XcelEnergy®

Monticello Nuclear Generating Plant
2807 W County Rd 75
Monticello, MN 55362

Prairie Island Nuclear Generating Plant
1717 Wakonade Drive East
Welch, MN 55089

Limited Participation Plan for

Monticello and Prairie Island Nuclear Generating Plants

Participation on the ARMER Radio System

I. Introduction and Background

Xcel Energy on behalf of the Monticello Nuclear Generating Plant (MNGP) located near Monticello, MN, and Prairie Island Nuclear Generating Plant (PINGP) located near Red Wing, MN, request limited participation plan (LPP) on the Allied Radio Matrix for Emergency Responders (ARMER) Radio System via use of Central Region, Southeast Region, Metro Region and MN Zone talkgroups in the event of a large scale incident or drill/exercise at either plant. In particular, a Hostile Action Based (HAB) event or drill/exercise where large numbers of offsite responders, both regional and state, would need to respond to the plant for an attack by land, water or air as outlined in the *Minnesota Emergency Operations Plan (MEOP)* and Homeland Security and Emergency Management's (HSEM's) *MNGP and PINGP HAB Events Plan Supplements* and Prairie Island Indian Community's, Dakota, Goodhue, Wright and Sherburne County's Emergency Operations Plans. All offsite and onsite plans and response are coordinated in a response to provide reasonable assurance of protection of the health and safety of the public.

Federal Emergency Management Agency (FEMA) and Nuclear Regulatory Commission (NRC) regulation require the offsite and onsite, respectively to have multiple redundant forms of communications in the event of a plant declared emergency classification level. Currently telephone, Xcel Energy's 800MHz radio system, and satellite phone are utilized. Like the analog system, the new digital system talk group will have radios programmed in PINGP's Dakota, Goodhue, Pierce Counties and MNGP's Wright and Sherburne Counties for use by dispatchers and Emergency Operations Centers (EOC) in the event that phone communications are lost. Wright and Goodhue Counties also has the capability to patch a couple of Xcel Energy talkgroups with Wright and Goodhue County talkgroups respectively. However, in the event the Xcel Energy radio system is compromised or multiple talkgroups are needed for a large response involving fire, EMS and law enforcement from multiple counties, State Patrol and FBI as outlined in the HSEM's *MNGP and PINGP HAB Events Plan Supplements*, the Xcel Energy radio system would not allow for wide- scale interoperability with response organization coming onsite.

Xcel Energy owns and operates MNGP and PINGP as well as other electrical generating companies. The request of this LPP is only for the use of only MNGP and PINGP to have a plan on ARMER. No other Xcel Energy owned facilities are requesting participation on ARMER.

II.   Plan Elements

A. System Details

In 2014, Xcel Energy is upgrading radio systems at MNGP and PINGP to go from an Xcel Energy owned 800MHz analog system to an 800MHz digital system that can be interoperable with the ARMER Radio System. A new Motorola Solutions Astro25 system is replacing the 800MHz SmartNet trunking system in its entirety. None of the parts or equipment from the old Motorola SmartNet System will be utilized by the new ASTRO 25 System and all hand-held radios will be replaced.

The new plant radio system at MNGP is a diverse system centered on the Motorola ASTRO 25 Master Site trunking electronics owned by Xcel Energy and located at the Xcel Energy's SherCo station. The Master Site is the central point for all system traffic in each ASTRO 25 zone. Call processing and system management occur at the Master Site. Use of trunking allows a large number of independent talkgroups to use four licensed frequencies using one licensed control channel. The radio is a repeater-based system and uses antennas located on various MNGP buildings and the microwave tower. In-plant Radiax "Leaky Coax" antenna system extends radio coverage inside various MNGP's buildings.

The new plant radio system at PINGP is a diverse system centered on the Motorola ASTRO 25 Master Site trunking electronics owned by Xcel Energy and located at PINGP. Call processing and system management occur at the Master Site. Use of trunking allows a large number of independent talkgroups to use four licensed frequencies using one licensed control channel. The radio is a repeater-based system and uses antennas located on various PINGP buildings and the microwave tower. In-plant Radiax "Leaky Coax" antenna system extends radio coverage inside various PINGP's buildings.

The radio coverage and functionality of the new radio equipment will be equal to the old one. The system will preserve existing coverage, RF channel distribution, and use of licensed frequencies. Two new licensed frequencies will be used in the UHF and VHF bands.

