

From: [Andrew Grammer](#)
To: [Hamilton, Elizabeth A CIV USARMY CESAM \(USA\)](#)
Subject: [Non-DoD Source] Landowners and Impacts // SAM-2019-00914-ES // NextEra Energy Pipeline Holdings (Lowman), Inc.
Date: Friday, July 10, 2020 4:53:18 PM
Attachments: [Loman Pipeline Project Landowner Line List 2020 0710.xlsx](#)
[Attachment 8b Waterbodies Impacts 06292020.pdf](#)
[Attachment 8a Wetlands Impacts 06272020.pdf](#)
[Waters of the US Data 06-29-2020.kmz](#) FOIA Note: Cannot process .kmz file

Ms. Hamilton,

Please find attached the landowner line list, which includes all impacted landowners and abutters; projects impacts tables for wetlands and waterbodies across the entire Project; and an updated KMZ that reflects the current route and represented impacts. Let us know if you would like the owners and addresses in a different or specific format. Otherwise, please let us know if you have any questions.

Thank you,

Andrew

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Attachment 8a Wetlands Impacts Table

Lowman Pipeline Project

NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approx. MP	Type	Latitude	Longitude	Crossing Method	15-ft. Easement Impacts	30-ft. Easement Impacts	Temporary Impacts	Total Impacts	Length Crossed by Pipeline Centerline (ft)
W1117 PEM	0.00	PEM			Open Cut	0.0000	0.0000	0.0225	0.0225	0
W2032 PFO	0.26	PFO			Open Cut	0.0000	0.0000	0.0399	0.0399	0
W2033 PFO	0.31	PFO			Open Cut	0.0305	0.0310	0.1022	0.1637	88
W2034 PFO	0.41	PFO			Open Cut	0.0258	0.0223	0.0653	0.1134	80
W2078 PFO	0.53	PFO			Open Cut	0.0112	0.0114	0.0687	0.0913	33
W2039 PFO	0.95	PFO			Open Cut	0.0702	0.0801	0.2556	0.4060	186
W2040 PFO	1.17	PFO			Open Cut	0.0000	0.0000	0.0207	0.0207	0
W2144 PFO	1.72	PFO			Open Cut	0.0000	0.0011	0.0328	0.0339	0
W1151 PFO	2.01	PFO			Open Cut	0.0335	0.0329	0.0902	0.1566	97
W1150 PSS	2.10	PSS			Open Cut	0.0136	0.0138	0.0584	0.0859	40
W1149 PFO	2.26	PFO			Open Cut	0.0198	0.0197	0.0959	0.1354	58
W2070 PSS	2.34	PSS			Open Cut	0.0158	0.0160	0.0493	0.0811	44
W2071 PSS	2.49	PSS			Open Cut	0.0055	0.0058	0.0251	0.0364	16
W2129 PFO	3.95	PFO			Open Cut	0.0000	0.0000	0.0182	0.0182	0
W2127 PFO	4.05	PFO			Open Cut	0.0000	0.0000	0.0004	0.0004	0
W2126 PFO	4.14	PFO			Open Cut	0.0852	0.1050	0.0377	0.2278	299
W2124 PFO	4.14	PFO			Open Cut	0.0000	0.0000	0.0390	0.0390	0
W2125 PFO	4.27	PFO			Open Cut	0.0967	0.0584	0.0867	0.2418	359
W2121 PEM	4.34	PEM		(b)(7)f	Open Cut	0.0019	0.0216	0.0727	0.0962	0
W2101 PFO	4.62	PFO			Open Cut	0.0816	0.0705	0.0988	0.2510	139
W2117 PFO	4.78	PFO			Open Cut	0.0892	0.0615	0.0721	0.2229	254
W2116 PFO	4.81	PFO			Open Cut	0.0000	0.0000	0.0186	0.0186	0
W1106 PSS	4.84	PSS			Open Cut	0.0044	0.0202	0.0122	0.0368	0
W2115 PFO	4.90	PFO			Open Cut	0.0000	0.0095	0.0260	0.0355	0
W2114 PFO	5.03	PFO			Open Cut	0.0813	0.0401	0.0497	0.1710	265
W2114 PEM	5.06	PEM			Open Cut	0.0132	0.0200	0.0192	0.0523	17
W2113 PFO	5.17	PFO			Open Cut	0.0292	0.0206	0.0065	0.0564	89
W2111 PFO	5.28	PFO			Open Cut	0.0946	0.0822	0.0677	0.2445	323
W2112 PEM	5.28	PEM			Open Cut	0.0000	0.0000	0.0005	0.0005	0
W2110 PFO	5.46	PFO			Open Cut	0.0000	0.0087	0.0169	0.0255	0
W1105 PFO	5.51	PFO			Open Cut	0.0000	0.0000	0.0004	0.0004	0
W2109 PFO	5.56	PFO			Open Cut	0.0757	0.0787	0.1161	0.2705	203
W2108 PFO	5.60	PFO			Open Cut	0.0000	0.0000	0.0057	0.0057	0
W2107 PFO	5.75	PFO			Open Cut	0.1271	0.1540	0.4907	0.7718	253
W2106 PEM	5.86	PEM			Open Cut	0.0004	0.0052	0.0252	0.0307	0
W2133 PFO	6.41	PFO			Open Cut	0.0372	0.0316	0.0198	0.0885	131
W2134 PFO	6.41	PFO			Open Cut	0.0000	0.0000	0.1073	0.1073	0

Attachment 8a Wetlands Impacts Table
 Lowman Pipeline Project
 NextEra Energy Pipeline (Lowman), Inc.

W2136 PEM	6.53	PEM	Open Cut	0.0237	0.0295	0.0787	0.1319	73
W2135 PFO	6.61	PFO	Open Cut	0.0000	0.0000	0.0573	0.0573	0
W2136 PSS	6.70	PSS	Open Cut	0.0135	0.0238	0.0728	0.1101	0
W2136 PFO	6.71	PFO	Open Cut	0.4126	0.3604	0.8655	1.6385	1,180
W2135 PSS	6.74	PSS	Open Cut	0.0000	0.0000	0.1624	0.1624	0
W1100 PEM	6.99	PEM	Open Cut	0.0000	0.0000	0.0027	0.0027	0
W1101 PEM	7.01	PEM	Open Cut	0.0182	0.0067	0.0002	0.0251	49
W1099 PEM	7.59	PEM	Open Cut	0.0052	0.0058	0.0097	0.0208	2
W1096 PFO	7.77	PFO	Open Cut	0.0091	0.0056	0.0117	0.0265	33
W1095 PFO	7.88	PFO	Open Cut	0.0000	0.0000	0.0067	0.0067	0
W1098 PFO	7.98	PFO	Open Cut	0.0870	0.1754	0.5694	0.8318	0
W1094 PFO	8.10	PFO	Open Cut	0.0000	0.0000	0.0003	0.0003	0
W1093 PEM	8.16	PEM	Open Cut	0.0000	0.0000	0.0469	0.0469	0
W1082 PEM	8.27	PEM	Open Cut	0.0000	0.0071	0.0156	0.0228	0
W1083 PEM	8.35	PEM	Open Cut	0.0032	0.0083	0.0018	0.0133	0
W1084 PEM	8.44	PEM	Open Cut	0.0007	0.0257	0.0380	0.0644	0
W1110 PSS	8.51	PSS	Open Cut	0.0044	0.0119	0.0530	0.0693	0
W1111 PEM	8.62	PEM	Open Cut	0.0830	0.0806	0.6505	0.8141	188
W1112 PFO	8.71	PFO	Open Cut	0.0000	0.0019	0.0598	0.0616	0
W1086 PEM	8.76	PEM	Open Cut	0.0505	0.0124	0.0000	0.0628	105
W1085 PEM	8.77	PEM	Open Cut	0.0000	0.0000	0.0022	0.0022	0
W1089 PFO	8.96	PFO	Open Cut	0.0000	0.0000	0.0199	0.0199	0
W1092 PEM	9.09	PEM	Open Cut	0.1818	0.0746	0.0365	0.2930	726
W1090 PEM	9.12	PEM	Open Cut	0.0000	0.0000	0.0834	0.0834	0
W2141 PFO	9.29	PFO	Open Cut	0.0748	0.0755	0.4590	0.6092	204
W2141 PEM	9.35	PEM	Open Cut	0.0370	0.0500	0.0968	0.1838	95
W2143 PSS	9.42	PSS	Open Cut	0.1207	0.1031	0.0503	0.2740	399
W2143 PEM	9.45	PEM	Open Cut	0.0936	0.0789	0.0518	0.2243	304
W2142 PEM	9.54	PEM	Open Cut	0.0010	0.0016	0.0118	0.0144	0
W2140 PFO	9.62	PFO	Open Cut	0.0711	0.0669	0.1795	0.3175	221
W2146 PEM	9.89	PEM	Open Cut	0.0084	0.0083	0.0316	0.0483	24
W2137 PFO	9.92	PFO	Open Cut	0.0077	0.0086	0.0393	0.0557	23
W2139 PFO	10.39	PFO	Open Cut	0.0207	0.0210	0.0773	0.1189	60
W2095 PFO	10.72	PFO	Open Cut	0.0109	0.0070	0.0009	0.0188	31
W2092 PFO	10.88	PFO	Open Cut	0.0048	0.0051	0.0171	0.0270	14
W2086 PFO	10.99	PFO	Open Cut	0.0153	0.0172	0.0503	0.0828	43
W2085 PFO	11.13	PFO	Open Cut	0.0396	0.0378	0.1055	0.1828	111

