

MEETING AGENDA

MEETING: Valley Communications Center (VCC) Operations Board

LOCATION: VCC Board Room

DATE & TIME: Thursday, July 28, 2016 at 0930 hours

If an item is in bold type, related documents follow the agenda

1. Introductions

- 2. Additions or changes to the agenda
- 3. Recognition
- 4. Report from the Chair
- 5. Report from any Member
- 6. Report from Director
- 7. Action Items
 - a. Approval of the May 19, 2016 meeting minutes
 - b. Voucher and payroll approval (separate file)
 - c. Wellness Resolution
 - d. 2017/18 Draft Budget
- 8. Next scheduled meeting August meeting August 25, 2016
- 9. Adjourn

Police Chiefs and Zone 3 Fire Chiefs meet following this meeting.





MEMORANDUM

TO:

All Personnel

FROM:

Vonnie Mayer, Operations Manager

DATE:

July 14, 2016

SUBJECT:

Summary of Activity - 4th of July Holiday (Peak 6 Hours)

Below are the statistics from July 4, 2016. In comparison to July 4, 2015, you can see our call volumes and incidents decreased across the board (with the exception of the 10-Digit phone queue). The decrease in call volumes is a result of mild weather conditions and the 4th falling on a Monday. In 2015, we had an unusually hot weather pattern which resulted in dangerous fire conditions. This year, the weather was much cooler with measurable precipitation. Last year's heightened fears regarding fire danger was evident in the amount of 911 calls we received. This year's increase in 10-Digit call volumes is an indication that callers felt the danger wasn't as critical and accessed the non-emergency lines to report more firework nuisance calls.

Highlights from 2000 (8pm) on 7/4 through 0200 (2am) on 7/5:

2015	2016	% Changes			
2111	1018	-51.77%	911	L Calls	
356	421	+18.25%	10-	Digit Call	
2467	1439	-41.67%	Tot	al Incoming Calls	
			For	ward to Surge	
600	343	-42.83%	Qu	eue	
Fire/EMS CAD Incide	nts			CAD Incidents by Fire Department *	
Service Call			1	Renton Fire	68
BLS Aid			45	Kent RFA	35
Brush Fire			23	South King F&R	24
Non Structure			10	VRFA	24
ALS Aid			23	Burien/North Highline FD	20
Residential Fire			6	Maple Valley F&R	3
Commercial Fire			1	Mountain View F&R	3
Unknown type Fire			1	Tukwila FD	4
Others			25	Skyway (20)	4
Fireworks (Renton or	nly/RENFWK)		53	Palmer Selleck FD (47)	0
	2016 Tota	1	88	Vashon Island FD	2
	vs. 201	5 3	78	Medic One	1
	% Change	e -50.26	5%		



Police CAD Incidents

CAD Incidents by Police Department *

Firework Complaint		409	Auburn PD	180
•				215
Subject Stop		18	Kent PD	213
Traffic Stop		40	Federal Way PD	161
DUI		5	Renton PD	59
Physical Domestic		7	Des Moines PD	54
Loud Party		4	Tukwila PD	61
Verbal Dispute		14	Pacific PD	14
Suspicious Circs		5	Black Diamond PD	11
Juvenile Problem		3	Algona PD	8
Unwanted Subject		9	SCORE	4
Verbal Domestic		18		
Others		235		
	2016 Total	767		
	vs. 2015	1022		
	% Change	-24.95%		

Total Combined FIREWK (Police & Fire)

2016 Total 462 vs. 2015 694 % Change -33.42%



^{*}advised or duplicate calls not listed in department totals



AGENDA REPORT

TO: Valley Communications Center (VCC) Operations Board

THROUGH:

FROM: Lora Ueland, Executive Director

DATE: July 28th, 2016

RE: Facility Projects Update

Console Furniture Replacement in Com Room

Scope: Replace thirteen year-old console furniture at 16 call receiver positions, 16 dispatcher positions, 2 supervisor work stations in com room and two positions in the training room, addition of 4 call receiver consoles in the com room (40 consoles). Includes sit/stand desks, storage for electronic components, carpet, individual environment controls and status indicators.

Financial Impact: Approved budget of \$1,014,200. Furniture contract amount is \$849,683.70 + tax. Project will include furniture replacement, carpet replacement, and some technology changes.

Status: Project nearly complete with all console equipment installed and in operations. Contractor is cleaning up minor tasks. Expect to have project closed in 2 weeks.

Data Center Remediation

Scope: Address HVAC in the Data Center to maintain cooling capacity, regulate humidity and control air flow for critical VCC infrastructure (CAD, radio, paging components).

Financial Impact: \$2.9 million of which \$1.5 million was approved in 2016/17 budget.

Risk: High risk project. VCC Operations may move off-site during critical phases in work.

Status: Physical construction has started with chiller set in place. 7/25-26/16 will cut over chilled water piping to integrate system to rest of building.

Target Completion Date: 4Q16. Schedule at risk as sub-contractor responsible for controls of system is behind. VCC PM working with prime contractor to mitigate.



Perimeter Building Security

Scope: The perimeter fencing is original to the building. Time, ground erosion and foliage growth have introduced risk to the security of the property.

Financial Impact: Unknown

Status: Fence contractor providing assessment of work to be done, cost estimate and timeline. Requesting City of Kent to clear foliage on outside perimeter of fence.





MEETING MINUTES

MEETING: Valley Communications Center (VCC) Operating Board

LOCATION: VCC Board Room

DATE: Thursday, May 19, 2016

MEMBERS: Chief Church, South King Fire & Rescue

Chief Lee, Auburn Police

Administrator Robertson, VRFA Chief Milosevich, Renton Police Chief Thomas, Kent Police

Chief Calkins, Pacific Police (Contract Police Agency Rep)

Chief Clow, KCFD 20/Skyway

ABSENT: Chief Schneider, Kent RFA

Chief Flores, *Tukwila Fire* DC Barlow, *Mountain View Fire* Chief Hwang, *Federal Way Police*

Chief Doerflinger, KCFD #43 (Contract Fire Agency Rep)

Chief Villa, *Tukwila Police* Chief Peterson, *Renton Fire*

VISITORS: Michele Plorde, KCEMS

Chief Herbert, KC Medic One

Jeff Quinn, Citizen

Matthew Busa, Motorola

VCC STAFF: Lora Ueland. Executive Director

Vonnie Mayer, Operations Manager

Sean Morrow, *Human Resources Manager* Kristin Meitzler, *Technical Services Manager*

Justina Hanquet, Training Assistant

Mary Sue Robey, *Administrative Services Manager* Tracy Fitzgerald, *Administrative Services Assistant*

Steve Kowalczik, Supervisor Denese Moore, Supervisor Kathy Stevens, Supervisor Mary Quinn, Dispatcher John Smith, Dispatcher



<u>Welcome and Introductions.</u> Chief Church called the meeting to order at 0930 welcoming all. Introductions were made around the room.

<u>Recognition.</u> Operations Manager Vonnie Mayer congratulated VCC Dispatcher Mary Quinn for her 25 years of service and Dispatcher John Smith for his 15 years of service.

Report from Chair. Chief Church congratulated Renton Fire on their new department and Kent Police on their Benefit Charge.