In addition to the main trunking system, there are three (3) new digital conventional base repeaters on the 800MHz, UHF and VHF bands. These three repeaters are separate and independent to the main radio system and reduce the threat of radio jamming. Radio communications on

all three bands (800MHz, UHF and VHF) will be possible with the use of HARRIS Unity XG100P multi-band radios instead of Motorola radios. Motorola radios will be able to communicate only on the 800MHz band. This system also functions as the main radio when the normal 800MHz ASTRO 25 trunking system is not available for communications. This system provides defense-in-depth for communications systems

For MNGP, there are six (6) MCC 7500 IP Dispatch Consoles located in Security's Central Alarm Station (CAS) and Secondary Alarm Station (SAS), Technical Support Center (TSC), Control Room, Simulator, and the Emergency Operations Facility (EOF) connected in a standalone network. For PINGP, there are seven (7) MCC 7500 IP Dispatch Consoles located in Security's CAS and SAS, TSC, Alternative TSC located at the Red Wing Service Center in Red Wing, Control Room, Simulator, and the EOF connected in a standalone network. Each of these locations is an Emergency Response Facility (ERF) utilized during a large scale emergency. This stand-alone network consists of a LAN switch connecting all radio equipment via fiber optics and UTP cables. Radio operators have various command and control capabilities of the system via the MCC 7500 dispatch consoles. For MNGP, dispatch console operators communicate in the trunking system via redundant paths on a direct T1 connection to SherCo or via interphase units (consolettes) located in the MNGP microwave tower. Radio users communicate in the trunking system via Motorola APX 4000 hand-held radios. Security personnel will not have Motorola radios but instead will use Harris brand radios. The encrypted Harris radios will be able to communicate on the new ASTRO 25 Trunking system as well as on all three of the Multi-Band Radio frequencies. The radio system functionality as described above is shown in Figure 1.

Figure 1: Radio System Functionality

Figure 1: Radio System Functionality
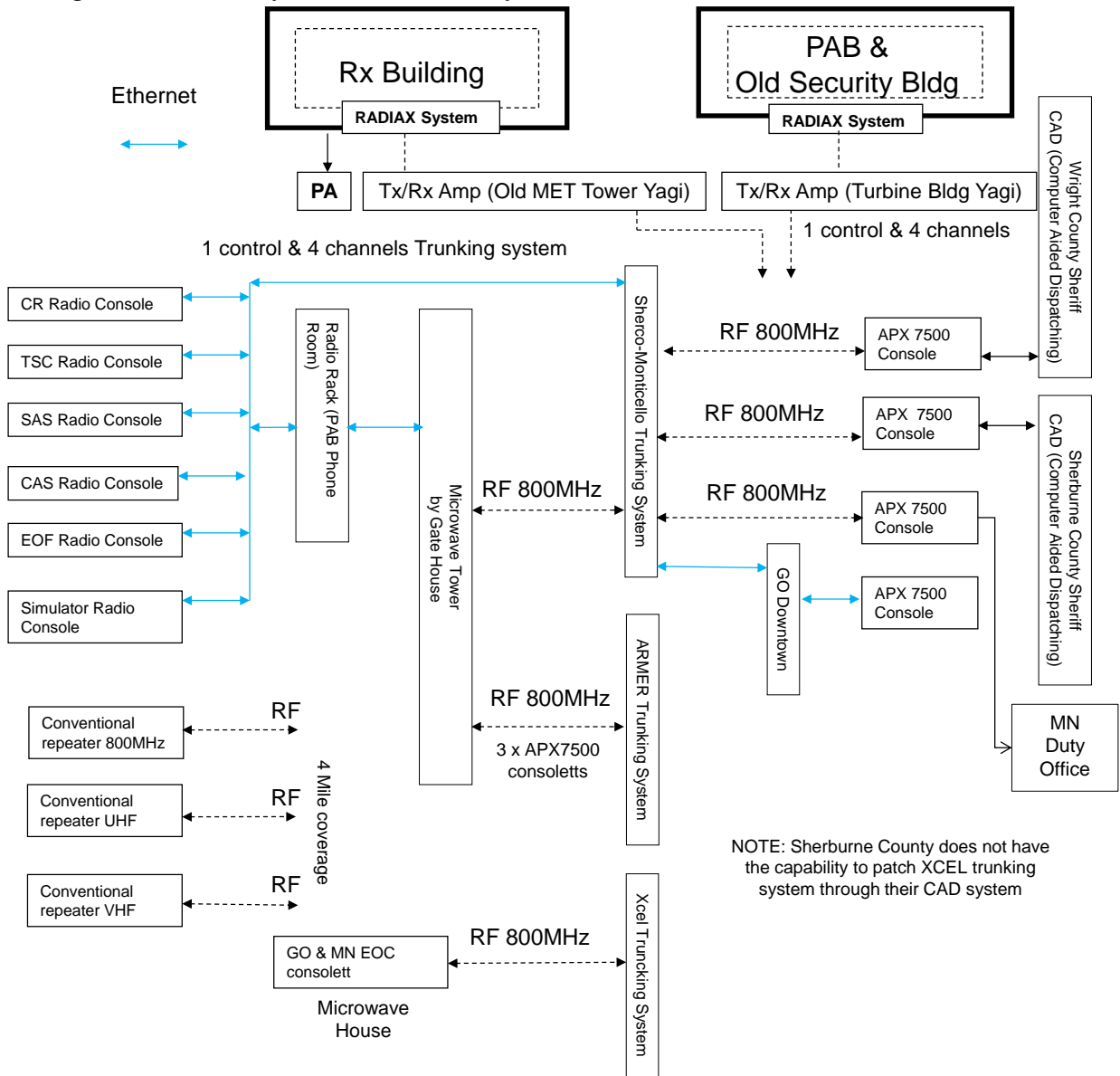
B. Off-Site Radio Communications