(b)(7)F

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W2084 PSS	11.18	PSS	(b)(7)f	Open Cut	0.0026	0.0023	0.0119	0.0168	7
W2084 PEM	11.24	PEM	(b)(7)f	Open Cut	0.0173	0.0183	0.0769	0.1124	49
W2084 PFO	11.25	PFO	(b)(7)f	Open Cut	0.0889	0.0845	0.2382	0.4115	262
W2083 PEM	11.52	PEM	(b)(7)f	Open Cut	0.0119	0.0094	0.0115	0.0328	40
W2082 PSS	11.57	PSS	(b)(7)f	Open Cut	0.0000	0.0000	0.0089	0.0089	0
W1051 PFO	12.53	PFO	(b)(7)f	Open Cut	0.0118	0.0050	0.0443	0.0611	41
W1050 PSS	13.05	PSS	(b)(7)f	Open Cut	0.0062	0.0150	0.1312	0.1524	11
W1050 PFO	13.09	PFO	(b)(7)f	Open Cut	0.0347	0.0345	0.1013	0.1704	101
W1049 PFO	13.23	PFO	(b)(7)f	Open Cut	0.0227	0.0218	0.0618	0.1063	66
W1049 PSS	13.23	PSS	(b)(7)f	Open Cut	0.0000	0.0000	0.0012	0.0012	0
W1048 PSS	13.68	PSS	(b)(7)f	Open Cut	0.0075	0.0071	0.0180	0.0326	21
W1065 PSS	13.86	PSS	(b)(7)f	Open Cut	0.0252	0.0247	0.0710	0.1209	73
W1066 PEM	14.12	PEM	(b)(7)f	Open Cut	0.0318	0.0320	0.0703	0.1341	92
W1053 PSS	14.18	PSS	(b)(7)f	Open Cut	0.0038	0.0037	0.0114	0.0188	11
W1054 PEM	14.20	PEM	(b)(7)f	Open Cut	0.0284	0.0284	0.1068	0.1636	83
W1054 PSS	14.21	PSS	(b)(7)f	Open Cut	0.0392	0.0393	0.1527	0.2312	114
W1054 PFO	14.24	PFO	(b)(7)f	Open Cut	0.0392	0.0387	0.1112	0.1890	114
W1055 PEM	14.27	PEM	(b)(7)f	Open Cut	0.0192	0.0188	0.0585	0.0964	56
W1056 PFO	14.45	PFO	(b)(7)f	Open Cut	0.0058	0.0060	0.0924	0.1043	17
W1059 PFO	14.69	PFO	(b)(7)f	Open Cut	0.0133	0.0131	0.0433	0.0697	39
W1058 PFO	14.81	PFO	(b)(7)f	Open Cut	0.0149	0.0151	0.0535	0.0835	43
W1057 PSS	14.82	PSS	(b)(7)f	Open Cut	0.0068	0.0070	0.0235	0.0373	20
W1064 PFO	14.89	PFO	(b)(7)f	Open Cut	0.0051	0.0088	0.0318	0.0458	0
W1064 PEM	14.91	PEM	(b)(7)f	Open Cut	0.0152	0.0154	0.0488	0.0793	45
W1061 PFO	15.40	PFO	(b)(7)f	Open Cut	0.0048	0.0083	0.0376	0.0507	0
W2081 PFO	15.59	PFO	(b)(7)f	Open Cut	0.0109	0.0112	0.0311	0.0533	32
W2080 PFO	15.75	PFO	(b)(7)f	Open Cut	0.0000	0.0000	0.0157	0.0157	0
W2079 PFO	15.88	PFO	(b)(7)f	Open Cut	0.0163	0.0171	0.0446	0.0780	46
W2077 PFO	15.96	PFO	(b)(7)f	Open Cut	0.0000	0.0000	0.0002	0.0002	0
W2076 PFO	16.09	PFO	(b)(7)f	Open Cut	0.0109	0.0129	0.0407	0.0646	31
W2076 PEM	16.17	PEM	(b)(7)f	Open Cut	0.0109	0.0108	0.0430	0.0648	32
W2074 PFO	16.30	PFO	(b)(7)f	Open Cut	0.1283	0.1209	0.3519	0.6011	378
W1079 PEM	16.36	PEM	(b)(7)f	Open Cut	0.0053	0.0052	0.0019	0.0124	12
W2027 PSS	16.41	PSS	(b)(7)f	Open Cut	0.0326	0.0319	0.1159	0.1804	95
W1078 PEM	16.48	PEM	(b)(7)f	Open Cut	0.0000	0.0000	0.0078	0.0078	0
W2027 PFO	16.72	PFO	(b)(7)f	Open Cut	0.0000	0.0000	0.2354	0.2354	298
W2025 PEM	16.92	PEM	(b)(7)f	Open Cut	0.1484	0.1482	0.6232	0.9198	430

