DANE COUNTY BOARD OF SUPERVISORS MINUTES OF THE PUBLIC SAFETY COMMUNICATIONS CENTER BOARD Meeting of Wednesday, February 15, 2011

DRAFT

The Public Safety Communications Center Board met at the City County Building, Room 321 in Madison, Wisconsin, on, Wednesday, February 15, 2011 at 1:00 p.m.

MEMBERS PRESENT:

Ald. Skidmore, Asst. Chief Keiken, Div. Chief Martinez, Div. Chief Kinkade, Capt. Williams, Chief Deputy Hook, Keith Lippert, Mayor Pfaff,

Kinkade, Capt. Williams, Chief Deputy Hook, Kelth Lippert, Mayor Plan, Sup. Corrigan, Chief Hillebrand, Paul Kronberger, Chief Coughlin, Chief

Ripp

EXCUSED:

Dave Janda

ABSENT:

OTHERS PRESENT:

John Dejung (PSC), Gary Bell (PSC), Tammy Johnson (PSC)

- 1. Call to Order. Skidmore called the meeting to order at 1:00 p.m.
- Public Comment. Mayor Pfaff introduced Alder Dorothy Krause of Fitchburg.
- 3. Approval of Minutes. Motion by Keiken to approve January 18, 2012 minutes, seconded by Kinkade.
- 4. Director's Report. See attachment
- 5. Operating Practices Committee. Martinez stated there was no February 2012 meeting as there was no agenda. Next meeting still scheduled for March 14, 2012. Dejung also encourage the Chair mention to members to have their representatives attend meetings, especially Dispatch Review and Steering Committee, as quorum is not being met.
- Technology Committee. Lippert stated to see Director's Report for information relating to the committee.
- Discussion and Possible Action On Request For Change Submissions. Dejung submitted a request for change that pertains to Emergency Call taking Protocols. There is no effect on end users. Motion by Hillebrand to approve, seconded by Pfaff. Motion carries.
- Other Business As Authorized By Law. Skidmore stated after elected Chair of this committee, he did a sit a long on the 911 Operations Floor stating it was very educational.
- The next regular meeting of the Public Safety Communications Center Board will be on Wednesday, March 21, 2012 at 1:00 p.m., City/County Building, Room 321.
- 10. Adjournment. Motion by Ripp, seconded by Kinkade. Meeting adjourned at 1:36 p.m.

Respectfully submitted, Tammy Johnson, Recorder.

Note: These minutes are the notes of the recorder and are subject to change at a subsequent meeting of the Board

Page 1 of 1 PSC Center Board Minutes



JOE PARISI County Executive

JOHN DEJUNG, ENP Director

COUNTY OF DANE Public Safety Communications

City-County Building, Room 109 210 Martin Luther King, Jr. Boulevard Madison, Wisconsin 53703-3344 PH: 608/267-3911 • FAX: 608/266-9861

GARY BELL, ENP Operations Manager (608) 267-3912

PAUL LOGAN, RPL Support Services Manager (608) 283-2914

RICH McVICAR, ENP Technical Services Manager (608) 283-2911

An Accredited Center of Excellence

Date:

February 15, 2012

To:

Center Board

From: John Dejung

RE:

February 2012 Director's Report

Support Services:

Happy to report that Support Services staff we able to meet our QA goals for January, and we're on track to do the same in February.

In 2011 Communicators used ProQA to process a large number of incidents -

89.031 - EPD incidents

26,642 - EMD incidents

6,618 - EFD incidents

122,291 - total ProQA incidents processed. (Not the total number of incidents, just those using ProOA.)

QA staff reviewed 4,500 calls, with an average total compliance to protocol score greater than 96%.

Save the date!!

