MCDA Decision Criteria for participatory stakeholder workshop Fall 2019

Ripogenus FERC No. P-2572 : RAW DECISION MATRIX (cell values are data values and have not been changed in any way)

Decision Criteria	Keep and Maintain Dam	Improve Fish Passage	Improve Hydropower Capacity	Improve Hydro AND Fish Passage	Remove Dam
Sea-run fish habitat area (100 square m)	0	0-2480	0	0-2480	0-4961
River recreation area (square km)	2	2	2	2	2
Reservoir storage (100,000 acre feet)	14	14	14	14	0
Annuitized project costs ($2018 thousands/yr)	747	1,072	3,487	3,813	724
Breach Damage Potential	3	3	3	3	0
Number of Properties Impacted	0	0	0	0	43
Annual Electricity Generation (GWh/yr)*	234	234	281	281	0
CO2 Emissions Reduction (kilotonne/yr)	40	40	47	47	0
Indigenous Lifeways	-	-	-	-	-
Industrial Historical Value	-	-	-	-	-
Community Identity	-	-	-	-	-
Aesthetic Value	-	-	-	-	-
Public Health	-	-	-	-	-
Social and Environmental Justice	-	-	-	-	-

*1 GWh = 1000 MWh, so to convert from GWh to MWh, multiply the value by 1,000. To convert from MWh to GWh, divide by 1,000.

Developed by Emma Fox, Sharon Klein, and Sam Roy of UMaine, with input from stakeholders active in dam decision-making in Maine.