For MNGP, Console radio communication with offsite emergency centers is achieved through the SherCo trunking system and the Metro-link (MTI) radio systems as displayed in Figure 1. For PINGP, Console radio communication with the offsite emergency centers is achieved through the PINGP trunking system and the Metro-link (MTI) radio systems.

The MNGP and PINGP MTI talkgroup allows console communication via the Metro-Link Radio System. Emergency centers located further than ten (10) miles away from SherCo and PINGP can be reached with the Metro-link Radio System. These agencies are the Xcel Energy System Control Center Dispatcher, Backup EOF at Xcel Energy General Office, MN Duty Officer and MN Emergency Operations Center.

Consoles communicate with Wright and Sherburne County using the talkgroup EOC (channel 5) and the SherCo trunking system.

Consoles communicate with the Prairie Island Indian Community via Treasure Island Resort and Casino Security Dispatch, Goodhue, Dakota and Pierce Counties using the talkgroup EOC and the PINGP trunking system.

Consoles communicate with Emergency Planning (EP) handheld radios using the RAD talkgroup (channel 4). This talkgroup is used for communications during an emergency event. In a situation where a release has occurred the radiation protection monitoring teams will need to be doing off-site monitoring of plume radiation levels. The evacuation site coordinator, rad protection field teams, TSC, and EOF will all communicate using the RAD team band within the 10-mile EPZ.

C. Area of Requested ARMER Operation

MNGP and PINGP are requesting the use of the ARMER talkgroups as determined by the county the plant is located in the 10-mile Emergency Planning Zone surrounding the nuclear power plant as shown in Figure 2 for MNGP and Figure 3 for PINGP.

