

Town of Kennebunk, Maine

2016-2018 Municipal and Community Greenhouse Gas Emissions Inventories Appendices

August 2020

Table of Contents

Appendix A: 2016 Municipal Inventory Data	1
Appendix B: 2017 Municipal Inventory Data	8
Appendix C: 2018 Municipal Inventory Data	14
Appendix D: 2016 Community Inventory Data.....	21
Appendix E: 2017 Community Inventory Data	27
Appendix F: 2018 Community Inventory Data	33
Appendix G: Factor Sets.....	39



Kennebunk Energy Efficiency Committee
Maggie Bartenhagen and Sharon A. Staz

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Appendix A: 2016 Municipal Inventory Data

Buildings and Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
159 Port Road- Washington Station (Electric)	Scope 2	6.522309909	0.001051691448	0.0001402255264	6.588917034	87.92491468	25762			
1 Summer St- Town Hall + Fire Station (Electric)	Scope 2	80.5706042	0.01299162667	0.00173221689	81.39340723	1086.143345	318240			
Clearbrook Crossing- Fire Station (Electric)	Scope 2	1.313728209	0.0002118324246	0.00002824432328	1.327144263	17.70989761	5189			
19 Park Street- Youth Center (Electric)	Scope 2	4.288035204	0.0006914252796	0.00009219003729	4.331825472	57.80546075	16937			
4 Summer Street- Police (Electric)	Scope 2	27.15055177	0.004377897325	0.0005837196433	27.4278186	366.0068259	107240			
80 Thompson Road- Fire Station (Electric)	Scope 2	9.225719008	0.001487603306	0.0001983471074	9.319933884	124.3686007	36440			
Parsons Field- Concession (Electric)	Scope 2	1.266131195	0.0002041576326	0.00002722101768	1.279061179	17.06825939	5001			
Facility Town Garage- Right Side (Electric)	Scope 2	0.9618141194	0.0001550879517	0.00002067839356	0.9716363564	12.96587031	3799			
Waterhouse Pavillion- Chiller (Electric)	Scope 2	22.48199363	0.003625114532	0.0004833486043	22.71158422	303.0716724	88800			
Kennebunk Youth Football- Snack Shack (Electric)	Scope 2	0.6387620488	0.0001029973419	0.00001373297893	0.6452852138	8.610921502	2523			
Facility Town Garage- Left Side (Electric)	Scope 2	11.01820228	0.001776632708	0.000236884361	11.13072236	148.5324232	43520			
80 Thompson Road- DS Comm Ctr (Electric)	Scope 2	1.204103172	0.000194155909	0.00002588745453	1.216399713	16.23208191	4756			
Holland Road- Score Board (Electric)	Scope 2	0.1731721131	0.0000279231795	0.000003723090601	0.1749405811	2.33447099	684			
Kesslen Dam (Electric)	Scope 2	0.205831766	0.00003318939318	0.000004425252424	0.2079337609	2.774744027	813			
W. Kennebunk Substation (Electric)	Scope 2	11.37796482	0.001834642705	0.0002446190273	11.49415886	153.3822526	44941			
Holland Road- Garden Pump (Electric)	Scope 2	0.06455977901	0.00001040995727	0.000001387994303	0.0652190763	0.8703071672	255			
Twine Mill Dam (Electric)	Scope 2	6.780549025	0.001093331277	0.0001457775036	6.849793339	91.40614334	26782			
Water Street Substation (Electric)	Scope 2	3.471290706	0.0005597291143	0.00007463054858	3.506740216	46.79522184	13711			
4 Factory Pasture Lane (Electric)	Scope 2	27.13536123	0.004375447923	0.0005833930564	27.41247293	365.8020478	107180			
Dane Perkins Dam (Electric)	Scope 2	4.62577146	0.0007458836443	0.00009945115258	4.673010757	62.35836177	18271			
Facility Town Garage (Propane)	Scope 1	10.21815522	0.001827	0.0001827	10.31772672			166.257	Propane	1827

