,426
Gibson	763,350	14,707	0	778,057	Rutherford	1,627,038	31,348	2,168	1,660,554
Giles	543,360	10,469	52,439	606,268	Scott	322,044	6,205	31,502	359,751
Grainger	388,560	7,486	11,136	407,182	Sequatchie	311,052	5,993	0	317,045
Greene	713,502	13,747	0	727,249	Sevier	1,019,718	19,647	0	1,039,365
Grundy	315,168	6,072	164,167	485,407	Shelby	8,837,052	170,260	0	9,007,312
Hamblen	894,924	17,242	0	912,166	Smith	302,676	5,832	0	308,508
Hamilton	5,095,614	98,175	137,500	5,331,289	Stewart	267,810	5,160	313,835	586,805
Hancock	225,900	4,352	33,965	264,217	Sullivan	1,019,424	19,641	0	1,039,065
Hardeman	368,166	7,093	0	375,259	Sumner	1,360,488	26,212	0	1,386,700
Hardin	416,328	8,021	0	424,349	Tipton	729,642	14,058	0	743,700
Hawkins	713,610	13,749	29,341	756,699	Trousdale	208,506	4,017	9,612	222,135
Haywood	311,136	5,995	0	317,131	Unicoi	364,716	7,027	19,800	391,543
Henderson	389,808	7,510	0	397,318	Union	311,250	5,997	0	317,247
Henry	446,592	8,604	0	455,196	Van Buren	231,672	4,464	0	236,136
Hickman	323,916	6,241	0	330,157	Warren	673,152	12,969	27,876	713,998
Houston	264,744	5,101	257,423	527,268	Washington	1,839,444	35,440	62,013	1,936,897
Humphreys	378,654	7,295	0	385,949	Wayne	310,374	5,980	26,804	343,158
Jackson	282,414	5,441	0	287,855	Weakley	436,416	8,408	2,790	447,614
Jefferson	692,004	13,333	0	705,337	White	479,496	9,238	0	488,734
Johnson	373,758	7,201	0	380,959	Williamson	1,507,320	29,041	0	1,536,361
Kingsport	712,182	13,721	0	725,903	Wilson	1,091,796	21,035	63,671	1,176,502
Total						80,272,692	1,546,585	3,598,591	85,417,868