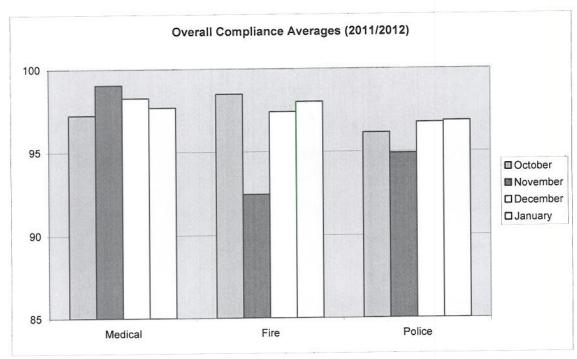
"What is DaneCom"

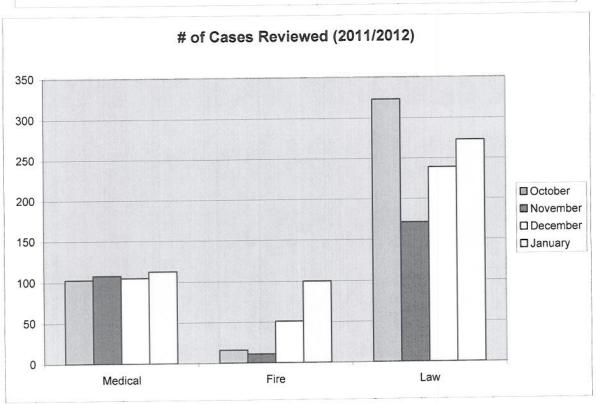
½ day afternoon session on March 15

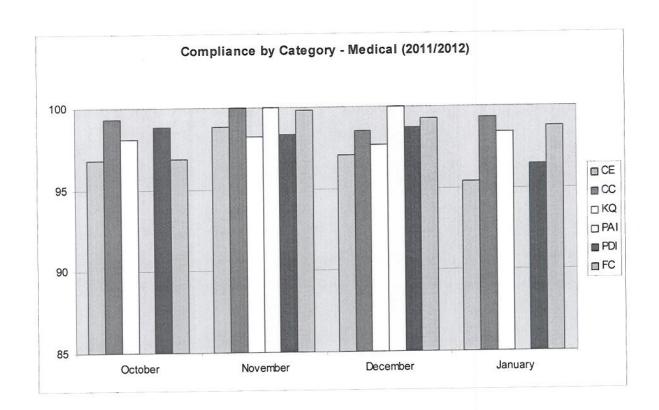
Executive briefing and lunch starts at 1130

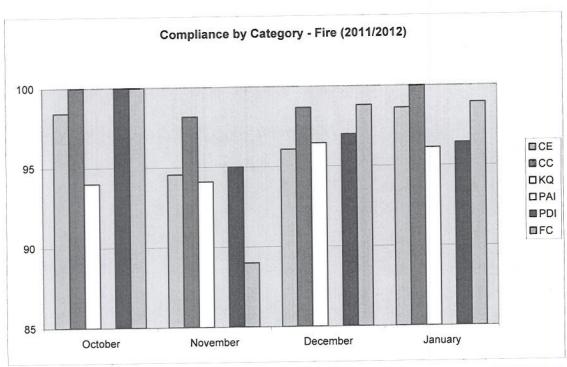
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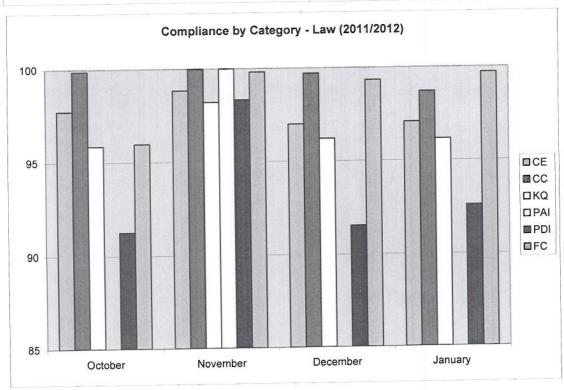
The Alliant Energy Center











- Noteworthy events since our last report (A list of these events has been linked from our home page located at www.dane911.com.)
 - Seven Communicators have been invited to attend the Dane County EMS banquet on February 18. At least four Communicators, Kirstin Alsaker, Marlis Lambson, Tammy Pauley & Deb Wrolstad will attend the banquet, and some of them will have an opportunity to meet the person they helped save! This is a unique opportunity, and we're proud to participate in this annual event.

Deb Wrolstad also was recently cited for 25 years of loyal service to Dane County.

• Communicator Recruitment & Selection:

 Six (4 FTE/2 LTE) Communicators will join the PSC team and begin training on Monday, February 13th.

