Exhibit 1. Debris Collection Alternatives for the City of Miami Beach Stormwater System

Alternative	Location	Pros	Cons	Costs
Bar Racks Midne Bourse	Consolidated, Upstream of Stormwater Outfall Discharge	 ✓ Is already in use throughout the City: CMB Pump Station Locations – installation and maintenance procedures are known ✓ Low visual impact ✓ Minimum impact to stormwater flow ✓ Works in free-draining and submerged environments 	 ☑ Requires the construction of an additional stormwater structure ☑ Community and traffic impacts during construction and maintenance 	Capital \$\$\$
				Maintenance \$
				Overall \$\$
Stormwater Inlet Grates	Multiple Installations, at Every Stormwater Inlet	✓ Easy to install ✓ Different configurations available	 ☑ Disrupts flow when blocked with debris, causing flooding ☑ Will require each stormwater inlet to be cleaned and maintained frequently ☑ Community and traffic impacts during construction and maintenance 	Capital
				\$\$
				Maintenance
				\$\$\$
				Overall
				\$\$\$
Outfall Filtration Net	Consolidated, At Outfall Discharge	 ✓ Works in free-draining and submerged environments ✓ Relatively easy installation process ✓ Minimum impact on flow ✓ Minimum impacts to the community and traffic during construction and maintenance operations 	 ☑ May be unsightly ☑ May impact boat traffic ☑ May be difficult to access ☑ Nets may become damaged at high flow velocities ☑ When net becomes full, it disengages from the main unit, and though there is a safety system, it no longer catches debris ☑ Requires a crane and boat for cleaning the net 	Capital
				\$
				Maintenance
				\$\$
				Overall
				\$\$