Report from any Member. None.

Report from Director. Executive Director Ueland reported:

<u>C-3 High-Speed Fiber Ring.</u> (Informational handout provided in meeting packet)
Seattle PD is looking at facial recognition software. This could be a mechanism to share data if VCC agencies are interested. A fiber usage grant opportunity does exist if Police agencies are interested. Director Ueland will have the consultant take a closer look at the grant Seattle PD is currently working thru.

Regional E-911 Strategic Plan Scoping Committee.

The final report approved by the leadership group will be transmitted to the Executives Office by May 31. The next step is to issue an RFP to hire a facilitation consultant for strategic planning. This will set the governance structure, 10 year technology plan and 10 year financial plan for the regional E-911 system in King county. The Strategic Planning will start in August and be completed by December 2017.

Budget.

Planning for the 2017/2018 biennial budget is underway now. Director Ueland requested that agencies inform VCC of any projects or changes that would impact VCC. The Finance committee meeting is scheduled for July 20.

King County Airport.

Director Ueland met with the Director of the Airport who has narrowed his request to provide 911 and fire dispatch services only and will not include crash phones or FAA, Custom or TSA interfaces. VCC will seek direction from the Admin Board and report back to the Ops Board with the next steps if there are any.

Guardian One.

Director Ueland met with King County Air Support Unit and took a tour in their helicopter. She was reminded that their services are free to public safety agencies whether on duty or not. She asked for agencies to encourage their field units to request Guardian One via a dispatcher. If one is available, they will respond.

4th of July Plans.

Agencies are asked to contact Operations Manager Vonnie Mayer with their 4th of July plans by July 1. Agency staffing plans affect VCC staffing.



Personnel.

VCC is currently down 9 positions plus 4 overhires. HR is actively recruiting and has extended 3 conditional offers. Director Ueland requested that agencies ask their social media administrator to 'like' the VCC facebook page and to share hiring posts. The start date for the next academy is July 11. Director Ueland will be asking the Mayors if their City will hang VCC recruitment banners.

PSERN Radio Tower Design.

The final design of the tower location and system affiliation was submitted by Motorola sometime ago. A potential exists to isolate VCC radio users affiliated with the towers along I-90 in site trunking episodes. VCC questioned the design and impacts when first proposed several years ago and continued to raise the issue. Director Ueland recently addressed these concerns to King County CIO Bill Keogh and has a meeting scheduled with the Project Team, Motorola and the CIO of King County next week to hopefully obtain more understanding.

<u>Tiburon Update.</u>

IT Manager Kristin Meitzler gave an update on the Tiburon (Tri Tech). There was an update on May 9. It was noted updates would come in over the top of the Map which was causing a lot of issues with field units. This has been corrected. Please make sure your trainers know that the user manual in your normal drop box location has been updated. Direct any questions to support@valleycom.org. There will be a CAD build on May 23 which will address 9 TSRs which should not be an issue for field units.

Action Items:

<u>Minutes.</u> Chief Milsoevich moved to approve the minutes of the March 24, 2016 meeting with an amendment to update the Police Contract Agency Representative to Chief Calkins. Administrator Robertson seconded to approve the minutes as amended. Motion passed.

<u>Voucher and Payroll Approval.</u> Chief Lee read the voucher and payroll report. Administrator Robertson moved to accept claims check numbers 26702 through 26839 in the amount of \$407,630.15 for the period of 03/18/2016 through 05/05/2016. EPAY numbers 2016-023 through 2016-057 in the amount of \$768,799.07 for the period of 02/13/2016 through 04/26/2016. Payroll in the amount of \$1,432,469.41 for the period of 03/01/2016 through 04/30/2016 and manual check number 39613 in the amount of \$439.76 dated 03/23/16. Chief Thomas seconded. Motion passed.

Next scheduled meeting of the Operating Board will be a combined June/July meeting held on July 28, 2016 at 0930.

With no further business, Chief Church adjourned the meeting at 1000 hours.

Respectfully Submitted,

Tracy Fitzgerald
Administrative Services Assistant



VALLEY COMMUNICATIONS CENTER

RESOLUTION NO. 123

A RESOLUTION of the Valley Communication Center Administration Board affirming the Employee Wellness Program.

RECITALS

WHEREAS, Valley Communications Center recognizes that employee health is related to lifestyle decisions and that illnesses and injuries can be prevented by positive individual health practice; and

WHEREAS, Valley Communications Center further recognizes that improvements to employee health, achievable through active workplace health promotion programs and activities, can result in better morale, reduced absenteeism, and enhanced productivity and performance; and

WHEREAS, Valley Communications Center wishes to create and maintain an Employee Wellness Program aimed at preventing illnesses and injuries and promoting better morale, reduced absenteeism, and enhanced productivity and performance among employees;

NOW THEREFORE RESOLVED BY THE ADMINISTRATION BOARD OF VALLEY COMMUNICATIONS CENTER AS FOLLOW:

That the Administration Board of Valley Communications Center herby affirms and expresses their support of the Valley Communications Center Employee Wellness Program.

Effective Date: This resolution shall take effect immediately upon its passage and adoption.

PASSED at a regular meeting of the Valley Communications Center Administration Board on the 5th day of August, 2016

CONCURRED by the Chairperson of the Valley Communications Center Administration Board on this 5th day of August, 2016

Jim Ferrell, Chairperson, Administration
Board, Valley Communications Center
Board, Valley Communications Center

ATTEST:

Secretary
APPROVED TO AS FORM:
Pacifica Law Group



MEMORANDUM

TO: VCC Administration Board THROUGH: VCC Finance Committee

VCC Operations Board

FROM: Lora Ueland, Executive Director

DATE: July 14, 2016

SUBJECT: Deputy Director Staff Request

ISSUE: Establish a new position of Deputy Director.

BACKGROUND: The Executive Director is supported by six direct reports, one of which is the Operations Manager who fills the duties of both a Deputy Director and Operations Manager. In addition to being responsible for all Com Room operations, the Operations Manager assumes responsibility for the Center in the absence of the Executive Director and is part of the Executive Leadership Team. The Operations Manager has 9 Supervisor direct reports and, as Operations is the core mission of this Center, is involved with nearly every decision and project.

HISTORY: At the formation of VCC in 1977, there were three Administration positions to provide support for the ~25 employees; Director, Deputy Director and an Administrative Secretary. As of today, there are 18 administrative positions to provide support for VCC's mission and 130 employees. The current Organization Chart reflects the Executive Director with six department manager direct reports: Operations, Finance, Human Resources, Technology, Training and Administrative Services.

In 1986, the position of Deputy Director was re-named Operations Manager. The position was again re-named Deputy Director in 2001 and continued to supply the responsibilities of both Operations Manager and Deputy Director. In 2010, anticipating the need for additional Executive level capacity, the Administration Board approved funding an Operations Manager position while specifying the Deputy Director position on the org chart as an unfunded position. As the sitting Deputy Director was retiring, a process was held resulting in the hiring of an Operations Manager while the unfunded Deputy Director position was to remain vacant until time the Board chose to fund it.

