

REFINEMENT OPTIONS – QUALITY OF LIFE

The City will not be implementing stormwater management improvements within the Consent Decree capital program, therefore the quality of life evaluation is based primarily on the benefits and impacts of the increasing percentage of separation.

Quality of Life Benefits Associated with Increasing Percentage of Separation

| Refinement Option | Percentage of Separation | CSO Facilities | Annual Volume of Wastewater Discharged to CSO & Miles to Rivers | West CSO Pumping and Treatment Capacity | East CSO Pumping and Treatment Capacity | Quality of Life Ranking Best to Worst |
|------------------------------|---------------------------------|-----------------------|--|--|--|--|
| Authorized CSO Remedial Plan | 27% | 6 | 50 MG & 40 miles | 100 MGD | 60 MGD | |
| Refinement Option No. 1 | 27% | 4 | 36 MG & 34 miles | 85 MGD | 25 MGD | 4 |
| Refinement Option No. 2 | 40% | 4 | 30 MG & 34 miles | 100 MGD | Eliminated | 3 |
| Refinement Option No. 3 | 50% | 3 | 25 MG & 32 miles | 85 MGD | Eliminated | 2 |
| Refinement Option No. 4 | 80% | 2 | 10 MG & 12 miles | 50 MGD | Eliminated | 1 |
| 0% Separation (100% Tunnel) | 0% | 6 | 50 MG & 40 miles | 100 MGD | 60 MGD | 5 |
| 100% Separation | 100% | 0 | 0 MG & 0 Miles | Eliminated | Eliminated | 0 |

Note – Existing CSO conditions (60+ discharges / year) = 500+ MG of wastewater to CSOs