

**EXHIBIT SVWU-401**

**TESTIMONY OF SHANKAR PARVATHINATHAN, P.E.**

1. I am a registered civil engineer in the State of California and am employed by the firm of MBK Engineers (MBK). I specialize in water resources modeling.
2. I have more than 15 years of experience in water resources engineering and am an expert in the application of CalSim II to perform Central Valley Project and State Water Project related planning and operations studies.
3. A copy of my resume, which accurately describes my education and experience, is Exhibit NDWA-6.
4. For this hearing, I assisted Walter Bourez in the preparation of exhibit SVWU-402 related to the following topics.
  - a. Modeling Issues Identified in Part 1 Persist in DWR/USBR CWF H3+ Modeling
  - b. March Delta Outflow Criteria in DWR/USBR CWF H3+ Modeling
  - c. Spring Delta Outflow Criteria in Incidental Take Permit for CWF