	Α	В	С	D	E	F	G	Н	I	J	K	L	
1												7	
3	Baci	kground Ir	formation										
3		All respon	dents should	provide utility.	contact, an	d location	information.	then proceed to Part 1.			1		
4 5		7 m 1 cop c 1.	001100 0110 0110	provide delicy,				then proceed to that I			1		
									for a wastewater contractor to respond of		1		
			-		-		included on	one response if the service area, and the	nerefore infrastructure and investments,	is fully integrated and			
6		affects mu		tions that are sp									
7				Check here if t	this needs a	analysis has	been submi	itted by a wastewater contractor on be	half of a single local government.		_		
8				Check here if t	this needs a	analysis has	been submi	itted by a wastewater contractor on be	half of multiple local governments.				
9											1		
		Name(s) c	f Local Gover	nment(s) addre	ssed by thi	s response:							
10								, ,	s only, does not address any other waste	water utilities within			
11		Name of v	vastewater ut	ilitv:				Nassau County) Nassau Amelia Utiliites			•		
12			nt Contact Inf	•				Table 1 miles			1		
13		Name: Christopher Couch											
14			Position/Title					FGUA East Region Manager			1		
15			Email Addres Phone Numb					ccouch@govmserv.com 407-629-6900					
10 11 12 13 14 15 16 17 18	1				./ \]		
		Indicate ti		agement Distric									
19				Northwest Flo			· · · · · · · · · · · · · · · · · · ·	,					
20				Suwannee Riv			•	•					
21			1	St. Johns River			•	•			-		
22				Southwest Flo							-		
23				South Florida	Water Mar	nagement D	istrict (SFW	MD)					
21 22 23 24 25		Indicate th	ne Florida Dep	artment of Env	rironmenta	l Protection	(DEP) Distri	ct in which your service area is located					
26				Northwest Dis	strict								
27			✓	Northeast Dist	trict								
28				Central Distric	t								
29				Southwest Dis	strict								
30				South District									
31				Southeast Dist	trict								
31 32 33		Indicate th	ne type(s) of lo	ocal governmen	nt(s):]		
34				Municipality									
35			✓	County									
36				Independent S	Special Dist	rict							

	А	В	С	1	D	F	Е	G	Н	1	1	KL
37	Α	U	C		D		'	G	11	'	,	K L
37 38 39	ſ	Does vour	utility both c	ollect	and treat	wastewate	er?				Yes]
39	-	- 0 co , 0 ci.							and the discount of the second of the second	f		1 1
							•	ent utility, wi	iat is the name of that utility? That is, i	f you are the wholesale customer of anot	ther utility that treats	
40			your wastew	ater w	vnat is the	e name or t	nat utility?					1
41			N/A]
42								2-1				1
41 42 43 44 45	L	oes your	utility treat v	vastev	water colle	ected by ar	otner utilit	y? Inat is, do	you have wholesale customers?		No]
45			If yes, what is	s the r	name of th	hat utility (or those uti	lities)?				_
			_									
46			N/A]
47	D =	4 Dataila		-641-	- f:!!!!				(C+ 402 0204/2\/\ F.C.\			
46 47 48 49	Part	1. Detaile	a aescription	or the	е таспітіе	s usea to p	rovide was	tewater serv	vices (Section 403.9301(3)(a - c), F.S.)			
49		Λ wastow	ator facility a	c dofir	and in the	Introducti	on included	the entire of	at of site design features and infrastru	cture for collection, conveyance, storage,	infiltration treatment	1
50									any beneficial use or disposal of biosol		illillitiation, treatment,	
50 51		•				•]
		•						•	•	facility. Enter zero (0) if your system doe		
										customers. For questions regarding pop	ulation and wastewater	
52 53	(collection	within your s	ervice	area, exc	lude custo	mers served	by and infr	astructure owned/operated by wholes	ale utility customers.		
53											Г	
											Number	Unit of
54 55			How many d	omost	ic wastow	vator troati	nont faciliti	os doos vou	utility own that are currently in opera	tion?	1	Measurement
55			now many u	omest	iic wastew	vater treati	nent iatiliti	es does you	utility own that are currently in opera	LIOITE	1	-
F.C			How many d	omest	ic wastew	vater treati	ment faciliti	es owned by	your utility are currently under constr	uction (and not in operation)?	0	
56 57 58 59			The total con	nhina	d annual a	warana dai	ly influent f	low design	capacity of your treatment facilities (M	SD).	0.950	
5/							•		ed capacity of your treatment facilities	•	0.950	
59									treatment facilities (MGD):	(WGD).	0.730	
33							•	•	current service area in the following c	ategories. Note that for this question	0.750	
					O	•		,	8	aries of the area being served directly by		
							•		mers, the population within their service			
60			calculations.						ners, are population mann area service			
60 61			ou.ou.uc.oo.	_				existing syst	em:		unknown	1
01								<u> </u>		establishment or residence considered	UTIKTIOWIT	1
					_				ed by either a local ordinance or under			
									main in an easement or right of way ab			
62					=	•			coming special assessment):	O	unknown	
62 63 64 65									sting system:		unknown	1
64										Total:	0%	
65										Adjustment Still Needed:	100%	