We are working with Employee Relations to begin a recruitment process later this month in

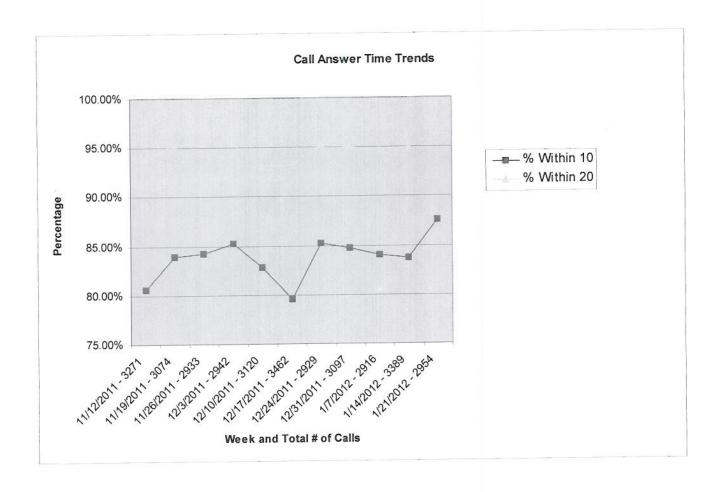
order to establish a fresh eligibility list for future hiring.

 The new PSC Supervisor is former PSC Communicator Candy King. She was selected from a group of excellent PSC candidates. Her duties as Supervisor will commence on February 14..

Operations

- Communicator Staffing levels as of February 15, 2012 are even. Supervisors are now even with authorized strength.
- PSC "catalog of services" (PSC document 2.3.3)
 - No update.
- Separating emergency from non-emergency calls (answer time improvement effort):

Answer time average within 10 seconds remains in the 85-87% range, below the NENA 90%/10s recommendation. The second tier standard, 95%/20s, continues to be met.



Continuity of Operations

PSC staff used backup means to communicate with City of Madison responders on January 30th during a trunked radio system problem. The event identified an opportunity for PSC staff to be more familiar with contingency plans for this system, and we're reaching out to both field user agencies and the radio shop to make sure we have and are training the latest information.

Technical Services

Radio project:

- o Amendment 4 to the Harris contract has been approved...authorizing the repair or rebuilding of the 4 county-owned towers which total about \$900K. This Amendment also crystallized the project timeline extension out to a July of '13 completion date.
- o IGAs (agreeing to cost-sharing of O&M) have been received by all but 1 of the Cities and Villages and all but 3 of the Towns. The County Executive and Board Chairman have

publicly announced (via press release and letters to all member communities) that DaneCom is "on".

o A final draft of the narrowbanding waiver request is being reviewed among the County, Harris, and our respective consultants. Outagamie and Winnebago Counties have submitted waiver requests, as well. Numerous requests from around the country pend at the FCC, with no decisions on any of them yet.

o Harris consultants have identified substitute frequencies that may satisfy local standalone systems' needs and thereby free up some frequencies for DaneCom. Harris engineering staff are reviewing the information this week, and PSC should be able to share this

information with the involved communities in the next week or so.

o Harris engineers and other technicians are in Madison this week to configure and demonstrate the device that will be used to allow communicators to access both the Harris Maestro and Motorola Gold Elite radio consoles.

o Radio System Administrator candidates were interviewed on February 6th with the assistance of Chief Ripp, and a background investigation of the leading candidate should

begin soon.

CAD project

o Mobile acceptance testing was performed the week of January 9, with certain items being added to a list of CAD items requiring further work and testing.

o Paging, station alerting, station printing and E9-1-1 interface testing was performed the week of January 30, discovering relatively few items requiring follow-up. ProQA and several other interface tests are yet to be scheduled.

o We are still waiting on a records interface data model from TriTech, but progress was made

on this last week.

Administration / Other

PSAP Consolidation:

No update.

Before the FEDERAL COMMUNICATIONS COMMISSION Washington, DC 20554

In the Matter of	
)
DANE COUNTY, WISCONSIN)
KAZ666 and others)
Request for Waiver of NarrowBanding)
Deadline, Section 90.209(b)(5))

To: Public Safety & Homeland Security Bureau

REQUEST FOR WAIVER

Dane County, Wisconsin, ("the County") pursuant to Section 1.925 of the Commission's rules¹ and the Commission's *Public Notice*, DA 11-1189 (released July 13, 2011), hereby requests that the Commission waive Section 90.209(b)(5) of its rules² to allow the County and associated "wideband" operations³ to continue until the County completes transition to a new, countywide, narrowband, VHF, Project-25-based interoperable voice radio communications system by the end of 2013. The County requests a one-year extension of the requirement that it operate on channels with a bandwidth of 12.5 KHz or less by January 1, 2013 (the "NarrowBanding deadline").