159 Port Road- Washington Station (Propane)	Scope 1	2.954148652	0.0005282	0.00005282	2.982935552			48.0662	Propane	528.2
4 Summer Street- Police Dept (Propane)	Scope 1	1.106267708	0.0001978	0.00001978	1.117047808			17.9998	Propane	197.8
Waterhouse Pavillion- Zamboni 1 (Propane)	Scope 1	0.972039068	0.0001738	0.00001738	0.981511168			15.8158	Propane	173.8
80 Thompson Road- Fire Station (Propane)	Scope 1	17.33730671	0.0030999	0.00030999	17.50625126			282.0909	Propane	3099.9
Facility Town Garage (#2 Heating Oil)	Scope 1	36.64432514	0.00538545	0.00035903	36.89026069			495.4614	Distillate Fuel Oil No. 2	3590.3
19 Park Street- Youth Center (Propane)	Scope 1	7.99219694	0.001429	0.0001429	8.07007744			130.039	Propane	1429
Clearbrook Crossing- Fire Station (Propane)	Scope 1	5.34957059	0.0009565	0.00009565	5.40169984			87.0415	Propane	956.5
80 Thompson Road- DS comm Ctr (Propane)	Scope 1	7.134811502	0.0012757	0.00012757	7.204337152			116.0887	Propane	1275.7
Waterhouse Pavillion- Zamboni 2 (Propane)	Scope 1	3.95974488	0.000708	0.0000708	3.99833088			64.428	Propane	708
1 Summer St- Town Hall + Fire Station (#2 Heating Oil)	Scope 1	83.15831645	0.0122214	0.00081476	83.71642705			1124.3688	Distillate Fuel Oil No. 2	8147.6
4 Summer Street- Police (#2 Heating Oil)	Scope 1	16.59777778	0.0024393	0.00016262	16.70917248			224.4156	Distillate Fuel Oil No. 2	1626.2
159 Port Road- Washington Station (Kerosene)	Scope 1	17.21424917	0.0025299	0.00016866	17.32978127			232.7508	Distillate Fuel Oil No. 2	1686.6
159 Port Road- Washington Station (#2 Heating Oil)	Scope 1	12.38148089	0.00181965	0.00012131	12.46457824			167.4078	Distillate Fuel Oil No. 2	1213.1

Streetlight and Traffic Signals

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBTU)	Electricity Used
Sea Road School- Tr	Scope 2	0.009367497346	0.000001510464388	0.0000002013952518	0.009463160091	0.1262798635	37
Town Wide Street Lighting- KLPD & CMP	Scope 2	87.87725213	0.0141697889	0.001889305186	88.7746721	1184.641638	347100
Route 1 & Barnard Lane	Scope 2	3.882447887	0.000626026254	0.00008347016719	3.922096216	52.33788396	15335
Main & Water- Traffic Lights	Scope 2	0.6248373906	0.000100752057	0.00001343360761	0.6312183542	8.423208191	2468
Rogers Pond - Street Lights	Scope 2	0.07747173481	0.00001249194873	0.000001665593163	0.07826289156	1.044368601	306
Rt 35 & Durrells Bridge Road	Scope 2	0.06050896935	0.000009756783482	0.000001300904464	0.06112689897	0.8156996587	239
LED Post Lights 2	Scope 2	1.296512268	0.000209056436	0.00002787419147	1.309752509	17.4778157	5121
Shoppers Village- Traffic Lights	Scope 2	0.4969837106	0.00008013625931	0.00001068483457	0.502059007	6.699658703	1963
York & High Traffic Light	Scope 2	0.6207865809	0.0001000988833	0.00001334651777	0.6271261768	8.368600683	2452

Summer Street- Traffic Lights	Scope 2	0.3233052463	0.00005213143308	0.000006950857744	0.3266069037	4.358361775	1277
Alewife @ Alfred- Traffic Lights	Scope 2	0.4301453511	0.00006935889178	0.000009247852238	0.4345380809	5.798634812	1699
Alfred & Thompson- Traffic	Scope 2	0.09924483675	0.00001600275784	0.000002133701046	0.1002583447	1.337883959	392
St. Lt Controls- Pedestal	Scope 2	1.284613014	0.000207137738	0.00002761836507	1.297731738	17.31740614	5074
LED Post Lights 1	Scope 2	1.25954863	0.0002030962252	0.00002707949669	1.272411391	16.97952218	4975
WK Alfred Road- Street Lights	Scope 2	1.426391353	0.0002299988207	0.00003066650942	1.440957945	19.22866894	5634
Traffic Lights- longbank	Scope 2	0.8071238254	0.0001301448776	0.00001735265034	0.8153663343	10.88054608	3188
Main & Green- Traffic Lights	Scope 2	1.297778146	0.0002092605528	0.00002790140705	1.311031314	17.49488055	5126
Independence Drive- St Lights	Scope 2	1.649945411	0.0002660458492	0.00003547277989	1.666794981	22.24232082	6517
Ross Road @ Rt 1- Traffic Lights	Scope 2	0.3954602934	0.00006376609121	0.000008502145494	0.3994988125	5.33105802	1562
Rt 1 bridge Post Lights	Scope 2	1.55956172	0.000251471909	0.00003352958787	1.575488275	21.02389078	6160
West K Street Lights	Scope 2	0.7104107447	0.0001145503533	0.00001527338045	0.7176656004	9.576791809	2806
Rt 1 Traffic Lt @ CVS	Scope 2	0.5342005244	0.0000861372935	0.00001148497247	0.5396558863	7.201365188	2110
Thompson Road- Blinkers 1	Scope 2	0.007848443723	0.000001265524217	0.0000001687365623	0.00792859359	0.1058020478	31
Sea Road- Traffic Blinkers	Scope 2	0.01063337537	0.000001714581198	0.0000002286108264	0.01074196551	0.1433447099	42
Thompson Road- Blinkers 2	Scope 2	0.005063512079	0.000000816467237	0.0000001088622983	0.005115221671	0.06825938567	20
Holland Road- Field	Scope 2	0.1270941532	0.00002049332765	0.000002732443686	0.1283920639	1.71331058	502
Nason Court- Skating Rink	Scope 2	4.388799095	0.0007076729777	0.00009435639702	4.433618383	59.16382253	17335
Lafayette Park	Scope 2	0.05417957925	0.000008736199436	0.000001164826591	0.05473287188	0.7303754266	214
Rotary Park	Scope 2	0.06709153505	0.00001081819089	0.000001442425452	0.06777668714	0.9044368601	265

