SUMMARY OF BOARD ITEM

ITEM # 03-5-3: Update on Central California Ozone Study (CCOS) Air Quality Modeling

STAFF RECOMMENDATION: None. Informational Item

DISCUSSION: The Central California Ozone Study (CCOS) was conducted during the summer of 2000. It was timed to coincide with the California Regional Particulate Matter Air Quality Study, a year long effort also conducted in Central California. The CCOS study measured surface and aloft air quality and meteorological data throughout Central California using the latest monitoring methods. Both the ozone study and its particulate matter counterpart were jointly funded with public and private sector funds. The data measured during CCOS are being incorporated into a comprehensive database that is being used in the development of state and federal ozone attainment plans.

Multiple periods of ozone in excess of the federal 1-hour ozone standard were captured during the study. Two of these high ozone periods, or episodes, are currently being simulated for use in the upcoming ozone State Implementation Plan update for the San Joaquin Valley. In addition, the study is funding: a comparison of three state-of-science air quality models; development and analysis of modeling inputs and outputs; and seasonal air quality modeling. Also in progress is a collaborative effort to develop methodologies for assessing transport in the region.

SUMMARY AND IMPACTS: This status report will update the Board on the use of CCOS data and analyses in air quality modeling in support of the San Joaquin Valley's upcoming ozone SIP.