Dane County is located in southern Wisconsin and is the eighth largest county in the State, with an area of 1,238 square miles. The current population of the County is approximately 488,000 residents. The largest city in Dane County is the City of Madison, which is the State capital, with a population of approximately 233,000. Current voice radio systems utilize the

^{1 47} C.F.R. §1.925.

² 47 C.F.R. §90.209(b)(5).

³ See Exhibit

VHF, UHF, and 800 MHz bands and are linked together with two microwave systems. Public safety agencies also utilize a VHF countywide simulcast tone and voice paging system. There are an estimated 3,200 mobile, portable, and control station radios operating on County VHF radio systems today.⁴

The County requests an extension of the NarrowBanding deadline as it is currently in the process of deploying a new, trunked VHF Project-25 radio system to replace the existing "wideband" radio systems described above. None of the County's current VHF base station radios are narrowband-capable. The new system will include new radios and infrastructure and will be fully compliant with the Commission's narrowbanding rule. However, the system will not be completed in time to meet the January 1, 2013 deadline and the County therefore seeks an extension until December 31, 2013. Because they will participate in operations on the new, countywide, narrowband, VHF, Project-25-based interoperable voice radio communications system, the County requests that this extension apply to all municipalities and their associated licenses as identified in the Exhibit. The County has already taken substantial steps to plan for, initiate, and complete the transition to narrowband operations. The County's Public Safety Communications Technical Committee and a predecessor workgroup have been active since May 2002 in the pursuit of a new system to achieve narrowbanding of the County's VHF system. The Technical Committee, under the direction of the Public Safety Communications Center Board, reviews technology issues and projects pertaining to public safety and forwards recommendations to the Center Board. The Center Board is a policy-proposing body with respect to telecommunications matters and it makes recommendations on system management

⁴ Public safety communications in the County are dispatched by eleven area communications centers, of which the County's Public Safety Communications Center (PSCC) is the largest with 21 dispatch positions. There is also a back-up center for the PSCC with four radio and seven telephone positions located in a fire station in Fitchburg, WI. The majority of 9-1-1 calls in the County are also handled by the PSCC. Over 90 law enforcement, fire, and EMS agencies are dispatched by these centers.

policies for the City of Madison and County communication systems, system replacements, expansions or modifications, additional frequencies and disposition of surplus equipment. The Center Board makes recommendations to the Madison Common Council and Dane County Board of Supervisors on communication matters requiring legislation or budget approval, reviews the schedule of charges for communications services, and makes recommendations on staffing levels on communication systems.

In September 2008, the County released a Request for Proposal (RFP #108083) for a new system and in July of 2009, the County notified Motorola, Inc. and Tyco Electronics that the County intended to award a contract to Motorola upon completion of successful contract negotiations. In November 2009, the County entered into an agreement with Motorola (Agreement #10044) to provide detailed design and other services for the system. As of December 2009, milestones related to site searches and detailed design review engineering were completed, and a milestone related to frequency searches was approximately one-third completed. The project was not completed, but was supplanted by the project described in the following paragraph. The impetus for this change was mainly due to financial constraints caused by the recession.

In September and October of 2010, the Dane County Board of Supervisors and the County Executive approved a resolution (Resolution 88, 2010-2011) endorsing a revised trunked, digital, standards-based emergency radio system proposal that would include NarrowBanding of the County's VHF systems. The revised system includes improvements to coverage, capacity, and reliability, as well as expanded mutual aid interoperability and modernization of the microwave backbone of the system. The resolution also indicated a need to seek cost efficiencies, with the County investing approximately \$18 million in capital. The

Board of Supervisors indicated support for sharing of the operating and maintenance costs, with total municipal shares not exceeding \$825,000 annually. All capital and operating costs – including project costs such as consulting or potential tower site rentals that were unlikely to be provided by proposers - were expected to fit within these expectations. The Resolution required written support from communities representing 70% of the County's population outside the City of Madison during October 2010. Communities representing 79% of the population of Dane County outside the City of Madison approved of the revised plan, and communities representing more than 95% of this population finally signed Intergovernmental Agreements in December of 2011.

