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## **TRWC Board of Directors Meeting**

February 25, 2015 at 10:30AM  
Conference Bridge: 480-644-6120 Pin: 560285  
Town of Gilbert – Room 233  
50 E. Civic Center Drive  
Gilbert, AZ 85296

Members of the public may address the Board on any item. Please complete a "Request to Speak Card", located at the entry of the room and promptly turn it in to the Executive Director (or designee). There is a time limit of three minutes for comments.

### **Agenda**

1) Call to Order & Opening Comments - Chairman Kross

- a. Materials, Roll Call, and Sign-in Sheet
- b. Speaker Cards & Requests
- c. Audio Recording

2) Public Comment - Chairman Kross

Members of the public may address the Board on items not on the printed agenda. Please complete a "Request to Speak Card", located at the entry of the room and turn it in to the Executive Director (or designee) prior to the beginning of the meeting. There is a time limit of three minutes for comments.

3) Discussion and Action on Board Meeting Minutes - Chairman Kross

September 25th 2014 TRWC Board Meeting Minutes

4) Discussion and Possible Action on Committee & Working Group Updates

- a. User Group Update - Rob Duggan (Chairman)
  - Hazard Zone Communications Consulting Status - Rajit Jhaver (Federal Engineering)
- b. Governance Working Group - Gary Bradbury & Dale Shaw
- c. Executive Committee Update - Wes Kemp and David Hagar (Co-chairs)

5) Discussion and Possible Action on TRWC 2015/2016 Fiscal Year Budget - Dale Shaw

TRWC 2015-2016 Budget - Sherry McGlade & Randy Thompson

6) Discussion and Possible Action on Network Administrator Updates:

- a. Budget & Finance Overview - Sherry McGlade
- b. Network Performance Overview - Randy Thompson

7) Next Meeting(s):

TRWC Board Meeting - March 30, 2015 1PM to 3PM

8) Adjournment - Chairman Kross



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## **TRWC Board of Directors Meeting Minutes**

September 25, 2014 - To follow the 9AM RWC/TRWC Joint Board Meeting  
Maricopa Association of Governments  
302 North 1st Avenue  
2nd Floor  
Phoenix, AZ 85003

Members of the public may address the Board on any item. Please complete a "Request to Speak Card", located at the entry of the room and promptly turn it in to the Executive Director (or designee). There is a time limit of three minutes for comments.

### **Directors & Staff Attendees**

John Kross, Gary Bradbury, Dave Montgomery, Jerry Ward (by teleconference), John Pombier, Marc Skocypec, Dale Shaw, Bill Anger, Randy Thompson, Sherry McGlade

### **Minutes**

#### 1) Call to Order & Opening Comments - Chairman Kross

- a. Materials, Roll Call, and Sign-in Sheet
- b. Speaker Cards & Requests
- c. Audio Recording

Chairman Kross called the meeting to order and welcomed the attendees, provided instruction on the process for public comment, and reminded participants that the meeting audio was recorded. A roll call was conducted and a quorum was confirmed.

#### 2) Public Comment - Chairman Kross

Members of the public may address the Board on items not on the printed agenda. Please complete a "Request to Speak Card", located at the entry of the room and turn it in to the Executive Director prior to the beginning of the meeting. There is a time limit of three minutes for comments.

No Public Comment requests were received.

#### 3) Discussion and Action on Board Meeting Minutes - Chairman Kross

June 11th TRWC Board Meeting Minutes

John Pombier motioned to approve the 06/11/14 TRWC Board Meeting Minutes and Marc Skocypec seconded. All were in favor; the motion passed.

#### 4) Discussion and Possible Action on Committee & Working Group Updates

- a. Executive Committee Update - Wes Kemp and David Hagar (Co-chairs)
- b. User Group Update - Rob Duggan (Chairman)

Wes Kemp provided a brief overview of the recent work of the Executive Committee and the User Group. He shared that the Executive Committee's efforts have been focused on the upgrade covered in item 5 and the review of the recent Governance Working Group (GWG) materials. He discussed that the GWG

pace has been adequate and that the Executive Committee Chairs will stay engaged and provide the feedback of the TRWC partners.

Regarding the VHF [Hazard Zone Communications] project Mr. Kemp shared that great progress has been made using the Board authorized consulting contract. He said that modeling of in-building coverage has occurred and it is expected that regional operation consistency issues will be eventually addressed through the effort. He went on to share that interested groups, including the User Group and Executive Committee, will be involved through the budget preparation process.

5) Discussion and Action on \$7,696,564.97 Contract for TRWC Network Upgrade - Dave Hagar & Cori Hayes

Consider Approval of \$7,696,564.97 Contract with Motorola Solutions, and authorize the execution of related agreements, to facilitate the TRWC Network Upgrade.

Dave Hagar provided an overview of the recent work on the TRWC Network Upgrade and recommended action as outlined in the report. He shared that the recommendation is to accelerate the original plan to take advantage of the noted opportunities to yield saving to the members.

Marc Skocypec asked if given the multi-year nature of the commitment that it will be subject to customary fiscal funding provisions. Executive Director Shaw responded that Mesa, as the Administrative Manager, will utilize fiscal funding language as usual included in their contracts. Randy Thompson confirmed that there is "non-appropriation" language in the contract. Mr. Shaw went on to clarify that each fiscal year budget will include any remaining commitment as part of the TRWC budget adoption process.

Mr. Thompson shared that there had been some changes, through very recent negotiations, to the reported contract totals that are favorable to the members but not reflected in the published report.

Gary Bradbury motioned to approve at a revised project total of \$7,169,138.13 and authorize execution of related agreements as recommended in the report. Jerry Ward seconded. All were in favor; the motion passed.

6) Discussion and Possible Action on Network Administrator Updates:

a. Budget & Finance Overview - Sherry McGlade

Sherry McGlade provided a verbal summary of the Year To Date Actuals Report and Budget Fiscal Year ended June 30, 2104

b. Network Performance Overview - Randy Thompson

Randy Thompson provided a verbal summary of the Administrator Update. In addition, he also updated the Board on the status of the project to improve connectivity to TRWC sites through fiber optic cabling. He said that the project is with Mesa Engineering and there has not been any expenditures to date due to a slower than anticipated start.

7) Next Meeting(s):

Joint TRWC/RWC Board Meeting - Nov 20, 2014 9AM to 12PM

Chairman Kross shared the upcoming meeting schedule.

8) Adjournment - Chairman Kross

John Pombier motioned to adjourn the meeting and Gary Bradbury seconded. All were in favor; the motion passed. Chairman Kross thanked everyone and adjourned the meeting.



**PROPOSED FISCAL YEAR 2015 / 2016 BUDGET  
DETAIL OF OPERATIONS, MAINTENANCE AND CAPITAL**

**BOARD PRESENTATION FEBRUARY 25, 2015**

**TRWC Operating & Maintenance Budget And Capital Improvement Costs  
RECONCILIATION BETWEEN FY 14/15 PROJECTED AND 15/16 BUDGET**

	<b>FY 14/15 BUDGET</b>	<b>FY 14/15 PROJECTED</b>	<b>FY 15/16 BUDGET</b>	<b>Change</b>
<b>1. LABOR</b>				
Cost	\$ 467,115	\$ 446,845	\$ 476,955	\$ 30,110
<b>2. NON LABOR</b>	<u>\$ 942,700</u>	<u>\$ 1,059,977 *</u>	<u>\$ 1,094,900</u>	<u>\$ 34,923</u>
<b>3. TOTAL OPERATING &amp; MAINTENANCE BUDGET</b>	<u>\$1,409,815</u>	<u>\$1,506,822</u>	<u>\$1,571,855</u>	<u>\$65,033</u>
<b>4. MONTHLY AIRTIME HOURS</b>	992	992	995	
<b>5. RECONCILIATION OF BUDGET INCREASE:</b>				
a. Labor 5.5% increase- additional hours; step; Mesa internal Legal hours (1 hour per week)				\$30,110
b. Reduce consulting for VHF				(\$60,000)
c. Reduce legal for ARCRA				(\$15,000)
d. Grant Writing				\$10,000
e. Motorola Contract increase				\$98,011
f. Other increases				\$1,912
<b>TOTAL VARIANCE</b>				<u>\$65,033</u>
<b>6. Cost Per Airtime Hour</b>	<b>\$ 118</b>	<b>\$ 127</b>	<b>\$ 132</b>	
<b>7. Capital Network Reliability Improvements</b>	<u>\$574,750</u>	<u>\$287,375</u>	<u>\$5,407,050</u>	<u>\$5,119,675</u>
<b>Cost Per Airtime Hour</b>	<u><b>\$48</b></u>	<u><b>\$24</b></u>	<u><b>\$453</b></u>	<u><b>\$429</b></u>