	Α	В	С	D	E	F	G	Н	1		J	K	L
66				t stations owne							43		
67				ivate lift station			facility:				25 (estimated)		_
68 69				al linear feet of							170,473		
69			Estimated tot	al linear feet of	force mail	ns:					85,402		
70				al number of m							834		
70 71				mber of valves i	in your fac	ility's collec	ction system:				482		
72			Other:									-	
73												_	
74												_	
75													
76													
77											_		
78													
72 73 74 75 76 77 78 79 80			Notes or Com	ments on any o	of the abov	۱6·							
-00			110103 01 00111	internes on any e								1	
					Donortod	for Nossou	Amadia Hili	tion Only					
					Reported	ioi nassau	Amelia Utilit	ties Only					
81													
02	W	Vhich of t	he following g	reen infrastruc	ture best n	nanagemer	nt practices d	lo you currently use or plan to use to r	manage wastewater and	d/or improve wate	r quality (answer	1	
83		es/No):		,		Ü	•	, ,	· ·		, , ,		
		, -,											
85								Best Management Practice	Curre	nt	Planned	1	
86								Lining	Yes		Yes	1	
87								Advanced wastewater treatment	Yes		Yes	=	
88								Co-generation (energy)	No		No		
89								Reuse of reclaimed water	Yes		Yes		
90								H2S recovery/use	No		No		
91								Beneficial use of biosolids	No		No	=	
92							Other Best I	Management Practices:	-		1	=	
93												-	
84 85 86 87 88 89 90 91 92 93 94 95 96												1	
95												1	
96												1	
97												1	
								I			L		

	Α	В	С	D	E	F	G	Н	I	J	K L
98 99											
99		Please ind	cate which re	sources or docu	ıments you	ı used whe	n answering	these questions (check all that apply).			
101				Asset manager	nent systei	m					
102			√	GIS program							
103			✓	Wastewater fa	cility perm	it application	on				
104				Aerial photos							
105			✓	Past or ongoin	g budget in	vestments					
	Material Mat										
106 107	Other(s):										
108					Information	on Reporte	d for Nassau	Amelia Utilities Only			
109											
110											
111	Part	2. The nu	mber of curre	ent and project	ed connect	ions and r	esidents serv	ed calculated in 5-year increments (S	ection 403.9301(3)(b), F.S.)		
108 109 110 111 112											
		•	_			-			y your collection system and treatment for	•	
		•		=	sidential ar	nd non-resi	dential conn	ections) and retail customers for both	the collection and treatment projections.	Exclude wholesale	
113		•	omers entire	•							
113 114 115		If needed,	municipal and	d unincorporate	d county p	opulation	orojections a	re available in the Optional Growth Ra	te Schedules workbook posted on EDR's	website.	
115		ı						November of Desidents /: a. the	Number of Decidents (i.e., the	1	
			5-Yea	r Periods Ending	g in	Total N	umber of	Number of Residents (i.e., the Permanent Population) Served by	Number of Residents (<i>i.e.</i> , the Permanent Population) Served by your		
116			(Calendar Year		Conn	ections	your Collection System	Treatment Facilities		
117			Curre	nt (2022) Baseli	nο		3,288	9,646			
118			Curre	2027	110		3,713	10,893	10,893		
116 117 118 119 120 121 122				2032			4,008	11,759	,		
120				2037			4,263	12,507	12,507		
121				2042			4,496	13,190	13,190		
122		!						-,	-,	ı	