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W2066 PEM	17.07	PEM	Open Cut	0.0215	0.0221	0.0822	0.1257	62
W2065 PFO	17.20	PFO	Open Cut	0.0700	0.0706	0.2122	0.3529	203
W2065 PEM	17.22	PEM	Open Cut	0.0142	0.0128	0.0308	0.0578	42
W2067 PEM	17.43	PEM	Open Cut	0.3316	0.3288	1.0369	1.6972	964
W2068 PEM	17.66	PEM	Open Cut	0.2918	0.2935	0.9021	1.4875	847
W2068 PSS	17.79	PSS	Open Cut	0.1081	0.1063	0.3125	0.5269	315
W1076 PSS	18.19	PSS	Open Cut	0.0080	0.0105	0.0815	0.0999	19
W1075 PEM	18.27	PEM	Open Cut	0.0000	0.0000	0.0194	0.0194	0
W2053 PFO	18.32	PFO	Open Cut	0.1223	0.1245	0.3963	0.6431	354
W2050 PFO	18.56	PFO	Open Cut	0.0208	0.0151	0.0356	0.0716	62
W2051 PFO	18.58	PFO	Open Cut	0.0000	0.0000	0.0035	0.0035	0
W2054 PFO	18.78	PFO	Open Cut	0.0349	0.0351	0.1134	0.1835	102
W2054 PEM	18.85	PEM	Open Cut	0.1809	0.1874	0.6160	0.9843	528
W2056 PEM	19.02	PEM	Open Cut	0.0078	0.0087	0.0438	0.0603	22
W2103 PEM	19.12	PEM	Open Cut	0.0106	0.0107	0.1094	0.1307	31
W2104 PEM	19.19	PEM	Open Cut	0.0000	0.0000	0.0997	0.0997	0
W2058 PFO	19.46	PFO	Open Cut	0.1046	0.1009	0.3453	0.5509	306
W2061 PFO	19.60	PFO	Open Cut	0.0063	0.0042	0.0094	0.0199	21
W2062 PFO	19.84	PFO	Open Cut	0.0182	0.0191	0.0435	0.0809	52
W1045 PEM	20.42	PEM	Open Cut	0.0000	0.0000	0.0000	0.0000	0
W1044 PEM	20.43	PEM	Open Cut	0.0029	0.0029	0.0125	0.0182	8
W1043 PFO	20.66	PFO	Open Cut	0.0252	0.0232	0.0754	0.1237	75
W2049 PFO	21.02	PFO	Open Cut	0.1231	0.1211	0.3709	0.6151	359
W2049 PEM	21.10	PEM	Open Cut	0.0011	0.0041	0.0282	0.0334	0
W2048 PFO	21.31	PFO	Open Cut	0.0312	0.0325	0.1044	0.1682	89
W1031 PFO	21.90	PFO	Open Cut	0.0000	0.0000	0.0141	0.0141	0
W1031 PEM	22.00	PEM	Open Cut	0.2388	0.2422	1.4381	1.9192	695
W1037 PEM	23.17	PEM	Open Cut	0.0000	0.0000	0.0171	0.0171	0
W2041 PEM	25.32	PEM	Open Cut	0.0000	0.0000	0.0042	0.0042	0
W2047 PEM	25.46	PEM	Open Cut	0.0000	0.0000	0.0028	0.0028	0
W2046 PFO	25.51	PFO	Open Cut	0.0276	0.0335	0.1008	0.1618	70
W2045 PFO	25.70	PFO	Open Cut	0.0213	0.0165	0.0201	0.0579	68
W2044 PFO	25.87	PFO	Open Cut	0.0182	0.0235	0.0483	0.0900	51
W2043 PFO	25.94	PFO	Open Cut	0.0134	0.0120	0.0470	0.0724	38
W9003 PFO	27.00	PFO	Open Cut	0.3697	0.3707	1.3165	2.0569	1,069
W1154 PSS	27.14	PSS	Open Cut	0.1500	0.1468	0.6647	0.9615	442
W9012 PFO ¹	27.17	PFO	Open Cut	0.0000	0.0000	0.0257	0.0257	0

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Feature ID	Approx. MP	Type	Latitude	Longitude	Crossing Method	15-ft. Easement Impacts	30-ft. Easement Impacts	Temporary Impacts	Total Impacts	Length Crossed by Pipeline Centerline (ft)
W1152 PFO	27.22	PFO			Open Cut	0.0702	0.0683	0.3099	0.4484	229
W2042 PFO	27.47	PFO			Open Cut	0.0000	0.0000	0.0402	0.0402	0
W2038 PFO	27.60	PFO			Open Cut	0.1899	0.1912	0.5587	0.9398	551
W2037 PEM	29.09	PEM			Open Cut	0.0000	0.0000	0.0066	0.0066	0
W2036 PFO	29.22	PFO			Open Cut	0.0047	0.0062	0.0153	0.0262	13
W2035 PFO	29.32	PFO			Open Cut	0.0143	0.0129	0.0302	0.0574	41
W1029 PFO	30.94	PFO			Open Cut	0.0438	0.0414	0.0954	0.1806	127
W1028 PEM	30.97	PEM			Open Cut	0.0061	0.0042	0.0091	0.0194	19
W2151 PEM	32.42	PEM			Open Cut	0.0051	0.0040	0.0203	0.0294	16
W2151 PFO	32.43	PFO			Open Cut	0.0107	0.0080	0.0168	0.0356	33
W1120 PFO	32.45	PFO			Open Cut	0.0000	0.0000	0.0040	0.0040	0
W2152 PEM	32.48	PEM			Open Cut	0.0000	0.0000	0.0000	0.0000	0
W1017 PFO	32.61	PFO			Open Cut	0.0259	0.0263	0.0819	0.1341	75
W1018 PFO	32.68	PFO			Open Cut	0.0287	0.0283	0.0852	0.1423	84
W1020 PEM	32.77	PEM			Open Cut	0.0037	0.0036	0.0110	0.0183	11
W1022 PFO	33.09	PFO			Open Cut	0.2098	0.1908	0.6548	1.0555	623
W1025 PFO	33.57	PFO			Open Cut	0.0022	0.0035	0.0177	0.0234	0
W2031 PFO	33.86	PFO			Open Cut	0.0304	0.0310	0.0930	0.1544	88
W2090 PFO	34.35	PFO			Open Cut	0.0184	0.0181	0.0426	0.0792	53
W2030 PEM	34.69	PEM			Open Cut	0.0151	0.0166	0.0792	0.1108	42
W2017 PFO	35.06	PFO			Open Cut	0.0210	0.0215	0.0695	0.1120	61
W2018 PFO	35.57	PFO			Open Cut	0.0589	0.0589	0.1759	0.2937	171
W2019 PSS	35.82	PSS			Open Cut	0.0000	0.0000	0.2463	0.2463	283
W2021 PEM	36.49	PEM			Open Cut	0.0010	0.0013	0.0000	0.0024	0
W1015 PFO	36.55	PFO			Open Cut	0.0000	0.0005	0.0058	0.0063	0
W1014 PFO	36.94	PFO			Open Cut	0.1147	0.1144	0.3134	0.5426	333
W1011 PFO	38.10	PFO			Open Cut	0.0255	0.0259	0.0760	0.1273	74
W1010 PFO	38.59	PFO			Open Cut	0.0768	0.0768	0.2302	0.3838	223
W1009 PEM	39.48	PEM			Open Cut	0.0079	0.0075	0.0184	0.0338	23
W1009 PFO	39.49	PFO			Open Cut	0.0000	0.0000	0.0213	0.0213	0
W2014 PEM	39.57	PEM			Open Cut	0.0000	0.0000	0.0014	0.0014	0
W2015 PEM	39.61	PEM			Open Cut	0.0375	0.0333	0.0705	0.1413	112
W2016 PFO	40.20	PFO			Open Cut	0.0071	0.0076	0.0282	0.0429	21
W1016 PFO	40.34	PFO			Open Cut	0.0188	0.0180	0.0405	0.0772	55
W2024 PFO	41.53	PFO			Open Cut	0.0000	0.0000	0.0137	0.0137	0
W2023 PFO	41.65	PFO			Open Cut	0.0269	0.0300	0.0687	0.1256	76
W2028 PSS	42.25	PSS			Open Cut	0.0022	0.0047	0.0156	0.0225	2