\*Note - includes carryforward from prior year of \$250K for VHF consulting

**TRWC VOICE SUMMARY  
FISCAL YEAR 2015 / 2016**

	FY15/16 Proposed Budget	TRWC FY 16/17	TRWC FY 17/18	TRWC FY 18/19	TRWC FY 19/20	TRWC FY 20/21	TRWC FY 21/22	TRWC FY 22/23
ROLLING 6 MONTH AVG AS OF 12/31/14	995	995	995	995	995	995	995	995
<b>AIRTIME PERCENTAGE</b>								
MESA	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%
GILBERT	17.48%	17.48%	17.48%	17.48%	17.48%	17.48%	17.48%	17.48%
SUPERSTITION SPRINGS FIRE & MEDICAL	0.48%	0.48%	0.48%	0.48%	0.48%	0.48%	0.48%	0.48%
APACHE JUNCTION	7.32%	7.32%	7.32%	7.32%	7.32%	7.32%	7.32%	7.32%
QUEEN CREEK	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
SOUTHWEST AMBULANCE	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
RIO VERDE	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
<b>TOTAL</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>
Labor	\$ 476,955	\$ 486,494	\$ 496,224	\$ 506,148	\$ 516,271	\$ 526,597	\$ 537,129	\$ 547,871
Non Labor								
TOTAL OTHER SERVICES	376,300	292,885	299,621	279,747	286,182	292,764	299,497	306,386
TOTAL COMMODITIES	718,600	727,661	744,397	761,518	779,033	796,951	815,281	834,032
<b>Total Operating &amp; Maintenance</b>	<b>\$ 1,571,855</b>	<b>\$ 1,507,040</b>	<b>\$ 1,540,242</b>	<b>\$ 1,547,414</b>	<b>\$ 1,581,486</b>	<b>\$ 1,616,311</b>	<b>\$ 1,651,907</b>	<b>\$ 1,688,289</b>
ANNUAL ESTIMATED REVENUE: OPERATING & MAINTENANCE								
MESA	\$ 1,155,313	\$ 1,107,674	\$ 1,132,078	\$ 1,137,349	\$ 1,162,392	\$ 1,187,989	\$ 1,214,151	\$ 1,240,893
GILBERT	274,760	263,431	269,234	270,488	276,444	282,631	288,753	295,113
SUPERSTITION SPRINGS FIRE & MEDICAL	7,545	7,234	7,393	7,428	7,591	7,758	7,929	8,104
APACHE JUNCTION	115,060	110,315	112,746	113,271	115,765	118,314	120,920	123,583
QUEEN CREEK	4,401	4,220	4,313	4,333	4,428	4,526	4,625	4,727
SOUTHWEST AMBULANCE	14,304	13,714	14,016	14,081	14,392	14,708	15,032	15,363
RIO VERDE	472	452	462	464	474	485	496	506
<b>TOTAL</b>	<b>\$ 1,571,855</b>	<b>\$ 1,507,040</b>	<b>\$ 1,540,242</b>	<b>\$ 1,547,414</b>	<b>\$ 1,581,486</b>	<b>\$ 1,616,311</b>	<b>\$ 1,651,907</b>	<b>\$ 1,688,289</b>
MONTHLY FEE PER AIRTIME UNIT: OPERATING & MAINTENANCE								
	\$ 132	\$ 126	\$ 129	\$ 130	\$ 132	\$ 135	\$ 138	\$ 141
CAPITAL IMPROVEMENT COSTS (See page 5)								
NETWORK RELIABILITY IMPROVEMENTS:	\$ 5,407,050	\$ 2,771,370	\$ 2,371,370	\$ 2,393,626	\$ 2,610,075	\$ 2,248,778	\$ 872,658	\$ 931,325
ANNUAL ESTIMATED REVENUE: CAPITAL								
MESA	\$ 4,063,928	\$ 2,108,912	\$ 1,788,546	\$ 1,775,472	\$ 1,936,023	\$ 1,668,031	\$ 647,294	\$ 690,810
GILBERT	966,496	501,548	425,358	422,248	460,431	396,696	153,941	164,291
SUPERSTITION SPRINGS FIRE & MEDICAL	26,540	13,772	11,680	11,595	12,643	10,893	4,227	4,511
APACHE JUNCTION	332,946	138,242	138,242	176,823	192,812	166,122	64,465	68,799
QUEEN CREEK	15,482	8,034	6,814	6,764	7,375	6,354	2,466	2,632
RIO VERDE	1,659	861	730	725	790	681	264	282
<b>TOTAL</b>	<b>\$ 5,407,050</b>	<b>\$ 2,771,370</b>	<b>\$ 2,371,370</b>	<b>\$ 2,393,626</b>	<b>\$ 2,610,075</b>	<b>\$ 2,248,778</b>	<b>\$ 872,658</b>	<b>\$ 931,325</b>
MONTHLY FEE PER AIRTIME UNIT: CAPITAL								
	\$ 453	\$ 232	\$ 199	\$ 200	\$ 219	\$ 188	\$ 73	\$ 78

**CASH FLOW FOR FISCAL YEAR 2015 / 2016**

MONTH	OPERATING AND MAINTENANCE EXPENSES							CAPITAL EXPENSES					
	MESA	GILBERT	SFM	CAJ	QUEEN CREEK	SWA	RIO VERDE	MESA	GILBERT	SFM	CAJ	QUEEN CREEK	RIO VERDE
January	\$ 96,276	\$ 22,897	\$ 629	\$ 9,588	\$ 367	\$ 1,192	\$ 39	\$ 338,661	\$ 80,541	\$ 2,212	\$ 27,745	\$ 1,290	\$ 138
February	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
March	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
April	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
May	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
June	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
July	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
August	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
September	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
October	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
November	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
December	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
<b>Total</b>	<b>\$ 1,155,313</b>	<b>\$ 274,760</b>	<b>\$ 7,545</b>	<b>\$ 115,060</b>	<b>\$ 4,401</b>	<b>\$ 14,304</b>	<b>\$ 472</b>	<b>\$ 4,063,928</b>	<b>\$ 966,496</b>	<b>\$ 26,540</b>	<b>\$ 332,946</b>	<b>\$ 15,482</b>	<b>\$ 1,659</b>

TRWC Operating & Maintenance Budget  
Summary of Labor and Non-labor

Object Code	Description	FY2014-15		FY2015-16	TRWC FY 16/17	TRWC FY 17/18	TRWC FY 18/19	TRWC FY 19/20	TRWC FY 20/21	TRWC FY 21/22	TRWC FY 22/23
		Budget	Projected Actuals	Proposed Budget	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<b>ESCALATION FACTOR Labor</b>											
1101	Salaries and Wages	\$ 467,115	\$ 446,845	\$ 476,955	\$ 486,494	\$ 496,224	\$ 506,148	\$ 516,271	\$ 526,597	\$ 537,129	\$ 547,871
<b>Total Labor</b>		<b>\$ 467,115</b>	<b>\$ 446,845</b>	<b>\$ 476,955</b>	<b>\$ 486,494</b>	<b>\$ 496,224</b>	<b>\$ 506,148</b>	<b>\$ 516,271</b>	<b>\$ 526,597</b>	<b>\$ 537,129</b>	<b>\$ 547,871</b>
<b>ESCALATION FACTOR Non Labor</b>											
<b>GENERAL &amp; ADMINISTRATIVE - OTHER SERVICES</b>											
2106	Prof Services - Consulting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2106	Carryforward from PY - consulting	250,000	150,000	90,000							
2115	Temp Services	75,000	92,903	90,000	92,070	94,188	96,354	98,570	100,837	103,156	105,529
2201	Utilities-Communications Bldg	33,000	35,000	31,500	32,225	32,966	33,724	34,500	35,293	36,105	36,935
2201	Utilities-Sites[50%TOPAZ,25%MW]	41,000	38,845	41,000	41,943	42,908	43,895	44,904	45,937	46,993	48,074
2224	Repairs & Maint Outside	10,400	10,400	10,400	10,639	10,884	11,134	11,390	11,652	11,920	12,194
2225	Equipment Usage (Vehicles)	20,000	16,791	20,000	20,460	20,931	21,412	21,904	22,408	22,924	23,451
2903	Training (Education)	-	-	-	-	-	-	-	-	-	-
2180	Prof Services - Other	3,100	13,100	13,100	13,401	13,710	14,025	14,347	14,677	15,015	15,360
2181	Contract - Preventative Generators	10,000	-	-	-	-	-	-	-	-	-
2111	Prof Services - Legal	52,000	52,000	37,000	37,851	38,722	12,847	13,142	13,445	13,754	14,070
2180	Prof Services - Grant Writing	-	-	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725
2210	Telephone - Local	5,000	5,430	5,700	5,831	5,965	6,102	6,243	6,386	6,533	6,684
2109	Ins. Premiums - Agencies	10,600	10,600	10,600	10,844	11,093	11,348	11,609	11,876	12,150	12,429
2801	Association Dues	-	-	-	-	-	-	-	-	-	-
2802, 2809	Shaw Butte Land Rental	15,000	14,734	15,000	15,345	15,698	16,059	16,428	16,806	17,193	17,588
	All Other Services	2,000	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345
<b>TOTAL OTHER SERVICES</b>		<b>\$ 527,100</b>	<b>\$ 441,803</b>	<b>\$ 376,300</b>	<b>\$ 292,885</b>	<b>\$ 299,621</b>	<b>\$ 279,747</b>	<b>\$ 286,182</b>	<b>\$ 292,764</b>	<b>\$ 299,497</b>	<b>\$ 306,386</b>
<b>GENERAL &amp; ADMINISTRATIVE - COMMODITIES</b>											
3116	Non Cap Assets	\$ 50,000	\$ 50,086	\$ 50,000	\$ 51,150	\$ 52,326	\$ 53,530	\$ 54,761	\$ 56,021	\$ 57,309	\$ 58,627
3118	Contract - Preventative Motorola	577,000	530,989	629,000	636,000	650,628	665,592	680,901	696,562	712,583	728,972
3118	Software Maint-Mainsaver,Juniper	20,000	20,326	21,000	21,483	21,977	22,483	23,000	23,529	24,070	24,623
3131	Materials & Repair Parts - Outside	17,600	16,772	17,600	18,005	18,419	18,843	19,276	19,719	20,173	20,637
3000	All Other Commodities	1,000	-	1,000	1,023	1,047	1,071	1,095	1,120	1,146	1,173
<b>TOTAL COMMODITIES</b>		<b>\$ 665,600</b>	<b>\$ 618,174</b>	<b>\$ 718,600</b>	<b>\$ 727,661</b>	<b>\$ 744,397</b>	<b>\$ 761,518</b>	<b>\$ 779,033</b>	<b>\$ 796,951</b>	<b>\$ 815,281</b>	<b>\$ 834,032</b>
<b>Total Operating &amp; Maintenance</b>		<b>\$ 1,506,822</b>		<b>\$ 1,571,855</b>	<b>\$ 1,507,040</b>	<b>\$ 1,540,242</b>	<b>\$ 1,547,414</b>	<b>\$ 1,581,486</b>	<b>\$ 1,616,311</b>	<b>\$ 1,651,907</b>	<b>\$ 1,688,289</b>
<b>ROLLING 6 MONTH AVG AS OF 12/31/14</b>											
		959	995	995	995	995	995	995	995	995	995
<b>AIRTIME PERCENTAGE</b>											
MESA				73.50%	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%	73.50%
GILBERT				17.48%	17.48%	17.48%	17.48%	17.48%	17.48%	17.48%	17.48%
SUPERSTITION SPRINGS FIRE & MEDICAL				0.48%	0.48%	0.48%	0.48%	0.48%	0.48%	0.48%	0.48%
APACHE JUNCTION				7.32%	7.32%	7.32%	7.32%	7.32%	7.32%	7.32%	7.32%
QUEEN CREEK				0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
SOUTHWEST AMBULANCE				0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%	0.91%
RIO VERDE				0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
<b>TOTAL</b>				<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>
<b>ANNUAL ESTIMATED REVENUE: OPERATING &amp; MAINTENANCE</b>											
MESA				\$ 1,155,313	\$ 1,107,674	\$ 1,132,078	\$ 1,137,349	\$ 1,162,392	\$ 1,187,989	\$ 1,214,151	\$ 1,240,893
GILBERT				274,760	263,431	269,234	270,488	276,444	282,531	288,753	295,113
SUPERSTITION SPRINGS FIRE & MEDICAL				7,545	7,234	7,393	7,428	7,591	7,758	7,929	8,104
APACHE JUNCTION				115,060	110,315	112,746	113,271	115,765	118,314	120,920	123,583
QUEEN CREEK				4,401	4,220	4,313	4,333	4,428	4,526	4,625	4,727
SOUTHWEST AMBULANCE				14,304	13,714	14,016	14,081	14,392	14,708	15,032	15,363
RIO VERDE				472	452	462	464	474	485	496	506
<b>TOTAL</b>				<b>\$ 1,571,855</b>	<b>\$ 1,507,040</b>	<b>\$ 1,540,242</b>	<b>\$ 1,547,414</b>	<b>\$ 1,581,486</b>	<b>\$ 1,616,311</b>	<b>\$ 1,651,907</b>	<b>\$ 1,688,289</b>
<b>MONTHLY FEE PER AIRTIME UNIT: OPERATING &amp; MAINTENANCE</b>											
				\$ 132	\$ 126	\$ 129	\$ 130	\$ 132	\$ 135	\$ 138	\$ 141