DISCUSSION: Valley Com is a respected and well-known partner in the County and beyond and involvement in regional efforts has increased significantly since 2010 requiring an external focus and presence. The Executive Director represents Valley Com and the owner cities on Boards and committees including Public Safety Emergency Radio Network Joint Board (PSERN), Regional Communications Board (RCB), the KC Regional E-911 Strategic Planning Committees, Community Connectivity Consortium (C3) and others, as well as participating in frequent meetings with other PSAPs in the region. Typically over 60% of the work week is dedicated to these external efforts by way of prep time to review or create materials, coordinate with stakeholders, travel and attend meetings, and follow up. The rest of the time is spent in one-on-one meetings with



direct reports and attending to internal matters which leaves little time for future-focused planning and strategizing.

The Operations Manager currently is responsible for all operational elements of the Center including 9 Supervisor direct reports and 103 com room staff. The Operations Manager is involved with all elements of the com room including hiring, scheduling, evaluating, coaching, discipline and labor issues. As the person responsible for the Center in the absence of the Executive Director, the Operations Manager is involved/aware of all executive level issues. The five other department heads require the Operations Manager involvement in most projects and decisions as ultimately all work impacts Operations in some manner due to the nature of our core mission.

Valley Com has experienced increased demands on the time of both the Executive Director and the Operations Manager. The addition of a Deputy Director would relieve pressure and be able to take on tasks that would benefit all departments, including com room personnel. Specifically, the Deputy Director will be responsible for:

- Data collection, analyzing data and making data driven recommendations/decisions
- Assist in strategic planning and overall organizational effectiveness
- Internal coordination among departments
- Supervise two direct reports; Operations Manager and Training Manager
- Coordinate and liaison with agencies on shared projects and interests

Adding this position will allow the Operations Manager to provide sole focus on the com room operations and personnel. The hybrid approach of duties we have been requiring of the current Operations Manager is not sustainable given the size of Valley Com's staff and workload. Below are other stand-alone 911 Centers and their organizational structure.

Agency	Employee Count	2015 911 Annual Calls	Executive Director	Deputy Director	Operations Manager
NORCOM (Bellevue)	82	176,100	Х	Х	Х
CENCOM (Kitsap County)	76	300,000	Х	Х	Х
T-Comm (Thurston County)	65	235,000	Х	Х	
CRESA (Clark County)	81	405,934	Х	Х	Х
SNOPAC (Sno County)	113	600,030	Х	X - Ops Mgr functions as DD	X – has 2 FTE directly supporting Ops
Valley Com	130	440,581	Х		Х

RECOMMENDATION: The time has come to fund the Deputy Director position the Admin Board envisioned would be needed in 2010. I recommend the funding for the position of Deputy Director be approved in the 2017/18 budget.





MEMORANDUM

TO: VCC Administration Board THROUGH: VCC Finance Committee

VCC Operations Board

FROM: Mary Sue Robey, Administrative Services Manager

THROUGH: Executive Director Lora Ueland

DATE: July 1, 2016

SUBJECT: Public Records Specialist Staff Request

Issue: VCC requests authorization to hire a part-time (.5 FTE) Public Records Specialist.

History: Valley Com has one full time position dedicated to public records. The Public Records Specialist (PRS) reports to the Admin Services Manager and is responsible for handling all requests for public records, testifying in court as to validity of records and overseeing retention of the public records. Over the past 20 years, Valley Com has seen this position grow from a part time position to the more than full time position it is now. In 2014, 4209 records were produced, in 2015 a total of 4714 requests were identified. As of June 30th, 2016 Valley Com is at 2260 requests for the year.

Along with the increase in number of requests, the type of requests are also changing and becoming more complex. In addition to request for 911 phone calls and dispatched incidents, we are seeing increased requests for CAD messaging, how many times police have been to a specific address, email searches within Valley Com employees, employment history and broad requests relating to the administrative business of Valley Com. Requests for information are received from City prosecutors and police agencies, many wanting all domestic violence 911 calls and/or DUI incidents, just in case they may be needed in court. It is anticipated requests will continue to increase as they have over the years but at a higher rate due to Next Generation 911 (NG911) technology which will include photos, videos and text messages. Each Public Records request requires time to log the request, search for data amongst different systems (CAD, 911 recordings, radio recordings, email servers, etc) and then compile and deliver the request. As each event is unique, the amount of time necessary to produce one request can range from 10 minutes to several months.

Several years ago, Valley Com implemented the ability for agencies and City Attorneys to remotely access our recording system and CAD systems. The purpose was so they could review the record and determine if a certified recording was necessary and, if so, they would make the request to VCC. When asked why this feature was not being used, the answer was they did not have time or personnel to review the information. To ensure they have what they need in case it is relevant, the fall back is to ask VCC to provide the information. VCC's PRS appears in court when called by City Attorneys to testify to the validity of the recording. One of the owner cities attorney's office has requested the PRS coordinate her vacation time with them in order to not miss important court dates. Court appearances require time away from fulfilling requests and attending to retention.



The Public Records Specialist (PRS) is also responsible for Valley Com's records retention which includes destruction of records in accordance with Washington State retention laws. Due to workload, the PRS has not been able to keep current with destroying records past their retention dates. This exacerbates the workload as if a record exists, it must be produced if requested, regardless if it was scheduled for destruction.

Discussion: Below is the number of requests and personnel involved in producing the records from comparable cities/agencies.

City/Agency	# of FTEs	# of Requests per Year
City of Auburn	9	3,378
Federal Way Police	11	4,200
City of Federal Way	2.5	300
Renton Police	2	2,187
City of Tukwila	5	87
NORCOM	1	1,500
T-COMM (Thurston County)	5	2,940
CENCOM (Kitsap County)	2	603
SNOCOM	1	2,162
SNOPAC	1.5	3,382

With the Administrative Services department running as lean as it does (Manager, Public Records Specialist, and Administrative Assistant to support 130 employees) there is no existing support available to help with public records without paying overtime. We believe a part-time PRS is adequate to allow capacity to fulfill public records request and to attend to destruction of records.

Producing public records is a critical customer service position that owner/contract agencies and citizens rely very heavily on for investigations and court proceedings. Request made under the Public Records Act are a priority, however requests made by City Attorneys for information that may be needed in court are also important. Adding a part-time Public Records Specialist will allow VCC to continue to augment the staff of our agencies/cities and is more cost effective than each agency having to add personnel to review and evaluate recordings for use in court.

Recommendation: Authorize the funding for a part-time Public Records Specialist in the 2017/18 budget.





MEMORANDUM

TO: VCC Administration Board THROUGH: VCC Finance Committee

VCC Operations Board

FROM: Kristin Meitzler – Technical Services Manager

DATE: June 14, 2016

SUBJECT: Technical Services Department 3 New Positions Staff Request

ISSUE:

Establish 3 new FTE positions (Project Administrator/Manager, System Administrator, Network Administrator) within the Technical Services Department in the 2017-2018 budget.

BACKGROUND:

The Technical Services Department span and magnitude of responsibility has steadily climbed over the last several years. The department is not solely information technology. It has diversified well outside the standard definition of information technology that already incorporated radio and paging communication services.

In addition, the Technical Services Department has expanded in to the area of public works and facilities. While at the same time, business requirements have demanded the availability of more information to make better informed business decisions.