Funding for the new system has been secured, and consists of (1) the County borrowing for the infrastructure; secured via capital planning and through an annual capital budget that is approved via committee meetings, public hearing, County Board and Executive action -- and all within state-established levying and other limits; and (2) a combination of County and local tax levy-funded operating budgets and federal government grants for end user radio purchase or upgrade. The County Board has approved the funding (up to \$18M) for the capital improvements. And, both the County and the communities representing about 95% of the population covered by the new radio system have approved the sharing of the operations and maintenance costs with Intergovernmental Agreements saying so. The County is prepared to "cover" the costs of the 5% of the population in communities not approving the Intergovernmental Agreements. The individual user agencies will fund the purchases of the mobile and portable radios required to operate on the new countywide system.

In January 2011 the County notified Harris Corporation and Motorola Solutions, Inc. that the County intended to award a contract for RFP #110100 to Harris Corporation upon

completion of successful contract negotiations. The County approved the contract on February 7, 2011, and payments of approximately \$5M (of the aforementioned \$18M) have thus far been made to Harris Corporation as project milestone payments.

The radio portion of the new system is a large and complex solution that consists of (1) eight simulcast trunking sites with voted receive to achieve in-light-building portable coverage, (2) an eight-frequency mutual aid and interoperability subsystem providing a mix of mobile and portable-on-street coverage, (3) an analog tactical subsystem providing light-in-building coverage in incorporated areas, (4) an outdoor warning siren system talk path, (5) redundant and geographically-separated control equipment, and (6) interoperability equipment to connect to nearby radio systems. This revised communications system infrastructure design will improve capacity, provide countywide portable in-light-building coverage, and provide connectivity between certain talk groups and channels residing on the new VHF and legacy City of Madison 800 MHz trunked systems and between certain talk groups and channels residing on the new VHF and the State's WISCOM trunked systems. The system also includes a 21-position console system in the Public Safety Communications Center with backup dispatch console positions and a very high reliability digital microwave backbone system to link key radio sites together. Because public safety radio users in the County have continued to articulate coverage as a highly important factor, the new system design will provide improved coverage when compared to current systems, particularly in light of losses expected due to narrowbanding. Simply narrowbanding the existing infrastructure would only make worse today's already inadequate coverage. The County has long worked toward an Inter SubSystem Interface (ISSI) connection with the State of Wisconsin's VHF P25 statewide trunking backbone (WISCOM) system.

The County's Final Acceptance of the new system had been set for October 2012. However, difficulties arose regarding: (1) the timely acquisition of appropriate VHF frequencies and associated Letters of Concurrence, (2) design delays due to the addition of expanded infrastructure to meet the specific needs of local municipalities, (3) implementation delays due to the unforeseen need to replace and not simply reuse existing radio towers, and (4) other project slippage such as a half-year delay in preparation and approval of the final design documents. The County now expects that the new system will be completed, and all usage of current "wideband" operations will be discontinued by December 31, 2013.

County staff is active in efforts to implement Wisconsin's Statewide Communications Interoperability Plan and are unaware of any potential negative impact to other licensees as a result of the waiver requested herein.

The following is the proposed timetable for completion of the new system and full compliance with the Commission's NarrowBanding requirements:

Completed - Customer Design Review (CDR): Design approved for physical sites, backhaul network, networking, and VHF System infrastructure.

Completed - Material: Material ordered and in shipping to factory.

5/23/12 - Staging: Assembled, tested and demonstrated in the Harris factory to include site equipment prior to shipping to Dane County.

9/27/12 - Site Development: Site physical construction completed.

2/1/13 - Installation: Radio VHF system hardware and software installed, cabled, configured and optimized.

6/21/13 - Acceptance testing: Functional and coverage testing followed by a 30-day burnin period of the VHF system completed. 6/28/13 - Cutover: Transition of operations to the new VHF system.

7/15/13 - Final acceptance of the narrowband system infrastructure.

12/31/2013 – Transition of all users to new system, including replacement or retuning of mobiles and portables, and full decommissioning of old systems.