**TRWC Operating & Maintenance Budget  
Summary of Labor and Non-labor**

Object Code	Description	FY2014-15		FY2015-16	TRWC FY 16/17	TRWC FY 17/18	TRWC FY 18/19	TRWC FY 19/20	TRWC FY 20/21	TRWC FY 21/22	TRWC FY 22/23
		Budget	Projected Actuals	Proposed Budget							
<b>CAPITAL IMPROVEMENT COSTS (See page 5)</b>											
<b>NETWORK RELIABILITY IMPROVEMENTS:</b>											
A. Fiber Optic Cable to Radio Network Backbone Sites (reliab)	\$	574,750	\$ 287,375	\$ 1,437,542	\$ 1,437,542	\$ 1,437,542					
B. Fire VHF (budgetary rough order of magnitude estimate)	-	-	-	900,000	\$ 900,000	\$ 500,000					
C. TOPAZ Voice Radio Network Upgrade (CP0090)	-	-	1,800,000	3,633,828	\$ 433,828	\$ 433,828	\$ 433,828	\$ 433,828			
			(1,800,000)	(564,320)							
D. Radio Sites Emergency Power Upgrade (CP0094)	-	-	-	-			\$ -	\$ 198,298	\$ 198,298	\$ 198,298	
E. Regional Communications Authority (CP0438)	-	-	-	-		\$ -	\$ 750,000				
F. Wireless Backhaul (Microwave) Network Upgrade (CP009)	-	-	-	-			\$ 1,209,798	\$ 1,253,003	\$ 1,299,793		
G. TOPAZ Voice Radio Network Coverage Improvements (C)	-	-	-	-			\$ -	\$ 724,946	\$ 750,687	\$ 674,360	\$ 931,325
<b>TOTAL</b>	<b>\$</b>	<b>574,750</b>	<b>\$ 287,375</b>	<b>\$ 5,407,050</b>	<b>\$ 2,771,370</b>	<b>\$ 2,371,370</b>	<b>\$ 2,393,626</b>	<b>\$ 2,610,075</b>	<b>\$ 2,248,778</b>	<b>\$ 872,658</b>	<b>\$ 931,325</b>
<b>ANNUAL ESTIMATED REVENUE: CAPTIAL</b>											
MESA	\$	430,028	\$ 213,160	\$ 4,063,928	\$ 2,108,912	\$ 1,788,546	\$ 1,775,472	\$ 1,936,023	\$ 1,668,031	\$ 647,294	\$ 690,810
GILBERT		105,524	50,694	966,496	501,548	425,358	422,248	460,431	396,696	153,941	164,291
SUPERSTITION SPRINGS FIRE & MEDICAL		2,644	1,392	26,540	13,772	11,680	11,595	12,643	10,893	4,227	4,511
APACHE JUNCTION		33,910	21,229	332,946	138,242	138,242	176,823	192,812	166,122	64,465	68,799
QUEEN CREEK		1,322	812	15,482	8,034	6,814	6,764	7,375	6,354	2,466	2,632
RIO VERDE		1,322	87	1,659	861	730	725	790	681	264	282
<b>TOTAL</b>	<b>\$</b>	<b>574,750</b>	<b>\$ 287,375</b>	<b>\$ 5,407,050</b>	<b>\$ 2,771,370</b>	<b>\$ 2,371,370</b>	<b>\$ 2,393,626</b>	<b>\$ 2,610,075</b>	<b>\$ 2,248,778</b>	<b>\$ 872,658</b>	<b>\$ 931,325</b>
<b>MONTHLY FEE PER AIRTIME UNIT: CAPITAL</b>	<b>\$</b>	<b>50</b>	<b>\$ 24</b>	<b>\$ 453</b>	<b>\$ 232</b>	<b>\$ 199</b>	<b>\$ 200</b>	<b>\$ 219</b>	<b>\$ 188</b>	<b>\$ 73</b>	<b>\$ 78</b>

**CASH FLOW FOR FISCAL YEAR 2015 / 2016**

MONTH	OPERATING AND MAINTENANCE EXPENSES							CAPITAL EXPENSES					
	MESA	GILBERT	SFM	CAJ	QUEEN CREEK	SWA	RIO VERDE	MESA	GILBERT	SFM	CAJ	QUEEN CREEK	RIO VERDE
January	\$ 96,276	\$ 22,897	\$ 629	\$ 9,588	\$ 367	\$ 1,192	\$ 39	\$ 338,661	\$ 80,541	\$ 2,212	\$ 27,745	\$ 1,290	\$ 138
February	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
March	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
April	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
May	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
June	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
July	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
August	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
September	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
October	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
November	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
December	96,276	22,897	629	9,588	367	1,192	39	338,661	80,541	2,212	27,745	1,290	138
<b>Total</b>	<b>\$ 1,155,313</b>	<b>\$ 274,760</b>	<b>\$ 7,545</b>	<b>\$ 115,060</b>	<b>\$ 4,401</b>	<b>\$ 14,304</b>	<b>\$ 472</b>	<b>\$ 4,063,928</b>	<b>\$ 966,496</b>	<b>\$ 26,540</b>	<b>\$ 332,946</b>	<b>\$ 15,482</b>	<b>\$ 1,659</b>
													<b>\$ 5,407,050</b>

**TRWC Operating & Maintenance Budget  
Summary of Labor and Non-labor**

		FY2014-15 Budget	FY2014-15 Projected Actuals	FY2015-16 Proposed Budget	TRWC FY 16/17	TRWC FY 17/18	TRWC FY 18/19	TRWC FY 19/20	TRWC FY 20/21	TRWC FY 21/22	TRWC FY 22/23	TOTAL 9 YEARS
<b>CAPITAL IMPROVEMENT COSTS</b>												
<b>NETWORK RELIABILITY IMPROVEMENTS:</b>												
A. Fiber Optic Cable to Radio Network Backbone Sites (reliability improvement) (CP0092)	\$	574,750	\$ 287,375	\$ 1,437,542	\$ 1,437,542	\$ 1,437,542						\$ 4,600,001
B. Fire VHF (budgetary rough order of magnitude estimate)		-	-	900,000	900,000	500,000						2,300,000
C. TOPAZ Voice Radio Network Upgrade (CP0090)		-	1,800,000	3,633,828	433,828	433,828	433,828	433,828				7,169,140
			(1,800,000)	(564,320)								(2,364,320)
D. Radio Sites Emergency Power Upgrade (CP0094)		-	-	-	-	-	-	198,298	198,298	198,298		594,894
E. Regional Communications Authority (CP0438)		-	-	-	-	-	750,000	-	-	-		750,000
F. Wireless Backhaul (Microwave) Network Upgrade (CP0093)		-	-	-	-	-	1,209,798	1,253,003	1,299,793			3,762,594
G. TOPAZ Voice Radio Network Coverage Improvements (CP0091)		-	-	-	-	-	724,946	750,687		674,360	931,325	3,081,318
<b>TOTAL</b>		<b>\$ 574,750</b>	<b>\$ 287,375</b>	<b>\$ 5,407,050</b>	<b>\$ 2,771,370</b>	<b>\$ 2,371,370</b>	<b>\$ 2,393,626</b>	<b>\$ 2,610,075</b>	<b>\$ 2,248,778</b>	<b>\$ 872,658</b>	<b>\$ 931,325</b>	<b>\$ 19,893,627</b>
<b>NORMAL ALLOCATION TO PARTNERS</b>												
MESA	74.17%	\$ 430,028	\$ 213,160	\$ 3,343,104	\$ 1,388,089	\$ 1,388,089	\$ 1,775,472	\$ 1,936,023	\$ 1,668,031	\$ 647,294	\$ 690,810	\$ 13,050,071
GILBERT	17.64%	105,524	50,694	795,067	330,120	330,120	422,248	460,431	396,696	153,941	164,291	3,103,609
SUPERSTITION SPRINGS FIRE & MEDICAL	0.48%	2,644	1,392	21,833	9,065	9,065	11,595	12,643	10,893	4,227	4,511	85,225
APACHE JUNCTION	7.39%	33,910	21,229	332,946	138,242	138,242	176,823	192,812	166,122	64,465	68,799	1,299,681
QUEEN CREEK	0.28%	1,322	812	12,736	5,288	5,288	6,764	7,375	6,354	2,466	2,632	49,715
RIO VERDE	0.03%	1,322	87	1,365	567	567	725	790	681	264	282	5,327
<b>TOTAL</b>	<b>100.00%</b>	<b>\$ 574,750</b>	<b>\$ 287,375</b>	<b>\$ 4,507,050</b>	<b>\$ 1,871,370</b>	<b>\$ 1,871,370</b>	<b>\$ 2,393,626</b>	<b>\$ 2,610,075</b>	<b>\$ 2,248,778</b>	<b>\$ 872,658</b>	<b>\$ 931,325</b>	<b>\$ 17,593,627</b>
<b>SPECIAL ALLOCATION TO PARTNERS (VHF)</b>												
MESA	80.09%	\$ -	\$ -	\$ 720,824	\$ 720,824	\$ 400,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,842,105
GILBERT	19.05%	-	-	171,429	171,429	95,238	-	-	-	-	-	438,095
SUPERSTITION SPRINGS FIRE & MEDICAL	0.52%	-	-	4,707	4,707	2,615	-	-	-	-	-	12,030
APACHE JUNCTION	0.00%	-	-	-	-	-	-	-	-	-	-	-
QUEEN CREEK	0.31%	-	-	2,746	2,746	1,526	-	-	-	-	-	7,018
RIO VERDE	0.03%	-	-	294	294	163	-	-	-	-	-	752
<b>TOTAL</b>	<b>100.00%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,300,000</b>
<b>TOTAL 8 YEAR ALLOCATION TO PARTNERS</b>												
MESA	74.86%	\$ 430,028	\$ 213,160	\$ 4,063,928	\$ 2,108,912	\$ 1,788,546	\$ 1,775,472	\$ 1,936,023	\$ 1,668,031	\$ 647,294	\$ 690,810	\$ 14,892,177
GILBERT	17.80%	105,524	50,694	966,496	501,548	425,358	422,248	460,431	396,696	153,941	164,291	3,541,704
SUPERSTITION SPRINGS FIRE & MEDICAL	0.49%	2,644	1,392	26,540	13,772	11,680	11,595	12,643	10,893	4,227	4,511	97,255
APACHE JUNCTION	6.53%	33,910	21,229	332,946	138,242	138,242	176,823	192,812	166,122	64,465	68,799	1,299,681
QUEEN CREEK	0.29%	1,322	812	15,482	8,034	6,814	6,764	7,375	6,354	2,466	2,632	56,732
RIO VERDE	0.03%	1,322	87	1,659	861	730	725	790	681	264	282	6,078
<b>TOTAL</b>	<b>100.00%</b>	<b>\$ 574,750</b>	<b>\$ 287,375</b>	<b>\$ 5,407,050</b>	<b>\$ 2,771,370</b>	<b>\$ 2,371,370</b>	<b>\$ 2,393,626</b>	<b>\$ 2,610,075</b>	<b>\$ 2,248,778</b>	<b>\$ 872,658</b>	<b>\$ 931,325</b>	<b>\$ 19,893,627</b>

