



IMPORTANT FACTS ABOUT MERA SERVICES

WE'RE CONNECTED FOR YOUR SAFETY:

All Marin County public safety agencies can communicate through MERA, including police departments, fire departments, public works departments, animal control, transportation agencies and parks departments!

MERA MEMBERS:

- County of Marin
- City of Belvedere
- Town of Corte Madera
- Town of Fairfax
- City of Larkspur
- City of Mill Valley
- City of Novato
- Town of Ross
- Town of San Anselmo
- City of San Rafael
- City of Sausalito
- Town of Tiburon
- Bolinas Fire Protection District
- Central Marin Police Authority
- Inverness Public Utility Dist.
- Kentfield Fire Protection District
- Marin Community College Dist.
- Marin Municipal Water District
- Marin Transit
- Marinwood Community Services Dist.
- Novato Fire Protection District
- Ross Valley Fire Department
- Southern Marin Fire Prot. Dist.
- Stinson Beach Fire Prot. Dist.
- Tiburon Fire Protection Dist.

PARTNER AGENCIES:

- CHP Dispatch Channels
- Golden Gate National Recreation Area Dispatch
- Golden Gate Transit Dispatch
- National Mutual Aid
- Petaluma Police Dispatch
- Sonoma Sheriff Dispatch
- State Emergency Management
- State Mutual Aid
- US Coast Guard

MISSION:

MERA is a collection of public agencies formed in 1998 to plan, implement and manage a countywide public safety and emergency radio system for the use of all member agencies. MERA provides crucial communications to 25 member agencies, both day-to-day and after a major emergency or natural disaster.

ABOUT:

MERA radio communications is the backbone of the 911 emergency response system. MERA provides the communication link between 911 public safety dispatch centers and public safety units in the field that respond to emergencies. The MERA radio system gives the dispatch centers the ability to assign single or multiple responders (depending on the emergency) within just seconds of receiving a 911 call.

BUDGET:

Annual Operating Budget is \$1,932,154 in FY2018/19.

CHALLENGE:

The system was designed to accommodate 1,580 mobile and portable radios with expansion capacity to 2,500 radios. Today it serves approx. 3,000 radios, which is significantly above the projected total originally anticipated over the 20-year life of the system. The current system is not only more extensively used than expected, it is getting older and we must plan for a replacement system to ensure we can maintain our reliable emergency communications.

SOLUTION:

MERA is planning for a Next Generation communications system that will:

Sustain reliability during 911 emergencies and major disasters

Enhance coverage due to new antenna sites and other improvements

Provide new radios with updated technology for first responders

Improve response times due to hardware and software upgrades

Comply with new Federal regulations taking effect in the next few years

Allow for expanded users and number of channels

Offer regional interoperability in 10 Bay Area counties

FUTURE COST:

Approximately \$40 million, which is financed with a parcel tax supporting bond issuance, that received a two-thirds vote for passage in 2014. Based on our estimates, the cost for a single-family residence is approximately \$2.50 per month. We also included a low-income exemption for seniors and a Citizen's Oversight Committee.



FREQUENTLY ASKED QUESTIONS ABOUT MERA

1. What is MERA?

The Marin Emergency Radio Authority (MERA) is a Joint Powers Authority in Marin County formed in 1998 to plan, implement and manage a countywide public safety and emergency radio system for the use of all member agencies. Twenty-five member agencies use MERA routinely, encompassing every agency dealing with public safety in Marin County. Several other public safety partners also have access to the MERA communication system, including California Highway Patrol, Golden Gate Bridge District, Marin Humane Society, Golden Gate National Recreation Area and the Coast Guard.

2. Can I use it in an emergency?

Yes, you use it every time you call 911. MERA radio communications is the backbone of the 911 emergency response system. However, it is strictly for use by authorized public safety agencies and providers and cannot be used by private citizens. This is meant to ensure enough bandwidth is available during emergencies so lives can be saved in the most severe of disasters, including earthquake, flood or wildfire. MERA provides the communication link between 911 public safety dispatch centers and public safety units in the field that respond to emergencies. The MERA radio system gives the dispatch centers the ability to assign single or multiple responders (depending on the emergency) within just seconds of receiving a 911 call.

3. What challenges does MERA face?

The system was designed in 1998 to accommodate 1,580 mobile and portable radios with expansion capacity to 2,500 radios. Today it serves approx. 3,000 radios, which is significantly above the total that was originally anticipated over the 20-year life of the system. The current system is not only used more extensively than expected, it is getting older and we must plan for a replacement system to ensure reliable emergency communications, both day-to-day and after a major emergency or natural disaster.

