



Stormwater Committee Presentations

C/CAG Stormwater Committee Meeting – January 18, 2024





Item 1 – Call to Order/Roll Call/Hybrid Zoom Procedures



Item 2 – Public Comment



**Item 3a (INFORMATION)
– Receive presentation on
US Environmental
Protection Agency
Region 9 San Francisco
Bay Program Office Fiscal
Year 2024
Draft Annual Priority List**



Item 3b (INFORMATION)

- Receive presentation on updates from the California Stormwater Quality Association



Item 4 (ACTION) – Approve 2024 Calendar of Meetings



Item 5 (ACTION) – Approve November 30, 2023 Special Meeting minutes



Item 6 (INFORMATION) – Stormwater Announcements



Item 7 (INFORMATION) – Receive information on the Final Interim MOU- Based Regional Collaborative Program Summary Report



Final Interim MOU-based Regional Collaborative Program Summary Report

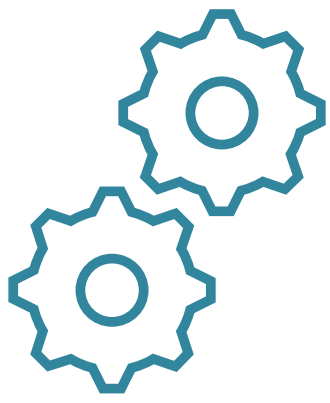
Reid Bogert, Stormwater Program Director (rbogert@smcgov.org)
Stormwater Committee – January 18, 2024





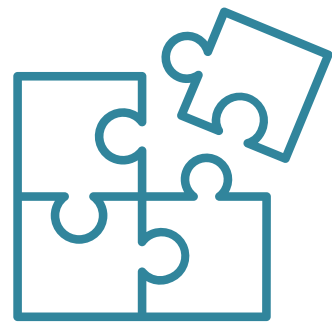
Regional Collaborative Program (RCP Goals)

- Cost-effective approach to regional-scale, multi-benefit stormwater management in San Mateo County (MRP goals + co-benefits)
 - Greened acres/Green Infrastructure retrofit target
 - Trash reduction
 - PCBs/mercury TMDL
 - Alternative Compliance
 - Co-benefits (flood risk, greening/parks, water supply, heat)
- Advance implementation of a range of Green Stormwater Infrastructure projects (LID, sustainable streets, regional capture projects)
- Establish institutional/administrative and regulatory structures to support cost-sharing project implementation (including ongoing O&M)



Summary of RCP Developments

- In 2022 developed RCP Framework White Paper and appendices
 - Business case for regional scale stormwater management
 - Opportunities analysis
 - Credit trading and funding/financing options
- In 2023 continued advancing regional projects and developed Interim MOU-based RCP Summary Report
 - Finalized MOU-based RCP Summary Report
 - \$2.4M in additional fed funds for San Bruno Regional Project; coordination with OneShoreline/SSF on O&M needs for Orange Memorial Park Regional Project; Redwood City and Belmont cont. work on regional projects at Red Morton Park/Twin Pines Park
 - Year 1 of MRP 3.0 proposed model-based methodology for “Greened Acre” calculations in support of GI Targets (~44 acres countywide)