**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
FUNDS PAID TO ECDS BY TECB FROM 7/1/1999 THROUGH 6/30/2016**

Emergency Communications District	Prior to 1/1/15 25% and ROF* Combined	Base & Excess Funding Since 1/1/15	Non-Recurring and Equipment Total Payments	Total	Emergency Communications District	Prior to 1/1/15 25% and ROF* Combined	Base & Excess Funding Since 1/1/15	Non-Recurring and Equipment Total Payments	Total
Anderson	2,585,198	592,833	743,182	3,921,213	Knox	23,352,617	9,021,718	500,976	32,875,311
Bedford	2,771,725	929,345	799,598	4,500,667	Lafollette	1,434,179	379,719	491,528	2,305,427
Benton	1,759,169	428,287	704,338	2,891,794	Lake	1,450,228	301,845	635,558	2,387,631
Bledsoe	1,579,816	444,923	764,021	2,788,760	Lauderdale	2,147,448	592,450	426,279	3,166,177
Blount	6,396,609	2,120,334	1,215,874	9,732,817	Lawrence	2,793,951	913,830	800,923	4,508,704
Bradley	5,185,054	1,963,947	868,060	8,017,061	Lewis	1,537,764	383,420	452,742	2,373,926
Brentwood	2,363,232	1,312,838	718,780	4,394,849	Lincoln	2,547,302	644,537	746,643	3,938,481
Bristol	2,062,694	719,622	374,302	3,156,617	Loudon	2,848,718	869,674	942,134	4,660,526
Campbell	2,502,872	728,975	706,660	3,938,506	Macon	2,109,734	641,702	774,094	3,525,529
Cannon	1,619,148	443,064	698,738	2,760,951	Madison	5,256,685	1,694,453	942,682	7,893,821
Carroll	2,342,084	602,486	801,296	3,745,866	Marion	2,189,200	535,222	759,832	3,484,255
Carter	3,408,962	1,177,571	912,193	5,498,727	Marshall	2,233,121	802,829	730,137	3,766,087
Cheatham	2,662,339	736,240	644,000	4,042,579	Maury	4,568,945	1,625,274	1,035,500	7,229,719
Chester	1,830,387	442,626	622,273	2,895,287	McMinn	3,280,509	884,942	787,452	4,952,904
Claiborne	2,563,588	812,063	516,389	3,892,040	McNairy	2,188,577	611,055	755,456	3,555,089
Clay	1,462,833	387,304	533,555	2,383,692	Meigs	1,504,503	377,495	455,505	2,337,503
Clinton	1,382,443	339,638	683,571	2,405,652	Monroe	2,822,993	731,500	792,314	4,346,807
Cocke	2,528,825	803,941	637,605	3,970,372	Montgomery	7,547,834	2,994,821	1,390,564	11,933,219
Coffee	3,249,786	912,326	838,544	5,000,656	Moore	1,386,321	294,744	677,995	2,359,060
Crockett	1,605,322	375,189	606,978	2,587,489	Morgan	1,966,755	551,476	638,337	3,156,567
Cumberland	3,310,847	1,324,488	811,755	5,447,090	Oak Ridge	2,078,648	797,697	720,753	3,597,098
Davidson	29,306,750	9,650,613	2,393,499	41,350,861	Obion	2,536,656	814,424	755,502	4,106,583
Decatur	1,606,419	378,434	602,778	2,587,632	Overton-Pickett	3,367,188	979,198	1,399,810	5,746,196
DeKalb	1,952,013	626,087	734,787	3,312,887	Perry	1,484,824	400,421	613,022	2,498,268
Dickson	2,955,647	741,044	789,019	4,485,710	Polk	1,754,846	411,323	705,905	2,872,075
Dyer	2,836,033	904,040	756,481	4,496,554	Putnam	3,734,783	1,148,757	893,179	5,776,718
Fayette	2,559,195	816,111	627,169	4,002,475	Rhea	2,387,802	754,808	788,315	3,930,925
Fentress	1,940,116	487,530	744,596	3,172,242	Roane	3,297,766	1,009,580	711,661	5,019,007
Franklin	2,678,281	719,558	769,824	4,167,664	Robertson	3,456,883	1,228,847	803,035	5,488,765
Gibson	3,037,793	1,159,732	812,299	5,009,824	Rutherford	9,542,899	2,471,905	1,121,447	13,136,250
Giles	2,296,848	825,509	275,619	3,397,976	Scott	2,030,954	489,271	457,961	2,978,186
Grainger	2,060,049	590,326	994,616	3,644,991	Sequatchie	1,561,025	472,571	809,290	2,842,886
Greene	3,596,042	1,084,000	250,527	4,930,568	Sevier	4,779,201	1,549,224	975,813	7,304,237
Grundy	1,632,295	478,824	474,383	2,585,502	Shelby	39,392,065	13,425,838	2,704,552	55,522,455
Hamblen	3,541,249	1,359,628	853,856	5,754,733	Smith	1,898,073	459,846	703,516	3,061,435
Hamilton	21,167,831	7,741,596	983,840	29,893,267	Stewart	1,590,858	406,875	600,618	2,598,351
Hancock	1,426,271	343,202	497,546	2,267,019	Sullivan	4,939,158	1,548,777	911,240	7,399,174
Hardeman	2,248,055	559,342	428,627	3,236,024	Sumner	7,469,597	2,066,944	746,123	10,282,664
Hardin	2,132,166	632,513	707,551	3,472,230	Tipton	3,348,428	1,108,521	805,947	5,262,896
Hawkins	3,322,899	1,084,164	826,428	5,233,491	Trousdale	1,320,481	316,776	592,214	2,229,471
Haywood	1,976,466	472,699	409,819	2,858,983	Unicoi	1,921,112	554,101	636,150	3,111,362
Henderson	2,150,413	592,222	734,586	3,477,221	Union	1,904,654	472,872	265,706	2,643,232
Henry	2,541,484	678,492	779,499	3,999,475	Van Buren	1,384,225	351,972	780,760	2,516,957
Hickman	2,081,704	492,115	497,576	3,071,396	Warren	2,800,903	1,022,697	532,978	4,356,578
Houston	1,470,589	402,217	629,395	2,502,180	Washington	6,541,003	2,794,606	1,078,955	10,414,564
Humphreys	1,978,044	575,276	705,590	3,258,910	Wayne	1,772,973	471,541	629,955	2,874,469
Jackson	1,553,122	429,062	531,494	2,513,678	Weakley	2,713,507	663,032	842,990	4,219,529
Jefferson	3,019,859	1,051,339	867,059	4,938,256	White	2,121,316	728,482	828,976	3,678,774
Johnson	1,920,866	567,838	709,160	3,197,864	Williamson	6,718,592	2,290,021	253,748	9,262,361
Kingsport	2,982,399	1,081,994	940,210	5,004,603	Wilson	5,891,088	1,658,729	881,299	8,431,116
Grand Total	380,052,705	121,845,907	75,817,614	577,716,227					