(b)(7)f

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Feature ID	Approx. MP	Type	Latitude	Longitude	Crossing Method	15-ft. Easement Impacts	30-ft. Easement Impacts	Temporary Impacts	Total Impacts	Length Crossed by Pipeline Centerline (ft)
W2029 PEM	42.26	PEM			Open Cut	0.0000	0.0000	0.0118	0.0118	0
W1012 PFO	43.17	PFO			Open Cut	0.0378	0.0351	0.0970	0.1699	111
W1013 PFO	43.40	PFO			Open Cut	0.0000	0.0000	0.0105	0.0105	0
W1008 PSS	43.70	PSS			Open Cut	0.0212	0.0231	0.0988	0.1431	61
W1008 PFO	43.77	PFO			Open Cut	0.0413	0.0360	0.0954	0.1727	124
W2105 PSS	45.50	PSS			Open Cut	0.0000	0.0000	0.0049	0.0049	0
W2012 PEM	47.19	PEM			Open Cut	0.0111	0.0108	0.0298	0.0518	33
W2009 PFO	48.17	PFO			Open Cut	0.0221	0.0211	0.0653	0.1085	66
W2010 PEM	48.69	PEM			Open Cut	0.0000	0.0019	0.0371	0.0390	0
W2011 PFO	48.91	PFO			Open Cut	0.0201	0.0161	0.0370	0.0731	59
W2011 PEM	48.91	PEM			Open Cut	0.0000	0.0029	0.0260	0.0289	0
W1007 PFO	49.21	PFO			Open Cut	0.0281	0.0312	0.1080	0.1673	79
W1007 PEM	49.22	PEM			Open Cut	0.0000	0.0000	0.0133	0.0133	0
W1006 PEM	49.69	PEM			Open Cut	0.0004	0.0018	0.0099	0.0121	0
W1005 PSS	49.77	PSS			Open Cut	0.0000	0.0000	0.0448	0.0448	0
W1005 PFO	49.80	PFO			Open Cut	0.0233	0.0298	0.2394	0.2926	58
W1005 PEM	49.82	PEM			Open Cut	0.0000	0.0000	0.0095	0.0095	0
W1004 PEM	49.94	PEM			Open Cut	0.0522	0.0512	0.1405	0.2439	152
W1071 PSS	50.06	PSS			Open Cut	0.0000	0.0000	0.0004	0.0004	0
W1073 PEM	51.00	PEM			Open Cut	0.0004	0.0067	0.0476	0.0547	0
W1074 PFO	51.05	PFO			Open Cut	0.0000	0.0000	0.0818	0.0818	0
W2002 PEM	51.24	PEM			Open Cut	0.0000	0.0000	0.0126	0.0126	0
W2003 PEM	51.37	PEM			Open Cut	0.0000	0.0000	0.0023	0.0023	0
W2004 PSS	51.49	PSS			Open Cut	0.0000	0.0008	0.0709	0.0716	0
W2004 PFO	51.49	PFO			Open Cut	0.0771	0.0782	0.1609	0.3162	218
W2001 PEM	51.85	PEM			Open Cut	0.0024	0.0023	0.0086	0.0133	7
W1001 PSS	52.07	PSS			Open Cut	0.0000	0.0000	0.0236	0.0236	0
W1001 PFO	52.12	PFO			Open Cut	0.1726	0.1650	0.4735	0.8111	506
W1001 PEM	52.13	PEM			Open Cut	0.0016	0.0099	0.1349	0.1464	0
W1002 PEM	52.19	PEM			Open Cut	0.0103	0.0150	0.1411	0.1664	26
W1002 PFO	52.23	PFO			Open Cut	0.0190	0.0112	0.0367	0.0669	56
W1003 PEM	52.35	PEM			Open Cut	0.0000	0.0000	0.0139	0.0139	0
W1003 PFO	52.35	PFO			Open Cut	0.0892	0.0879	0.2857	0.4628	260
W2007 PEM	52.94	PEM			Open Cut	0.0000	0.0000	0.0133	0.0133	0
W2007 PFO	52.95	PFO			Open Cut	0.0367	0.0363	0.1014	0.1744	107
W2022 PEM	53.19	PEM			Open Cut	0.0000	0.0000	0.0136	0.0136	0
W2022 PFO	53.20	PFO			Open Cut	0.0449	0.0446	0.1220	0.2115	131

Attachment 8a Wetlands Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approx. MP	Type	Latitude	Longitude	Crossing Method	15-ft. Easement Impacts	30-ft. Easement Impacts	Temporary Impacts	Total Impacts	Length Crossed by Pipeline Centerline (ft)
W2037 PEM	AR-28.9	PEM			Timber Matting	0.0005	0.0000	0.0000	0.0005	N/A
W2151 PEM	AR-32.2-EX	PEM			Timber Matting	0.0130	0.0000	0.0000	0.0130	N/A
W2152 PEM	AR-32.4	PEM			Timber Matting	0.0158	0.0000	0.0000	0.0158	N/A
W2154 PFO	AR-32.4	PFO			Timber Matting	0.0408	0.0000	0.0000	0.0408	N/A
W1126 PEM	AR-32.5	PEM			Timber Matting	0.0112	0.0000	0.0000	0.0112	N/A
W1127 PEM	AR-32.5	PEM			Timber Matting	0.0001	0.0000	0.0000	0.0001	N/A
W1021 PSS	AR-33.1	PSS			Timber Matting	0.0479	0.0000	0.0000	0.0479	N/A
W1128 PFO	AR-33.1	PFO			Timber Matting	0.0339	0.0000	0.0000	0.0339	N/A
W2019 PFO	AR-35.1	PFO			Timber Matting	0.2026	0.0000	0.0000	0.2026	N/A
W2165 PEM	AR-35.1	PEM			Timber Matting	0.0172	0.0000	0.0000	0.0172	N/A
W2162 PEM	AR-36.5	PEM			Timber Matting	0.0210	0.0000	0.0000	0.0210	N/A
W2164 PFO	AR-36.5	PFO			Timber Matting	0.0044	0.0000	0.0000	0.0044	N/A
W2165 PFO	AR-36.5	PFO			Timber Matting	0.0025	0.0000	0.0000	0.0025	N/A
W2160 PFO	AR-36.6	PFO			Timber Matting	0.0186	0.0000	0.0000	0.0186	N/A
W2161 PFO	AR-36.6	PFO			Timber Matting	0.0620	0.0000	0.0000	0.0620	N/A
W2087 PFO	AR-39.5	PFO			Timber Matting	0.1348	0.0000	0.0000	0.1348	N/A
W2088 PEM	AR-39.5	PEM			Timber Matting	0.0462	0.0000	0.0000	0.0462	N/A
W2089 PFO	AR-39.5	PFO			Timber Matting	0.0016	0.0000	0.0000	0.0016	N/A
W1115 PEM	AR-40.2-EX	PEM			Timber Matting	0.0234	0.0000	0.0000	0.0234	N/A
W1069 PFO	AR-40.6	PFO			Timber Matting	0.3450	0.0000	0.0000	0.3450	N/A
W1006 PEM	AR-49.4	PEM			Timber Matting	0.0089	0.0000	0.0000	0.0089	N/A
W1001 PFO	AR-51.1	PFO			Timber Matting	0.0392	0.0000	0.0000	0.0392	N/A
W1002 PEM	AR-51.1	PEM			Timber Matting	0.0248	0.0000	0.0000	0.0248	N/A
W1114 PEM	AR-51.1	PEM			Timber Matting	0.0136	0.0000	0.0000	0.0136	N/A
W1001 PFO	AR-51.8	PFO			Timber Matting	0.0075	0.0000	0.0000	0.0075	N/A
W1113 PSS	AR-51.8	PSS			Timber Matting	0.0011	0.0000	0.0000	0.0011	N/A
W1001 PFO	AR-51.9	PFO			Timber Matting	0.0868	0.0000	0.0000	0.0868	N/A
W1002 PEM	AR-51.9	PEM			Timber Matting	0.0000	0.0000	0.0000	0.0000	N/A
W1002 PFO	AR-51.9	PFO			Timber Matting	0.0147	0.0000	0.0000	0.0147	N/A
W1003 PFO	AR-51.9	PFO			Timber Matting	0.0042	0.0000	0.0000	0.0042	N/A
W1003 PFO	AR-52.2	PFO			Timber Matting	0.7567	0.0000	0.0000	0.7567	N/A
W2007 PFO	AR-52.7	PFO			Timber Matting	0.0987	0.0000	0.0000	0.0987	N/A
Palustrine Emergent Total	14.5705									
Palustrine Shrub-Scrub Total	3.9325									
Palustrine Forested Total	26.2661									
Grand Total	44.7691									