1	В	С		D	E		F		G		Н		I			J	K
					_												
t 3.	. The c	current ar	d projecto	ed service	area fo	r waste	ewater	servi	ces (Se	ction 4	03.9301(3)(c), F.S.)						
			_	_							u to provide the population(s						
(b	oth wa	stewater	collection	and wast	ewater t	reatme	ent) and	l part	ial serv	ice for	collection only (i.e., your utili	ty is a wholes	ale customer of anoth	ner utility f	for wastev	water	
tre	eatmer	nt). For ut	ilities with	wholesal	e custon	ners, w	e also a	isk th	at you	provide	e the list of jurisdictions for w	nich you only	treat wastewater in t	he last tab	le.		
				anent pop	ulation t	hat fall	ls into t	hese	two ca	tegorie	s? Exclude permanent resider	ts who rely o	n septic tanks. If you	do not pro	ovide one t	type of	
se	rvice, p	please en	er zero.														
		1															
					ice Cate	gory					Permanent Population						
		Full: Co	llection an	nd Treatm	ent						9,6	46					
		Partial:	Collection	Only (i.e.	. vou are	a who	olesale (custo	mer fo	r							
			ooring util									0					
		a neign		,	01.000				,								
																	_
In	the fol	llowing ta	bles, vou v				Landa Company		!								
eit		_		will be asi	red to all	ocate t	ne tota	н рор	ulation	ıs repor	rted above into the municipali	ties and/or ur	nincorporated (county	/) areas se	rved by yo	our utility	
	rner wi	ith full ser								•						•	
to			vice (colle	ction and	treatme	nt) or p	partial (colle	ction o	nly). Th	e Percent of Served Population	n column will	automatically calcula	ite the per	centage b	ased on the	
	tal per	manent p	vice (colle opulation	ection and reported	treatme above. Ii	nt) or p	partial (colle	ction o	nly). Th		n column will	automatically calcula	ite the per	centage b	ased on the	
	tal per	manent p	vice (colle	ection and reported	treatme above. Ii	nt) or p	oartial (colle	ction o	nly). Th	e Percent of Served Population	n column will	automatically calcula	ite the per	centage b	ased on the	
se	tal per rvice, p	manent p please lea	vice (colle opulation ve that se	ection and reported ction blan	treatme above. Ir k.	nt) or p	oartial (colle	ction o	nly). Th	e Percent of Served Population	n column will	automatically calcula	ite the per	centage b	ased on the	
se	tal per rvice, p	manent p please lea	vice (colle opulation	ection and reported ction blan	treatme above. Ir k.	nt) or p	oartial (nal tabl	colled e, list	ction o	nly). Th	e Percent of Served Population	n column will	automatically calcula their wastewater. If y	ate the per ou do not	centage b provide o	ased on the	7
se	tal per rvice, p	manent p please lea	vice (colle opulation ve that se	ection and reported ction blan	treatme above. Ir k.	nt) or p	oartial (colled e, list	ction o	nly). Th risdictio	e Percent of Served Populations for which your utility cont	n column will	automatically calcula	ate the per ou do not	rcentage b provide o	pased on the one type of	
se	tal per rvice, p	manent p please lea	vice (colle opulation ve that se	ection and reported ction blan	treatme above. Ir k.	nt) or p	oartial (nal tabl	colled e, list	ction o	nly). Th risdictio	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y	ate the per ou do not	on Percent	pased on the	
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	ased on the ine type of tof Served ulation	
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	partial (nal table	colled e, list	ction o	nly). Th risdictio	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	ate the per ou do not	on Percent	eased on the ine type of c of Served ulation	6
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	ased on the type of cof Served ulation 000	666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	ased on the type of c of Served ulation 0'00'00'00'00'00'00'00'00'00'00'00'00'0	66666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	ased on the type of cof Served ulation 0'00'00'00'00'00'00'00'00'00'00'00'00'0	666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	ased on the type of c of Served ulation 0'00'00'00'00'00'00'00'00'00'00'00'00'0	666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of conference of Served conference of the c	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	ased on the type of conference of Served conference of the confere	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of conference of Served conference of the c	66 66 66 66 66 66 66 66 66 66 66 66 66
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of a conference of Served a conference of the conference of t	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of a conference of Served conference of the	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of a conference of Served and the rine type of the	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of control of Served ulation 0'0'0'0'0'0'0'0'0'0'0'0'0'0'0'0'0'0'0'	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of served ulation 00 00 00 00 00 00 00 00 00 00 00 00 00	
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of served ulation 00 00 00 00 00 00 00 00 00 00 00 00 00	
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of served ulation 00 00 00 00 00 00 00 00 00 00 00 00 00	666666666666666666666666666666666666666
se	tal per rvice, p	manent p please lea rice: Colle	vice (colle opulation ve that se ction and	ection and reported ction blan Treatmer	treatme above. II k.	nt) or p the fir Juris	oartial (nal table sdiction Name	colled e, list	ction o	nly). Th	e Percent of Served Populations for which your utility cont	n column will	automatically calcula their wastewater. If y Permanen	te the per ou do not	on Percent	assed on the rine type of served ulation 00 00 00 00 00 00 00 00 00 00 00 00 00	

	Jurisdiction Informa	tion	Permanent Populati	on
Туре	Name	Service Area Includes Entire Jurisdiction?	Number Served	Percent of Served Population
Unincorporated County	Nassau Amelia Utilities	No	9,646	100
				(
				(

	Α	В	С	D	Е	F	G	Н	I	J	K L
157										0%	
158 159										0%	
159										0%	
160										0%	
161										0%	
162										0%	
163										0%	
164										0%	
165							A	Adjustment Still Needed (Based on Per	cent of Total Population Accounted For):	0%	
165 167	P	Partial Se	vice: Collectio	on Only					-		
168					J	Iurisdiction	Information		Permanent Populati	ion	
			Τι	уре		Name		Service Area Includes Entire	Number Served	Percent of Served	
169			• ,	, pc		rtanic		Jurisdiction?	Walliber Served	Population	
170											
171											
172											
173											
174											
175											
176					· ·		A	Adjustment Still Needed (Based on Per	cent of Total Population Accounted For):	100.00%	

1	В	С	D	Е	F	G	н	1	J	K L
178 179	Partial Se	rvice: Treatme	ent Only (Wole:	sale Waste	water Treat	ment Custo	omers)	•		•
179				J	urisdiction	Information		1		
		т.			Mana		Service Area Includes Entire	1		
180		1 \	/pe		Name		Jurisdiction?			
181								1		
182								1		
183								1		
184										
185										
186										
187										
188										
180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195								_		
190										
191										
192										
193										
194										
195										1
	If your ser	vice area is ex	pected to chan	ge within th	ie 20-year h	norizon, plea	ase describe the changes (e.g., the exp	oiration of an interlocal agreement, introd	uction of an	
196	independe	ent special dist	trict <i>, etc.</i>). Map	s may be p	rovided to f	urther desc	ribe areas beyond the geographic limit	s of your jurisdiction.		
				N. a a a d	:	N A.	andia Hailiaina annias ann			
				No expect	ed change i	n Nassau Ai	melia Utilities service area.			
197										
198										Į
197 198 199										
200	Co	ntinue to	Part 4							
200 201	<u> </u>	itiliae to	T dit T							
201										