\* Distribution is subject to change subject to rolling 6 month avg airtime percentages and executive committee review.

**Date:** February 25, 2014  
**To:** TOPAZ Regional Wireless Cooperative (TRWC) Board of Directors  
**Through:** Dale Shaw, TRWC Executive Director  
**From:** Randy Thompson  
**Subject:** Administrator Update

### **Capital Projects**

- 1) Lifecycle upgrade to the TOPAZ radio network. The contract with Motorola Solutions has been executed and the initial payment of \$1.8M has been made and the reimbursement from Sprint has been received. The following are some of the completed and upcoming milestones:
  - a. Complete
    - i. Factory Acceptance Test
    - ii. Equipment Delivery
    - iii. Equipment Installation
  - b. Upcoming
    - i. Equipment power up and stand-alone testing and tuning, February – April
    - ii. Transport network testing, May – June
    - iii. Next contract payment to Motorola Solutions due July 1, 2015, \$3.6M, \$564K of which is reimbursed by the re-banding settlement with Sprint.
    - iv. Network integration & testing, July – August, 2015.
    - v. Cutover, August 25, 2015. The new equipment will be operational on the “re-banded” 800 MHz frequencies.
- 2) Fiber optic cable connectivity to radio network backbone sites. This project will enhance the reliability and capacity of the network that connects the TOPAZ radio sites to the core network equipment. This project is still under design in the City of Mesa Engineering Department.

### **Operations Summary**

**System Availability** – Please see the system availability chart on page 3. Since the last Administrator update on September 25, 2014, there were three impairments to the network, as follows:

- 1) During the September 8<sup>th</sup> rain event, the radio site at Mesa Fire Station 205 was disconnected from the system for 192 seconds due to the heavy rain causing an outage of both point-to-point microwave radio connections to the site. A solution is being implemented to provide connection to the site over the City of Mesa fiber optic cable network in addition to the microwave connections.
- 2) On November 5<sup>th</sup> and 28<sup>th</sup>, the radio site at Mesa Fire Station 205 was disconnected from the system for a total of 12 seconds due to an equipment failure. The equipment causing this problem will be replaced as part of the Lifecycle Upgrade project reported above.

## TRWC Administrator Update, February 25, 2014

For calendar year 2014, the average system availability was 99.999%, and for fiscal year 2015, the average system availability has been 99.999% through January, 2015.

**Airtime and Radio Counts** – the following charts are included:

- 1) Average airtime usage by member for fiscal year 2015 through January, 2015
- 2) Average number of radios enabled by member for fiscal year 2015 through January, 2015
- 3) Average airtime usage by service type for fiscal year 2015 through January, 2015
- 4) Average number of radios enabled by service type for fiscal year 2015 through January, 2015

**Peak Channel Usage** – the following charts are included:

- 1) Peak channel usage for each site for August, 2014
- 2) Peak channel usage for each site for September, 2014
  - During the heavy rain event of September 8<sup>th</sup>, radio system usage was no heavier than most weekdays. The peak usage for September actually occurred on the 24<sup>th</sup>.
- 3) Peak channel usage for each site for October, 2014
  - You will note on the Thompson Peak chart for October, it appears to show no data after October 7<sup>th</sup> (the date the site was upgraded and switched to the re-banded frequencies). This is because the method of measuring peak channel usage for Thompson Peak was found to be incorrect, and was over-stating the peak number of channels in use. Thompson Peak continues to be our most lightly-loaded site.
- 4) Peak channel usage for each site for November, 2014
- 5) Peak channel usage for each site for December, 2014
- 6) Peak channel usage for each site for January, 2015

### Upcoming Events:

- 1) TOPAZ Radio Network A7.14 Upgrade. In preparation for the TOPAZ Lifecycle Upgrade project, the software and core network servers for the TOPAZ radio network will be upgraded to release A7.14 between February 23 and March 5, 2015. This is scheduled to cause two brief periods of “site trunking” on February 25<sup>th</sup>, at 3:15 AM and 5:35 AM.
- 2) The batteries that back up the TOPAZ voice radio network and other equipment at the remote radio sites are 12 years old. These batteries have reached the end of their service life. Normally, these batteries only power the equipment at a radio site for less than a minute while the emergency generator starts and comes up to speed to power the site. However, we size these batteries to power the site for a minimum of 4 hours in the event the emergency generator does not start, so we have time to take the portable generator to the site to provide power. The batteries at 2 of the sites, Twin Knolls North and TRW, will be replaced by Maricopa County when they install the radio equipment for their new radio system at those sites in 2015. The batteries at the Apache Junction Fire Station 262 radio site were replaced on October 9<sup>th</sup>. The batteries at Apache Junction Fire Station 264 were replaced December 16, 2014. The batteries at the Twin Knolls South site are scheduled to be replaced February 24, 2015.
- 3) There are three City of Mesa Capital Improvement Projects underway on the City of Mesa Communications Building, as follows:
  - a. Upgrade of the building cooling system with two new air cooled chiller units to replace the existing cooling equipment. This project began in February, 2015, and is scheduled for completion by the end of May, 2015.
  - b. Upgrade of the emergency generators to move them out of the basement of the Communications Building into the parking lot east of the mobile radio shop. Work for

## TRWC Administrator Update, February 25, 2014

this project started in February, 2015, and is scheduled for completion by the end of May, 2015.

- c. Lifecycle upgrade of the Uninterruptible Power Supply (UPS) and move it to the 2<sup>nd</sup> floor the Communications Building so it would not be subject to flooding. Preliminary work for this project began in February, 2015, and is scheduled for completion by the end of May, 2015.
- 4) The TOPAZ equipment on Thompson Peak was replaced on October 7<sup>th</sup> with new equipment. This upgrade was made possible at no charge to the TRWC members by negotiating with the Salt River Pima-Maricopa Indian Community for their use of space reserved for the TRWC in the Thompson Peak radio site developed jointly with the Arizona Department of Public Safety in exchange for the equipment upgrade. This site was also converted to all 800 MHz frequencies (the old equipment was 5 channels of 800 MHz and 5 channels of 700 MHz), and the 800 MHz frequencies are the "re-banded" frequencies.