Vehicle Fleet

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Energy Equivalent (MMBtu)	Fuel Type	Annual Fuel Use	Annual Miles Traveled (VMT)
KLPD Chipper (Gasoline)	Scope 1	3.09056	0.00044352	0.00007744	3.12350016	43.9824	Gasoline	352	
Sewer District (Diesel)	Scope 1	6.600765	0	0	6.600765	89.24286	Diesel	646.5	7758

Employee Commute (Diesel)	Scope 3	1.952496212	0.000003327	0.0000049905	1.953911851		191.2337132	26.40846516	5.281693032	0.3907823701	Diesel	3327	0	100	0	5
Employee Commute (Electric)	Scope 3	0	0	0	0				0	0	Electric	27409				4
Employee Commute (Gasoline)	Scope 3	225.6158152	0.01126115841	0.008186094558	228.1004427		25696.56209	3212.070262	27.69026088	1.966383126	Gasoline	550909	68.85	31.15	0	116

Electric Power Production

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	T&D Energy Equivalent (MMBtu)	Electricity Lost
KLPD T&D Losses	Scope 2	1171.494661	0.1888979416	0.02518639221	1183.458197	15792.49829	4627202

Solid Waste Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Waste Generated (wet tons)
Municipal Employee Trash and Recycling Generation	Scope 3		0.441234		12.354552	32.684

Water and Wastewater Treatment Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Sewer District Buildings (Electric)	Scope 2	8.216307875	0.001324840562	0.0001766454083	8.300214444	110.7610922	32453			
KLPD Sewer District Buildings (Electric)	Scope 2	239.5648835	0.03862869792	0.005150493055	242.0113677	3229.488055	946240			
Sewer- Doanes Wharf (Electric)	Scope 2	3.182670517	0.0005131904818	0.00006842539757	3.215172581	42.90443686	12571			
Sewer- Wells Road (Electric)	Scope 2	15.99664736	0.002579383295	0.0003439177727	16.1600083	215.6450512	63184			
Sewer- Western Ave (Electric)	Scope 2	6.14735684	0.0009912320491	0.0001321642732	6.21013487	82.87030717	24281			
Sewer- Admiral's Way (Electric)	Scope 2	0.1962110931	0.00003163810543	0.000004218414058	0.1982148397	2.645051195	775			
Sewer- Mousam Landing (Electric)	Scope 2	0.08076301766	0.00001302265243	0.000001736353657	0.08158778565	1.088737201	319			
Sewer- Clarkdale (Electric)	Scope 2	1.686655874	0.0002719652366	0.00003626203155	1.703880339	22.73720137	6662			
Sewer- Fairway Drive (Electric)	Scope 2	0.728133037	0.0001174079887	0.00001565439849	0.7355688763	9.815699659	2876			
Sewer- Rivers Edge (Electric)	Scope 2	3.106464661	0.0005009026499	0.00006678701999	3.138188495	41.87713311	12270			
Sewer- Fieldcrest (Electric)	Scope 2	8.921908284	0.001438615272	0.0001918153695	9.013020584	120.2730375	35240			