		<u>-</u>	-	_					
Α	В С	D	E	F	G	Н	I	J	
Part 4	4.0 The current and projected cos	t of providing wastewater services calculat	ted in 5-year increments (Section 403.9301(3)(d), F.S.)						
T alt 4	4.0 The current and projected tos	to providing wastewater services careara	tecum 5 year merements (section 403.5301(5)(a), 1.5.)						
	Given the volume of services, jurisc	lictions should use the template's service g	groupings rather than reporting the current and project	ed cost of each i	ndividual servic	e. Therefore. fo	r the purposes o	f this	
	document, "services" means:	, , , , , , , , , , , , , , , , , , ,	,						
	Routine operation and maint	enance (including ongoing administration,	, and non-structural programs) of a wastewater facility.						
	2. Expansion of a wastewater fa	acility.							
1									
			vements, new work, new projects, retrofitting, and sign				•	f expansion	1
р	projects that are explained in Part!	ة. Briefly, they are: Effluent Management, ۱	Water Quality, Reuse Development, Resiliency, End of L	Jseful Life Repla	cements, and Se	ptic to Sewer C	onversions.		
P:	Sant 4.4 de alecciale de la Silvano de la constante de la Cons		h. til t. B. a.F.						
P	Part 4.1 deals solely with routine of	peration and maintenance. Expansion is de	ealt with in Part 5.						
А	All answers should be based on loc	al fiscal years (October 1 through Septemb	per 30). An inflation index is included in the Optional Gro	owth Rate Sched	lules Excel work	book.			
4	4.1 Routine Operation and Mainte	nance							
1		<u> </u>							
	•	•	nance activities for the current year and subsequent fiv	•	•	•	•	•	
		•	siliency initiatives. O&M costs for these activities are inc tion should be included in your Routine O&M projection		bles. However, (J&IVI COSTS asso	ciated with all o	iner project	į
Ca	categories as well as non-structural	programs like public outreach and educati	tion should be included in your Routine O&IVI projection	15.					
	f specific cost data is not available	the most recent (2020-21) O&M value can	n be entered into the Optional Growth Rate Schedules v	vorkhook and gr	own using the n	rovided ontions	for inflation no	nulation	
	•	, ,	ected O&M total costs is more than 15% over any five-ye	-		•		•	
L									
	B	•			F	1:4			
	Routine Operation and Mair	tenance			2022-23 to	ditures (in \$thou 2027-28 to	2032-33 to	2037-38	+-
				LFY 2021-2022	2022-23 10	2027-28 to	2032-33 10	2037-38	
1	Operation and Maintenance	Costs		\$ 1,162		\$ 6,931			2 786
1	•	reater than 15% over any 5-year period:		7 1,102	7 0,103	7 0,551	7 7,505	y 0,	, 00
1		and a few beneat							
	Croudb Data Cabadul - 14/	hook utility of for projections EV24 2022 M	WAY OR NA based on USW On Exten WAY I still	riaal					
I	Growth kate Schedule Work	Jook utilitzed for projections. FY21-2022 W	VW O&M based on USW Op Ex for WW + sludge + elect	IICai					
]									
5									

