

APPENDIX B - DWSRF PROJECT RANKING CRITERIA

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SUMMARY OF THE PROJECT PRIORITIZATION MODEL

Calibration Methodology – 300 total points, four sections

SECTION	% OF BASE POINTS	POINTS INCLUDED
Drinking Water Quality & Public Health	40%	120 ⁱ
Affordability	33%	100
Compliance and Enforcement	17%	50
Sustainability/Resiliency	10%	30
TOTAL	100%	300 possible

PRIORITY SCORING MODEL

SECTION I: DRINKING WATER QUALITY & PUBLIC HEALTH	120 POSSIBLE
Project addresses a documented waterborne disease outbreak associated with the system within the last 24 months	30
Project corrects or prevents violations of MCLs (primary standards) ⁱⁱ <ul style="list-style-type: none"> • Nitrate, nitrite, TCR • Microorganisms (Giardia lamblia, Cryptosporidium, Legionella) • Disinfection byproducts (TTHMs, HAA5) • Other regulated contaminants 	25 15 10 5
*Points are additive in this section	
Project corrects or prevents inadequate treatment techniques that are unable to satisfy the requirements for <ul style="list-style-type: none"> • Surface water • GWUDI • Groundwater • Lead and Copper Rule 	15
Project corrects exceedances of secondary drinking water standards (aesthetics – color, smell, etc.)	10
Project will correct or prevent: <ul style="list-style-type: none"> • Inadequate distribution due to system deterioration (e.g., experiencing multiple line breakages) or loss of supply • Inadequate distribution due to chronic low pressure • Inadequate storage (either through capacity or condition of tank) 	15 10 5

SECTION II: AFFORDABILITYⁱⁱⁱ	100 POSSIBLE
Poverty level in project area <ul style="list-style-type: none"> • >20% • 15%- 19.99% • 10% - 14.99% • 5% -9.99% • <5% 	40 30 20 10 0
User Fees (proposed annual average residential fees/area MHI) ^{iv} <ul style="list-style-type: none"> • Rates are >2.0% of service area’s MHI • Rates are between 1.5% and 2% of the service area’s MHI • Rates are between 1% and 1.49%of the service area’s MHI • Rates are between 0.5% and 0.99% of the service area’s MHI • Rates are <0.5% of the service area’s MHI 	30 20 10 5 0
Unemployment in project area <ul style="list-style-type: none"> • >15% • Between 10% - 14.99% • Between 6% - 9.99% • Between 3% - 5.99% • <3% 	30 20 10 5 0

SECTION III: COMPLIANCE AND ENFORCEMENT	50 POSSIBLE
Project addresses an enforcement action by DOH and the facility is currently in violation of SDWA limitations.	50
Project addresses a facility’s voluntary efforts to resolve a possible violation and will mitigate the issuance of an enforcement action.	25
System is currently meeting all requirements.	15

SECTION IV: SUSTAINABILITY AND RESILIENCY	30 POSSIBLE
<p>Project promotes sustainable utilities and/or communities through a utility management plan that:</p> <ul style="list-style-type: none"> • Secures a replacement fund for the rehabilitation and replacement of aging and deteriorating infrastructure as needed • Provides sufficient revenues to meet O&M and capital needs • Demonstrates that the facility has maintained licensed/certified operators, adequate staffing to properly operate and maintain the facility and will continue to do so • Incorporates a fix-it-first planning methodology <p>*Points are additive in this section</p>	5 pts each
<p>Project addresses climate resiliency by incorporating one or more of the following:</p> <ul style="list-style-type: none"> • Installation of physical barriers • Equipment hardening/waterproofing • Prevention of saltwater damage • Water efficiency, conservation and/or reuse • Drought mitigation measures^v • Energy Efficiency/Neutrality • Emergency Response and Recovery Planning 	5
<p>Project incorporates wet weather management by implementing green infrastructure systems at utility structures and surrounding footprint</p>	5

NOTES:

ⁱ Violations of more than one contaminant are additive, which may result in significant exceedances of the total base points. This structure captures needs for repeat violations and provides indicators for both chronic and acute health hazards. This section is the most heavily weighted of the five sections included in the scoring model.

ⁱⁱ This accommodates repeat violations and provides indicators for both chronic and acute health hazards.

ⁱⁱⁱ Affordability data sets are based on the 2021 Hawaii Water Rates Dashboard and Hawaii 2015-2019 American Community Survey 5-year Estimates by Census Tracts & Legislative Districts

^{iv} Based on average water usage of 1,000-gallons per month, or 12,000-gallons annually, including base fees in addition to volumetric charges.

^v Includes leak detection programs, conservation pricing, interconnections between utilities, drilling new wellheads, emergency water distribution, aquifer storage and recovery.