

## Attachment 5

### Justification for Proceeding in Light of New and Ongoing Delays

Justification for Proceeding In Light of New and Ongoing Delays:

The installation of the C-Band radar on Mt. Barnabe is critical to the success of the AQPI project for two reasons. First, having an AQPI radar to cover the region offshore of Marin, Sonoma, and Mendocino counties will greatly enhance situational awareness of the severity of incoming precipitation events and help forecasters more precisely determine where ARs will make landfall, as well as the elevation, speed, width, and direction of travel of ARs. This offshore region is "upstream" of the Bay Area and is often the path of extreme precipitation from the Pacific Ocean to the greater San Francisco region. Further, the National Weather Service NEXRAD radar network cannot observe precipitation well in this offshore area. The Mt. Barnabe C-Band radar's detection of precipitation in the lower elevations typical of ARs would remedy a blind spot of the NEXRAD radar network.

Second, the AQPI radar network was designed as a hybrid system of small X-Band radars and this larger C-Band radar. The X-Band radars provide detailed coverage over small regions of the four quadrants of the Bay Area, and the Mt. Barnabe radar will provide a) an advance view of precipitation approaching from the Pacific Ocean, b) umbrella coverage over the X-Band radars, and c) coverage of gaps between the X-Band radars.

Sonoma Water has requested a no cost time extension with DWR to allow the remaining radars to be constructed and fully operational by March 2026. DWR has agreed to that request and indicated they expect to grant that time extension in the next few months. Sonoma Water needs to extend the durations of our project partners to allow the project to continue successfully.