4. What would we gain with a Next Generation System?

- Sustained reliability during 911 emergencies and major disasters
- Better coverage due to more tower sites and other improvements
- New radios with updated technology for first responders
- Improved response times due to hardware and software upgrades
- Compliance with new regulations in force in the next few years
- Ability to expand users and number of channels
- Regional interoperability

5. How will the Next Gen Radio System reduce 911 Response Times?

- The Next Gen system will provide upgraded radio network and dispatch console systems with the latest software, with streamlined user interfaces for maximum efficiency
- The Next Gen system will reduce MERA radio user wait times, by adding more capacity and reducing busy signals during major events
- The Next Gen system will reduce emergency response times for some areas of the county with poor coverage, by improving coverage and response
- The Next Gen system simulcast configuration will reduce MERA radio user wait times, by adding more capacity and reducing busy signals during major events

6. Do my tax dollars pay for this service?

With the current system, MERA services are paid by member agencies, which are funded by tax dollars. The funding was designed so that each agency, and by extension each taxpayer, pays their fair share for the services they receive. For the Next Generation system, voters approved a parcel tax paid directly by taxpayers to fund capital improvements. This reduces the immediate impacts a capital plan would have on individual agencies, but member agencies would still have to pay for operating and replacement costs.

7. Can we use parts of the current system with the Next Generation system?

Yes. We intend to re-use as much as we can, but the primary re-use will be structures and tower sites – which is a large capital investment we retain from the first generation of MERA. Much of the technological equipment, however, will be at the end of its life cycle by the time the Next Gen system is up and running. In addition, we need to maintain the current MERA system during construction of the Next Gen system and until all MERA users have completed their transition to the new system.

8. These systems seem expensive. What are the costs based on?

The system is comprised of different parts that work together seamlessly to support our entire public safety communications network. This system supports not a single agency, but 25 member agencies providing cost efficiencies that none of the 25 individual agencies would see if they developed their own systems. The costs emerge from a variety of component pieces, each of which is complex in its own right. One early portion of the project is site development and upgrades, environmental compliance, licensing and leases. The next component is the backbone of the system that includes the radio communication system, site equipment and dispatch consoles. The microwave radio system that connects all of the sites is another portion of the system. Finally, we connect an estimated 3,000 mobile and portable radios that support the police officers, fire fighters and other employees that currently function on the system and provide the services we can all recognize.

9. Why was this particular system chosen as the replacement system?

After years of study and input from every major public safety agency in the county, the consensus was an overwhelming “Yes” to the current proposal. We also had an outside firm review a variety of options (AECOM Report, April 2010) and they identified this Next Gen plan as the best option. Their recommendations were further reviewed by MERA members. Those efforts resulted in the current proposal.

10. How much will this cost?

MERA has developed a replacement project estimated at \$40 million. Funding is from a countywide parcel tax that was passed by voters in November, 2014 that will secure the necessary bond funds.

11. Am I already paying a tax for MERA now, and will this be a new tax?

Prior to the Parcel Tax, there was no special “MERA tax.” The present system is funded by payments from member agencies, with different members paying different amounts according to their population and usage. MERA asked voters to pay a \$29 per year parcel tax to fund the bond for the Next Gen system. This is a new tax, that required a two-thirds vote for passage. In the current budget-tightening environment, it was not practical to ask MERA members (cities and towns)

to somehow find more money they didn't have to pay for the replacement system. Members will continue to fund MERA system operations and maintenance.

12. What if I'm a senior on a fixed income and I can't afford another expense?

Based on our current estimates, we anticipate the cost for a single-family residence to be approximately \$2.50 per month. We have also included a low-income exemption for seniors that must be renewed annually.

13. Will the bond be used to pay for public pension costs?

No. The funds generated by this measure can only be spent for capital purposes, such as construction, communication equipment and towers. Funds cannot be spent for operating purposes such as administration, salaries and pensions.

14. Where is the project today?

After a Request for Proposal, Federal Engineering was selected in August of 2015 to work with MERA on developing the system and in selection of a vendor to build the system. Following a Request for Proposal and negotiations, MERA selected Motorola in February 2017 to build the Next Gen System. As we begin the Fall of 2018, MERA is currently developing a Draft Subsequent Environmental Impact Report that will be publicly released for comment followed by the development of a Final Environmental Impact Report that will, after further public comment, be considered by the MERA Governing Board. Environmental Impact Report info can be found at: <https://www.marincounty.org/depts/pw/divisions/projects/mera>

15. How can I find out more about MERA?

To learn more about MERA, please try our website at: meraonline.org. The website includes our past studies, meeting agendas and minutes, as well as staff reports, budget details, the Next Gen Request for Proposal, MERA newsletters and the Senior Homeowner Low Income Tax Exemption details.

MERA can be reached by mail at:

Marin Emergency Radio Authority
c/o Novato Fire Protection District
95 Rowland Way
Novato, CA 94945

Phone: 415-878-2690

Fax: 415-878-2660

To find out more
information about MERA,
please visit MERA's
website at meraonline.org