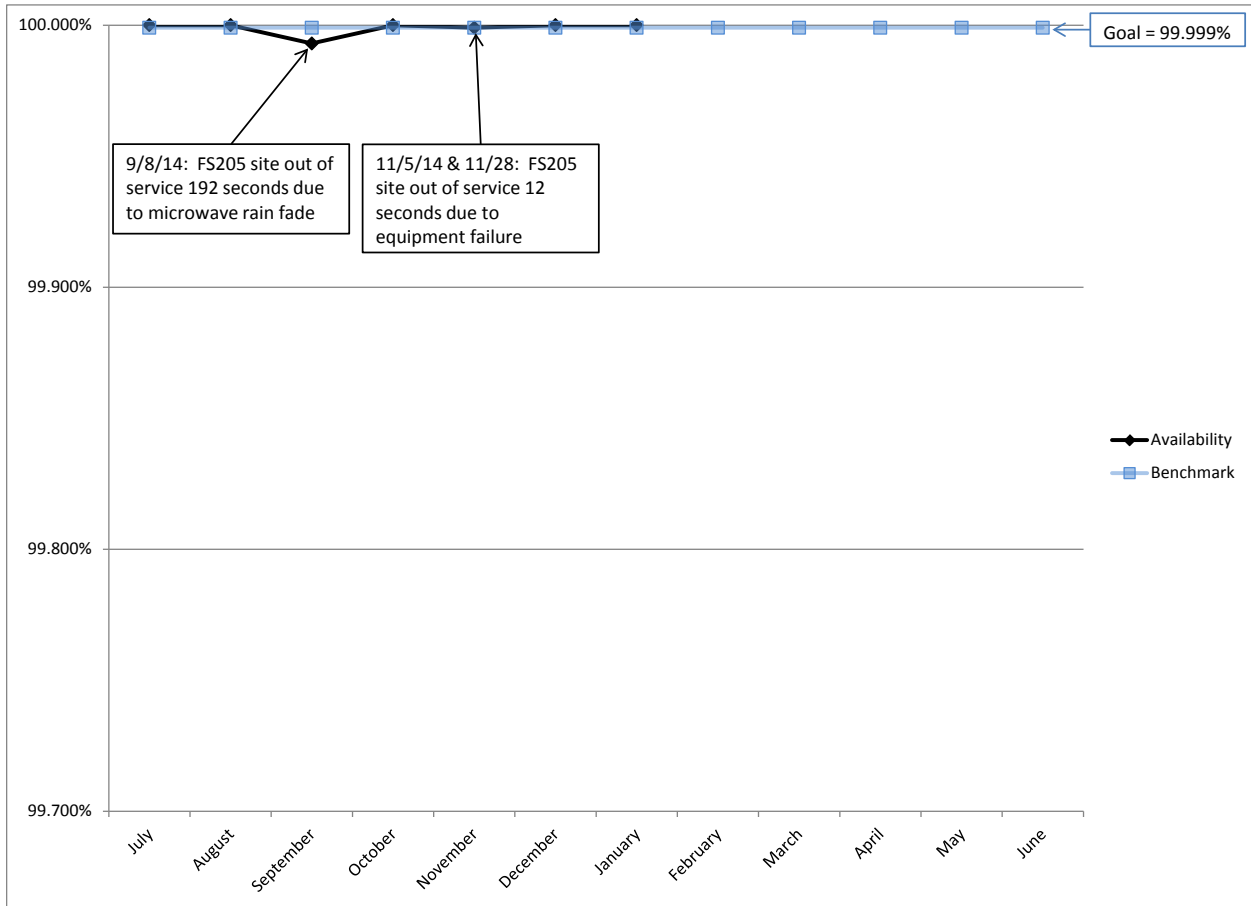
### **Other News:**

On October 24, 2014, the FCC released a "report and order" (R&O) regarding the 700 MHz Public Safety band. The most important item in this R&O the FCC has eliminated the deadline for "narrowbanding" of the 700 MHz frequencies. "Narrowbanding" would have required that 700 MHz channels employ technology to limit their bandwidth to 6.25 KHz, which in practical terms means Time Division Multiple Access (TDMA) technology (P25 Phase II). This would have required an upgrade (ranging from "just software" to hardware and software) for 700 MHz infrastructure (the TRWC only has one 700 MHz site – Shaw Butte), and replacement of radios operating on 700 MHz (the Motorola XTS5000 portable radios and Motorola XTL5000 mobile radios are not capable of being upgraded to TDMA operation). The Motorola APX6000 & APX7000-series radios are capable of being upgraded to TDMA operation with a software upgrade.

While the FCC narrowbanding mandate has been eliminated, the (Phoenix) Regional Wireless Cooperative (RWC) intends to upgrade their network to TDMA for capacity reasons, as their users subscriber equipment is upgraded to TDMA capability.

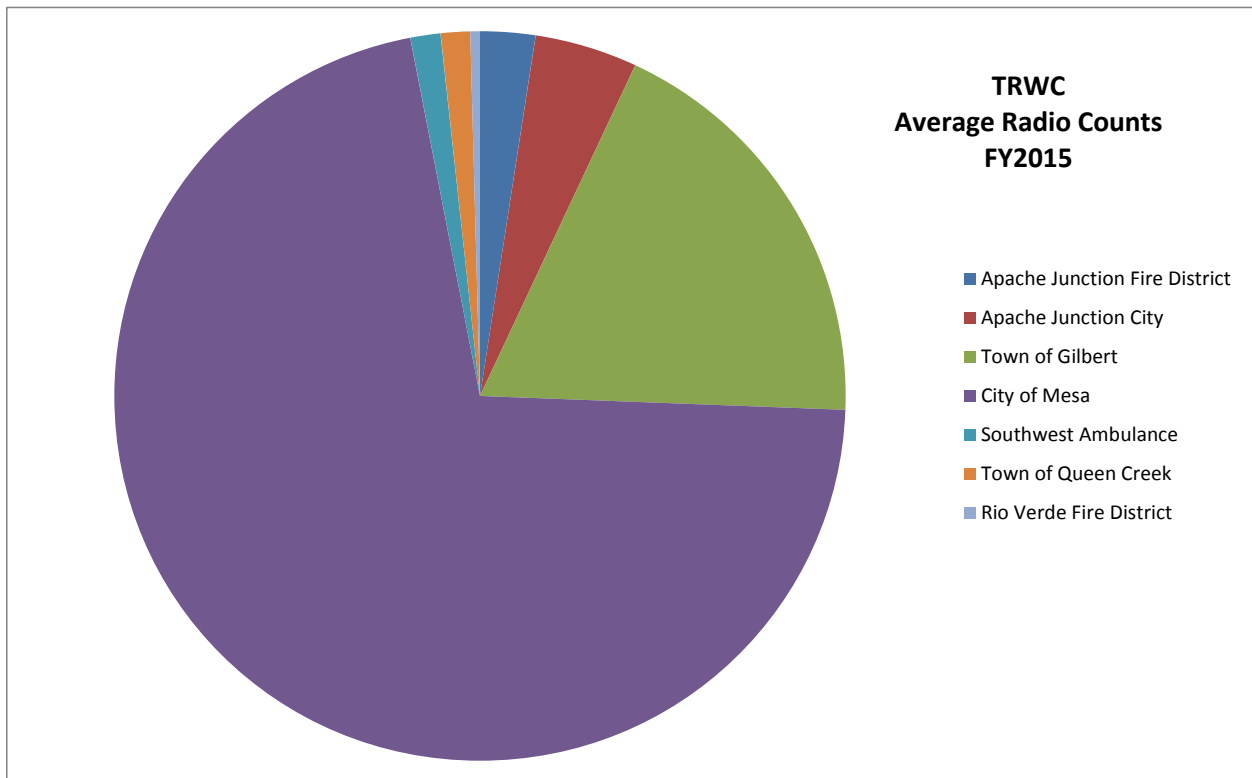
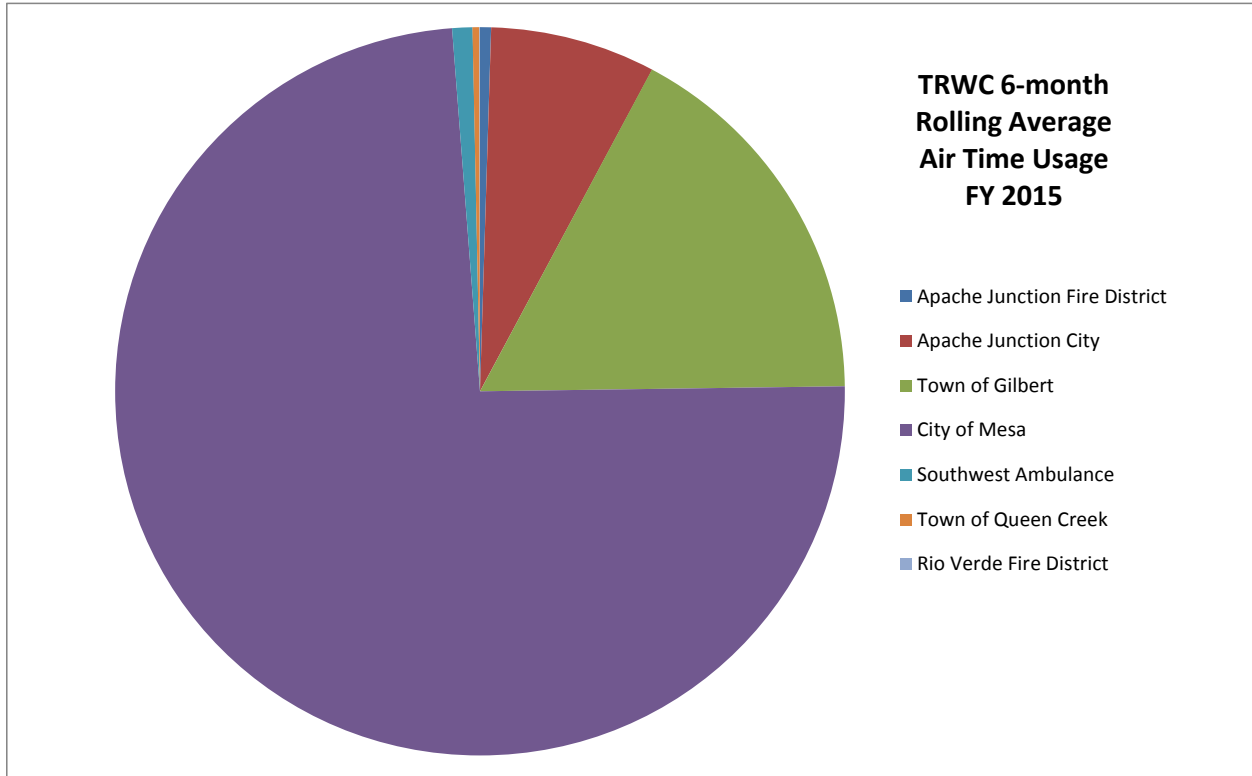
While the elimination of the FCC deadline relieves one pressure on upgrading older subscriber equipment to meet regulatory requirements, it does not change the fact that the existing fleet of radios for most TRWC users is aging and failing at an increasing rate, driving up maintenance and repair costs, thus requiring that plans and funding to upgrade subscriber equipment are still necessary and important. It is also important to keep in mind as equipment upgrade plans are made that the RWC will likely upgrade to TDMA operation within the lifecycle of the upgraded/replaced subscriber equipment. It is possible for infrastructure and subscriber equipment to switch between our current technology (Frequency Division Multiple Access (FDMA) - P25 Phase I) and TDMA, which may relieve some of the pressure to upgrade solely for TDMA capability.