Components of Interim MOU-based RCP Summary Report

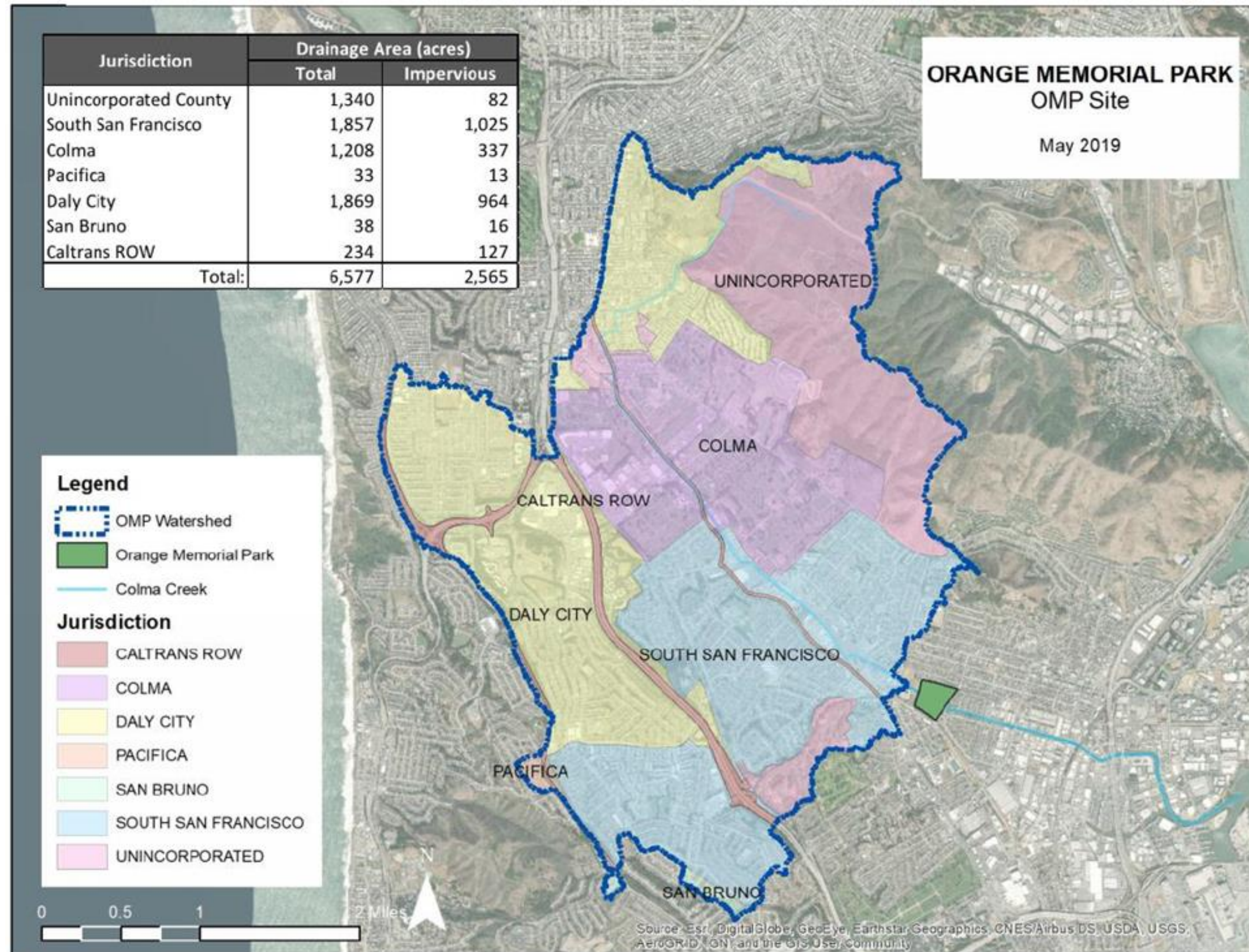
- Proposed “Units of Exchange”- focus on Greened Acre calculation
- Eligible participants (Sellers and Buyers)
 - Sellers - San Mateo County permittees building regional stormwater projects and/or paying for ongoing O&M
 - Buyers – San Mateo County permittees seeking treatment credit for MRP
 - Could potentially include other NPDES stormwater permittees
- Exchange boundaries - San Mateo County (likely sub-regional arrangements)
- Cost-basis for Interim MOU-based program
- Administration and legal considerations (proposed three phase design)
 - Phase I supporting funding, cost-sharing, unit of exchange definition, ongoing O&M inspection/verification



Interim MOU-based RCP Cost Basis

- Projects funded through grants/local resources/partnerships with Caltrans
- Cost for “greened acres” on a project by project basis calculated based on the associated design, construction, administrative, and/or O&M costs (cost per greened acre = \$/available greened acres)
- Likely to focus during “phase I” on sub-regional project coordination and cost-sharing
- Case Study for Orange Memorial Park
- Future financial considerations (Capital/Admin + O&M Funds)

Orange Memorial Park Regional Project (SSF)



- Completed in 2022
- First year of commissioning to collect performance data and establish O&M costs
- Potential to meet a portion or all of Countywide GI target