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26 F				ed in 5-year increments (Section 403.9301(3)(d), F.S.)	'	<u> </u>		'	,	K
27		. ,		, , , , , , , , , , , , , , , , , , , ,						
	As	s briefly explained in the introduc	ction to Part 4. "expansion" means new wor	k, new projects, retrofitting, and significant upgrades to	o a collection sv	stem. wastewat	er treatment fac	cility or other co	mponent. In	
		, ·	• •	n projects are further characterized as currently having	•			•	•	ا ا
	of	of a committed funding source incl	lude the capacity to absorb the project's ca	pital cost within current budget levels or forecasted rev	enue growth; fi	nancing that is u	underway or ant	icipated (bond	or loan); know	n
	st	tate or federal funding (appropria	ition or grant); special assessment; or dedic	ated cash reserves for future expenditure. Projects witl	h No Identified	Funding Source i	nclude those th	at would necess	itate rate	
	in	ncreases, would require the delay	of other needed projects, and/or in which	state or federal funding has not yet been secured. Pleas	se note that the	re are separate	tables for projec	cts with a comm	itted funding	
28	sc	ource and those with no identified	d funding source.							
29										
	0	of the six broad expansion categor	ries discussed below, two (Effluent Manage	ment and Water Quality) are grouped together in Part !	5.1. While the la	st four categorie	es (Reuse Devel	opment. Resilier	ncv. End of	
30			, ,	that may otherwise fit into the first categories, they are		•	•	•	• •	
30 31 32 33 34	In	the tables that follow please list	t each expansion project under only one cal	egory. Choose the category which is the greatest drive	r for the projec	+	•			= -
32		•	t each expansion project under only one cal	tegory. Choose the category which is the greatest drive	i for the projec					
34	Th	he six categories are:								_
		1.								
				nt management to meet regulatory and statutory man		•	•			
		9		ject falls outside of those provisions and their accompa				atutory options	are: s.	
35			ater discharge elimination), s. 403.086(10), i	F.S. (ocean outfalls legislation), Clean Waterways Act, 20	016 Springs and	Aquifer Protect	ion Act, other.			_
		2.	:							
				ements to improve water quality such as advanced was ed to wastewater), the projected expenditures should			_			
				daily loads (TMDLs), BMAPs, state adopted Restoration	•			•	•	٠
36		'		ter Quality include: advanced wastewater treatment, si	•		•	, 0	tory	
30				rojects associated with wastewater in this table. Includ		•		•	nat capital	-
37				a complete list of adopted BMAP projects as an append			, , ,	, , , , , , , , , , , , , , , , , , , ,		
		·	·	nd reuse as an alternative water supply, such as potabl			xisting reuse sy	stems, aquifer re	echarge, etc. If	f
				xpenditures should reflect only those costs associated						
				opment include: alternative water supply, potable reus		•		•	•	
38		and aquifer recharge, and ot	ther.							
		4. Resiliency Initiatives Related	To Climate Change: This category includes	initiatives or projects undertaken to avoid or minimize	adverse effects	of climate chan	ge. Include O&N	1 costs for these	future	
		resiliency projects and inves	tments in this table (not in part 4.1). If your	jurisdiction participates in a Local Mitigation Strategy,	include expend	itures associated	d with your wast	ewater manage	ment system i	in
		this category. Subcategories	for Resiliency Initiatives refer to the primar	ry inspiration (i.e., what the project is undertaken to av	oid or minimize	the effects of):	sea-level rise, in	creased flood e	ents, drought	. ,
39		increased inflow / infiltration	n, severe storm impact / mitigation, and oth	ner.						
		5. End of Useful Life Replaceme	ent Projects: Rather than reporting the exac	ct number of useful years remaining for individual comp	oonents, this se	ction is construc	ted to focus on	infrastructure c	omponents tha	at
		are targeted for replacemen	t and will be major expenses within the 20-	year time horizon. Major replacements may include pip	oe networks, tre	atment units, p	ump stations, pl	nysical/biologica	l filter media,	
			5	nce and replacement projects as used in this part, only i					, ,	
				penditures over the most recent five-year period (fiscal	years 2016-201	7 to 2020-2021)	. Subcategories	refer to the par	t of the	
40		wastewater system being re	placed: collection system (pipes), lift station	n or component, treatment facility, and other.						

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1	ь.		ructure costs associated with new conne	tives. Unlike other parts of this needs analysis, th ctions typically borne by customers. Additionally					
3			nt and Effluent Water Quality Projects. P and Part 5.5 is on Septic to Sewer Conve	art 5.2 focuses on Reuse Projects. Part 5.3 addre	sses Resiliency Initia	tives Related to	Climate Change	. Part 5.4 contai	ns End of
		ese tables, you are asked to choose cted expenditures using 5-year inc	•	gory from a dropdown menu, enter the name of	the project or initiat	ive, and provide	e the current yea	ar's expenditure	s and the
7		re are too many projects to includ roject/initiative name and expend	′'	Additional Projects" tab. There, you can use dro	pdown lists to choos	e the funding so	ource type, cate	gory, subcatego	ry, and enter
Pa	rt 5.1 E	ffluent Management and Water (Quality Projects						
1	choos	se a project category (Effluent Mar	nagement or Water Quality) from the dro	jects with a committed funding source and then op down menu in the "Category" column. Your cestimates in the appropriate time intervals.			•		
		, ,	projects benefit both effluent managem	ent and water quality, please use your best judg	ment and simply sele	ect the primary o	driver from the t	wo categories b	elow.
	Comi	nitted Funding Source	Project ID Informatio	n		Expen	ditures (in \$thou	usands)	
		Category	Subcategory	Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
l									
l									
<u></u>									
2 3 4									
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78	Α υ	C	U	L	'	- G	11		J
79	No Ide	entified Funding Source							
80			Project ID Informat	on		Expen	ditures (in \$tho	usands)	
		Category	Subcategory	Project Name	LFY 2021-2022	2022-23 to	2027-28 to	2032-33 to	2037-38 to
81						2026-27	2031-32	2036-37	2041-42
82 83		Water Quality	advanced wastewater treatment	WWTP Expansion/Improvements	\$ -	\$ 3,000		\$ -	\$ -
83		Water Quality Water Quality	other	Grit and Sand Removal	\$ - \$ -	\$ 400 \$ 35	\$ - \$ -	\$ 400 \$ -	\$ -
85		water quality	other	Remote Monitoring CL2	\$ -	\$ 35	\$ -	\$ -	Ş -
84 85 86 87									
87									
88									
89									
88 89 90 91 92 93 94 95 96 97 98 99 100 101									
91									
92									
93									
95									
96									
97									
98									
99									
100									
101					ļ			ļ	
103	Please	e indicate which resources or doc	uments you used to complete table 5.1	(check all that apply).					
104			Wastewater Master Plan						
105			Basin Studies or Engineering Reports						
106			Adopted BMAP						
107			Adopted Total Maximum Daily Load						
108			Wastewater Facility Capacity Report						
109			Regional or Basin-specific Water Qual	ty Improvement Plan or Restoration Plan					
110			Specify:						
111		~	Other(s):	NAU CIP/R&R Draft Budget and WWTP Op Permit					

