

Pleasant Valley Amateur Radio Club Pleasant Valley Telecommunications Advisory Council Update March 15, 2022

Hello All,

I wanted to update you on some of the projects PVARC/PVTAC has been working on over these many months. First, I wanted to let you know and to thank the many folks that have helped with these projects. None of these projects would have been possible or accomplished without the dedication and help of the many volunteers. When you talk or see these people, please express to them a hearty Thank You

Orcutt Ridge March 15, 2025 installed VHF test repeater

W6OEU Wayne Francis
KC6LPE George Ramsey
AC6BR John Cuthbert
WD6EBY Paul Strauss

Orcutt Ridge May 24, 2024 weed abatement

K6MJU Mike Lee
K6YZF Robert Jimenez
N4XRO David Poole
N6LFI Edward Jones
K6AVI Avi Carmi
N6RFI Eric Schwarm
WD6EBY Paul Strauss
Wed Abatement Photos

<https://photos.app.goo.gl/vuXSiM839dmGESJM9>

Sulphur Mtn July 24, 2024 repeater rebuild/controller reprogramming new 5GHz and 10GHz link to South Mtn

K6MJU Mike Lee and his son Theo
W6OEU Wayne Francis
AC6BR John Cuthbert
WD6EBY Paul Strauss

South Mtn July 27, 2024 cabinet foundation

KG6WXC Eric Satterlee
WB6YQN Jay Zatz
W7KI Rich Williamson
KE6MLF Eric Oberg
W6BI Orv Beach
WD6EBY Paul Strauss
Foundation Photos

<https://photos.app.goo.gl/iifhikK5i8fqnfZB8>

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Sulphur Mtn August 5, 2024 power system failure investigation
WD6EBY Paul Strauss

South Mtn-2 locations August 24, 2024

KG6WXC Eric Satterlee
WB6YQN Jay Zatz
W7KI Rich Williamson and his son Lucas
W6RH Rob Hanson
KB6DYJ Eric Beach
WD6EBY Paul Strauss

South Mtn repeater site new 5GHz link to Sulphur Mtn

<https://photos.app.goo.gl/Mt3kbmaoUCLjMX5bA>

South Mtn microwave relay site, cabinet set, temp install 10GHz microwave to Sulphur Mtn

<https://photos.app.goo.gl/A5qTXwYZi7rjadD8>

South Mtn August 30, 2024, repeater controller update/ fix

K6MJU Mike Lee
WD6EBY Paul Strauss

- Just as Sulphur Mtn was plagued with the transmitter's timing out, South Mtn suffered the same issue to a lesser degree. On this day the repeater controller was updated with a new flash-code to eliminate the timeout issue.

Planned projects for the fall of 2024, this is a very aggressive time line

- **South Mtn Relay Site**
 - September 7, 2024, power up electronics cabinet, run CAT6 cable to Sulphur Mtn temp 10GHz dish
 - install a combination of 7 of 5GHz and 10GHz microwave links
 - Install 2 mesh sectors user points
 - Install antennas to support VHF and UHF voting receivers for the Sulphur Mtn repeaters
- **Western Ventura Site**
 - Purchase antennas, construct the VHF/UHF linked repeater systems
 - Prep microwave system
 - Assist site owner in equipment organization, install antennas and feed-lines, install microwave link, 1 day
 - Install linked VHF/UHF radio system, 1 day
 - Install radio repeater systems 1 day
- **Orcurt Ridge**
 - Minor weed cleanup of the compound, some new growth since the May 2024 major weed abatement.
 - Purchase antennas construct the two VHF/UHF linked repeater systems
 - Prep microwave system
 - Install new antennas 1 to 2 days
 - Install radio systems 1 day
- Start construction of the second South Mtn microwave relay site

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Planned projects for 2025

- Purchase the components for the VHF simulcast repeater system. Grant in process. This is a long term project.
 - Instillation of the VHF simulcast repeater system.
- Purchase 10GHz microwave equipment to interconnect City EOC's. This has been a long delayed project.
 - Grant in process. This is a long term project.
- Negotiations underway for four additional 'new to us' radio site locations in Ventura County.

PVTAC/PVARC 2024 milestones

- In addition to all of the above, over the past 6 months, PVTAC/PVARC has secured formal agreements with three new radio site locations and look to have them operational in the first or second quarter of 2025. Time and money will be the key driving forces in building, installing and having these systems operational.
- We received formal test coordination's for our upcoming 2Mtr simulcast repeater system, 144.895 with a plus offset.
- With the South Mtn network connection rerouted to Sulphur Mtn, the South Mtn K6PVR (PVARC's club call) DMR repeater is now in full service. Our frequency has gone through its test coordination period and we look forward to receiving formal coordination. The repeater is on 446.0625 CC3.
- <https://brandmeister.network/?page=device&id=313847>
- Time permitting the repeater's antenna will be updated.

We have accomplished a lot this year and are looking to complete many more projects this year and well into the next two years. We are appreciative of everyone that has volunteered in sporting the PVARC/PVTAC radio systems. Once we have materials in hand and have dates set we will be aggressively looking for volunteers to assist in these projects.

Thank you for your time. If you have any questions please do not hesitate in contacting us.

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