

Handout 3: Criteria, Metrics, and Scoring

| Benefit Category | Criteria | Metric | Scoring |
|------------------|--|---|---|
| Water Quality | Increased filtration and/or treatment of runoff | Volume of Treated Water (gallons/year) | 3 – High Volume 2 – Moderate Volume 1 – Limited or no Volume |
| | Nonpoint source pollution control | Pollutant Load Reduction (lbs/yr) | 3 – High Load Reduction 2 – Moderate Load Reduction 1 – Limited or no Load Reduction |
| | Reestablished natural water drainage and treatment | Volume of Treated Water (gallons/year) | 3 – High Volume 2 – Moderate Volume 1 – Limited or no Volume |
| Water Supply | Water supply reliability | Amount of local supply generated (acre-feet/year) | 3 – Creates local supply 2 – Limited or no creation of local supply 1 – Relies on imported supply |
| | Water conservation | Percent reduction in annual water use (%) | 3 – High Reduction 2 – Moderate Reduction 1 – Limited or No Reduction |
| | Conjunctive use | Volume Recharged (acre-feet/year) | 3 – High Volume 2 – Moderate Volume 1 – Limited or no Volume |
| Flood Management | Decreased flood risk by reducing runoff rate and/or volume | Inundated area reduced (acres) | 3 – High Reduction 2 – Moderate Reduction 1 – Limited or No Reduction |
| | Reduced sanitary sewer overflows | Sanitary Sewer Overflows Reduction (Cubic Feet) | 3 – High Reduction 2 – Moderate Reduction 1 – Limited or No Reduction |

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|----------------------|--|--|--|
| Environmental | Environmental and habitat protection and improvement | Area of habitat/ecosystem improved (acres) | 3 – High Improvement 2 – Moderate Improvement 1 – Limited or No Improvement |
| | Increased urban green space | Creation and/or reduction of green space (land that is partly or completely covered with grass, trees, shrubs, or other vegetation) (acres) | 3 – Creation of greater than 500 ac of green space 2 – Creation of less than 500 ac of green space 1 – No green space created/green space destroyed |
| | Reestablishment of the natural hydrograph | Flow Comparison (cfs) - Likelihood of reestablishing natural hydrograph by scheduling water releases to align with the minimum flow requirements and high peak flows (unimpaired flow) | 3 – Very Likely 2 – Possible 1 – Very Unlikely |
| | Improved Air quality* | Degree of potential benefit or damage to air quality | 3 – Regional benefit 2 – Local benefit 1 – No benefit, or potential damage |
| | Ecological Improvement* | Degree of potential benefit or damage to ecosystems/flora/fauna | 3 – Regional benefit 2 – Local benefit 1 – No benefit, or potential damage |
| | Energy footprint | Power consumption (kWh/AF water processed) | 3 – ≥ 1,000 kWh/AF 2 – 500 – 1,000 kWh/AF 1 – ≤ 500 kWh/AF |
| | Stormwater quality* | Stormwater volume reduction in dry year to river/oceans (acre-feet/year) | 3 – High Reduction 2 – Moderate Reduction 1 – Limited or No Reduction |

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| | Water temperature improvements | Reduction in water temperature (degrees) | 3 – High Reduction 2 – Moderate Reduction 1 – Limited or No Reduction |
| Community | Public Education | Geographic scale of people benefiting from the enhanced and/or created recreational and public use areas | 3 – Regional Benefit 2 – Local Benefit 1 – Limited or No Benefit |
| | Community Involvement | Involvement of stakeholders in project development | 3 – Active Stakeholder Involvement 2 – Moderate Stakeholder Involvement 1 – Limited or No Stakeholder Involvement |
| | Environmental Justice* | Perceived benefits/impacts distributed throughout the community (versus to specific communities) | 3 – Remediates past environmental injustices (benefits to underserved communities) 2 – Benefits to specific communities 1 – Impacts primarily to underserved communities |
| | Recreational Benefit | Enhancement and/or creation of recreational and public use areas | 3 – High Benefit 2 – Moderate Benefit 1 – Limited or No Benefit |
| | Employment opportunities provided | Increased Opportunities for Employment | 3 – Increase Both Long- and Short-Term Opportunities 2 – Increase Short-Term Opportunities 1 – No Opportunities |

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|-----------------------------------|-------------------------------------|--|---|
| Project Cost* | Project Funding Mechanism* | Degree of project funding mechanism availability and complexity | 3 – Very easy: Funding mechanism already in place; can be funded from existing structures without increase 2 – Typical: Funding mechanism can be created using normal business processes 1 – Complex: New funding mechanisms required; relatively simple to create |
| | Eligibility for External Funding* | Likelihood that outside funding will be available for this project | 3 – Very Likely 2 – Possible 1 – Very Unlikely |
| Implementation Complexity* | Constructability* | Degree of engineering complexity of project | 3 – Planning Documents/Studies Available 2 – Cost Information, No Engineering Details 1 – No Planning Documents, Best Engineering Judgment Applied |
| | Institutional Complexity* | Degree of new partnerships and agreements needed | 3 – No partnerships needed 2 – Partnerships Needed, Likely Similar to Existing Agreement 1 – Partnerships Needed, Likely New Agreement |
| | Regulatory & Permitting Compliance* | Degree of regulatory compliance needed (permits, CEQA) | 3 – Categorical Exemption, or no permits 2 – IS/ND/MND, or some State and/or local permits 1 – EIR/EIS, or multiple Federal/State/local permits |

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|------------------|--------------------|---|---|
| | Public Acceptance* | Degree of acceptance by public | 3 – Public Acceptance and Wide Support 2 – Some Public Acceptance and Moderate Support 1 – Low Public Acceptance and Support |
| | Right of Way* | Need for, or difficulty of, acquiring necessary parcels/easements | 3 – Existing ROW / Not Applicable 2 – Willing Seller Identified 1 – No Willing Seller Identified |

* Benefit categories and criteria added beyond those suggested in the State Water Resources Control Board’s Stormwater Resource Plan Guideline.