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112	., 5			-					, , , , , , , , , , , , , , , , , , , ,
113	Part 5.2 F	Reuse Development Projects							
114									
115	Pleas	se list any reuse development pro	ojects. Include O&M costs for these projec	cts in this table (not in part 4.1).					
116									
117	Com	mitted Funding Source							
118			Project ID Information	on			ditures (in \$thou		,
		Subcategory		Project Name	LFY 2021-2022	2022-23 to	2027-28 to	2032-33 to	2037-38 to
119		,				2026-27	2031-32	2036-37	2041-42
120									
121						-			
122									
120 121 122 123 124 125 126 127 128 129 130						1			
124									
126									
127									
128									
129									
130			1		•	•	I.		
131	No Id	dentified Funding Source							
132			Project ID Information	on			ditures (in \$thou		
133		Subcategory		Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
134		expansion of existing reuse systems	Alternate Effluent Disposal Study		\$ -	\$ 60	\$ -	\$ -	\$ -
135		expansion of existing reuse systems	Reuse GST or Additional RIB		\$ -	\$ -	\$ 2,000	\$ -	\$ -
136		expansion of existing reuse systems	Summer Beach Golf Course Reuse Line	Activation	\$ -	\$ -	\$ 350	\$ -	\$ -
137									
138									
139									
140									
141									
137 138 139 140 141 142 143									
143 144			L			1			
144									

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1/15		c	rt of resiliency initiatives related to climat		F	G	Н	ı	J K
146	rait 3.5 W	rastewater projects that are par	it of resiliency findatives related to clima	te change					
140	Plance	a list any wastowator infrastruc	ture relocation or modification projects a	and new capital investments undertaken to	o avoid or minimizo any	adverse effects o	of climato chang	n Includo OSM	costs for those
4.47			nents in this table (not in part 4.1).	and new capital investments undertaken to	o avoid or minimize any	auverse effects o	or chimate chang	e. Iliciade Oxivi	costs for these
147	luture	e resiliency projects and investir	ients in this table (not in part 4.1).						
148 149	Comn	nitted Funding Source							
150	Comm	Thirtied I driding Source	Project ID Informatio	nn		Fynen	ditures (in \$thou	ısands)	
130						2022-23 to	2027-28 to	2032-33 to	2037-38 to
151		Subcategory		Project Name	LFY 2021-202	2026-27	2031-32	2032-33 to	2041-42
		reduce inflow / infiltration	Inflow and Infiltation Reduction (Settle	ment Agreement)	\$ 650	_		\$ -	\$ -
153		, , , , , , , , , , , , , , , , , , , ,		0	, v	7 330	7	7	7
154									
155									
156									
157									
158									
159									
160									
161									
152 153 154 155 156 157 158 159 160 161 162 163	No Ide	entified Funding Source							
164			Project ID Informatio	on		Expen	ditures (in \$thou	ısands)	
		Subcategory		Project Name	LFY 2021-202	2022-23 to	2027-28 to	2032-33 to	2037-38 to
165				•	LFT 2021-202	2026-27	2031-32	2036-37	2041-42
166		reduce inflow / infiltration	Sewer Line Improvements and Upgrade	es	\$	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
167									
168									
169									
170									
1/1									
172									
174									
166 167 168 169 170 171 172 173 174 175									
176			_ L		ļ	L	l		

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177 Part 5.4 The estimated remaining useful life of each facility or its major components (Section 403.9301(3)(e), F.S.)

Please list major replacement projects for aging infrastructure. Major replacements may include pipe networks, treatment units, pump stations, physical/biological filter media, biosolids dryers, etc. A major project is one with expenses greater than 5% of the jurisdiction's total O&M expenditures over the most recent five-year period (fiscal years 2016-2017 to 2020-2021).

Committed Funding Source

	Project ID Information				Expen	diture	es (in \$thou	ısano	ds)		
Subsatagon	Project Name	LEV 20	21-2022	202	2-23 to	20	27-28 to	20	032-33 to	2037	7-38 to
t station or component eatment facility t station or component	Project Name	LF1 20.	21-2022	20	26-27	2	031-32	2	2036-37	204	41-42
collection system (pipes)	Unplanned Collection System R&R	\$	108	\$	175	\$	175	\$	175	\$	175
lift station or component	Unplanned LS R&R	\$	108	\$	175	\$	175	\$	175	\$	175
treatment facility	Unplanned WWTP R&R	\$	108	\$	350	\$	350	\$	350	\$	350
lift station or component	Lift Station 27 Rehab	\$	72	\$	330	\$	-	\$	-	\$	-
other	Monitoring Well Abandonment, Relocation and Replacement	\$	-	\$	80	\$	-	\$	-	\$	-