Note: Cash basis shown here may differ from accrual basis.

TENNESSEE EMERGENCY COMMUNICATIONS BOARD
Base Level Funding Effective January 1, 2015
Calculation rounded to next higher number evenly divisible by six

ECD	Base Funding Annual Payment	ECD	Base Funding Annual Payment
Anderson	390,210	Knox	5,938,206
Bedford	611,706	Lafollette	249,936
Benton	281,904	Lake	198,678
Bledsoe	292,854	Lauderdale	389,958
Blount	1,395,630	Lawrence	601,494
Bradley	1,292,694	Lewis	252,372
Brentwood	864,126	Lincoln	424,242
Bristol	473,664	Loudon	572,430
Campbell	479,820	Macon	422,376
Cannon	291,630	Madison	1,115,310
Carroll	396,564	Marion	352,290
Carter	775,092	Marshall	528,432
Cheatham	484,602	Maury	1,141,992
Chester	291,342	McMinn	582,480
Claiborne	534,510	McNairy	402,204
Clay	254,928	Meigs	248,472
Clinton	223,554	Monroe	481,482
Cocke	529,164	Montgomery	1,971,228
Coffee	600,504	Moore	194,004
Crockett	246,954	Morgan	362,988
Cumberland	871,794	Oak Ridge	525,054
Davidson	6,352,152	Obion	536,064
Decatur	249,090	Overton Pickett	644,520
DeKalb	412,098	Perry	263,562
Dickson	487,764	Polk	270,738
Dyer	595,050	Putnam	756,126
Fayette	537,174	Rhea	496,824
Fentress	320,898	Roane	664,518
Franklin	473,622	Robertson	808,842
Gibson	763,350	Rutherford	1,627,038
Giles	543,360	Scott	322,044
Grainger	388,560	Sequatchie	311,052
Greene	713,502	Sevier	1,019,718
Grundy	315,168	Shelby	8,837,052
Hamblen	894,924	Smith	302,676
Hamilton	5,095,614	Stewart	267,810
Hancock	225,900	Sullivan	1,019,424
Hardeman	368,166	Sumner	1,360,488
Hardin	416,328	Tipton	729,642
Hawkins	713,610	Trousdale	208,506
Haywood	311,136	Unicoi	364,716
Henderson	389,808	Union	311,250
Henry	446,592	Van Buren	231,672
Hickman	323,916	Warren	673,152
Houston	264,744	Washington	1,839,444
Humphreys	378,654	Wayne	310,374
Jackson	282,414	Weakley	436,416
Jefferson	692,004	White	479,496
Johnson	373,758	Williamson	1,507,320
Kingsport	712,182	Wilson	1,091,796
			80,272,692
Revised November 4, 2015			