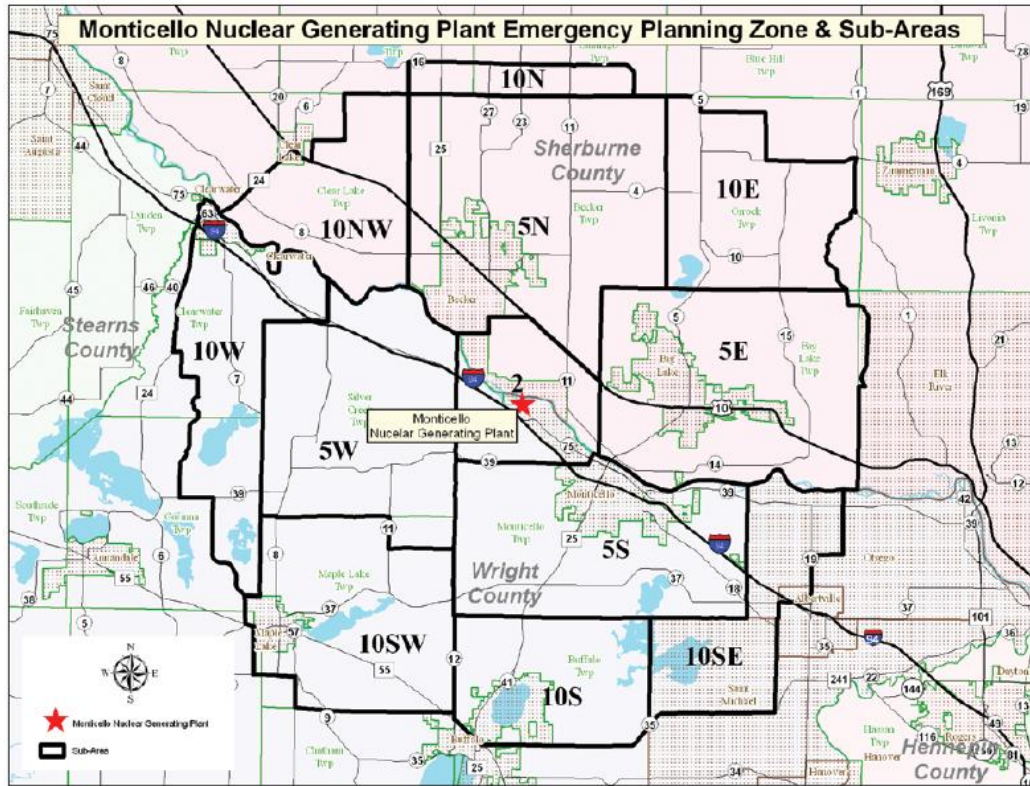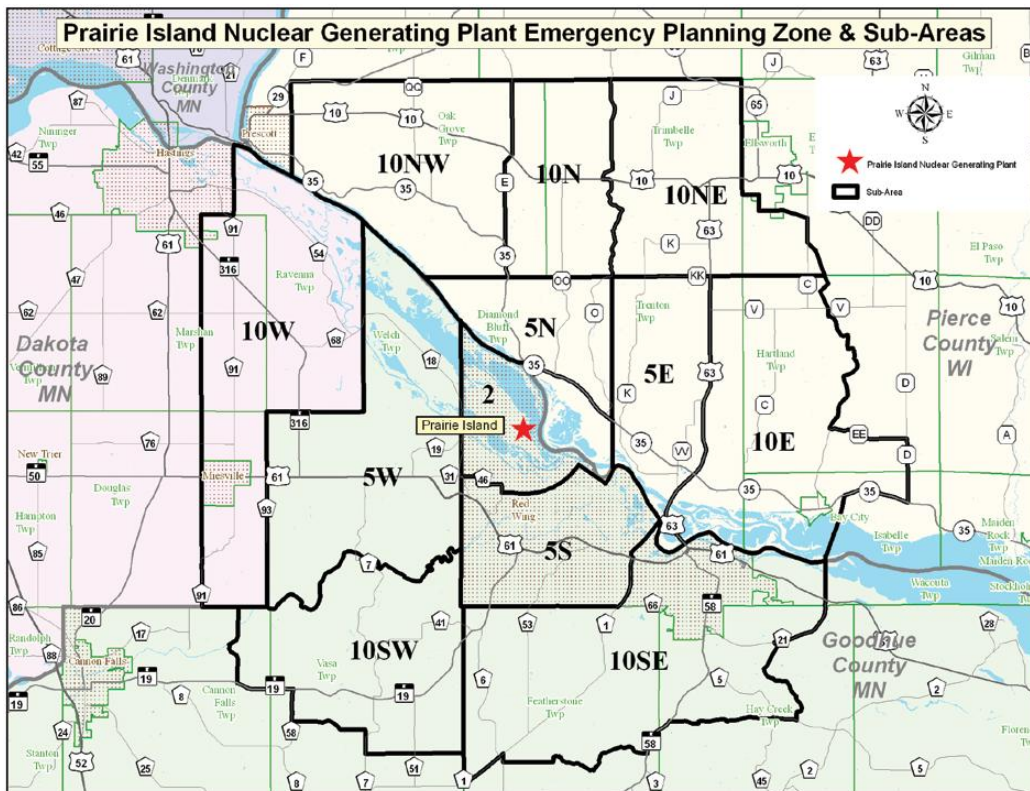Figure 2: MNGP 10-Mile Emergency Planning Zone

Figure 3: PINGP 10-Mile Emergency Planning Zone

D. Radio Frequency (RF) Site Additions

No RF site additions to the existing ARMER site complement are planned for the request Xcel Energy is submitting under this LPP. There are 4 ARMER tower sites in Wright County and 4 ARMER tower sites in Sherburne County. There are 4 ARMER tower sites within 10-miles of PINGP in Goodhue County and 3 ARMER tower sites within 15-miles of PINGP in Dakota County. Pierce County is located in Wisconsin and is not on the ARMER system, however, Goodhue County has their talkgroups within dispatch and can patch to their VHF frequency.