¹ Photo-interpreted using current aerial imagery and publicly available data

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S1289	0.00	Ephemeral			Unnamed Trib. to Long Creek	Open Cut	60	2.5	0.004
S2047	0.31	Perennial			Unnamed Trib. to Long Creek	Open Cut	105	3.5	0.009
S2049	0.36	Intermittent			Unnamed Trib. to Long Creek	Open Cut	92	2	0.004
S2050	0.41	Ephemeral			Unnamed Trib. to Long Creek	Open Cut	142	1.5	0.005
S2119	0.52	Ephemeral			Unnamed Trib. to Long Creek	Open Cut	40	1	0.001
S2057	0.85	Intermittent			Unnamed Trib. to Long Creek	Open Cut	134	2	0.006
S2056	0.98	Perennial			Unnamed Trib. to Long Creek	Open Cut	95	4	0.009
S2058	1.61	Perennial			Unnamed Trib. to Long Creek	Open Cut	94	4	0.009
S2059	1.72	Ephemeral			Unnamed Trib. to Long Creek	Open Cut	99	2	0.005
S2111	2.35	Intermittent			Unnamed Trib. to Church Branch	Open Cut	96	2	0.004
S2112	2.49	Intermittent			Church Branch	Open Cut	77	2	0.004
S9001 ¹	3.69	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	93	4	0.009
S2190	3.99	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	332	2.5	0.019
S2189	4.05	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	312	2.5	0.018
S1287	4.10	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	42	2	0.002
P1008	4.18	Pond			Unnamed Pond	Open Cut	N/A	N/A	0.006
S2188	4.21	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	137	1.5	0.005
S2187	4.23	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	94	1.5	0.003
S2184	4.45	Perennial		(b)(7)f	Unnamed Trib. to Bogueloosa Creek	Open Cut	856	2.5	0.049
P2101	4.58	Pond			Unnamed Pond	Open Cut	N/A	N/A	0.154
S2183	4.58	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	32	3	0.002
S2182	4.85	Intermittent			Unnamed Trib. to Church Branch	Open Cut	171	1.5	0.006
S2181	4.92	Perennial			Church Branch	Open Cut	109	7	0.031
S2180	4.93	Ephemeral			Unnamed Trib. to Church Branch	Open Cut	113	2	0.005
S2179	5.00	Perennial			Unnamed Trib. to Church Branch	Open Cut	101	1.5	0.004
S2178	5.11	Perennial			Unnamed Trib. to Church Branch	Open Cut	90	2.5	0.005
S2177	5.42	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	371	5	0.043
S1285	5.43	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	31	1.5	0.001
S2175	5.62	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	297	2.5	0.017
S2173	5.78	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	85	5	0.010
S2174	5.78	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	70	1.5	0.002
S2172	5.87	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	58	2	0.003
S2196	6.43	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	101	5	0.012
S1280	6.99	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	9	3	0.001
S1279	7.48	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	70	12	0.022
S1284	7.53	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	49	3	0.004
S1274A	7.67	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	15	4.5	0.002

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S1275	7.68	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	57	3.5	0.005
S1276	7.90	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	163	2.5	0.009
S1278	8.01	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	186	15	0.053
S1273	8.02	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	84	3	0.006
S1269	8.28	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	61	1.5	0.002
S1288	8.67	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	117	4	0.011
S1270	8.92	Perennial			Buck Creek	Open Cut	140	20	0.057
S1271	9.21	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	76	5	0.009
S2214	9.57	Perennial			Unnamed Trib. to Rock Branch	Open Cut	256	2	0.012
S2213	9.64	Intermittent			Unnamed Trib. to Rock Branch	Open Cut	14	2	0.001
S2211	9.65	Ephemeral			Unnamed Trib. to Rock Branch	Open Cut	110	2	0.005
S2210	9.74	Intermittent			Unnamed Trib. to Rock Branch	Open Cut	92	2	0.004
S1312	9.87	Intermittent			Unnamed Trib. to Rock Branch	Open Cut	119	2	0.006
S2200	9.97	Perennial			Unnamed Trib. to Rock Branch	Open Cut	93	3	0.007
S2201	9.99	Perennial			Rock Branch	Open Cut	123	10	0.033
S2208	10.39	Perennial			Unnamed Trib. to Rock Branch	Open Cut	90	1.5	0.003
S2209	10.39	Intermittent			Unnamed Trib. to Rock Branch	Open Cut	15	1.5	0.001
S2145	10.57	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	10	1	0.000
S2144	10.70	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	171	1	0.004
S2143	10.72	Intermittent		(b)(7)f	Unnamed Trib. to Bogueloosa Creek	Open Cut	105	2	0.005
S2140	10.73	Perennial			Unnamed Trib. to Bogueloosa Creek	Open Cut	89	2.5	0.005
S2139	10.88	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	77	2	0.004
S2138	10.91	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	143	2	0.007
S2132	10.99	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	53	1.5	0.002
S2131	11.00	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	84	3	0.006
S2130	11.13	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	86	1.5	0.003
S2128	11.23	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	45	2.5	0.003
S2127	11.26	Intermittent			Unnamed Trib. to Bogueloosa Creek	Open Cut	36	2.5	0.002
S2125	11.56	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	47	2.5	0.003
S2124	11.57	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Open Cut	89	2.5	0.005
S1114	12.82	Ephemeral			Unnamed Trib. to Mill Branch	Open Cut	93	1	0.002
S1112	13.04	Intermittent			Unnamed Trib. to Mill Branch	Open Cut	223	3.5	0.018
S1111	13.23	Perennial			Unnamed Trib. to Mill Branch	Open Cut	92	3	0.006
S1110	13.39	Intermittent			Unnamed Trib. to Mill Branch	Open Cut	92	3	0.007
S1109	13.68	Ephemeral			Unnamed Trib. to Golden Horn Branch	Open Cut	34	2	0.002
S1108	13.68	Ephemeral			Unnamed Trib. to Golden Horn Branch	Open Cut	90	4	0.008
S1116	14.23	Perennial			Golden Horn Branch	Open Cut	98	5.5	0.013

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S1118	14.41	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	105	2	0.005
S9012 ¹	14.52	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	328	2.0	0.015
S1121	14.69	Ephemeral			Unnamed Trib. to Golden Horn Branch	Open Cut	96	0.25	0.001
S1120	14.69	Perennial			Unnamed Trib. to Golden Horn Branch	Open Cut	93	2	0.004
S1119	14.81	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	88	1.5	0.003
S1143	14.88	Perennial			Golden Horn Branch	Open Cut	166	6	0.046
S1146	14.91	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	19	2.5	0.001
S1145	14.93	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	92	4	0.009
S1138	14.98	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	105	2	0.005
S1140	14.99	Ephemeral			Unnamed Trib. to Golden Horn Branch	Open Cut	46	1	0.001
S1134	15.10	Perennial			Unnamed Trib. to Golden Horn Branch	Open Cut	113	3	0.008
S1135	15.14	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	93	2	0.004
S1132	15.22	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	111	3	0.008
S1131	15.32	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	62	1.5	0.002
S1130	15.32	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	93	3	0.007
S1129	15.40	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	121	2	0.006
S1128	15.42	Ephemeral			Unnamed Trib. to Golden Horn Branch	Open Cut	101	3.5	0.008
S2123	15.60	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	80	2.5	0.005
S2122	15.75	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	160	1.5	0.006
S2121	15.87	Intermittent			Unnamed Trib. to Golden Horn Branch	Open Cut	123	3	0.009
S2116	16.32	Perennial			Golden Horn Branch	Open Cut	184	8	0.051
S2108	17.66	Intermittent			Unnamed Trib. to Okatuppa Creek	Open Cut	114	5	0.013
S2110	17.68	Intermittent			Unnamed Trib. to Okatuppa Creek	Open Cut	76	3.5	0.006
S1266	18.19	Perennial			Unnamed Trib. to Souwilpa Creek	Open Cut	123	4.5	0.013
S2086	18.32	Perennial			Unnamed Trib. to Souwilpa Creek	Open Cut	121	4	0.011
S2084	18.56	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	41	1.5	0.001
S2083	18.57	Perennial			Unnamed Trib. to Souwilpa Creek	Open Cut	119	6	0.018
S2087	18.74	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	29	2	0.001
S2155	18.95	Perennial			Unnamed Trib. to Souwilpa Creek	Open Cut	101	2	0.005
S2158	19.10	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	89	2	0.004
S2092	19.44	Intermittent			Unnamed Trib. to Souwilpa Creek	Open Cut	3	1.5	0.000
S2093	19.46	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	40	1	0.001
S2094	19.48	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	99	1	0.002
S2096	19.60	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	106	2.5	0.006
S2097	19.61	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	39	2.5	0.002
S2095	19.65	Ephemeral			Unnamed Trib. to Souwilpa Creek	Open Cut	28	2.5	0.002
S2098	19.70	Intermittent			Unnamed Trib. to Souwilpa Creek	Open Cut	93	2.5	0.005