As a Department, we have reorganized duties in an attempt to gain efficiencies and direct resources to the most critical need. We have already repurposed an existing FTE position Communications System Administrator (renamed Project Administrator) to split their attention on facilities, project management, radio, and paging. However, with that adjustment we now have an even greater need in the information technology area.

BUSINESS IMPACTS:

Additional Workload

- Increase in RFP development, public works bidding, and procurement.
- Increase in facility projects and maintenance.
- Increase in mandated security regulations both from a process and technical perspective (CJIS, etc.).
- Increase in technical involvement for legal discovery & public disclosure requests.

- Increase in the number of technical and overall projects for Valley Com.
- Increased size and complexity of projects.
- Increased demand for participation in regional initiates and vetting those solutions for viability.
- E911 office allocating time and projects for VCC resources that we allocated for other projects. Resulting in resources being double booked.
- Technology lifecycles and support cycles are shorter i.e. software upgrades, patching, security fixes, and support cycles.
- Business requirements are driving the use of more technology usage to reduce operational costs.
- More data and intelligent information is being used and requested to improve the quality of service.
- Technology areas are becoming more specialized and the generalist technical employee cannot be effective in today's technological world. Valley Com does a remarkable job with the resources we have.
- Overall more systems, users, and applications to support and maintain.

Workload that is not able to be performed

- System Administration (reviewing log files, checking system health, monitoring), this is creating security risks and liability for system failures.
- Valley Com is not able to entertain doing the projects that are being asked of us.
- Valley Com does not have adequate resources for IT project management (CAD, Infrastructure, storage, Database, Security). That work is being done by the Technical Services Manager which then results in other tasks not being completed.
- System Security not being addressed adequately.
- Process and policies not being touched creating liability with represented staff.
- Project and Strategic Planning is not being performed.
- Cyber-security issues are not being addressed for the level of threat in today's environment.
- Product and Project research and assessment, vetting regional initiatives, agency requests, and departmental requests.

E911 Office Impact

E911 office has placed more 911 phone work demands on Valley Com's System Administrator. This position was originally hired for Valley Com's system administration work. Now that resource has been diverted over to phone maintenance and projects for the majority of their time for the e911 office. So the original system administration scope of work is going undone and stretching the one system administrator beyond capacity. In 2015, from July to December of 2015, the e911 office work accounted for 913 hrs. That is approximately 130 hours per month, which is over 80% of an FTE's time.

CAD

Since the deployment of the Tiburon CAD system in 2014, the number of Valley Com end users has increased substantially. In addition, the amount of overhead to maintain the Tiburon system is much greater than the previous system. The CAD environment alone is comprised of 38 servers that have to be maintained and monitored. This directly impacts the workload of the system and network administrators to provide effective customer support, maintenance, and security to our customers.

	PRC (As of March 2014)	Tiburon/TriTech (Today)	% Increase over 2 year period			
Station	767	1283	67%			
Terminals						
Mobile Clients	618	1089	76%			

Figure 1: End user counts for PRC and Tiburon CAD systems.

Facilities

Valley Com's facility is now approaching 15 years old and is now really demonstrating its age. Valley Com is experiencing an increased workload in facility, maintenance, and public works projects.

On call availability

The systems that the Technical Services Department are asked to maintain and support are extremely diverse. With these systems being so specialized, requires very specialized knowledge and skill sets (infrastructure, virtualization, storage, networking, CAD, HVAC, power systems, radio, paging etc.) With the personnel that we have and our department's scope so broad, providing effective support is increasingly difficult.

<u>Helpdesk</u>

Figure 2 shows the helpdesk ticket trends since 2010. The department substantially increased the number of tickets we resolved over the 5 year period. While keeping the amount of time spent to resolve those tickets relatively flat. This highlights the efficiencies that we have realized by making internal changes, but we have reached the point of diminishing returns.

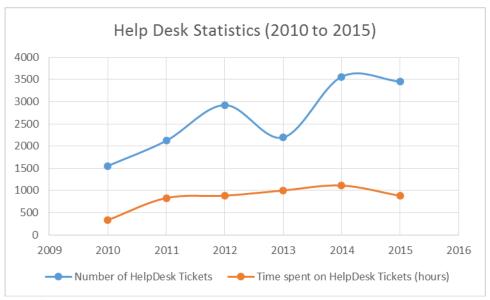


Figure 2: Helpdesk trend for number of tickets and time expedited.

REGIONAL 911 CENTERS COMPARIBLES:

Below is a brief comparison of other 911 centers in the region that compares their PSAP's size and activity level to their Information Technology department staffing levels. In most cases this is just comparison of Information Technology departments. In Valley Com's case the services provided are beyond traditional information technology.

	Valley	NORCOM	SNOCOM	SNOPAC	TCOMM
	Com				
Number of IT Department FTEs	7	10	5	10	4
911 Call Volume	440,581	176,100	163,195	600,030	235,000
Number of Floor Positions	40	16	15	27	20
Information Technology	X	X	X	X	X
Radio	X				
Paging	X				
Facilities	X			X	

Figure 3: Regional PSAP Comparable IT Department Staffing Levels

IT Infrastructure Snapshot

Below is a snapshot of Valley Com's hardware in place that needs to be supported.

Environment	Physical Servers			Physical Workstations	Laptops	Endpoints (Thin Clients)		
CAD	32	6	7	76	0	0		
Other	29	28	45	54	34	100		
Total	61	34	52	130	34	100		

Figure 4: Helpdesk trend for number of tickets and time expedited.

Radio & Paging

Valley Com is responsible for operating and maintaining the radio and paging sites listed below. The resources to accomplish this are a mixture of Project Manager, System Administrator, and Network Administrator.

Valley Com owns, operations, and maintains 3 Radio sites:

- McDonald
- Skyway
- Cambridge

Valley Com owns, operations, and maintains 13 Paging sites:

1.	Cambridge	7. Rolling Hills
2.	Federal Way	8. Skyway
3.	Lakeland Hills	9. Squak
4.	Maury Island	10. Top Hat
5.	McDonald	11. Valley Com

RECOMMENDATION:

6. Port of Seattle

We have reached a higher level of criticality to fund the 3 Technical Services Department positions. I recommend the funding for the Project Administrator/Manager, System Administrator, and Network Administrator positions.

12. Vashon Island

The department is looking at a phased approach for the 3 FTE requests. With current replacement projects Valley Com is already committed to, we believe hiring the Project Administrator/Manager for January 2017 we can have them productive, with very little ramp up time. The System Administrator we would start July of 2017 and the Network Administrator would start January of 2018.