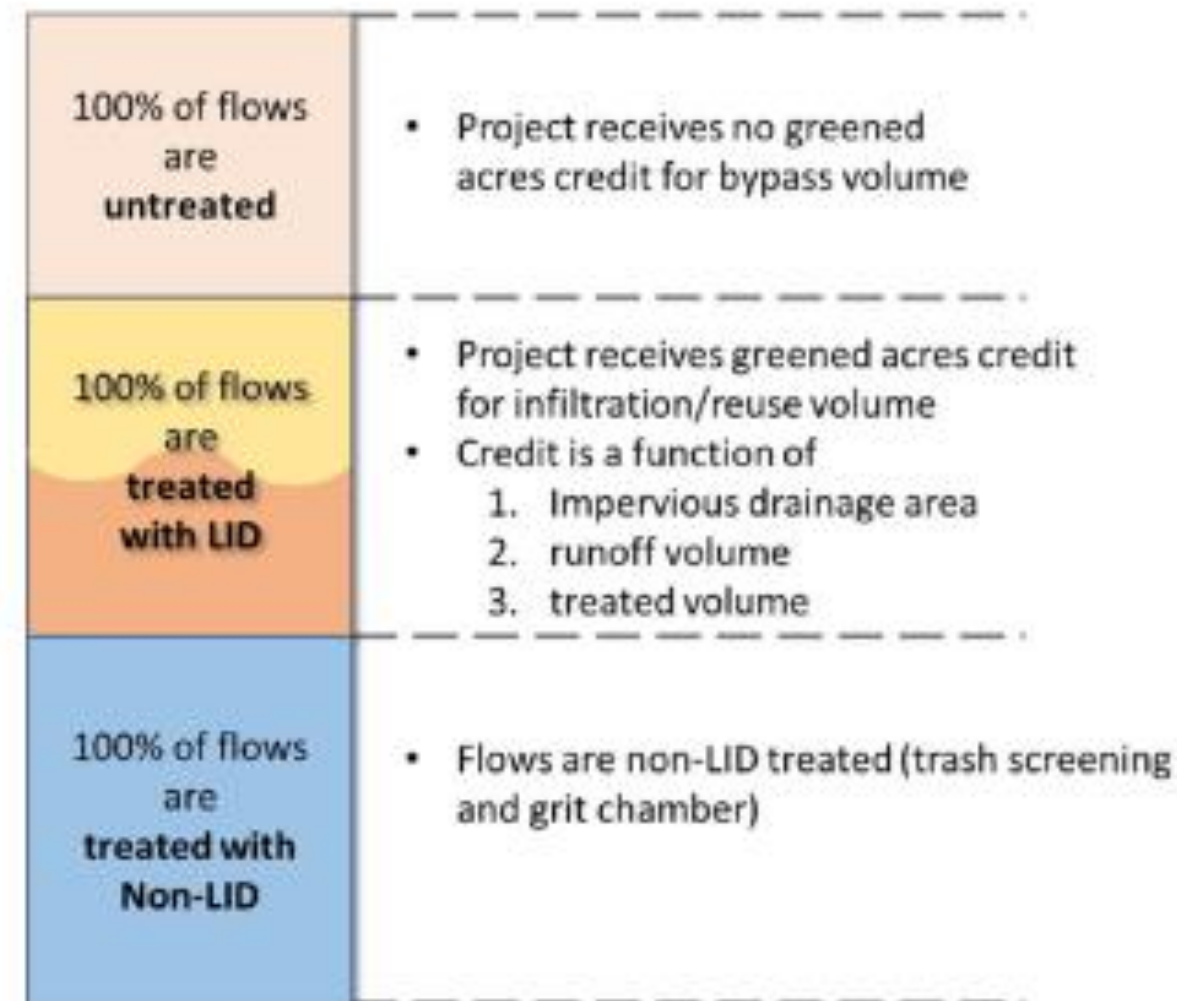
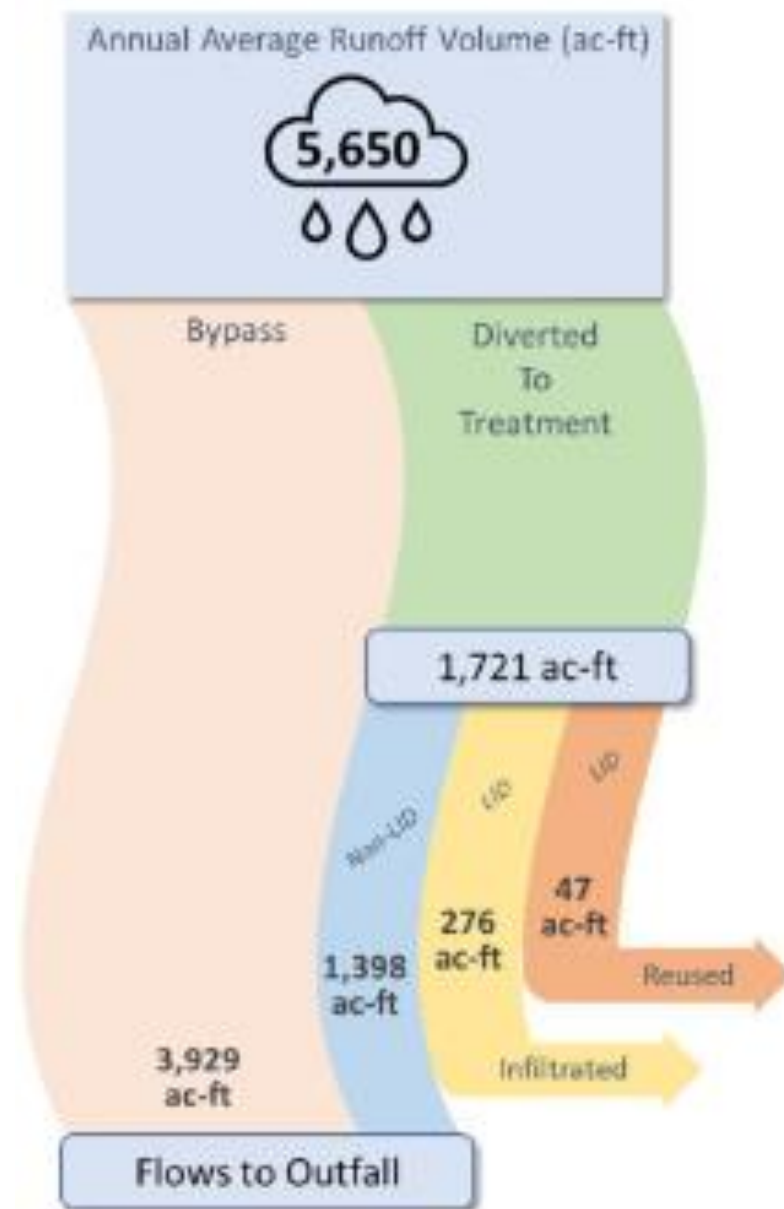
Orange Memorial Park Regional Project (SSF)