Grant of the County's requested waiver will be in the public interest and consistent with both Section 1.925(b)(3) of the Commission's rules and the Commission's *Public Notice*, DA 11-1189 (released July 13, 2011), which provides guidance for satisfying the requirements of Section 1.925 in the context of a waiver of the NarrowBanding deadline. Section 1.925(b)(3) allows the Commission to grant a waiver if it is shown that either: "(i) the underlying purpose of the rules(s) would not be served or would be frustrated by application to the instant case, and that a grant of the requested waiver would be in the public interest;" or "(ii) in view of unique or unusual factual circumstances of the instant case, application of the rules(s) would be inequitable, unduly burdensome or contrary to the public interest, or the applicant has no reasonable alternative."

The NarrowBanding rule is intended to increase efficient use of scarce radio spectrum. The County is fully engaged in the process of deploying a spectrum-efficient, digital, trunked radio system in part to comply with the Commission's rules. Therefore, a waiver would be consistent with the "underlying purpose" of the rule and would be in the public interest, as it would promote improved public safety radio communications and spectrum efficiency. Furthermore, the County has no reasonable alternative. The County's current VHF base station radios cannot be reprogrammed to comply with the NarrowBanding requirement, so the only option available to the County is to replace those radios, which the County is in the process of doing. As noted above, the County has been diligent in its efforts to comply with the rule, and a

new system deployment is currently underway and will be completed by mid-July 2013, but full transition is not expected until the end of 2013. The brief extension requested to complete the new system will have no negative impact and will ultimately serve the public interest.

CONCLUSION

Therefore, for the reasons discussed above, Dane County, Wisconsin, hereby requests a waiver of the Commission's NarrowBanding deadline so the exhibited licensees may operate "wideband" under the listed callsigns (see Exhibit) until the end of calendar year 2013.

Respectfully submitted,

John Dejung

Director, Dane County Public Safety Communications

608-267-1911

EXHIBIT: Callsigns, Licensees, FRNs and Services included in this Waiver request:

Callsign	Licensee	FRN	Service
KIZ510	BELLEVILLE, VILLAGE OF	9068412	PW
WNFR804	BELLEVILLE, VILLAGE OF	11294006	PW
NPMQ389	BELLEVILLE, VILLAGE OF	9068412	PW
(SI448	BLACK EARTH JT FIRE DIST	4795852	PW
(XB403	BLACK EARTH, VILLAGE OF	2680635	PW
WNDP967	BLOOMING GROVE, TOWN OF	8694010	PW
KNCT750	BRISTOL, TOWN OF	6109318	PW
(XT991	BROOKLYN FIRE & EMS PROTECTION DIST	2709848	PW
WNPQ408	BROOKLYN, VILLAGE OF	2680585	PW
WNPB245	CAMBRIDGE, VILLAGE OF	2687952	PW
NPJM622	CAMBRIDGE, VILLAGE OF	4795571	PW
(RD926	CHRISTIANA, TOWN OF	2682128	PW
KGT201	COTTAGE GROVE, VILLAGE OF	4800397	PW
<jj863< td=""><td>COTTAGE GROVE, VILLAGE OF</td><td>4800397</td><td>PW</td></jj863<>	COTTAGE GROVE, VILLAGE OF	4800397	PW
XO710	CROSS PLAINS BERRY FIRE DIST	2702330	PW
WNFM632	CROSS PLAINS, VILLAGE OF	2688117	PW
KAZ666	DANE, COUNTY OF	2683530	PW
KBD334	DANE, COUNTY OF	2683530	PW
CMF914	DANE, COUNTY OF	2683530	PW
KMF916	DANE, COUNTY OF	2683530	PW
KNNU879	DANE, COUNTY OF	2683530	PW
KSH315	DANE, COUNTY OF	2683530	PW
KSI257	DANE, COUNTY OF	2683530	PW
KTT968	DANE, COUNTY OF	2683530	PW
WPFE867	DANE, COUNTY OF	2683530	PW
WPSR724	Dane, County of	2683530	PW
WQGY572	DANE, COUNTY OF	2683530	PW
WQJC796	DANE, COUNTY OF	2683530	PW
WQJT862	DANE, COUNTY OF	2683530	PW
WQLY362	DANE, COUNTY OF	2683530	PW
WQS465	DANE, TOWNSHIP OF	2688950	PW
WQEH239		9879701	PW
KEL399	DEERFIELD JOINT FIRE DEPARTMENT	1682673	PW
KS3205	DEERFIELD, TOWN OF	9743428	PW
WNNN607	DEFOREST, VILLAGE OF	9953514	PW
WQAY605	DEFOREST, VILLAGE OF	9953514	PW
WQLX574	DUNKIRK, TOWN OF	19630383	PW
KQR424	DUNN, TOWN OF	2682060	PW
KNCR229	FITCHBURG, CITY OF	6875926	PW
KXZ380	FITCHBURG, CITY OF	2681948	PW

