



City of Beaumont Recycled Water Reuse Strategy Analysis Findings Handouts

March 15, 2022

Hunt Thornton Resource
Strategies



List of Acronyms

- BCVWD – Beaumont Cherry Valley Water District
- City – City of Beaumont
- CEQA/NEPA – California Environmental Quality Act/National Environmental Policy Act
- DDW – State Water Resources Control Board Division of Drinking Water
- FAT – full advanced treatment of recycled water
- IPR – indirect potable reuse (e.g., recycled water recharge to groundwater via surface spreading or subsurface injection)
- LWA – Larry Walker Associates
- MOU – memorandum of understanding
- NPR – non-potable reuse (e.g., recycled water reuse for irrigation, industrial, construction uses, etc.)
- SARWQCB – Santa Ana Regional Water Quality Control Board
- SGPWA – San Geronio Pass Water Agency
- SWP – State Water Project imported water
- Title 22 – California Code of Regulations containing recycled water regulations
- WWTP - Beaumont Wastewater Treatment Plant

Options Summary

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| Option | Uses | | Conveyance and Liability Responsibility | Level of Treatment | |
|--------|-----------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----|
| | Recharge in the Spreading Grounds | Irrigation and other Non-Potable Uses | | Tertiary with 50% RO | FAT |
| 1 | X | | New pump station and pipeline constructed and operated by the City. City and BCVWD likely co-permittees with associated liabilities. | X | |
| 2 | X | | New pump station constructed by BCVWD and disconnection of all existing irrigation connections on the existing non-potable pipeline to spreading grounds. City and BCVWD likely co-permittees with associated liabilities. | X | |
| 3 | X | At BCVWD's discretion | New pump station constructed by BCVWD and use of BCVWD's existing conveyance pipeline to spreading grounds. City responsible for recycled water production only. BCVWD sole permittee responsible and liable for violations for indirect potable and non-potable reuse once recycled water leaves the WWTP. | | X |
| 4 | X | X | New pump station constructed by BCVWD and use of BCVWD's existing conveyance system for non-potable reuse and delivery to spreading grounds. City solely responsible and liable for non-potable reuse. City and BCVWD responsible and liable for indirect potable use. | X | |