E. ARMER Channel Additions

No RF channel additions to the existing ARMER site complement are planned for the request Xcel Energy is submitting under this LPP.

F. Equipment Additions

No equipment additions to the existing ARMER site complement are planned for the request Xcel Energy is submitting under this LPP.

G. Frequency Plan

No changes to the ARMER 800MHz frequency plan are planned for the request Xcel Energy is submitting under this LPP.

H. Subscriber Radios

Xcel Energy would like to request the use of its own subscriber IDs for 434 radios on ARMER for both MNGP and PINGP as outlined below. Xcel Energy understands it will need to provide annual training and annual number of subscriber IDs to OTC.

MNGP would like to request the maximum number of radios on the MNGP system for a large scale disaster as previously mentioned. Not all 192 radios proposed below would be utilized for an incident, but to prevent not obtaining the correctly programmed interoperable radio in a response, we'd like to request to install the ARMER talkgroups into every radio onsite. Below is the list of all desired onsite radios that could potentially

be used in an emergency. The following new subscriber radio IDs are being requested for this LPP:

1. Security's 100 portable and 10 mobile Harris Unity XG100P radios include both DES and AES encryption. The radios include both DES and AES encryption
2. Sixty-five (65) non-security portable radios-Motorola APX 4000 radios to include 6 for the MNGP Fire Brigade and 6 for the City of Monticello Fire Department
3. Two (2) Emergency Planning mobile vehicle radios with Harris XF100M radios
4. Three (3) Motorola APX 7500 consolettes for the ARMER system communication located in the Microwave building

All Harris radios will be programmed by Harris. All Motorola radios will be programmed by Granite Electronics.

MNGP is not requesting ARMER to provide conventional channel gateway (CCGW) as MNGP's radio system provides for it.

PINGP would like to request the maximum number of radios on the PINGP system for a large scale disaster as previously mentioned.   Not all 242 radios proposed below would be utilized for an incident, but to prevent not obtaining the correctly programmed interoperable radio in a response, we'd like to request to install the ARMER talkgroups into every radio onsite. Below is the list of all desired onsite radios that could potentially be used in an emergency. The following new subscriber radio IDs are being requested for this LPP:

1. Security's 70 portable and 3 mobile Harris Unity XG100P radios include both DES and AES encryption. The radios include both DES and AES encryption
2. One hundred fifty-seven (157) non-security portable radios-Motorola APX 4000 radios
3. Nine (9) Emergency Planning mobile vehicle radios with Harris XF100M radios
4. Three (3) Motorola APX 7500 consolettes for the ARMER system communication located at PINGP.

All Harris radios will be programmed by Harris. All Motorola radios will be programmed by Granite Electronics.

PINGP is not requesting ARMER to provide conventional channel gateway (CCGW) as PINGP's radio system provides for it.

I. Consoles

Consolette radios are stationed throughout the plant (Control Room, TSC, CAS, SAS, Simulator and EOF) to communicate with local handheld radios and off-site resources. Under normal and emergency conditions the existing console stations communicate through the Microwave consolettes and mounted directional antennas to the SherCo repeater for MNGP. Console radios communicate with emergency facilities further than 10 miles away from the site using the Xcel Energy Metro-Link Radio System (MTI). The MTI radio system is the Xcel Energy's Radio system back-bone.

Once approved by Regional Radio Board and State Radio Board, MNGP's ARMER enabled console will connect to talkgroups and the ARMER Central and MN Zone talkgroups via towers located in Wright and Sherburne Counties.

Once approved by Regional Radio Boards and State Radio Board, PINGP's ARMER enabled console will connect to talkgroups and the ARMER Southeast, Metro and MN Zone talkgroups via towers located in Goodhue and Dakota Counties.

Console Equipment:
Console Manufacturer-Motorola
Console Model-MCC7500
Console Positions-3 Located in Microwave Building at MNGP and 3 Located at PINGP
Console Installation Location-Monticello Nuclear Generating Plant, 2807 W County Rd 75, Monticello, MN 55362 and Prairie Island Nuclear Generating Plant, 1717 Wakonade Drive East, Welch, MN 55089

All Harris radios will be programmed by Harris. All Motorola radios will be programmed by Granite Electronics.

