



August 24, 2022

Governing Board Communication

Agenda Item C-1

TO: MERA Governing Board
FROM: Todd Williams - Operations Officer

SUBJECT: MERA System Operations Update - July 2022

MERA Systems Maintenance

July 2022, the Telecommunications Division provided the following support to MERA:

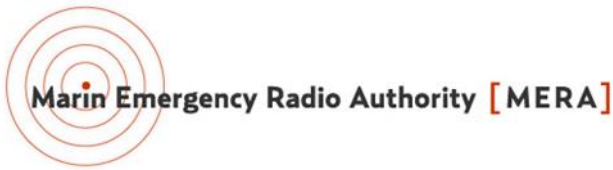
The Bay Hill - Sonoma County MERA microwave site is now experiencing intermittent losses in services. This link was transferred to Sonoma County authority as of mid-summer last year 2021 (the Bay Loop microwave link was also included in this transfer). Service interruptions are now more consistent than ever between the Bay Hill - Sonoma County MERA microwave site.

- Around July 18th the Bay Hill MERA site started dropping services in and out.
- Receive signal losses are continuous day and night. It is estimated that receive signal losses take place about 20 times daily (within a 24-hour period). Weak receive level are odd during clear day light hours.
- Sonoma County solely manages the Sonoma microwave site and equipment; therefore, signal loss alarms and alerts are no longer available to Marin County technicians.
- About 18 months ago, the decision was made to transfer both the Bay Hill Sonoma & Bay Loop microwave services to Sonoma County authority.
- Marin County techs coordinate with Sonoma County techs to trouble shoot these 2 microwave circuits.
- **The Mill Valley alarm monitoring phone circuit has started losing connectivity. Signal loss take place multiple times a day for the last 3-weeks.**



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- AT&T has been trouble shooting this circuit on their equipment end (with no resolve).
- The Radio Shop has also been trouble shooting this circuit on our end (with no resolve); however, intentions are to source replacement parts and swap out components on both local microwave site ends.
- The Mill Valley alarm monitoring circuit is one of many phone lines that AT&T is discontinuing in 2023.

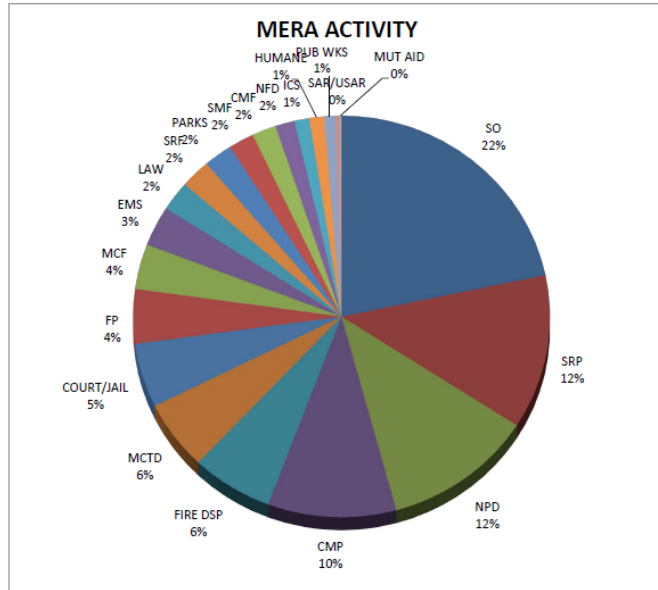


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MERA SYSTEM OPERATION

July	2022		
Agency Grouping	Radio Calls	Call Time	Busy Time
SO	46,834	140:59:09	0:00:00
SRP	29,093	80:42:32	0:00:00
NPD	25,973	75:45:51	0:00:00
CMP	21,124	64:46:29	0:00:00
FIRE DSP	16,223	41:08:31	0:00:00
MCTD	12,104	36:29:53	0:00:00
COURT/JAIL	16,075	33:31:37	0:00:00
FP	10,598	28:25:19	0:00:00
MCF	7,742	23:34:19	0:00:00
EMS	3,126	20:57:37	0:00:00
LAW	5,654	15:32:29	0:00:00
SRF	6,416	15:10:20	0:00:00
PARKS	5,224	14:30:08	0:00:00
SMF	5,074	12:56:20	0:00:00
CMF	4,831	12:10:03	0:00:00
NFD	3,906	9:45:22	0:00:00
ICS	2,628	7:29:10	0:00:00
HUMANE	2,666	7:26:23	0:00:00
PUB WKS	2,372	5:36:25	0:00:00
SAR/USAR	691	2:17:33	0:00:00
MUT AID	157	0:29:24	0:00:00
FIRE MSC	66	0:13:30	0:00:00
SMP	32	0:04:20	0:00:00
OTHER	5	0:00:22	0:00:00
TOTAL:	228,614	650:03:06	0:00:00

Category	Radio Calls	Call Time	Busy Time
LAW TOTAL:	155,383	439:47:46	0:00:00
FIRE TOTAL:	48,075	138:13:35	0:00:00
PUBLIC WORKS TOTAL:	22,333	64:05:58	0:00:00
NON-MERA TOTAL:	2,823	7:55:47	0:00:00
TOTAL:	228,614	650:03:06	0:00:00



MERA SYSTEM OPERATION

Annual	2022		
Agency Grouping	Radio Calls	Call Time	Busy Time
SO	194,670	589:56:34	0:00:00
SRP	161,972	456:21:33	0:00:00
NPD	140,338	398:43:27	0:00:00
CMP	123,570	377:14:24	0:00:00
MCTD	81,258	247:31:47	0:00:00
FIRE DSP	98,491	245:16:21	0:00:01
SMP	75,379	223:23:09	0:00:00
COURT/JAIL	86,337	179:48:55	0:00:00
FP	63,700	174:15:10	0:00:03
EMS	18,272	124:09:07	0:00:00
LAW	38,457	109:29:50	0:00:00
MCF	34,008	105:01:57	0:00:00
SRF	37,617	87:27:34	0:00:00
SMF	32,658	84:30:35	0:00:00
PARKS	27,362	78:21:11	0:00:00
CMF	28,208	72:01:59	0:00:00
NFD	26,256	67:28:34	0:00:01
PUB WKS	14,167	32:19:39	0:00:00
HUMANE	11,374	30:31:20	0:00:00
SAR/USAR	3,348	10:10:01	0:00:00
ICS	1,752	4:34:05	0:00:00
FIRE MSC	432	1:48:39	0:00:00
MUT AID	970	1:44:08	0:00:00
OTHER	343	1:12:32	0:00:00
TOTAL:	1,300,939	3703:22:31	0:00:05

Category	Radio Calls	Call Time	Busy Time
LAW TOTAL:	884,423	2509:13:02	0:00:03
FIRE TOTAL:	279,290	797:54:47	0:00:02
PUBLIC WORKS TOTAL:	124,882	363:59:14	0:00:00
NON-MERA TOTAL:	12,344	32:15:28	0:00:00
TOTAL:	1,300,939	3703:22:31	0:00:05

