

# Portfolio Overview

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**Portfolio 1.1** – A: In lieu recharge of aquifers in Scotts Valley and Soquel areas with a Newell Creek dam raised to support an extended season for in lieu service. B: indirect potable reuse of purified recycled water by pumping it back to Loch Lomond as a fallback should in lieu recharge prove unsuccessful. 8 year trigger. Includes raising Newell Creek Dam and second pipeline.

**Portfolio 1.2** – A: In lieu recharge of aquifers in Scotts Valley and Soquel areas with a reduction of annual carry-over storage from 1 billion gallons to 500 million gallons to support an extended season for in lieu service. B: indirect potable reuse of purified recycled water by pumping it back to Loch Lomond as a fallback should in lieu recharge prove unsuccessful. 8 year trigger. Does not include raising Newell Creek Dam; does include second pipeline.

**Portfolio 2** – A: Aquifer storage and recovery (ASR) with injection wells into the aquifers in Scotts Valley and Soquel areas. B: direct potable reuse of purified recycled water as a fallback should ASR prove unsuccessful. 7 year trigger.

**Portfolio 3** – A: Aquifer storage and recovery (ASR) with injection wells into the aquifers in Scotts Valley and Soquel areas in parallel with creation of a sea water barrier with purified recycled water. B: direct potable reuse of purified recycled water as a fallback should ASR prove unsuccessful. 7 year trigger.

**Portfolio 4.1** – A: Aquifer storage and recovery (ASR) with injection wells in to the aquifers in Scotts Valley and Soquel areas in parallel with desalinated water from DeepWater Desal to use as an accelerator of aquifer recovery. B: desalinated water from DeepWater Desal as a fallback should ASR prove unsuccessful. 11 year trigger.

**Portfolio 4.2** – A: Aquifer storage and recovery (ASR) with injection wells into the aquifers in Scotts Valley and Soquel areas in parallel with desalinated water from a local desal plant to use as an accelerator of aquifer recovery. B: desalinated water from a local desal plant as a fallback should ASR prove unsuccessful. 11 year trigger.