(b)(7)f

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S2100	19.84	Perennial			Unnamed Trib. to Souwilpa Creek	Open Cut	214	4	0.020
S2106	20.08	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	87	3	0.006
S2107	20.15	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	161	2.5	0.009
S1106B	20.43	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	149	3	0.010
S1106	20.47	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	6	3	0.001
S1103	20.66	Perennial			Unnamed Trib. to McNish Branch	Open Cut	81	3.5	0.007
S2082B	21.00	Perennial			Unnamed Trib. to McNish Branch	Open Cut	80	5	0.010
S2082	21.00	Perennial			Unnamed Trib. to McNish Branch	Open Cut	77	5	0.009
S2081	21.04	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	72	3	0.005
S2080	21.07	Ephemeral			Unnamed Trib. to McNish Branch	Open Cut	83	2	0.004
S2079	21.19	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	79	2	0.004
S2077	21.38	Intermittent			Unnamed Trib. to McNish Branch	Open Cut	96	2.5	0.006
S1330	21.65	Ephemeral			Unnamed Trib. to Black Creek	Open Cut	111	3	0.008
S1090	21.89	Intermittent			Unnamed Trib. to Black Creek	Open Cut	231	2.25	0.012
S1068	22.68	Ephemeral			Unnamed Trib. to Turkey Creek	Open Cut	96	2.5	0.006
S1072	22.71	Ephemeral			Unnamed Trib. to Turkey Creek	Open Cut	52	1	0.001
S1069	22.73	Perennial			Unnamed Trib. to Turkey Creek	Open Cut	249	4	0.023
S1070	22.76	Ephemeral			Unnamed Trib. to Turkey Creek	Open Cut	48	1	0.001
S1073	22.83	Intermittent			Unnamed Trib. to Turkey Creek	Open Cut	104	2.5	0.006
S1074	22.89	Ephemeral			Unnamed Trib. to Turkey Creek	Open Cut	33	2.5	0.002
S1075	22.93	Intermittent			Unnamed Trib. to Turkey Creek	Open Cut	65	3	0.005
S1078	23.03	Ephemeral			Unnamed Trib. to Turkey Creek	Open Cut	122	1.5	0.004
S1079	23.06	Perennial			Unnamed Trib. to Turkey Creek	Open Cut	94	3	0.007
S1081	23.23	Intermittent			Unnamed Trib. to Turkey Creek	Open Cut	82	3	0.006
S1082	23.29	Perennial			Unnamed Trib. to Turkey Creek	Open Cut	200	3	0.014
S1083	23.29	Intermittent			Unnamed Trib. to Turkey Creek	Open Cut	35	3	0.003
S1085	23.68	Perennial			Unnamed Trib. to Turkey Creek	Open Cut	49	7	0.011
P1003	23.68	Pond			Unnamed Pond	Open Cut	N/A	N/A	0.101
S1262	24.59	Intermittent			Unnamed Trib. to Thompson Creek	Open Cut	125	3	0.009
S1263	24.74	Perennial			Unnamed Trib. to Thompson Creek	Open Cut	130	7.5	0.032
S9002 ¹	25.22	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	243	2	0.011
S2063	25.31	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	132	2	0.006
S2064	25.36	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	74	2	0.003
S2060	25.36	Perennial			Unnamed Trib. to Sea Warrior Creek	Open Cut	94	4	0.009
S2074	25.53	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	92	1.5	0.003
S2073	25.68	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	223	2	0.010
S2072	25.70	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	108	1.5	0.004

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Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S2069	25.82	Perennial			Unnamed Trib. to Sea Warrior Creek	Open Cut	280	4	0.026
S2071	25.82	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	28	1.5	0.001
S2070	25.87	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	9	1.5	0.000
S2068	25.95	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	110	1.5	0.004
S2067	26.15	Perennial			Unnamed Trib. to Sea Warrior Creek	Open Cut	114	3.5	0.009
S1332	27.11	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	111	2	0.005
S1331	27.12	Perennial			Sea Warrior Creek	Open Cut	51	12	0.008
S1329	27.21	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	91	2	0.004
S1328	27.23	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	511	2.5	0.030
S2054	27.59	Perennial			Unnamed Trib. to Sea Warrior Creek	Open Cut	79	5	0.010
P2002	27.72	Pond			Unnamed Pond	Open Cut	N/A	N/A	0.040
S2053	27.73	Intermittent			Unnamed Trib. to Sea Warrior Creek	Open Cut	53	2	0.002
S9004 ¹	27.96	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	134	4	0.013
S9005 ¹	28.07	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	89	4	0.008
S9006 ¹	28.08	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	34	4	0.003
S9008 ¹	28.29	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	141	4	0.013
S9009 ¹	28.53	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	250	4	0.023
S9010 ¹	28.68	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	79	4	0.008
S2052	29.22	Ephemeral		(b)(7)f	Unnamed Trib. to Sea Warrior Creek	Open Cut	176	1	0.004
S2051	29.29	Ephemeral			Unnamed Trib. to Sea Warrior Creek	Open Cut	241	1	0.006
S9011 ¹	30.45	Ephemeral			Unnamed Trib. to Caney Creek	Open Cut	87	4	0.008
S1062B	30.88	Intermittent			Unnamed Trib. to Caney Creek	Open Cut	97	3	0.007
S1061	30.96	Perennial			Unnamed Trib. to Caney Creek	Open Cut	130	5	0.016
S1060	31.00	Perennial			Unnamed Trib. to Caney Creek	Open Cut	121	3	0.008
S2224	32.30	Perennial			Unnamed Trib. to Santa Bogue Creek	Open Cut	302	3.5	0.024
S2225	32.45	Perennial			Unnamed Trib. to Santa Bogue Creek	Open Cut	171	12	0.037
S1295	32.50	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	37	1.5	0.001
S1294	32.51	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	107	1.5	0.004
S1037	32.58	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	61	2.5	0.004
S1038	32.61	Perennial			Unnamed Trib. to Santa Bogue Creek	Open Cut	96	3	0.007
S1039	32.67	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	12	1	0.000
S1042	33.11	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	26	2.5	0.002
S1044	33.40	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	32	1.5	0.001
S1046	33.53	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	87	2.5	0.005
S1047	33.58	Perennial			Unnamed Trib. to Santa Bogue Creek	Open Cut	107	3.5	0.013
S1049	33.61	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	35	2.5	0.002