Benefits:

- Significant GW infiltration and onsite reuse
- Trash reduction
- Sediment removal (Pollutants of Concern)
- Park improvements



Orange Memorial Park Regional Project (SSF)



Modeled outputs:

- Total volume managed vs. LID portion and non-LID portion of volume managed
- Has implications for MRP compliance goals for this and future projects

OMP Case Study for Cost-Sharing

- Estimated “Greened Acre” benefit ~140 acres assumed for SSF
- Estimated ongoing annual O&M cost ~\$300K/year
- Discussion with C/CAG, OneShoreline and SSF about funding contributions from the Colma Creek Flood Zone and potentially other San Mateo County permittees under the MRP
- Agreed near term to updated maintenance agreement between OneShoreline and SSF to fund operations for next two years
- Re-evaluate potential for additional contributions from C/CAG or permittees in coming years

Proposed Phasing for the RCP

- Phase I (Interim MOU-based RCP)
 - C/CAG administers (project support, coordination, GI Tracking Tool updates)
 - Permittees consider additional means of contributing to OMP
 - Permittees + C/CAG advance additional regional projects
- Phase II (Centralized RCP)
 - C/CAG (potentially with OneShoreline) plays a more centralized role in securing and administering funds for planning/implementation of RCP projects and tracking exchanges
 - Establish RCP Capital + Administrative and O&M Funds
 - Potentially add more buyers/sellers (Alternative Compliance)
- Phase III (Market-based RCP)
 - Market-based RCP with broad participation (potentially including non-MRP entities)