No Identified Funding Source

	Project ID Information		Expend	ditures (in \$thou	usands)	
Subcategory	Project Name	LFY 2021-2022	2022-23 to	2027-28 to	2032-33 to	2037-38 to
Subcategory	Fioject Name	LFY 2021-2022	2026-27	2031-32	2036-37	2041-42
lift station or component	Lift Station Rehab/Repair Program	\$ -	\$ 500	\$ 500	\$ 500	\$ 500
treatment facility	Replace blower at wastewater treatment plant	\$ -	\$ 225	\$ -	\$ 300	\$ -
other	Replace DI reuse piping with PVC program	\$ -	\$ 270	\$ -	\$ -	\$ -
lift station or component	Convert lift stations into submersible lift stations program (2 per year).	\$ -	\$ 2,250	\$ -	\$ -	\$ -
lift station or component	Rehab Plant Lift Station	\$ -	\$ 175	\$ -	\$ -	\$ -
treatment facility	Chlorine contact tank repairs	\$ -	\$ 220	\$ -	\$ -	\$ -
treatment facility	Replace or repair existing reject pond liner	\$ -	\$ 750	\$ -	\$ -	\$ -
treatment facility	Rehab and coat the aerobic digester to extend the life of the structure.	\$ -	\$ 400	\$ -	\$ -	\$ -
treatment facility	Execute electrical design of Instrumentation replacement and provide SCADA system to	\$ -	\$ 785	\$ -	\$ -	\$ -
treatment facility	Rehab the existing pond to prevent erosion and restore the pond bottom elevations	\$ -	\$ 1,240	\$ -	\$ -	\$ -

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rt 5.5 S	Septic to Sewer Conversion Initiati	ives						
List a	any septic to sewer initiatives in the	he following tables. Unlike other parts	of this needs analysis, this section distinguishes bet	ween the utility's	direct expense	es (e.g., for colle	ction mains) an	d the projecte
initia	atives.							
Comi	mitted Funding Source							
•		Initiative Information	on		Expen	ditures (in \$thou	ısands)	
				2026-27 2031-32 2036-37 2041-42 143 \$ 4,915 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$				
	Initia	ative Name	Estimated Number of Connections	Expenditures (in \$thousands)				
	American Beach Septic to Sewer		14	3 \$ 4,915				
No Id	dentified Funding Source							
		Initiative Information	on					
	Initia	ative Name	Estimated Number of Connections	LEV 2021-2022				
	IIICie	anve runic	Estimated Number of Connections	LI I 2021-2022	2026-27	2031-32	2036-37	2041-42

Α	В С	D	E	F	G	Н	I	J
	All Customer Expenses							
242		Initiative Information	on		Expen	ditures (in \$tho	usands)	
	Initia	ative Name	Estimated Number of Connections	LFY 2021-2022	2022-23 to	2027-28 to	2032-33 to	2037-38 to
143 144 145 146 147 148 149 150 151 152 153 154					2026-27	2031-32	2036-37	2041-42
44	American Beach Septic to Sewer		14:	3 \$ -	\$ 858	\$ -	\$ -	Ş -
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
.55								
56 57	Continue to Part 6							
5 7								

	Α	В	С	D	Е	F	G	Н	I J	K L
1										
					•	, expenditures from, and	d balances of any capita	l account for maintenance of	or expansion of any f	acility or its major
	com	npon	ents. (Section 40)3.9301(3)(f), F.S.)					
3										
ا ا		Th:a				/2\/a\	historical avacaditumas	\		" a.u.a.a.a.di.t.u.a.a
4		11115	part of the temp	Diate also address	es a portion of 5. 405.9501	.(3)(g), r.3., by including	nistoricai expenditures.	Many local governments refe	er to triese as actual	expenditures.
		Con	sistant with over	anditura projectio	ns the jurisdiction's actua	Lovnondituros aro cator	arizad into routing OP.M	, effluent management, wate	or quality, rouse dove	Johnsont recilioner
			•					cludes space for reserve acc		•
6			•		•		• •	o cover future expenditures.	•	tation of
6 8 9 10			· .	. , , , ,	•	•	• • • • • • • • • • • • • • • • • • • •	•		
8		Unii	ke Part 5, nistori	cai expenditures a	are aggregated by individu	ai year and category; the	ey are not separated by i	ndividuai project.		
10			that for this tak							
11					2020-21 can be estimated					
					•	• •	• .	and unexpended balances for	rom the prior year (b	alance forward or
13				•	rked for the rainy day or a					
13						<u> </u>		rom any form of debt, includ account but it does not fit in	01 1	
14			the O&M catego		o accumulate fullus for a s	specific future experiultu	re. Il you have a reserve	account but it does not ne in	ito a specific category	, please assign it to
14 15				•	type of working capital fur	nd typically used to addr	ess costs associated with	emergencies or unplanned	events.	
10		The	sum of the value	es reported in the	"Funding Sources for Actu	al Expenditures" column	s should equal the total	"Actual Expenditures" amou	nt. The cells in the "F	unding Sources for
17					ighlighted red if their sum			μ		0
19		If vo	u do not have a	formal reserve de	dicated to your wastewate	er system inlease enter z	ero for the final two res	erve columns		
20		, 0	a do not nave a	ionnarieserve de	alcated to your wastewate	er system, prease enter z	cro for the final two rest	arve columns.		
21		Rou	tine O&M							
17 19 20 21 22				Total		Funding Sources fo	r Actual Expenditures			
				Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
23				Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
24			2016-17							
25			2017-18							
23 24 25 26 27 28		ŀ	2018-19							
27		ŀ	2019-20							
28		L	2020-21							