Callsign	Licensee	FRN	Service
WPKN846	FITCHBURG, CITY OF	6875926	PW
WPWI490	FITCHBURG, CITY OF	6875926	PW
WPYR904	FITCHBURG, CITY OF	6875926	PW
WNYF360	CITY OF FITCHBURG	6875926	PW
WPZY420	MADISON, TOWN OF	2681658	PW
KFI552	MAPLE BLUFF, VILLAGE OF	2690816	PW
WNPM725	MAPLE BLUFF, VILLAGE OF	2690816	PW
KNGX634	MARSHALL, VILLAGE OF	2690758	PW
KNIK273	MARSHALL, VILLAGE OF	2690758	PW
KNBD907	MAZOMANIE, CITY OF	9620584	PW
WNJP219	MAZOMANIE, TOWN OF	2710119	PW
WNSG518	Village of Mazomanie	9620584	PW
WPQF214	MCFARLAND, VILLAGE OF	10582369	PW
KZZ648	MEDINA, TOWNSHIP OF	13430673	PW
KCY236	MIDDLETON, CITY OF	2690717	PW
KSS206	MIDDLETON, CITY OF	2690717	PW
KXZ381	MIDDLETON, CITY OF	2690717	PW
WNVD899	MIDDLETON, CITY OF	4795761	PW
KAR965	MONONA, CITY OF	13037049	PW
WRE627	MONONA, CITY OF	2690683	PW
KTS732	MOUNT HOREB, VILLAGE OF	5226667	PW
WNXI794	MOUNT HOREB, VILLAGE OF	5226683	PW
WQAQ981	MOUNT HOREB, VILLAGE OF	10248607	PW
WQKB229	MOUNT HOREB, VILLAGE OF	18163493	PW
KSH863	OREGON AREA FIRE EMS DISTRICT	2701175	PW
KTX768	OREGON, TOWN OF	13451489	PW
KSL948	OREGON, VILLAGE OF	13393152	PW
KSU508	PLEASANT SPRINGS, TOWN OF	5804182	PW
KNCZ249	PRIMROSE, TOWN OF	2681302	PW
WPBH268	ROXBURY, TOWN OF	7758006	PW
KFM463	SHOREWOOD HILLS, VILLAGE OF	2690121	PW
KQG929	SHOREWOOD HILLS, VILLAGE OF	2690121	PW
KMH692	SPRINGDALE, TOWN OF	2681112	PW
WQGV428	SPRINGFIELD, TOWN OF	2681096	PW
KSB249	STOUGHTON, CITY OF	2684223	PW
KSD474	STOUGHTON, CITY OF	2684207	IG
KUD473	STOUGHTON, CITY OF	2684207	IG
WPYF771	STOUGHTON, CITY OF	2684207	PW
WQBN793		2684207	PW
KNAK364	SUN PRAIRIE, CITY OF	6270219	PW
KSI252	SUN PRAIRIE, CITY OF	6270219	PW
KNGK785	VERONA, CITY OF	2689925	PW

Callsign	Licensee	FRN	Service
KTM783	VERONA, CITY OF	2689925	PW
WNHY572	VERONA, CITY OF	2704765	PW
KNIB555	VERONA, TOWNSHIP OF	9806134	PW
KNFU961	WAUNAKEE COMMUNITY SCHOOLS	2716199	IG
KNFS541	WAUNAKEE COMMUNITY SCHOOLS	2716199	PW
KZF630	WAUNAKEE PW	2689826	PW
KNCT732	WAUNAKEE, VILLAGE OF	2689826	PW
KNNR483	WAUNAKEE, VILLAGE OF	2689826	PW
KX0608	WESTPORT, TOWN OF	2680833	PW
WPQD497	WINDSOR SANITARY DIST NO 1	7533821	PW
WPLZ656	YORK, TOWN OF	8468365	PW