FINANCIAL SUMMARY - ALL FUNDS 2017-2018 BIENNIAL BUDGET

	Fund 501 Operating	Fund 502 Eq. Replc	Fund 503 ontingency	Fund 504 800 MHz	E-	Fund 505 911 Escrow	und 507 ealth Ins.	Total All Funds
Resources								
Beginning Fund Equity	\$ 467,539	\$ 8,834,882	\$ 1,957,009	\$ 3,820,400	\$	1,059,788	\$ 454,313	\$ 16,593,931
Revenues								
Revenue from Owner Agencies	30,894,857							30,894,857
Revenue from Contract Agencies	5,390,049							5,390,049
Netmotion Revenue	84,788							84,788
800 MHz Radio Revenue				1,094,232				1,094,232
E-911 Revenue	-					4,570,517		4,570,517
KC EMS Revenue	320,000							320,000
Miscellaneous Revenues	196,369			153,185			-	349,555
Interest Earnings	3,000	20,000	6,000	8,500		20,000	500	58,000
Transfers In								
From Operations		3,394,033	257,675				-	3,651,708
From E-911 Escrow	2,835,655	1,446,000						4,281,655
From Healthcare Insurance	454,813							454,813
Total Resources	\$ 40,647,071	\$ 13,694,915	\$ 2,220,684	\$ 5,076,317	\$	5,650,305	\$ 454,813	\$ 67,744,105
Uses								
Expenditures								
Salaries	\$ (22,754,164)			\$ (104,765)				\$ (22,858,929)
Benefits	(8,245,028)			(35,627)			-	(8,280,655)
Supplies	(372,652)			(10,000)				(382,652)
Professional Services	(5,062,548)			(1,105,525)	\$	(1,200)		(6,169,273)
Capital Outlays	(93,432)	\$ (3,054,340)		(1,681,508)				(4,829,280)
Transfers Out								
For Operations						(2,835,655)	\$ (454,813)	(3,290,469)
For Equipment Replacement	(3,394,033)					(1,446,000)		(4,840,033)
For Contingency	(257,675)							(257,675)
Total Uses	\$ (40,179,532)	\$ (3,054,340)	-	\$ (2,937,425)	\$	(4,282,855)	\$ (454,813)	\$ (50,908,965)
Fund Equity								
Unrestricted	\$ 467,539				\$	1,367,450		\$ 1,834,989
Designated			\$ 2,220,684				(0)	2,220,683
Restricted for Operations				\$ 670,847				670,847
Restricted for Equipment Replacement		 10,640,575		1,468,045				12,108,620
Ending Fund Equity	\$ 467,539	\$ 10,640,575	\$ 2,220,684	\$ 2,138,892	\$	1,367,450	(0)	\$ 16,835,140
Change in Fund Equity	0	\$ 1,805,693	\$ 263,675	\$ (1,681,508)	\$	307,662	\$ (454,313)	\$ 241,209

Funding Formula

			RECOMMENDED By Finance Committee			RECOMMENDED By Finance Committee]
		1. Admin surcharge (12%)	by i mance committee		1. Admin surcharge (12%)	by manec commerce	
		2. E911 to fund operations		2. E911 to fund operations	2. E911 to fund operations	2. E911 to fund operations	2. E911 to fund operations
		(15 FTE) & Eq. Repl \$723K		(12 FTE) & Eq. Repl \$723K	(15 FTE) & Eq. Repl \$723K	(12 FTE) & Eq. Repl \$723K	(9 FTE) & Eq. Repl \$723K
		3. Contingency \$154K (at 12%)	3. Contingency \$179K (1%)		3. Contingency \$25K (at 12%)	3. Contingency \$78K (at 12%)	
		4. Eq Repl contr \$1.6mil = \$760 UPS					
		Unit Repl & \$315K security system					
		repl &\$500K misc (71% of YR; 44%			Eq Repl contr \$1.8 mil (79% of YI	₹;	
		Funded)			50% Funded)		
			6. Add 3 Admin FTEs in 2017 (1 PA, 1			6. Add 1.5 Admin FTEs in 2018 (0.5	
			DD, 0.5 PRS, 0.5 SA)			SA, 1 NA)	
		7. CFS Rate \$39.81 revert to \$40.65					
	2016		2017 Bud-et Outiere			2010 Dudget Ogtions	
	2016	0005	2017 Budget Options	0.11	CORE	2018 Budget Options	0.11
One-estimate Contra	Adjusted Budget	CORE \$ 2,965,542	Option #1	Option #2		Option #1	Option #2
Operational Costs	\$ 2,127,008		\$ 2,965,542	\$ 2,965,542	1 \$ 2,563,090		\$ 2,563,090 15,942,609
Personnel Costs	14,184,777	14,648,608	15,056,583	15,056,583	15,290,635	15,942,609	15,942,609
Plus:							
Transfer to Equipment Replacement	1,645,576	1,575,000	1,575,000	1,575,000	1,819,033		1,819,033
Transfer to Contingency	103,859	153,689	179,287	179,287	25,749	78,388	78,388
Minus:					1		
Miscellaneous Revenues	238,632	312,910	312,910	312,910	291,248		291,248
Transfer from E911 Escrow Account	1,430,240	1,524,418	1,524,418	1,256,432	1,590,968		1,031,506
Total Expenditures to be funded by Agencies	\$ 16,392,348	\$ 17,505,511	\$ 17,939,084	\$ 18,207,070	\$ 17,816,292	\$ 18,800,635	\$ 19,080,367
					1		
Overall calls for service (12 mo. actual)	458,531	492,522	492,522	492,522	492,522	492,522	492,522
CONTRACT AGENCY REVENUE					1		
Baseline rate (total exp divided by calls)	\$ 36.30	\$ 35.54	\$ 36.42	\$ 36.97	\$ 36.17	\$ 38.17	\$ 38.74
Add: Admin Surcharge	4.36	4.27	4.37	4.44	4.34		4.65
Contract Agency Rate	\$ 40.65	\$ 40.65	\$ 40.79	\$ 41.40	\$ 40.51	\$ 42.75	
Prior Year's Rate	\$ 40.65	\$ 40.65	\$ 40.65	\$ 40.65	\$ 40.65		\$ 41.40
Increase/(Decrease) %	0%	0%	0%	2%	09		5%
, (5-0) case, /0			0/0	270	1	370]
Total Contract Agency Revenue	\$ 2,530,755	\$ 2,622,555	\$ 2,631,826	\$ 2,671,142	\$ 2,613,81	1 \$ 2.758.223	\$ 2,799,262
Total contract Agency Revenue	2,330,733	2,022,333	2,031,020	2,071,142	2,013,01	2,750,225	2,733,202
OWNER AGENCY REVENUE							
	ć 46.202.240	47.505.544	47,000,004	40 207 070	47.046.202	40,000,635	40,000,000
Total Expenditures	\$ 16,392,348	\$ 17,505,511	\$ 17,939,084	\$ 18,207,070	\$ 17,816,292	\$ 18,800,635	\$ 19,080,367
Less: Transfer in from ERR	-				_	-	-
Less: Transfer in from Healthcare Ins	-	(454,813)	(454,813)	, , ,		-	-
Less: Contract Agency Revenue	(2,530,755)	(2,622,555)	(2,631,826)	(2,671,142)	(2,613,811		(2,799,262
Owner Agency Contribution	\$ 13,861,593	\$ 14,428,143	\$ 14,852,445	\$ 15,081,115	\$ 15,202,480		
% increase (decrease) from prior year	15%	4%	7%	9%	59		89
Owner Agency CFS Rate	\$ 34.98	\$ 33.71	\$ 34.70	\$ 35.24	\$ 35.52		\$ 38.04
% increase (decrease) from prior year	8%	-4%	-1%	1%	59	6 8%	89
Renton Fire	\$ 513,432	\$ 521,125	\$ 536,450	\$ 544,710	\$ 549,093	\$ \$ 579,430	\$ 588,052
Renton Police	2,216,593	2,404,881	2,475,604	2,513,719	2,533,948	2,673,948	2,713,733
Renton Total	\$ 2,730,025	\$ 2,926,007	\$ 3,012,054	\$ 3,058,428	\$ 3,083,041	\$ 3,253,378	\$ 3,301,785
Tukwila Fire	\$ 190,989	\$ 194,305	\$ 200,019	\$ 203,099	\$ 204,733	\$ \$ 216,045	\$ 219,259
Tukwila Police	1,015,006	1,065,594	1,096,931	1,113,820	1,122,783		1,202,445
Tukwila Total	\$ 1,205,995	\$ 1,259,900			\$ 1,327,517		
· ·		1					. ,
Kent Fire RFA	\$ 807,296	\$ 846,226	\$ 871,111	\$ 884,523	\$ 891,641	\$ 940,904	\$ 954,904
Kent Police	2,955,626	3,022,654	3,111,544	3,159,449	3,184,875		3,410,844
Kent Total	\$ 3,762,922	\$ 3,868,879		\$ 4,043,972	\$ 4,076,516		
	,		2,222,000	,,5,2	1	.,,,	,,
Valley Regional Fire Authority	\$ 389,884	\$ 405,162	\$ 417,077	\$ 423,499	\$ 426,907	\$ 450,493	\$ 457,196
Auburn Police	2,828,527	2,844,698	2,928,354	2,973,440	2,997,369		3,210,033
Auburn Total	\$ 3,218,411	\$ 3,249,860	\$ 3,345,432	\$ 3,396,938	\$ 3,424,275		\$ 3,667,229
OMMANII TULAI	y 3,210,411	3,243,860	5,545,432	۵,350,938	3,424,2/5	3,013,405	3,007,229
South King Eiro & Roscus	¢ 637.154	\$ 653,235	\$ 672,445	¢ 603.700	\$ 688,293	\$ 726,321	¢ 727 120
South King Fire & Rescue Federal Way PD	\$ 627,151 2,317,089	\$ 653,235 2,470,262	2,542,908	\$ 682,798 2,582,059	\$ 688,293 2,602,838		\$ 737,128 2,787,510
Federal Way Total	\$ 2,944,240	\$ 3,123,497	\$ 3,215,353	\$ 3,264,857	\$ 3,291,131	3,4/2,965	\$ 3,524,639
O Account Total	ć 12.004.505	6 44.425.445	44.050.115	6 45 004 445	6 45 200 10	0 6 40.040.010	£ 40.000 100
Owner Agency Total	\$ 13,861,593	\$ 14,428,143		\$ 15,081,115	\$ 15,202,48		
% Increase (decrease) from prior year	15%	4%		9%	59		8%
Owner Agency CFS Rate	\$ 34.98	\$ 33.71		\$ 35.24	\$ 35.52		\$ 38.04
	8%	-4%	-1%	1%	59	6	89
% Increase (decrease) from prior year		i e					ĺ
% Increase (decrease) from prior year			the state of the s				
	\$ 16,392,348	\$ 17,050,698	\$ 17,484,271	\$ 17,752,257	\$ 17,816,292	\$ 18,800,635	\$ 19,080,367
% Increase (decrease) from prior year Owner & Contract Agency Contributions							
% Increase (decrease) from prior year Owner & Contract Agency Contributions Beginning Fund Equity	\$ 468,039	\$ 467,539	\$ 467,539	\$ 467,539	\$ 467,539	\$ 467,539	\$ 467,539
% Increase (decrease) from prior year Owner & Contract Agency Contributions			\$ 467,539 \$ 467,539		\$ 467,539 \$ 467,539	\$ 467,539 \$ 467,539	\$ 467,539