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S1048	33.61	Ephemeral	(b)(7)f	(b)(7)f	Unnamed Trib. to Santa Bogue Creek	Open Cut	187	2.5	0.011
S1050	33.62	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	27	1	0.001
S1051	33.67	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	101	2.5	0.006
S1052	33.72	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	90	2.5	0.005
S1053	33.76	Perennial			Unnamed Trib. to Santa Bogue Creek	Open Cut	94	2.5	0.006
S2046	33.85	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	135	3	0.009
S2045	33.93	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Open Cut	102	2	0.005
S2044	34.35	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	119	4	0.011
S2042	34.70	Intermittent			Unnamed Trib. to Santa Bogue Creek	Open Cut	107	2.5	0.006
S2026	35.07	Perennial			Unnamed Trib. to Elias Creek	Open Cut	87	2	0.004
S2027	35.57	Intermittent			Unnamed Trib. to Elias Creek	Open Cut	96	2.5	0.006
S2029	36.25	Ephemeral			Unnamed Trib. to Elias Creek	Open Cut	155	1.5	0.005
S2030	36.29	Ephemeral			Unnamed Trib. to Elias Creek	Open Cut	27	2.5	0.002
S2032	36.47	Perennial			Unnamed Trib. to Elias Creek	Open Cut	130	5	0.016
S1030	36.54	Intermittent			Unnamed Trib. to Elias Creek	Open Cut	90	3.75	0.008
S1029	36.66	Intermittent			Unnamed Trib. to Elias Creek	Open Cut	96	2.5	0.006
S1028	36.95	Perennial			Unnamed Trib. to Elias Creek	Open Cut	118	25	0.069
S1322	37.20	Ephemeral			Unnamed Trib. to Elias Creek	Open Cut	267	2	0.012
S1018	38.10	Perennial			Unnamed Trib. to Elias Creek	Open Cut	25	4	0.002
S1015	38.28	Intermittent			Unnamed Trib. to Elias Creek	Open Cut	102	2.5	0.006
S1014	38.58	Perennial			Unnamed Trib. to Elias Creek	Open Cut	92	3	0.006
S1013	38.61	Perennial			Unnamed Trib. to Elias Creek	Open Cut	105	3.5	0.008
S1010	38.76	Intermittent			Unnamed Trib. to Elias Creek	Open Cut	10	2	0.001
S1011	39.22	Intermittent			Unnamed Trib. to Tauler Creek	Open Cut	130	3.5	0.010
S1012	39.39	Intermittent			Unnamed Trib. to Tauler Creek	Open Cut	148	2.5	0.009
S2133	39.49	Ephemeral			Unnamed Trib. to Tauler Creek	Open Cut	100	1.5	0.003
S2023	40.20	Ephemeral			Unnamed Trib. to Tauler Creek	Open Cut	90	2	0.004
S2025	40.29	Ephemeral			Unnamed Trib. to Tauler Creek	Open Cut	93	2.5	0.005
S2024	40.33	Intermittent			Unnamed Trib. to Tauler Creek	Open Cut	48	3.5	0.004
S2024B	40.35	Intermittent			Unnamed Trib. to Tauler Creek	Open Cut	118	2.5	0.007
S1036	40.90	Ephemeral			Unnamed Trib. to Folsoms Creek	Open Cut	86	2.5	0.005
S1034	41.19	Ephemeral			Unnamed Trib. to Folsoms Creek	Open Cut	161	2.5	0.009
S2038	41.47	Ephemeral			Unnamed Trib. to Folsoms Creek	Open Cut	251	2	0.012
S2037B	41.63	Ephemeral			Unnamed Trib. to Folsoms Creek	Open Cut	190	2	0.009
S2036	41.86	Perennial			Unnamed Trib. to Folsoms Creek	Open Cut	106	12	0.035
S2035	42.11	Ephemeral			Unnamed Trib. to Folsoms Creek	Open Cut	92	1.5	0.003
S2040	42.26	Ephemeral			Unnamed Trib. to Folsoms Creek	Open Cut	109	1.5	0.004

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

S2041	42.41	Perennial	<div style="background-color: black; color: yellow; padding: 5px; text-align: center;">(b)(7)F</div>	Folsoms Creek	Open Cut	101	3.5	0.008
S1025	43.16	Perennial		Unnamed Trib. to Tombigbee River	Open Cut	105	4	0.010
S1024	43.23	Intermittent		Unnamed Trib. to Tombigbee River	Open Cut	69	3.5	0.006
S1023	43.40	Perennial		Unnamed Trib. to Tombigbee River	Open Cut	90	3	0.006
S1020	43.49	Perennial		Unnamed Trib. to Tombigbee River	Open Cut	113	3.5	0.009
S1022	43.50	Intermittent		Unnamed Trib. to Tombigbee River	Open Cut	50	3.5	0.004
S1009	43.77	Intermittent		Unnamed Trib. to Smiths Creek	Open Cut	79	2.5	0.005
S2021	44.23	Intermittent		Unnamed Trib. to Smiths Creek	Open Cut	60	3	0.004
S2022B	44.25	Intermittent		Unnamed Trib. to Smiths Creek	Open Cut	103	2	0.005
S2168	44.45	Intermittent		Unnamed Trib. to Smiths Creek	Open Cut	99	2.5	0.006
S2167	44.51	Intermittent		Unnamed Trib. to Smiths Creek	Open Cut	83	3	0.006
S1005	45.03	Perennial		Smiths Creek	Open Cut	121	6.5	0.027
S1008	45.06	Ephemeral		Unnamed Trib. to Smiths Creek	Open Cut	94	1.5	0.003
S2161	45.21	Ephemeral		Unnamed Trib. to Smiths Creek	Open Cut	88	2	0.004
S2162	45.21	Ephemeral		Unnamed Trib. to Smiths Creek	Open Cut	82	2	0.004
S2164	45.26	Intermittent		Unnamed Trib. to Smiths Creek	Open Cut	111	2	0.005
S2019	45.88	Perennial		Unnamed Trib. to Smiths Creek	Open Cut	153	3	0.011
S2018	46.05	Ephemeral		Unnamed Trib. to Smiths Creek	Open Cut	21	1.5	0.001
S2017	46.05	Perennial		Unnamed Trib. to Smiths Creek	Open Cut	97	4	0.009
S2016	46.07	Ephemeral		Unnamed Trib. to Smiths Creek	Open Cut	220	1.5	0.008
S2222	48.16	Ephemeral		Unnamed Trib. to Tombigbee River	Open Cut	89	1.5	0.003
S2033	48.16	Perennial		Unnamed Trib. to Tombigbee River	Open Cut	88	3	0.006
S2034	48.18	Ephemeral		Unnamed Trib. to Tombigbee River	Open Cut	48	2	0.002
S2013	48.63	Perennial		Unnamed Trib. to Tombigbee River	Open Cut	110	5	0.013
S2014	48.71	Intermittent		Unnamed Trib. to Tombigbee River	Open Cut	154	1.5	0.005
S2014B	48.72	Intermittent		Unnamed Trib. to Tombigbee River	Open Cut	83	1.5	0.003
S2015	48.91	Perennial	Unnamed Trib. to Tombigbee River	Open Cut	63	1.5	0.002	
S1003	49.20	Perennial	Unnamed Trib. to Tombigbee River	Open Cut	95	2.5	0.006	
S1004	49.21	Perennial	Unnamed Trib. to Tombigbee River	Open Cut	52	2	0.002	
S1261	50.99	Intermittent	Unnamed Trib. to Tombigbee River	Open Cut	403	3	0.028	
S2002	51.50	Perennial	Unnamed Trib. to Tombigbee River	Open Cut	82	4.5	0.009	
S1107	52.22	Perennial	Unnamed Trib. to Tombigbee River	Open Cut	292	15	0.264	
S2004	53.25	Ephemeral	Unnamed Trib. to Tombigbee River	Open Cut	88	2	0.004	
Contractor Yards								
S2171	CY-02	Intermittent	Unnamed Trib. to Tombigbee River	Timber Matting	55	1.5	0.002	
S1321	PY-02	Intermittent	Unnamed Trib. to Tombigbee River	Timber Matting	280	2	0.013	
S2169	PY-02	Intermittent	Unnamed Trib. to Tombigbee River	Timber Matting	450	2	0.021	

