```
! Rich Juricich & Ajay Dev 10/19/1999

! wsi_cvp_sys
! Copied by Dustin Jones 11/15/1999 for use in CVP NOD

!*********************************** DEFINES
*******************************************

/*
The Water Supply Index (WSI) for the CVP SYS is the sum of the beginning
of month storages
(BOM) for Trinity Lake (S1), Shasta Lake (S4), Folsom Lake (S8), and the
CVP-San Luis
Reservoir (S11) and the Forecast of Runoff for the Sacramento River.  The
sum of the CVP Storage
is defined as: WSI_CVP_Storage = S1 + S4 + S8 + S11.

Forecast of Runoff for the CVP NOD is defined as: [ Shasta Lake Inflow
forecast based on the
Sacramento R. component of SRI - Sum of Shasta Lake Inflows (I4) since 1-
OCT ].
*/


! Water Supply Index for Central Valley Project
define WSI_CVP_sys  {
    case MarToMay {
           condition  month >= MAR .and. month <= MAY
           value      WSI_CVP_Storage(-1) + frcst_sac + frcst_amr +
jbypass_del  ! Previous month storage plus forecast inflow
              }
    case JunToFeb {
           condition  always
           value      0 }
              }

define WSI_CVP_sysdv {alias WSI_CVP_sys kind 'water-supply-index' units
'taf'}

define WSI_CVP_SYS_IO  {
    case MarToMay {
           condition  month >= MAR .and. month <= MAY
           value      WSI_CVP_Storage(-1) + frcst_sac + frcst_amr +
jbypass_del + min(SIO_CVP(-1), max_return_cvp)  ! Previous month storage
plus forecast inflow
              }
    case JunToFeb {
           condition  always
           value      0 }
              }

define WSI_CVP_IO_ {alias WSI_CVP_sys_IO kind 'water-supply-index' units
'taf'}
```