**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
FISCAL YEAR 2015 AUDIT FINDINGS BY DESCRIPTION**

ECD	Total Findings	Inappropriate use of funds										
		Reconcile to General Ledger	Expenses exceed Budget	Segregation of Duties	Double Entry Bookkeeping	Collateralization	3-day Deposit	Surety Bond Coverage	Signature on the checks	Policy & Procedures	Adopt Uniform Chart of Accounts	Deficiencies not established and maintained
		Inadequate Recording Transactions	Inadequate Supporting Documentation	Street Signs								
Anderson	0											
Bedford	0											
Benton	2		1	1								
Bledsoe	1		1									
Blount	0											
Bradley	1		1									
Brentwood	0											
Bristol	0											
Campbell	0											
Cannon	1			1								
Carroll	0											
Carter	1	1										
Cheatham	0											
Chester	0											
Claiborne	0											
Clay	3		1	1					1			
Clinton	0											
Cocke	0											
Coffee	0											
Crockett	1		1									
Cumberland	1		1									
Davidson	1								1			
Decatur	0											
DeKalb	0											
Dickson	2		1	1								
Dyer	3		1	1					1			
Fayette	0									1		
Fentress	0											
Franklin	1		1									
Gibson	0											
Giles	2	1		1								
Grainger	0											
Greene	0											

**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
FISCAL YEAR 2015 AUDIT FINDINGS BY DESCRIPTION**

ECD	Total Findings	Findings Description												
		Inappropriate use of funds	Reconcile to General Ledger	Expenses exceed Budget	Segregation of Duties	Double Entry Bookkeeping	Collateralization	3-day Deposit	Surety Bond Coverage	Signature on the checks	Adopt Uniform Chart of Accounts	Deficiencies Recording Transactions	Inadequate Supporting Documentation	Street Signs
Grundy	4		1	1									1	1
Hamblen	0													
Hamilton	0													
Hancock	0													
Hardeman	0													
Hardin	0													
Hawkins	3	1		1					1					
Haywood	#													
Henderson	1		1											
Henry	0													
Hickman	1				1									
Houston	2			1					1					
Humphreys	0													
Jackson	3	1		1				1						
Jefferson	0													
Johnson	0													
Kingsport	0													
Knox	0													
LaFollette	0													
Lake	0													
Lauderdale	1			1										
Lawrence	1				1									
Lewis	1				1									
Lincoln	0													
Loudon	0													
Macon	0													
Madison	0													
Marion	0													
Marshall	2				1				1					
Maury	0													
McMinn	0													
McNairy	4			1	1		1		1					
Meigs	2			1	1									
Monroe	0													
Montgomery	2			1									1	

Haywood County ECD FY2015 audit not available for review.

**TENNESSEE EMERGENCY COMMUNICATIONS BOARD
FISCAL YEAR 2015 AUDIT FINDINGS BY DESCRIPTION**

ECD	Total Findings	<div style="display: flex; justify-content: space-between;"> Inappropriate use of funds Reconcile to General Ledger Expenses exceed Budget Segregation of Duties Double Entry Bookkeeping Collateralization 3-day Deposit Surety Bond Coverage Signature on the checks Policy & Procedures not established and maintained Adopt Uniform Chart of Accounts Deficiencies Recording Transactions Inadequate Supporting Documentation Street Signs </div>													
Moore	2			1	1										
Morgan	0														
Oak Ridge	0														
Obion	1				1										
Overton-Pickett	3		1	1	1										
Perry	1				1										
Polk	3		1	1	1										
Putnam	0														
Rhea	1			1											
Roane	0														
Robertson	0														
Rutherford	0														
Scott	0														
Sequatchie	2			1									1		
Sevier	0														
Shelby	1												1		
Smith	1			1											
Stewart	1			1											
Sullivan	1			1											
Sumner	0														
Tipton	3		1	1											
Trousdale	1			1											
Unicoi	0														
Union	0														
Van Buren	1			1											
Warren	1									1					
Washington	0														
Wayne	1				1										
Weakley	0														
White	1			1											
Williamson	0														
Wilson	3		1							1		1			
Grand Total	75	2	8	29	18	0	1	1	2	0	4	0	8	2	0



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