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30	Effluent Manageme	nt					•	<u> </u>
31		Total		Funding Sources for	Actual Expenditures			
		Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
32		Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
33	2016-17							
34	2017-18							
35	2018-19							
36	2019-20							
37	2020-21							
38								
39	Water Quality	-						
40		Total		Funding Sources for	Actual Expenditures			
		Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
41		Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
42	2016-17							
43	2017-18							
44	2018-19							
45	2019-20							
46	2020-21	\$ 544						
47								
48	Reuse Development							
49		Total			Actual Expenditures		_	
		Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
50		Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
51	2016-17							
52	2017-18							
53	2018-19							
54	2019-20							
55	2020-21							
56								

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57	Resiliency		<u>-</u>	·	<u> </u>			<u> </u>
58		Total		Funding Sources for	Actual Expenditures			
		Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
59		Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
60	2016-17							
61	2017-18							
62	2018-19							
63	2019-20							
64	2020-21	\$ 87						
65								
66	Replacement of Agir	ng Infrastructure						
67		Total		Funding Sources for	Actual Expenditures			
		Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
68		Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
69	2016-17							
70	2017-18							
71	2018-19							
72	2019-20							
73	2020-21	\$ 231						
74								
75	Septic to Sewer Initia							
76		Total			Actual Expenditures			
		Actual	Amount Drawn from	Amount Drawn from	Amount Drawn from	Amount Drawn from All-	Contributions to	Balance of Reserve
77		Expenditures	Current Year Revenues	Bond Proceeds	Dedicated Reserve	Purpose Rainy Day Fund	Reserve Account	Account
78	2016-17							
79	2017-18							
80	2018-19							
81	2019-20							
82	2020-21							
83	·	·		·	·		·	

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	O The local government's plan to litures with an evaluation of how								tori	cal and estimated	future revenues	3 6
cal fun	this template, the historical data c culation. The first two tables will he nding sources, i.e., EDR assumes the tomated the calculation of project	pe auto-filled from the data hat all committed projects	a you re have co	eported in prior tab ommitted revenues	les.	To do this, EDR will	rely c	on this template's work	ing	definition of proje	cts with committ	
		ea ramama gapo sasca em										
	Committed Fun	ding Source		2022-23 to		2027-28 to		2032-33 to		2037-38 to 2041-42		
3 9	Maintenance		\$	2026-27 6,185	\$	2031-32 6,931	ς	2036-37 7,803	\$	8,786		
1	Effluent Management		\$	- 0,103	\$		\$		\$	-		
	Water Quality		\$	-	\$	-	\$	-	\$	-		
	Reuse Development		\$	-	\$	-	\$	-	\$	-		
3	Resiliency Initiatives		\$	350	\$	-	\$	-	\$	-		
<u> </u>	Replacement/Aging Infrastructu	re	\$	1,110	\$	700	\$	700	\$	700		
2	Septic to Sewer Initiatives Total Committed Revenues		\$	-	\$	-	\$	-	\$	-		
5	(=Total Committed Projects)		\$	7,645	\$	7,631	\$	8,503	\$	9,486		
7	,			-			!	-				
3	No Identified Fur	nding Source		2022-23 to 2026-27		2027-28 to 2031-32		2032-33 to 2036-37		2037-38 to 2041-42		
9	Maintenance		\$	-	\$	-	\$	-	\$	-		
0	Effluent Management		\$	- 2 425	\$	-	\$	-	\$	-		
1 2	Water Quality Reuse Development		\$	3,435 60	\$	2,350	\$	400	\$	-		
3	Resiliency		\$	5,000	\$	5,000	\$	5,000	\$	5,000		
4	Replacement/Aging Infrastructu	re	\$	6,815	\$	500	\$	800	\$	500		
5	Septic to Sewer Initiatives		\$	-	\$	-	\$		\$			
	Projected Funding Gap		\$	15,310	¢	7.850	\$	6,200	\$	5,500		
6	(=Total Non-Committed Needs)		,	13,310	7	7,650	7	0,200	7	3,300		
	the table below, please list any sporements.	ecific strategies that will cl	ose or le	essen a projected f	undi	ing gap. For each str	ategy	,, also include the expe	ectec	d new revenue wit	hin the five-year	
0	Strategies for New Funding Sources	Category Addressed		2022-23 to 2026-27		2027-28 to 2031-32		2032-33 to 2036-37		2037-38 to 2041-42		
1 2 3												
4 5 6												
6	Total	l	\$		\$	-	\$	-	\$	-		
7												
8	Remaining Unfunded Needs		\$	15,310	\$	7,850	\$	6,200	\$	5,500		