APPENDIX A: NON-TRADITIONAL EVALUATION

Criteria. Rev 2	Score Criteria									
Criteria, Rev 2	1	2	3	4	5					
Design flevibility for adding capacity	Not Scalable	Portions of Treatment only can	Can only be scaled up for	Portions of both can be	Can be scaled up for both					
Design flexibility for adding capacity	NOT Scalable	be scaled up	loads or flows	scaled up	flows and loads					
Environmental Impacts	Negative Impacts	Some Negative impacts	No Impacts	Some positive impacts	Positive Impacts					
Implementation Constraints	Constraints with no mitigation	Some constraints with equal	Some contstraints	Fow constraints	No Constraints					
Implementation Constraints	possible	mitigation	Some contstraints	rew constraints	No Constraints					
Nitrogen Removal	No Removal	0-49% removal	50% Removal	50-75% Removal	Greater than 75% removal					
Monitoring Requirements	Requires daily oversight	Requires monthly oversight	Requires Quarterly	Requires semi annual	Requires annual oversight					
	Requires daily oversight	Requires monthly oversight	oversight	Portions of both can be scaled up Some positive impacts Few constraints 50-75% Removal Requires semi annual oversight Some odor, mild 1-3 Acres Some risk, low to mild impacts to implement Quarterly Inspection and Annual Maintenance Temporary Construction Only (1-2 years) Maybe-Yes Maybe-Yes	Requires arrival oversignit					
Odor Emissions	High Odorous impact near	Odorous impact	Inland treatment with	Some odor mild	No odor impact, removed from					
	waterfront	Oddrods impact	neighborhood impacts	Some odor, mild	villages completely					
Land Area Requirements	>10 Acres	5-10 Acres	3-5 Acres	1-3 Acres	<1 Acre					
Implementation Risk	High Risk, Technology	Moderate Risk, Technology in	Mild Risk with mitigation for	Some risk, low to mild	No Risk, No impact to					
	Unapproved	Pilot	implementation	impacts to implement	implement					
Maintenance/operation requirements	Daily Inspection, Daily Mainteance	Daily Inspection, Frequent maintenance	Monthly Inspection and Mainteance		Annual or Bi Annual inspection and maintenance only as needed					
Greenhouse Gas (GHG) Emissions	Permanent impacts and contribution	Construction with some permanent impacts	Temporary Construction Only (2-5 years)	, -	No permanent increase in GHG emissions					
Public Acceptance & Political Feasibility	No	Maybe-No	Maybe	<u> </u>	Yes					
Alignment with Local Comprehensive Plan and Town Mission	No	Maybe-No	Maybe	Maybe-Yes	Yes					
Resiliency to Climate Change	No adaptation possible	Technology adaptation difficult	Technology not resilient, but smome adaptation possible	Technology requires easy adaptation for resiliency	Technology is adaptable to climate changes					

Category Weight -->

4%

3%

8%

Technology	Туре	R	aw Total	W	Veighted	Design	Environmental	Implementation
	7 F =	1 -	Raw Total		VCISITCU	DC3IgII	LIIVII OIIIIIEIILAI	Implementation
		/11.5			•	flexibility for	Impacts	Constraints
		(Un	Unweighted)		Total	1 1	Impacts	Constraints
						adding		
						capacity		
luster Treatment System	Source Reduction	×	40		3.48	4	4	3
quaculture	Source Reduction	×	40	×	3.07	2	5	2
ertilizer Management	Source Reduction	V	53	Į	4.06	5	4	5
Ü		•						
emediation of Existing Development	Source Reduction	\	52		4.34	5	5	3
omnact and Onen Space								
	Source Reduction	✓ 58		\checkmark	4.64	5	5	2
						J	<u> </u>	۷
ransfer of Development Rights	Source Reduction		48	×	3.42	5	5	1
nnovative/Alternative (I/A)*	Source Reduction	Į	50	\	4.35	4	4	3
A Hybrid or Enhanced Systems (2+	Source Paduction	П	50	. //	1 12			
echnologies)*	Source Reduction	8	50	~	4.42	4	4	3
oastal and Wetland Habitat	Doctovation		4.0	п	2.05			
estoration	Restoration	Å	46	Å	3.85	3	5	2
	Doctoration	•	11	п	2.05			
reaging arra manneeriaries	Restoration	×	44	Å	3.95	4	4	3
hytoremediation	Groundwater		47		112			
	Remediation	A	4/	8	4.12	2	5	3
ermeable Reactive Barriers (PRBs)	Groundwater		** 30		2.00			
	Remediation	×	39	Ä	3.90	2	4	2
tormwater BMPs	Groundwater	_						
	Remediation	\checkmark	55	\checkmark	4.49	5	5	5
	ertilizer Management emediation of Existing Development compact and Open Space evelopment ransfer of Development Rights nnovative/Alternative (I/A)* A Hybrid or Enhanced Systems (2+echnologies)* oastal and Wetland Habitat estoration redging and Maintenance hytoremediation ermeable Reactive Barriers (PRBs)	Source Reduction Restoration Restoration Restoration Restoration Groundwater Remediation Remediation Groundwater Remediation Groundwater Remediation Groundwater Remediation Groundwater Remediation	ertilizer Management emediation of Existing Development compact and Open Space evelopment ransfer of Development Rights A Hybrid or Enhanced Systems (2+ echnologies)* oastal and Wetland Habitat estoration reedging and Maintenance hytoremediation ermeable Reactive Barriers (PRBs) tormwater BMPs Source Reduction Source Reduction Fource Reduction Source Reduction Restoration Groundwater Remediation Groundwater Remediation Groundwater Remediation Groundwater Remediation	Source Reduction	source Reduction Fource Reduction Source Reduction Restoration Restoration Restoration Restoration Restoration Source Reduction S	source Reduction	source Reduction	Source Reduction