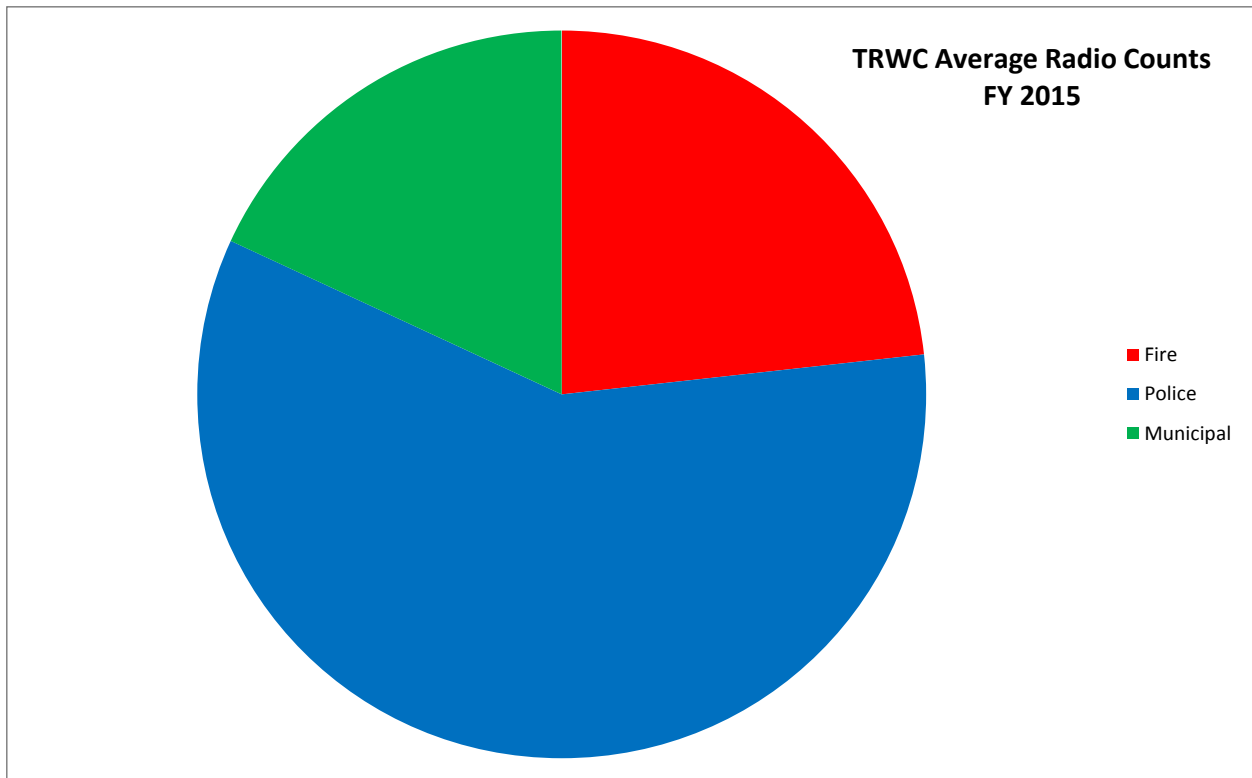
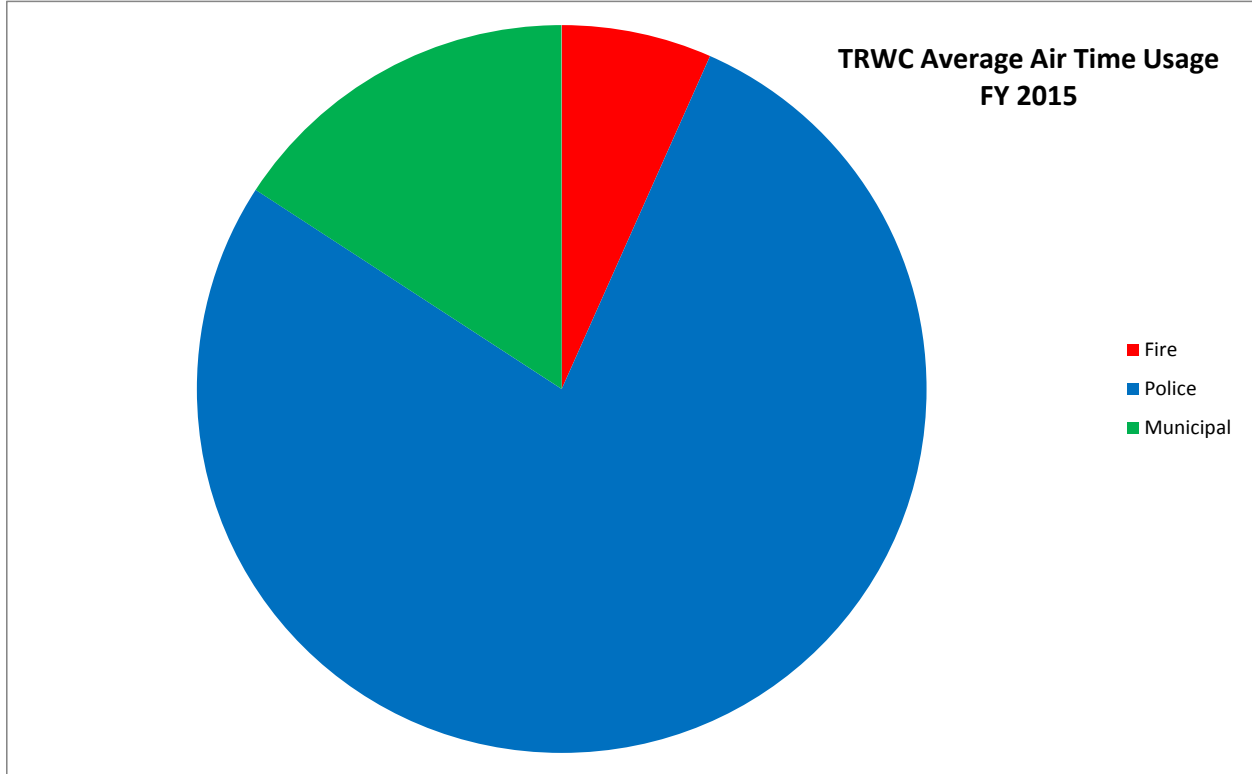
# TRWC Administrator Update, February 25, 2014



**System Availability, July, 2014 through January, 2015**

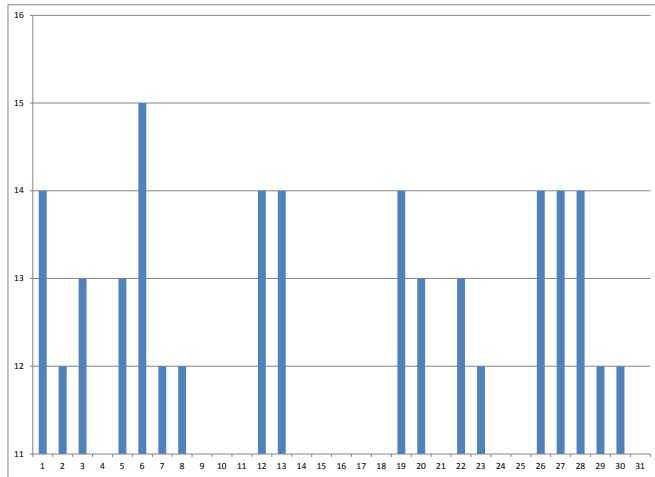
TRWC Administrator Update, February 25, 2014



