

New Irvington Tunnel Operations Survey Sunol, California

I. Presenters:

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II. Why operations staff wanted the project – problems the project was intended to solve:

Operations' dependency on Irvington Tunnel One (IT1) has not allowed its inspection and maintenance for decades. A redundant facility was needed

III. Challenges of operating during construction:

Power requirements of the tunnel project briefly posed shortages at treatment and pumping facilities in the Sunol Valley.

IV. How project has affected operations:

The project has afforded the redundancy necessary to perform O&M on IT1 and in fact has initiated it by providing for a state-of-the-art inspection

V. Challenges of operating new facilities:

The new facilities have come online relatively trouble-free; O&M staff always seems to find a need for better control, instrumentation, and access

VI. Lessons Learned from Operations perspective:

- Develop control strategies early in design
- Maximize O&M control, instrumentation, and access In the design of all new water facilities – extra benefits are certain to come of it (good Karma)