J. Talkgroups and Preliminary Fleet Map

MNGP is requesting use of ARMER talkgroups on the Central and MN Zones as determined by Wright County in the event of an emergency or drill/exercise.

These zones and interoperable talkgroup IDs for the various radios listed above are shown in Tables 1, 2 and 3 at the end of this document.

PINGP is requesting use of ARMER talkgroups on the Southeast, Metro and MN Zones as determined by Goodhue County in the event of an emergency or drill/exercise.

Xcel Energy seeks authorization to access the above mentioned local, regional and state talkgroups and interoperable communications resources (e.g. STACs, regional TACs, etc.).

K. CyberSecurity Requirements

The radio equipment has been identified as a critical digital asset. Currently the classification of all the Trunking Radio equipment: Cyber Security Level 2 for Emergency Planning and Cyber Security Level 3 for Security.

L. Software Quality Assurance (SQA) Program

The new system will have software and firmware. This new software will be entered into the Software Quality Assurance Program.

Two laptops are available for both the Trunking and the Multiband radio system to store necessary software and configuration files. Control of these laptops shall be done in accordance with the portable computing devices processes and procedures .

One laptop with all the installation codes will be housed in MNGP in a locked location where only a Granite Electronics technician with ARMER System Administration training or a plant ARMER System Administrator trained to perform radio changes will upgrade the system. No network management client has been planned for MNGP.

One laptop with all the installation codes will be housed in PINGP in a locked location where only a Motorola technician with ARMER System Administration training or a plant ARMER System Administrator trained to perform radio changes will upgrade the system. No network management client has been planned for PINGP.

M. Contingency and Backup

Xcel Energy has backup facilities for the TSC, Alternative TSC and EOF. In the event that the consolettes at the emergency facilities fail, portable radios can be used.

N. Connectivity

Connectivity to ARMER will be achieved via a point-to-point link from ARMER sites located in Wright, Sherburne, Goodhue and Dakota Counties.

O. Training Plan

Prior to production use of the MCC 7500 consoles, APX 7500, APX 4000, APX 4500, and Harris Unity XG100P and Harris XF100M all MNGP and PINGP emergency responders and users utilizing the equipment will engage a qualified trainer (s) to properly orient authorized personnel on the use of the ARMER radio resources and appropriate ARMER processes/procedures.

MNGP and PINGP are procedure driven sites where all emergency response actions taken are driven through procedure use and adherence. With our current system, people are directed to select a specific talkgroup when communicating for specific purposes.

P. Interoperability and Proposed ARMER Access Process

Once MNGP or PINGP declares an Emergency Classification Level (ECL) of Alert, Site Area Emergency or General Emergency, 15-minute notifications are made to the MN Duty Officer, Wright and Sherburne County Dispatch Centers for MNGP and MN Duty Officer, Goodhue, Dakota and Pierce Counties, WI Duty Officer and the Casino Security Dispatch for PINGP. MNGP can request assignments from Wright County

ARMER talkgroups for the event and PINGP can request assignments from Goodhue County ARMER talkgroups for the event. Wright and Goodhue Counties assign talkgroups based on response of law enforcement, fire and/or EMS response to MNGP and PINGP, respectively. MNGP and PINGP understand the requirement for plain language when communicating with the offsite. This is one requirement the sites have to demonstrate with communicating for a HAB event.

Once the Regional Radio Board(s) and State Radio Board approve MNGP and PINGP for ARMER access, Xcel Energy will coordinate drills utilizing ARMER with Wright and Goodhue Counties. Wright and Goodhue Counties will request the specific drill talkgroups via the status board.

MNGP and PINGP run quarterly drills, but not all quarterly drills involve the large scale response necessary. For MNGP, on even years, the onsite quarterly drills would not involve use of ARMER as there are not large-scale drills planned for any even year. In 2015 for MNGP, there will be a Federal Emergency Management Agency (FEMA)-evaluated HAB exercise and possibly 3-4 pre-drills prior to the evaluated exercise testing multiple responses from local, state, and FBI law enforcement, EMS and Fire. After 2015, this type of large-scale drill will not have to be evaluated for another 8 years. PINGP has the HAB exercise in July 29, 2014 and the new radio system will be installed, tested and used after this exercise. PINGP's frequency of drills is the same as MNGP (i.e. quarterly and an 8-year cycle), but the evaluated exercises fall on the even years.