- 2017
 1 \$839K increase in operational costs is mostly due to an increase in professional services (Legal \$393K, Hardware/software maint \$274K, Prof serv projects \$106K) & CAD eCBD interface \$78K.
 2 \$872K increase in salary costs is due to 3 FTE new positions at \$408K; \$457K increase in overtime; wages increase \$210K (2%) offset by \$204K decrease in benefits medical.
 3 One time transfer from Healthcare Insurance Fund of accumulated reserves to close out fund.

- 2018
 \$403K decrease in operational costs is mostly due to one time costs in 2017 (\$331K in lawsuit & CAD eCBD interface \$78K).
 \$886K increase in salary costs is due to 1.5 FTE new positions at \$244K; \$368K in wages (3%); \$274K in benefits (7%; \$210K net medical/dental/vision & \$48K PERS).

OWNER IMPACT SUMMARY 2017 BUDGET - OPTION 1

	Call	Call Call for Service 800 MHz				Contribution			
Owner Agency	Volume	C	ontribution		Fund		+ 800 MHz		
Kent Police	89,666	\$	3,111,544	\$	104,525	\$	3,216,069		
Kent Fire RFA	25,103		871,111		36,469		907,580		
Kent Total	114,769	\$	3,982,655	\$	140,994	\$	4,123,649		
Apportionment	27%								
Renton Police	71,340	\$	2,475,604	\$	68,096	\$	2,543,700		
Renton Fire	15,459		536,450		23,965		560,416		
Renton Total	86,799	\$	3,012,054	\$	92,061	\$	3,104,116		
Apportionment	20%								
Auburn Police	84,387	\$	2,928,354	\$	72,412	\$	3,000,766		
Valley Regional Fire	12,019		417,077	·	20,425		437,502		
Auburn Total	96,406	\$	3,345,432	\$	92,836	\$	3,438,268		
Apportionment	23%								
Tukwila Police	31,611	\$	1,096,931	\$	46,327	\$	1,143,258		
Tukwila Fire	5,764		200,019		11,749		211,768		
Tukwila Total	37,375	\$	1,296,951	\$	58,076	\$	1,355,027		
Apportionment	9%								
Federal Way PD	73,280	\$	2,542,908			\$	2,542,908		
South King Fire & Rescue	19,378		672,445				672,445		
Federal Way Total	92,658	\$	3,215,353			\$	3,215,353		
Apportionment	22%					!			
Total Police	350,284	\$	12,155,341	\$	291,360	\$	12,446,701		
Total Fire	77,723		2,697,104		92,608		2,789,711		
2017 Grand Total	428,006	* \$	14,852,445	\$	383,968	\$	15,236,413		
2016 Totals	396,276	\$	13,861,593	\$	658,910	\$	14,520,503		
Increase (Decrease) from 2016	8%		7%		-42%		5%		

* Owner agency equivalent call rates:

2014: \$29.48 2015: \$32.50 2016: \$34.98 2017: \$34.70

Personnel Costs

Existing Personnel Costs:														Change Prior Y	
Salaries	2014 FTE	2015 FTE	2016 FTE	2017 FTE	2018 FTE	2014	Adj. Budget	2015 Budget	2016 Budget	2	017 Budget	2018	Budget	2017	2018
Administration	16.8	17.5	17.5	17.5	17.5	\$	1,469,760	\$ 1,650,049	\$ 1,732,551	\$	1,792,940	\$ 1,	,853,900	3%	39
Supervisor	9.0	9.0	9.0	9.0	9.0		831,716	866,617	909,948		937,920		969,809	3%	39
Call Receiver	44.0	44.0	44.0	44.0	44.0		2,579,376	2,660,478	2,793,502		2,845,818	2,	,942,576	2%	3%
Dispatcher	59.0	59.0	59.0	59.0	59.0		4,085,041	4,223,831	4,435,022		4,504,710	4,	,657,870	2%	3%
Overtime (~14,275 hours)							380,091	270,968	284,517		742,244		767,481	161%	3%
Total Salaries	128.8	129.5	129.5	129.5	129.5	\$	9,345,984	\$ 9,671,942	\$ 10,155,539	\$	10,823,632	\$ 11,	,191,636	7%	39
Benefits															
Retirement						\$	812,507	\$ 1,144,224	\$ 1,218,665	\$	1,420,061		,468,343	17%	39
FICA/Medicare							133,708	138,260	147,255		156,943		162,279	7%	39
Medical Insurance							1,891,958	2,252,784	2,294,978		1,830,775	2,	,013,852	-20%	109
L&I Insurance Life & ADD Insurance							52,228 2,377	52,409 2,495	56,078 2,644		57,670 6,714		61,707 7,184	3% 154%	7% 7%
Dental/Vision Insurance							2,377	2,495	239,683		269,435		296,378	134%	10%
Unemployment Ins.							49,794	51,490	54,840		51,036.03		54,839	-7%	7%
LT & ST Disability							8,133	8,862	9,394		29,643		31,718	216%	7%
Mobile Device Allowance							-	5,700	5,700		2,700		2,700	-53%	0%
Total Benefits						\$	3,166,480	\$ 3,880,228	\$ 4,029,238	\$	3,824,975	\$ 4,	,098,999	-5%	7%
											-,,				
Total Operating Fund Existing Per	rsonnel Costs (5	01)				\$	12,512,464	\$ 13,552,170	\$ 14,184,777	\$	14,648,608		,290,635	3%	4%
Total Operating Fund Existing Per	rsonnel Costs (5	01)		2017 FTE	2018 FTE		12,512,464 4 Adj. Budget	\$ 13,552,170 2015 Budget	\$ 14,184,777 2016 Budget			\$ 15,	,290,635 3 Budget	2017	
Total Operating Fund Existing Per New Personnel Costs: Salaries & Benefits	rsonnel Costs (5	01)								2	14,648,608 017 Budget	\$ 15,	Budget	2017	2018
Total Operating Fund Existing Per	rsonnel Costs (5	01)		2017 FTE 1.0 0.5	2018 FTE 1.0 0.5						14,648,608	\$ 15,			
Total Operating Fund Existing Per New Personnel Costs: Salaries & Benefits Deputy Director	rsonnel Costs (5	01)		1.0	1.0					2	14,648,608 017 Budget 148,117	\$ 15, 2018	3 Budget 154,609	2017 n/a	2018
Total Operating Fund Existing Per New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist	rsonnel Costs (5	01)		1.0 0.5	1.0 0.5 1.0 1.0					2	14,648,608 017 Budget 148,117 49,755	\$ 15, 2018	3 Budget 154,609 51,936	2017 n/a n/a	4%
Total Operating Fund Existing Per New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator	rsonnel Costs (5	01)		1.0 0.5 1.0	1.0 0.5 1.0					2	14,648,608 017 Budget 148,117 49,755 143,533	\$ 15, 2018	3 Budget 154,609 51,936 149,824	2017 n/a n/a n/a	2018 4% 4% 4%
Total Operating Fund Existing Per New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator System Administrator		01)		1.0 0.5 1.0 0.5	1.0 0.5 1.0 1.0		Adj. Budget - - - -			2	14,648,608 017 Budget 148,117 49,755 143,533	\$ 15, 2018 \$	154,609 51,936 149,824 138,976	2017 n/a n/a n/a n/a	2018 4% 4% 4% 109%
Total Operating Fund Existing Per New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator System Administrator Network Administrator	osts (501)	01)		1.0 0.5 1.0 0.5	1.0 0.5 1.0 1.0		Adj. Budget - - - -			\$	14,648,608 017 Budget 148,117 49,755 143,533 66,570	\$ 15,	154,609 51,936 149,824 138,976 156,630	n/a n/a n/a n/a n/a	2018 4% 4% 4% 109% n/a
New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator System Administrator Network Administrator Total Operating New Personnel C	osts (501)	01)		1.0 0.5 1.0 0.5 -	1.0 0.5 1.0 1.0 1.0	2014	Adj. Budget - - - - - -	2015 Budget	2016 Budget	\$	14,648,608 017 Budget 148,117 49,755 143,533 66,570 - 407,975	\$ 15,	5 Budget 154,609 51,936 149,824 138,976 156,630 651,974	2017 n/a n/a n/a n/a n/a	2018 4% 4% 109% n/a 60%
New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator System Administrator Network Administrator Total Operating New Personnel C	osts (501)	01)		1.0 0.5 1.0 0.5 -	1.0 0.5 1.0 1.0 1.0	\$ \$ Suppor	Adj. Budget	2015 Budget	2016 Budget	\$ \$	14,648,608 017 Budget 148,117 49,755 143,533 66,570 - 407,975	\$ 15,	5 Budget 154,609 51,936 149,824 138,976 156,630 651,974	2017 n/a n/a n/a n/a n/a	2018 4% 4% 109% n/a 60%
New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator System Administrator Network Administrator Total Operating New Personnel Co	osts (501)	01)		1.0 0.5 1.0 0.5 -	1.0 0.5 1.0 1.0 1.0	\$ \$ Suppor	1 Adj. Budget	2015 Budget	2016 Budget	\$ \$	14,648,608 017 Budget 148,117 49,755 143,533 66,570 - 407,975 15,056,583	\$ 15, 2018 \$ \$ \$ 15,	154,609 51,936 149,824 138,976 651,974 ,942,609	2017 n/a n/a n/a n/a n/a n/a n/a 6%	2018 4% 4% 4% 109% n/a 60% 6% 2018
New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator Network Administrator Total Operating New Personnel C Total Operating Fund Personnel C Administrative IT - 3 FTES Call Receiver - 12/9 FTES	osts (501) Costs (501)	01)		1.0 0.5 1.0 0.5 -	1.0 0.5 1.0 1.0 1.0	\$ Suppor	1 Adj. Budget	2015 Budget	2016 Budget	\$ \$	14,648,608 017 Budget 148,117 49,755 143,533 66,570 - 407,975 15,056,583 017 Budget 446,474 1,071,944	\$ 15, 2018 \$ \$ 15, 2018 \$	3 Budget 154,609 51,936 149,824 138,976 156,630 651,974 ,942,609 3 Budget 466,043 839,194	2017 n/a n/a n/a n/a n/a n/a n/a n/a 10 6% 2017 -4% 12%	2018 4% 4% 4% 109% n/a 60% 6% 2018 4% -22%
New Personnel Costs: Salaries & Benefits Deputy Director Public Records Specialist Project Administrator System Administrator Network Administrator Total Operating New Personnel Co	osts (501) Costs (501)	01)		1.0 0.5 1.0 0.5 -	1.0 0.5 1.0 1.0 1.0	\$ \$ Suppor	1 Adj. Budget	2015 Budget	2016 Budget	\$ \$	14,648,608 017 Budget 148,117 49,755 143,533 66,570 - 407,975 15,056,583	\$ 15, 2018 \$ \$ 15, 2018 \$	154,609 51,936 149,824 138,976 651,974 ,942,609	2017 n/a n/a n/a n/a n/a n/a n/a 6%	2018 4% 4% 4% 109% n/a 60% 69 2018