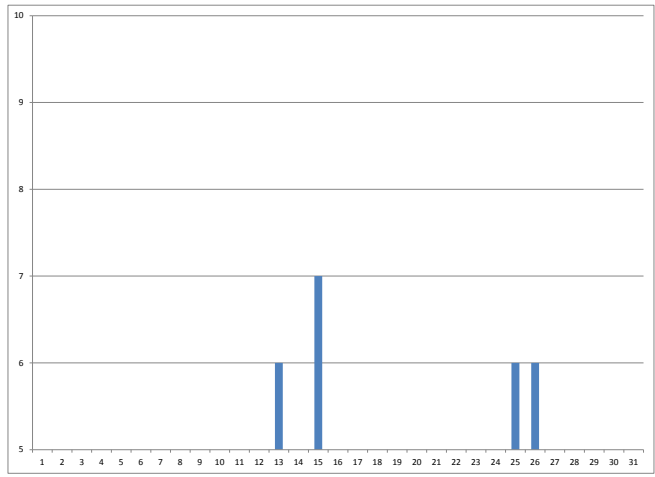




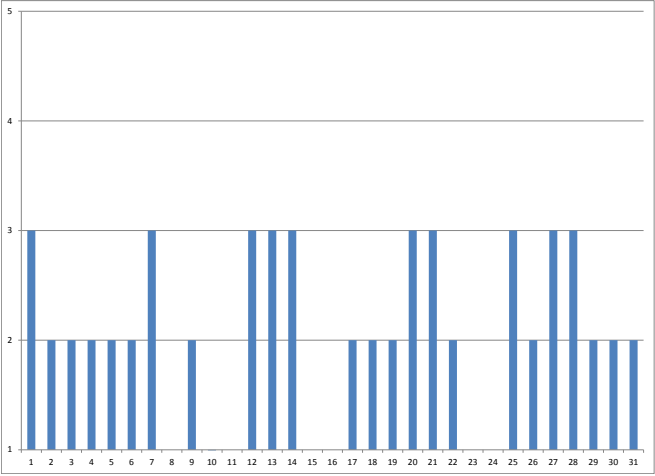
TOPAZ Peak Channel Usage, August, 2014



Simulcast Cell

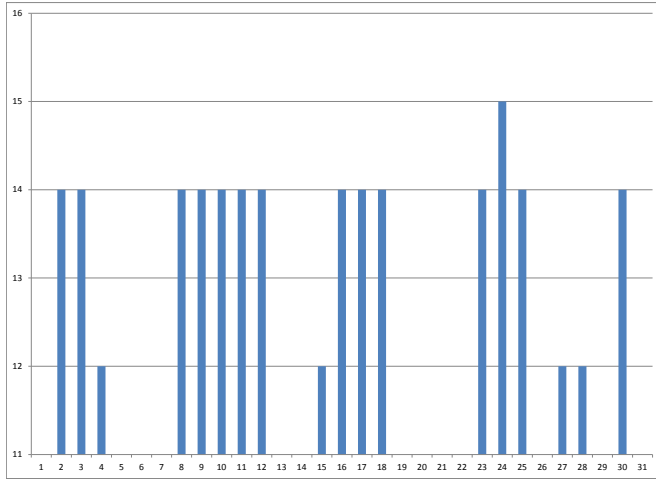


Thompson Peak

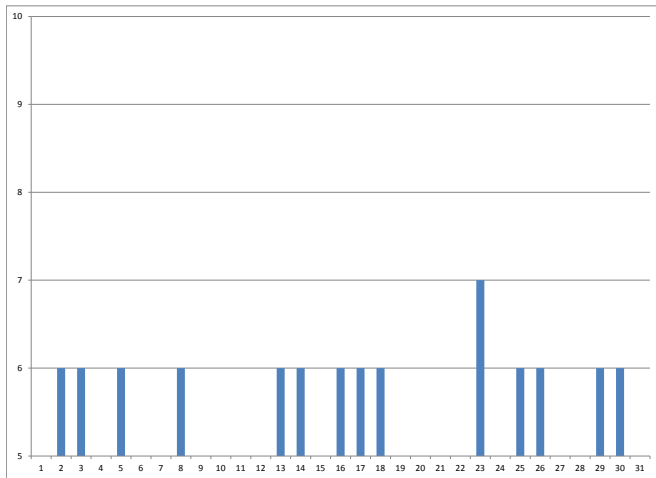


Shaw Butte

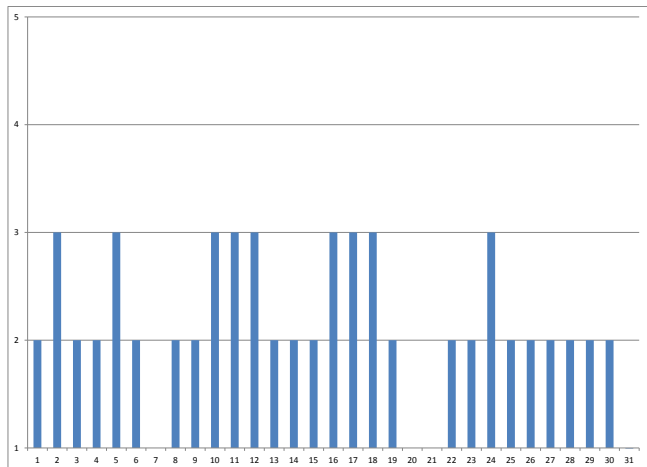
### TOPAZ Peak Channel Usage, September, 2014



Simulcast Cell

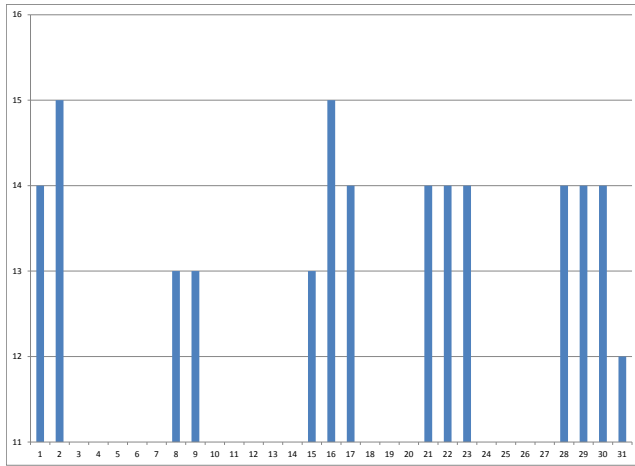


Thompson Peak

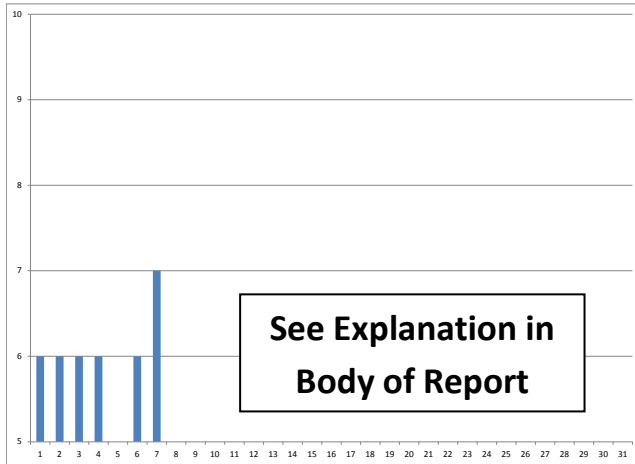


Shaw Butte

TOPAZ Peak Channel Usage, October, 2014

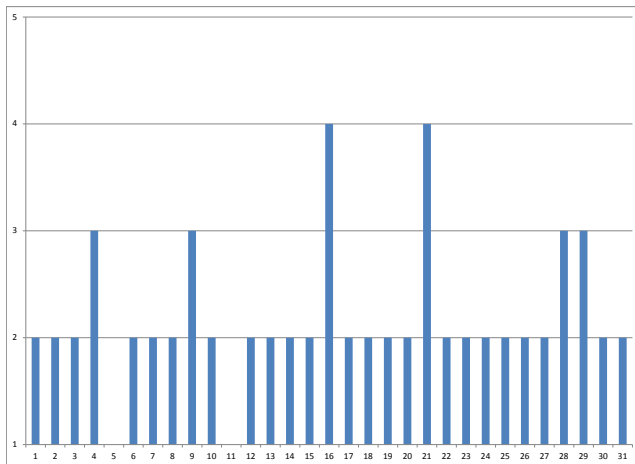


Simulcast Cell



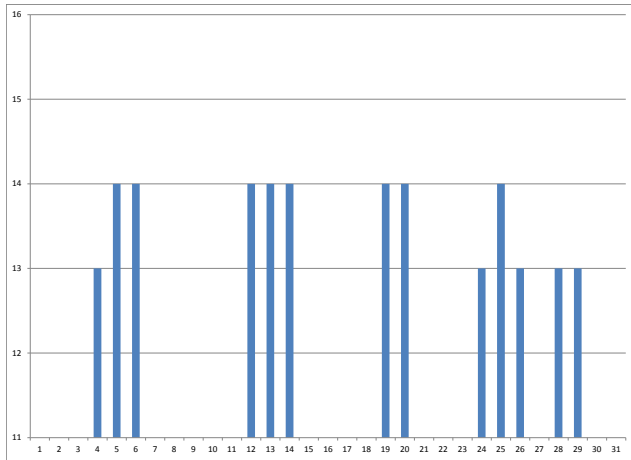
Thompson Peak

See Explanation in Body of Report

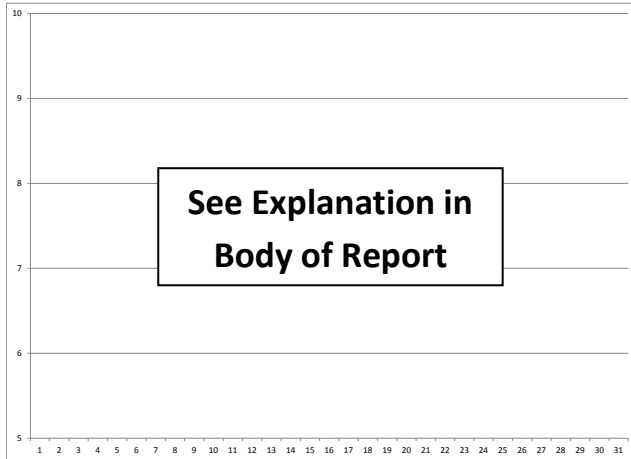


Shaw Butte

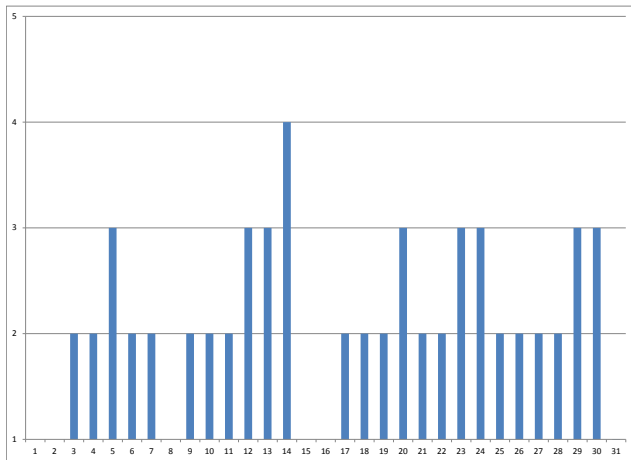
TOPAZ Peak Channel Usage, November, 2014



Simulcast Cell

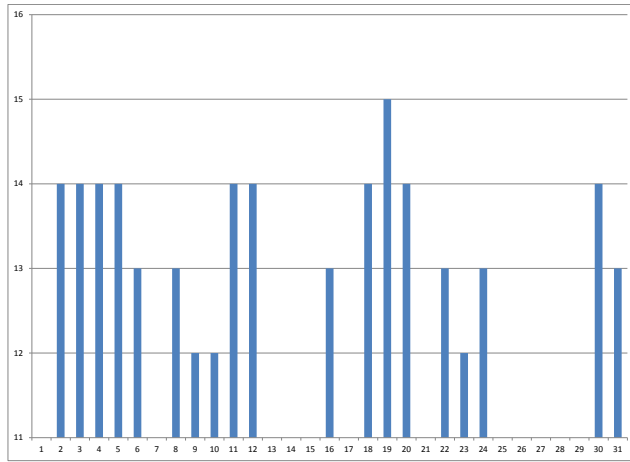


Thompson Peak

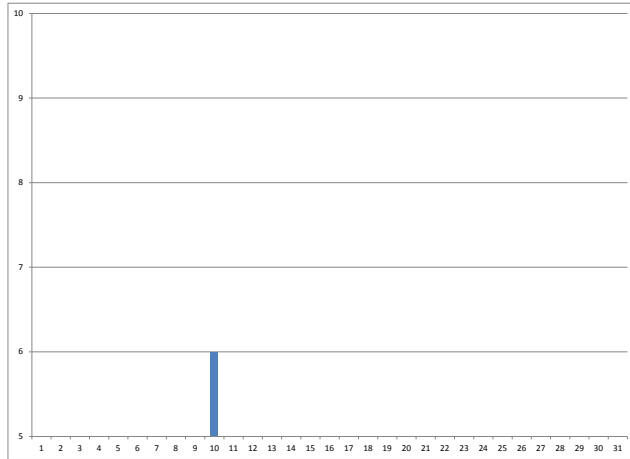


Shaw Butte

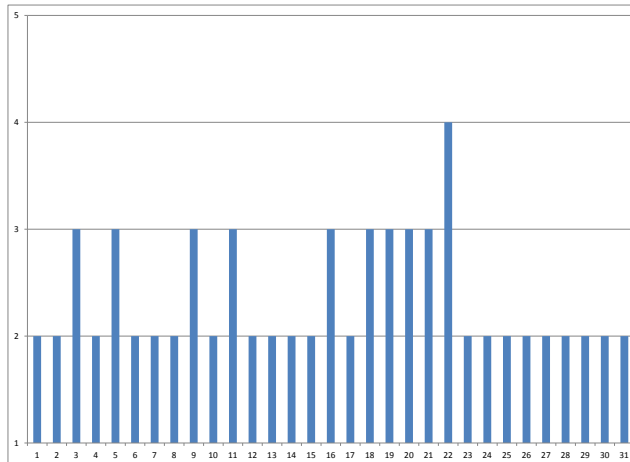
TOPAZ Peak Channel Usage, December, 2014