Q. Maintenance

The console will be under warranty maintenance with Motorola. After completion of the warranty period, Xcel Energy will review console maintenance options. For MNGP, installation support and local emergency response during warranty period will be provided by Granite Electronics, 535 North 31st Avenue, St. Cloud, MN. For PINGP, installation support and local emergency response during warranty period will be provided by Whitewater Wireless, 1929 2nd Street SW, Rochester, MN.

All communication MC7500s will receive backup power from auto-start generator and UPS systems. The new system has an addition of UPS-

battery system for full power backup of PINGP Microwave House radio equipment.

As the state updates the ARMER system, Xcel Energy has the responsibility for the cost and compliance to upgrade the radios owned by Xcel Energy.

R. Cutover Schedule

MNGP's and PINGP's existing radio system will remain in-service until the new console equipment is installed, tested, and staff has been trained in its use as explained in the Engineering Change. ARMER talkgroups requested in this LPP will be programmed once regional and state ARMER talkgroups have been approved by the Regional Radio Boards and State Radio Board.

S. Contact Information

Questions for this plan may be directed to:

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Xcel Energy
Emergency Preparedness Coordinator
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Minneapolis, MN 55401
(651) 334-9997
amy.hass@xenuclear.com

Zone	MNGP Zone	CM Zone	MN Zone	CV Zone
	Table 1: MNGP Interop 800 MHz Talk Group Layout Map for APX Portables/Mobile Radios			
TLKGRP 1	Operations	CM-CALL	STAC 1	8CALL 90
TLKGRP 2	Outplant	CM-2	STAC 2	8CALL90D
TLKGRP 3	Field Teams	CM-3	STAC 3	8TAC91
TLKGRP 4	Plant Helpers	CM-4	STAC 4	8TAC91D
TLKGRP 5	Maintenance Plant	CM-5	STAC 5	8TAC92
TLKGRP 6	Maint Yard	CM-6	STAC 6	8TAC92D
TLKGRP 7	Electricians	CM-7	STAC 7	8TAC93
TLKGRP 8	I&C	CM-8	STAC 8	8TAC93D
TLKGRP 9	Leak Rate Test	CM-9	STAC 9	8TAC94
TLKGRP 10	Security 1	CM-10	STAC 10	8TAC94D
TLKGRP 11	Security 2	CM-11	STAC 11	SOA1
TLKGRP 12	Drill	CM-12	STAC 12	SOA2
TLKGRP 13	Construction 1			SOA3
TLKGRP 14	Construction 2			SOA4
TLKGRP 15	Construction 3			FSOA1
TLKGRP 16	County EOC, EPlan 1, EPlan 2			FSOA2

Zone	MNGP Zone	CM Zone	MN Zone	CV Zone
Table 2: MNGP Interop 800 MHz Talk Group Layout Map for Harris Portables/Mobile Radios				
TLKGRP 1	Security 800-Security 1	CM-CALL	STAC 1	8CALL 90
TLKGRP 2	Security 800-Security 2	CM-2	STAC 2	8CALL90D
TLKGRP 3	Security UHF	CM-3	STAC 3	8TAC91
TLKGRP 4	Security VHF	CM-4	STAC 4	8TAC91D
		CM-5	STAC 5	8TAC92
		CM-6	STAC 6	8TAC92D
		CM-7	STAC 7	8TAC93
		CM-8	STAC 8	8TAC93D
		CM-9	STAC 9	8TAC94
		CM-10	STAC 10	8TAC94D
		CM-11	STAC 11	SOA1
		CM-12	STAC 12	SOA2
				SOA3
				SOA4
				FSOA1
				FSOA2

	Folder 1	Folder 2	Folder 3	Folder 4
Table 3: MNGP Interop 800 MHz Talk Group Layout Map for MCC-7500 Consoles				
TLKGRP 1	Security 1	Outplant	Backup County EOC	ARMER Central Zone Talkgroups
TLKGRP 2	Security 2	Plant Helpers	Backup Operations	ARMER MN Zone Talkgroups
TLKGRP 3	Operations	Maint Plant	Backup Field Team	ARMER CV Zone Talkgroups
TLKGRP 4	Field Team	Electricians	Backup Security 1	
TLKGRP 5	County EOC	I&C	Backup Security 2	
TLKGRP 6	GO and MN SEOC	Leak Rate Test		
TLKGRP 7		Drill		
TLKGRP 8		Construction 1		
TLKGRP 9		Construction 2		
TLKGRP 10		Construction 3		
TLKGRP 11		EPLAN1		
TLKGRP 12		EPLAN2		