Interim MOU-based RCP Framework

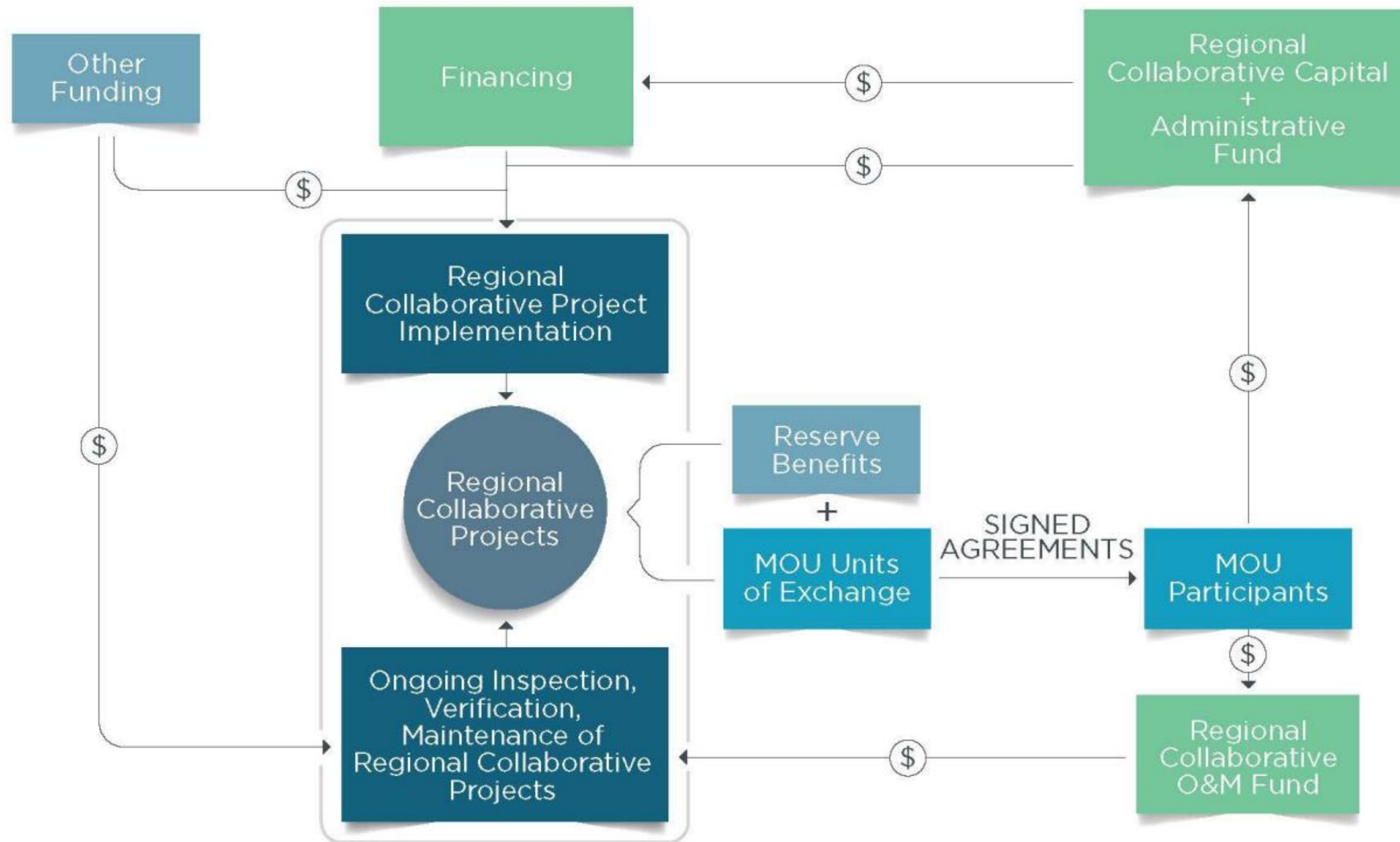


Figure 1: Interim MOU-Based Regional Collaborative Program Flow Chart

Discussion/Considerations

- Desire to achieve countywide MRP 3.0 C.3.j/GI Target compliance goal collectively (ongoing coordination with Water Board staff on benefit calculations and compliance goals)
- Need to better understand local benefits/costs vs. countywide/regional benefits/costs on regional projects and roles and responsibilities during Phase I
- Likely more projects to come and need a model that will support future implementation and partnerships (phasing will help with this; OMP is a good example but during Phase I each project and cost-sharing arrangement will likely vary)
- C/CAG is leading two grant efforts to advance the RCP development (ICARP OneWatershed Framework and NOAA OneWatershed Implementation grant (due February 13))



Item 8 – Regional Water Board Report



Item 9 – Executive Director’s Report



Item 10 – Member Reports



Item 11 – Adjourn