Simulcast Cell

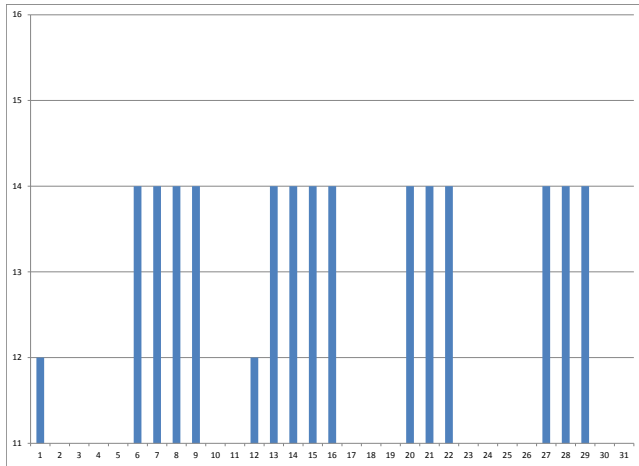


Thompson Peak

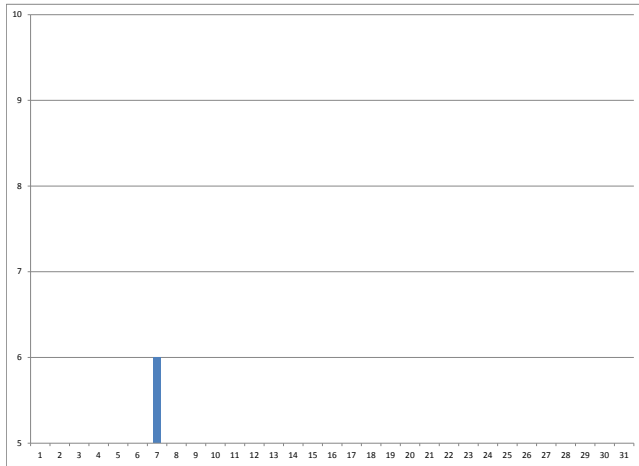


Shaw Butte

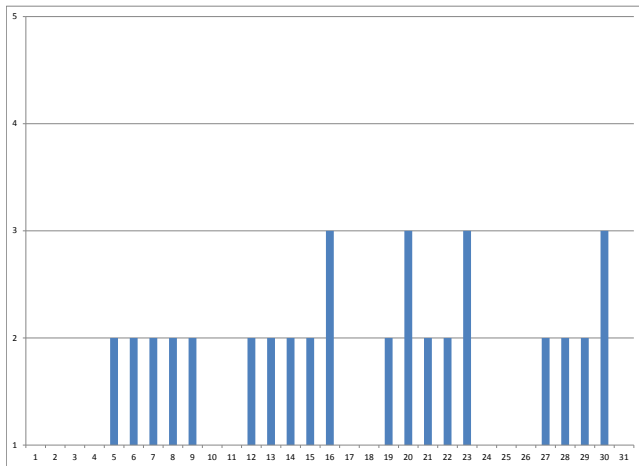
### TOPAZ Peak Channel Usage, January, 2015



**Simulcast Cell**



**Thompson Peak**



**Shaw Butte**



**FISCAL YEAR TO DATE ACTUALS  
THROUGH JANUARY 2015**

**OPERATIONS, MAINTENANCE AND CAPITAL**

**PRESENTED TO THE BOARD OF DIRECTORS  
FEBRUARY 25, 2014**

TOPAZ BUDGET TO ACTUAL COMPARISON  
Fiscal Year 2014 / 2015



**Operations and Maintenance Costs**

	Original Budget	Transfers	Revised Budget	January Units
1. Budgeted Airtime Units				
COM	73.96%		73.96%	74.21%
TOG	17.91%		17.91%	16.79%
AJFD	0.51%		0.51%	0.47%
CAJ	6.46%		6.46%	7.28%
TQC	0.27%		0.27%	0.31%
RVFD	0.04%		0.04%	0.03%
SWA	0.85%		0.85%	0.91%
<b>Total Airtime</b>	<b>100.00%</b>		<b>100.00%</b>	<b>100.00%</b>

	Monthly Budget	Rollforward	Revised Monthly	Current Month Actuals	% Used	Monthly Variance
2. Total Monthly Operating & Maintenance Costs	\$117,485	\$20,833	\$138,318	\$95,609	69%	-\$42,709

3. Operating & Maintenance Costs

	Original Budget	Rollforward	Revised Budget	YTD January	% Used	YTD Variance
COM	\$1,042,699	\$184,900	\$1,227,599	\$826,608	79%	
TOG	\$252,498	\$44,775	\$297,273	\$197,475	78%	
AJFD	\$7,190	\$1,275	\$8,465	\$5,363	75%	
CAJ	\$91,074	\$16,150	\$107,224	\$84,213	92%	
TQC	\$3,807	\$675	\$4,482	\$3,450	91%	
RVFD	\$564	\$100	\$664	\$416	74%	
SWA	\$11,983	\$2,125	\$14,108	\$10,248	86%	
<b>Total Operating &amp; Maintenance Costs</b>	<b>\$1,409,815</b>	<b>\$250,000</b>	<b>\$1,659,815</b>	<b>\$1,127,771</b>	<b>80%</b>	<b>\$21,230</b>

**Capital Projects**

	Original Budget	Transfers	Revised Budget	Current Month Actuals	% Used	Current Month Variance
1. Total Monthly Capital Costs	\$574,750		\$574,750	\$26,403	5%	-\$548,347

*Fiber Optic Cable to Radio network Backbone Sites*

2. Capital Costs

	Original Budget	Transfers	Revised Budget	YTD January	% Used	YTD Variance
COM	\$430,028		\$430,028	\$116,343	27%	
TOG	\$105,524		\$105,524	\$27,323	26%	
AJFD	\$2,644		\$2,644	\$762	29%	
CAJ	\$33,910		\$33,910	\$11,489	34%	
TQC	\$1,322		\$1,322	\$472	36%	
RVFD	\$1,322		\$1,322	\$50	4%	
<b>Total Capital Costs</b>	<b>\$574,750</b>	<b>\$0</b>	<b>\$574,750</b>	<b>\$156,439</b>	<b>27%</b>	<b>-\$418,311</b>



**Fiscal Year 2014 / 2015**

Description	Fiscal Year Budget	YTD		Variance From YTD Budget Increase/(Decrease)	% Variance	Variance Explanations (over \$5,000/10%)
		YTD Budget*	Actuals as of Jan 31, 2015			
Personnel Services	467,115	272,484	282,196	9,712	4%	
Sub-total Personnel Services	\$ 467,115	\$ 272,484	\$ 282,196	\$ 9,712	4%	
Insurance Premiums - Agencies	10,600	10,600	8,094	(2,506)	-24%	
Professional Services - Legal	52,000	30,333	30,081	(252)	-1%	
Temp Services	75,000	43,750	50,018	6,268	14%	D.Shaw time spent on ARCRA
Shaw Butte Land Rental	15,000	15,000	14,734	(266)	-2%	
Professional Services - Other	3,100	1,808	6,132	4,324	239%	Includes charges for Contract: Preventative Generators
Professional Services - Consulting	-	-	-	-	0%	
Contract - Preventative Generators	10,000	5,833	-	(5,833)	-100%	Charges are currently coded to Prof. Svcs
Utilities	74,000	43,167	37,379	(5,787)	-13%	SRP bills are one month in arrears
Telephone - Local	5,000	2,917	2,731	(186)	-6%	
Repairs & Maintenance Outside	10,400	6,067	5,114	(952)	-16%	
Equipment Usage (Vehicles)	20,000	11,667	9,479	(2,188)	-19%	
Travel	-	-	2,166	2,166	-100%	Travel to Chicago for life cycle replacement
All Other Services	2,000	1,167	-	(1,167)	-100%	
Sub-total Services	\$ 277,100	\$ 161,708	\$ 165,928	\$ 4,220	3%	
Contract - Preventative Motorola	577,000	577,000	530,989	(46,011)	-8%	Motorola one time annual billing, \$530K
Materials & Parts - Outside	17,600	10,267	37,295	27,029	263%	Includes cables and other items for upgrade; Offset by decrease in NonCap Assets & Motorola Contract
Non Cap Assets	50,000	29,167	13,235	(15,931)	-55%	Offset by increase in Materials & Parts
Software Maintenance- Juniper	20,000	20,000	20,326	326	2%	
All Other Commodities	1,000	583	-	(583)	-100%	
Sub-total Commodities	\$ 665,600	\$ 637,017	\$ 601,846	\$ (35,171)	-6%	
SubTotal	\$ 1,409,815	\$ 1,071,209	\$ 1,049,969	\$ (21,239)	-2%	
2014 Rollforward of Consulting fees	250,000	100,000	77,800	(22,200)	-22%	Carried forward funds from FY2014
Grand Total	\$ 1,659,815	\$ 1,171,209	\$ 1,127,769	\$ (43,439)	-4%	

\*YTD Budget represents 7 months of operational costs plus any contractual expenses already incurred (i.e. one time payments such as Insurance Premiums, Land Rental and Motorola Contract).