	PINGP Zone	GD	SE Zone	Metro	MN Zone	CV Zone
TLKGRP 1	Operations	GD FEMAIN	SE-CALL	METAC 1	STAC 1	8CALL 90
TLKGRP 2	Outplant	RW HOSP	SE-2	METAC 2	STAC 2	8CALL90D
TLKGRP 3	Field Teams	GD OPS 7	SE-3	METAC 3	STAC 3	8TAC91
TLKGRP 4	Plant Helpers	GD OPS 8	SE-4	METAC 4	STAC 4	8TAC91D
TLKGRP 5	Maintenance Plant	GD OPS 9	SE-5	METAC 5	STAC 5	8TAC92
TLKGRP 6	Maint Yard	GD OPS 10	SE-6	METAC 6	STAC 6	8TAC92D
TLKGRP 7	Electricians	GD OPS 11	SE-7	METAC 7	STAC 7	8TAC93
TLKGRP 8	I&C		SE-8	METAC 8	STAC 8	8TAC93D
TLKGRP 9	Leak Rate Test		SE-9		STAC 9	8TAC94
TLKGRP 10	Security 1		SE-10		STAC 10	8TAC94D
TLKGRP 11	Security 2		SE-11		STAC 11	
TLKGRP 12	Drill		SE-12		STAC 12	
TLKGRP 13	Construction 1					
TLKGRP 14	Construction 2					
TLKGRP 15	Construction 3					
TLKGRP 16	County EOC, EPlan 1, EPlan 2					

Table 4: PINGP Interop 800 MHz Talk Group Layout Map for APX Portables/Mobile Radios

	PINGP Zone	GD	SE Zone	Metro Zone	MN Zone	CV Zone
						Table 5: PINGP Interop 800 MHz Talk Group Layout Map for Harris Portables/Mobile Radios

	PINGP Zone	GD	SE Zone	Metro Zone	MN Zone	CV Zone
TLKGRP 1	Security 800-Security 1	GD LMAIN 1	SE-CALL	METAC 1	STAC 1	8CALL 90
TLKGRP 2	Security 800-Security 2	GD LMAIN 2	SE-2	METAC 2	STAC 2	8CALL90D
TLKGRP 3	Security UHF	GD CMN	SE-3	METAC 3	STAC 3	8TAC91
TLKGRP 4	Security VHF	GD FEMAIN	SE-4	METAC 4	STAC 4	8TAC91D
TLKGRP 5		GD EOC	SE-5	METAC 5	STAC 5	8TAC92
TLKGRP 6		RW HOSP	SE-6	METAC 6	STAC 6	8TAC92D
TLKGRP 7		GD OPS 7	SE-7	METAC 7	STAC 7	8TAC93
TLKGRP 8		GD OPS 8	SE-8	METAC 8	STAC 8	8TAC93D
TLKGRP 9		GD OPS 9	SE-9		STAC 9	8TAC94
TLKGRP 10		GD OPS 10	SE-10		STAC 10	8TAC94D
TLKGRP 11		GD OPS 11	SE-11		STAC 11	SOA1
TLKGRP 12		GD 911	SE-12		STAC 12	SOA2
TLKGRP 13		PIERCE 911				SOA3
TLKGRP 14		DAKOTA911				SOA4
TLKGRP 15						FSOA1
TLKGRP 16						FSOA2

	Folder 1	Folder 2	Folder 3	Folder 4
TLKGRP 1	Security 1	Outplant	Backup County EOC	ARMER South East Zone Talkgroups
TLKGRP 2	Security 2	Plant Helpers	Backup Operations	ARMER Metro Zone Talkgroups
TLKGRP 3	Operations	Maint Plant	Backup Field Team	ARMER MN Zone Talkgroups
TLKGRP 4	Field Team	Electricians	Backup Security 1	
TLKGRP 5	County EOC	I&C	Backup Security 2	
TLKGRP 6	GO and MN SEOC	Leak Rate Test		
TLKGRP 7		Drill		
TLKGRP 8		Construction 1		
TLKGRP 9		Construction 2		
TLKGRP 10		Construction 3		
TLKGRP 11		EPLAN1		
TLKGRP 12		EPLAN2		

Table 6: PINGP Interop 800 MHz Talk Group Layout Map for MCC-7500 Consoles