Category Weight -->

12%

7%

1%

				cutegory v	<u> </u>	,,,	12/0	7 /0	1/0
#	Technology	Туре	Raw Total		Weighted		Nitrogen	Monitoring	Odor
			l (Un	(Unweighted)		Total	Removal	Requirements	Emissions
			(0	ireigiicea,		· otal		-	
1	Cluster Treatment System	Source Reduction	×	40		3.48	3	2	3
2	Aquaculture	Source Reduction	×	40	×	3.07	2	2	5
3	Fertilizer Management	Source Reduction	V	53		4.06	3	4	3
4	Remediation of Existing Development	Source Reduction	~	52	Į	4.34	3	4	5
5	Compact and Open Space Development	Source Reduction	✓	58	~	4.64	5	4	5
6		Source Reduction	Į	48	×	3.42	5	4	5
7	Innovative/Alternative (I/A)*	Source Reduction	Į	50	V	4.35	3	4	3
	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	Î	50	~	4.42	4	4	3
10	Coastal and Wetland Habitat Restoration	Restoration	Į	46	Į	3.85	2	1	5
11	Dredging and Maintenance	Restoration	×	44		3.95	5	2	4
12	Phytoremediation	Groundwater Remediation	Į	47		4.12	4	2	5
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	×	39	Į	3.90	4	2	3
14	Stormwater BMPs	Groundwater Remediation	~	55	✓	4.49	4	1	4

Category Weight -->

2%

5%

5%

				category v	<u> </u>	,	2/0	<i>37</i> 0	
#	Technology	Туре	Ra	Raw Total		Veighted	Land Area	Implementation	Maintenance/
			Un'	(Unweighted)		Total	Requirements	Risk	Operation
			`	`					requirements
									-
1	Cluster Treatment System	Source Reduction	×	40		3.48	4	2	4
2	Aquaculture	Source Reduction	×	40	×	3.07	1	3	5
3	Fertilizer Management	Source Reduction	\	53		4.06	1	5	5
4	Remediation of Existing Development	Source Reduction	~	52	Į	4.34	4	5	3
5	Compact and Open Space Development	Source Reduction	~	58	~	4.64	4	5	5
6	Transfer of Development Rights	Source Reduction	Į	48	×	3.42	1	5	4
7	Innovative/Alternative (I/A)*	Source Reduction	Į	50	V	4.35	4	5	5
9	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	Î	50	~	4.42	4	4	5
10	Coastal and Wetland Habitat Restoration	Restoration	I	46	Į	3.85	1	3	5
11	Dredging and Maintenance	Restoration	×	44		3.95	1	2	5
12	Phytoremediation	Groundwater Remediation	8	47	Į	4.12	1	3	4
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	×	39	Į	3.90	2	2	4
14	Stormwater BMPs	Groundwater Remediation	✓	55	~	4.49	5	5	4

14 Stormwater BMPs

5

			Category W			nht>	1%	2%	30%	20%
#	Technology	Туре	Raw Total (Unweighted)		Weighted Total		Greenhouse Gas (GHG) Emissions	Resiliency to Climate Change	Public Acceptance/ Political	Alignment with Local Comprehensive
1	Chustou Tuo atro ant Customs	Source Reduction		40	П	3.48	1	2	Feasibility 4	Plan/Town Goals 4
2	Cluster Treatment System Aquaculture	Source Reduction	×	40	×	3.07	4	2	3.5	3.5
3	Fertilizer Management	Source Reduction	V	53		4.06	5	5	4	4
4	Remediation of Existing Development	Source Reduction	✓	52		4.34	2	3	5	5
5	Compact and Open Space Development	Source Reduction	✓	58	✓	4.64	4	4	5	5
6	Transfer of Development Rights	Source Reduction	8	48	×	3.42	5	2	3	3
7	Innovative/Alternative (I/A)*	Source Reduction	Į	50	\	4.35	2	3	5	5
9	I/A Hybrid or Enhanced Systems (2+ technologies)*	Source Reduction	Į	50	~	4.42	2	3	5	5
10	Coastal and Wetland Habitat Restoration	Restoration	Į	46		3.85	4	5	5	5
11	Dredging and Maintenance	Restoration	×	44		3.95	2	3	4	5
12	Phytoremediation	Groundwater Remediation	Į	47	Į	4.12	5	3	5	5
13	Permeable Reactive Barriers (PRBs)	Groundwater Remediation	×	39		3.90	3	1	5	5

4.49

4

3

55

Groundwater

Remediation