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
Access Roads									
S2120	AR-00.6	Perennial			Unnamed Trib. to Long Creek	Culvert/Bridge	32	4	0.003
S1280	AR-06.8	Ephemeral			Unnamed Trib. to Bogueloosa Creek	Culvert/Bridge	3	3	0.000
S1316	AR-06.8	Perennial			Unnamed Trib. to Bogueloosa Creek	Culvert/Bridge	30	14	0.011
S2217	AR-09.5	Ephemeral			Unnamed Trib. to Rock Branch	Culvert/Bridge	33	1.5	0.001
S2218	AR-09.5	Intermittent			Unnamed Trib. to Rock Branch	Culvert/Bridge	31	1.5	0.001
S2219	AR-09.5	Perennial			Rock Branch	Culvert/Bridge	30	15	0.006
S1309	AR-16.2	Perennial			Unnamed Trib. to Golden Horn Branch	Culvert/Bridge	1	2	0.000
S1310	AR-16.2	Perennial			Unnamed Trib. to Golden Horn Branch	Culvert/Bridge	43	3	0.003
S1311	AR-16.2	Perennial			Unnamed Trib. to Golden Horn Branch	Culvert/Bridge	30	2.5	0.002
S1317	AR-16.2	Perennial			Golden Horn Branch	Culvert/Bridge	30	13	0.010
S2116	AR-16.2-EX	Perennial			Golden Horn Branch	Culvert/Bridge	30	8	0.017
S2108	AR-17.3	Intermittent			Unnamed Trib. to Okatuppa Creek	Culvert/Bridge	31	5	0.004
S2109	AR-17.3	Intermittent			Unnamed Trib. to Okatuppa Creek	Culvert/Bridge	136	3.5	0.011
S2148	AR-17.3	Ephemeral			Unnamed Trib. to Okatuppa Creek	Culvert/Bridge	61	2	0.003
S2149	AR-17.3	Intermittent			Unnamed Trib. to Okatuppa Creek	Culvert/Bridge	35	3	0.002
S2150	AR-17.3	Ephemeral			Unnamed Trib. to Okatuppa Creek	Culvert/Bridge	301	1	0.007
S2087	AR-18.5-EX	Ephemeral			Unnamed Trib. to Souwilpa Creek	Culvert/Bridge	31	2	0.001
S2088	AR-18.5-EX	Intermittent			Unnamed Trib. to Souwilpa Creek	Culvert/Bridge	56	1.5	0.002
S1106B	AR-20.3	Intermittent			Unnamed Trib. to McNish Branch	Culvert/Bridge	9	3	0.001
S1085	AR-23.5-EX	Perennial			Unnamed Trib. to Turkey Creek	Culvert/Bridge	30	7	0.005
S2223	AR-31.7	Perennial			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	33	3.5	0.003
S2224	AR-32.2-EX	Perennial			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	40	3.5	0.003
S2227	AR-32.4	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	13	1	0.000
S2226	AR-32.4	Ephemeral			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	37	2.5	0.002
S1294	AR-32.4	Intermittent			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	30	1.5	0.001
S2225	AR-32.4	Perennial			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	30	12	0.012
S1302	AR-32.5	Perennial			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	32	4	0.003
S1305	AR-33.1	Perennial			Unnamed Trib. to Santa Bogue Creek	Culvert/Bridge	30	6	0.009
S2236	AR-35.1	Intermittent			Unnamed Trib. to Elias Creek	Culvert/Bridge	32	2.5	0.002
S2028	AR-35.1	Perennial			Elias Creek	Culvert/Bridge	30	18	0.023
S2232	AR-36.5	Intermittent			Unnamed Trib. to Elias Creek	Culvert/Bridge	33	2.5	0.002
S2233	AR-36.5	Perennial			Unnamed Trib. to Elias Creek	Culvert/Bridge	33	2.5	0.002
S2234	AR-36.5	Perennial			Unnamed Trib. to Elias Creek	Culvert/Bridge	32	2.5	0.002
S2235	AR-36.5	Perennial			Unnamed Trib. to Elias Creek	Culvert/Bridge	28	2.5	0.002
S2231	AR-36.6	Perennial			Unnamed Trib. to Elias Creek	Culvert/Bridge	30	20	0.010
S1157	AR-37.5	Intermittent			Unnamed Trib. to Elias Creek	Culvert/Bridge	29	1.5	0.001

Attachment 8b Waterbodies Impacts Table
Lowman Pipeline Project
NextEra Energy Pipeline (Lowman), Inc.

Feature ID	Approximate MP	Type	Latitude	Longitude	Name	Crossing Method	Stream Length (ft.)	Stream Width (ft.)	Impact Acres
S1158	AR-37.5	Intermittent			Unnamed Trib. to Elias Creek	Culvert/Bridge	23	1.5	0.001
P1007	AR-37.5	Pond			Unnamed Pond	Bridge	N/A	N/A	0.013
S2135	AR-39.5	Perennial			Unnamed Trib. to Tauler Creek	Culvert/Bridge	54	5	0.006
S2134	AR-39.5	Perennial			Unnamed Trib. to Tauler Creek	Culvert/Bridge	22	3	0.002
S2136	AR-39.5	Intermittent			Unnamed Trib. to Tauler Creek	Culvert/Bridge	27	3	0.002
S2025	AR-40.2-EX	Ephemeral			Unnamed Trib. to Tauler Creek	Culvert/Bridge	69	2.5	0.004
S1151	AR-40.6	Intermittent			Unnamed Trib. to Tauler Creek	Culvert/Bridge	31	3	0.002
S1152	AR-40.6	Ephemeral			Unnamed Trib. to Folsoms Creek	Culvert/Bridge	117	0.75	0.002
S1154	AR-40.6	Intermittent			Unnamed Trib. to Folsoms Creek	Culvert/Bridge	30	2.5	0.002
S1155	AR-40.6	Perennial			Unnamed Trib. to Folsoms Creek	Culvert/Bridge	30	3.5	0.002
S1156	AR-40.6	Intermittent			Unnamed Trib. to Folsoms Creek	Culvert/Bridge	31	4.5	0.003
S1153	AR-40.6	Perennial			Folsoms Creek	Culvert/Bridge	30	9	0.018
S2037B	AR-41.5	Ephemeral			Unnamed Trib. to Folsoms Creek	Culvert/Bridge	30	2	0.001
S1150	AR-41.5	Intermittent			Unnamed Trib. to Folsoms Creek	Culvert/Bridge	34	2.5	0.002
S2137	AR-41.5	Perennial			Folsoms Creek	Culvert/Bridge	30	20	0.015
P2004	AR-41.5	Pond			Unnamed Pond	Bridge	N/A	N/A	0.000
S1005	AR-44.8	Perennial			Smiths Creek	Culvert/Bridge	30	6.5	0.007
S2166	AR-45.4	Perennial			Unnamed Trib. to Smiths Creek	Culvert/Bridge	50	3.5	0.004
S1148	AR-47.1	Ephemeral			Gaines Creek	Culvert/Bridge	45	1	0.001
S2169	AR-51.1	Perennial			Unnamed Trib. to Tombigbee River	Culvert/Bridge	124	3	0.009
S2170	AR-51.1	Perennial			Unnamed Trib. to Tombigbee River	Culvert/Bridge	30	3.5	0.002
S2171	AR-51.1	Intermittent			Unnamed Trib. to Tombigbee River	Culvert/Bridge	452	1.5	0.016
S1107	AR-51.9	Perennial			Unnamed Trib. to Tombigbee River	Culvert/Bridge	30	15	0.037

¹ Photo-interpreted using current aerial imagery and publicly available data

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Pages 20 through 56 redacted for the following reasons:

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