2014 Adj. Budget

\$

134.5

40,170

16,782

56,952

2015 Budget

44,287 \$

22,031

66,318 \$

2016 Budget

46,502

23,907

70,409

 2014 FTE
 2015 FTE
 2016 FTE
 2017 FTE
 2018 FTE

 0.5
 0.5
 0.5
 0.5
 0.5

130.0

133.0

800 MHz

Salaries

Benefits

Total FTE's

Total 800 MHz Fund Personnel Costs (504)

129.3

130.0

7/1	9/201	6

2018 Budget \$ 53,258

\$ 71,688

18,430

2017 Budget

51,507

17,198

68,704

2017 2018 11% 3%

-2% 4%

-28%

USER ASSESSMENT CALCULATION NETMOTION SERVICE

2017 - 2018 Budget

Expense:	
Remaining Original Net Motion Deployment Costs	\$ 5,290
Staff Support Time	42,888
Software/Infrastructure Mx	36,609
Total Expenses	\$ 84,787

Revenues:	
2017 User Fees	\$ 42,394
2018 User Fees	 42,394
Total Revenues	\$ 84,787

2017 2018

Agency	# of Users	User Based Rate	Total 2017	# of Users	User Based Rate	Total 2018	Total 17-2018
City of Des Moines	35	\$17.66	\$ 7,419	35	\$17.66	\$ 7,419	\$ 14,838
KCFD #20	19	\$17.66	4,027	19	\$17.66	4,027	8,055
KCFD #43/Maple Valley	50	\$17.66	10,598	50	\$17.66	10,598	21,197
KCFD #44	18	\$17.66	3,815	18	\$17.66	3,815	7,631
KCFD #47	2	\$17.66	424	2	\$17.66	424	848
KC Medic One	76	\$17.66	16,110	76	\$17.66	16,110	32,219
Total Units	200		\$ 42,394	200	ı	\$ 42,394	\$ 84,787

Notes:

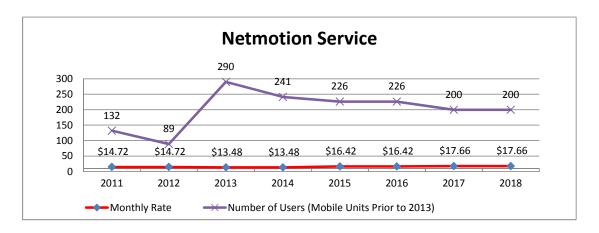
Cost model updated for 2017-2018 budget based on actual LTD expenses and revenues.

Costs are recovered over 2 years through 2018.

User counts are from April 2016 billing.

No new customers and no addition users are added to projections.

Assumes we will not have current customers stop their service.



Unit of measure changed in 2013 from a mobile unit basis to a user basis.

800 MHz TRUNKED RADIO SYSTEM 2017 USER ASSESSMENT CALCULATION BASED ON AIR TIME USAGE

Maintenance and Operations	\$ 647,660
Equipment Replacement Contribution	 -
Total Expenditures	\$ 647,660

Total Revenues	,	\$ 647,660	
Interest Revenue	_	5,000	е
Reimbursements		57,600	d
Lease Revenue		37,985	С
Non-Public Safety Revenue		108,000	b
Airtime Applied Expenditures	9	\$ 439,075	a
Public Safety			

	Number of	Fixed Cost			Airtime *		Airtime		Annual
Public Safety	Radios	per Month	Fix	ed Costs	Percentages		Costs		Amount
City of Algona Police	33	\$2.37	\$	939	0.7%	ς	3,177	\$	4,115
City of Auburn Police	264	\$2.37	Y	7,509	14.8%	Y	64,903	Y	72,412
City of Des Moines Police	98	\$2.37		2,787	5.4%		23,569		26,356
•	373	\$2.37			21.4%				
City of Kent Police				10,609			93,917		104,525
City of Pacific Police	51	\$2.37		1,451	0.9%		4,135		5,586
City of Renton Police	279	\$2.37		7,935	13.7%		60,161		68,096
City of Tukwila Police	211	\$2.37		6,001	9.2%	_	40,326	_	46,327
Subtotal	1309		\$	37,230	66.1%	Ş	290,187	\$	327,417
City of Renton Fire Dept.	247	\$2.37	\$	7,025	3.9%	\$	16,940	\$	23,965
City of Tukwila Fire Dept.	187	\$2.37	Ψ.	5,319	1.5%	Ψ	6,431	Y	11,749
Kent Fire RFA	317	\$2.37		9,016	6.3%		27,453		36,469
King County Fire District # 20	59	\$2.37		1,678	0.9%		3,767		5,445
King County Fire District # 43	90	\$2.37		2,560	0.8%		3,542		6,102
King County Fire District # 44	153	\$2.37		4,352	0.5%		2,369		6,720
King County Fire District # 47	22	\$2.37		626	0.0%		158		783
Valley Regional Fire	219	\$2.37		6,229	3.2%		14,196		20,425
Subtotal	1294	72.37	\$	36,803	17.0%	\$	74,854	\$	111,658
Subtotu	1254		Ψ.	30,003	17.070	Y	74,034	7	111,050
Public Safety Total	2603		\$	74,034	83.1%	\$	365,041	\$	439,075 a
System Overhead Airtime					16.9%	\$	74,034		
Total Airtime Applied Expenditures				•	100.0%	_	439,075		
Non-Public Safety Rate									
Auburn Emerg Mgmt	18	\$15.00						\$	3,240
Auburn School District	8	\$15.00							1,440
Cedar River Water District	23	\$15.00							4,140
City of Covington	5	\$15.00							900
City of Kent OEM	62	\$15.00							11,160
City of Maple Valley	10	\$15.00							1,800
Covington Water District	38	\$15.00							6,840
Kent School Risk	326	\$15.00							58,680
Kent School Security	36	\$15.00							6,480
Multicare Health - Covington	2	\$15.00							360
Multicare Heath - Auburn	3	\$15.00							540
Renton School District	5	\$15.00							900
SCORE	9	\$15.00							1,620
Soos Creek Water District	41	\$15.00							7,380
Tahoma School District	3	\$15.00							540
Tukwila Public Works	6	\$15.00							1,080
Valley Medical Center	5	\$15.00							900
Non-Public Safety Total	600							\$	108,000 b
Cambridge Lease								\$	23,565
Skyway Lease									14,421
Total Lease Revenue								\$	37,985 c
PSERN Reimbursements								\$	57,600
Total Reimbursements								\$	57,600 d
Estimated Interest Revenue								\$	5,000
Total Interest Revenue								\$	5,000 e

^{*}Airtime usage is from 2015. No valid 2016 airtime usage available.