Sewer- Industrial Drive (Electric)	Scope 2	0.1587411037	0.00002559624788	0.000003412833051	0.1603621994	2.139931741	627		
Sewer- Commons Lane (Electric)	Scope 2	1.387149134	0.0002236711996	0.00002982282661	1.401314977	18.6996587	5479		
Sewer- Brown Street (Electric)	Scope 2	2.763158542	0.0004455461712	0.00005940615616	2.791376466	37.24914676	10914		
Sewer- River Bluff (Electric)	Scope 2	0.2830503252	0.00004564051855	0.000006085402473	0.2859408914	3.815699659	1118		
Sewer- Quail Run (Electric)	Scope 2	0.2605176965	0.00004200723934	0.000005600965246	0.263178155	3.511945392	1029		
Sewer- Powdermill (Electric)	Scope 2	0.9845999238	0.0001587620542	0.0000211682739	0.9946548539	13.27303754	3889		
Sewer- Boothby Road (Electric)	Scope 2	10.16753225	0.001639466212	0.0002185954949	10.27136512	137.0648464	40160		
Sewer- Mere Land (Electric)	Scope 2	0.2992535639	0.00004825321371	0.000006433761827	0.3023096007	4.034129693	1182		
Sewer- Summerfields (Electric)	Scope 2	1.21347067	0.0001956663733	0.00002608884978	1.225862873	16.35836177	4793		
Sewer- Cat Mousam (Electric)	Scope 2	4.920974214	0.0007934836843	0.0001057978246	4.971228181	66.33788396	19437		
Sewer- Rosewood (Electric)	Scope 2	0.3992579274	0.00006437844164	0.000008583792218	0.4033352287	5.38225256	1577		
Sewer- Berry Court (Electric)	Scope 2	0.2719105987	0.00004384429063	0.000005845905417	0.2746874037	3.66552901	1074		
Sewer- Sycamore Lane (Electric)	Scope 2	0.4822995255	0.00007776850432	0.00001036913391	0.4872248641	6.501706485	1905		
Sewer- Intervale (Electric)	Scope 2	0.6316731319	0.0001018542878	0.00001358057171	0.6381239034	8.515358362	2495		
Sewer- Portland Road (Electric)	Scope 2	0.7461085049	0.0001203064474	0.00001604085965	0.7537279132	10.05802048	2947		
Sewer- Governor's Way (Electric)	Scope 2	0.1602601573	0.00002584118805	0.00000344549174	0.1618967659	2.160409556	633		
Sewer- Coventry Woods (Electric)	Scope 2	0.3326727436	0.00005364189747	0.000007152252996	0.3360700638	4.484641638	1314		
Sewer- Waterford Greene (Electric)	Scope 2	0.2212754779	0.00003567961826	0.000004757282434	0.223535187	2.982935154	874		
Sewer District Control Building (#2 Heating Oil)	Scope 1	145.0953197	0.021324	0.0014216	146.0691157		1961.808	Distillate Fuel Oil No. 2	14216
Sewer District Process Building (#2 Heating Oil)	Scope 1	77.12016288	0.011334	0.0007556	77.63774888		1042.728	Distillate Fuel Oil No. 2	7556
Sewer District Location Garage (#2 Heating Oil)	Scope 1	102.595537	0.015078	0.0010052	103.284099		1387.176	Distillate Fuel Oil No. 2	10052
Public Services Fugitive Septic Emissions	Scope 1		0.07810506		2.18694168				
Clearbrook Crossing Fire Station Fugitive Septic Emissions	Scope 1		0.0433917		1.2149676				
Sewer District Process N2O Emissions	Scope 1			0.0756	20.034				

Sewer District Process N2O From Effluent Discharge	Scope 1			0.1997300228	52.92845603					
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Appendix B: 2017 Municipal Inventory Data

Buildings and Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
80 Thompson Road- DS Comm Ctr (Electric)	Scope 2	1.381326095	0.0002227322622	0.00002969763497	1.395432472	18.62116041	5456			
19 Park Street- Youth Center (Electric)	Scope 2	3.727757593	0.0006010831799	0.00008014442398	3.765826194	50.25255973	14724			
Holand Road- Garden Pump (Electric)	Scope 2	0.2516565503	0.00004057842168	0.000005410456224	0.254226517	3.392491468	994			
Holand Road- Score Board	Scope 2	0.5040726275	0.00008127931344	0.00001083724179	0.5092203173	6.795221843	1991			
Kennebunk Youth Football- Snack Shack (Electric)	Scope 2	0.6012920594	0.00009695548439	0.00001292739792	0.6074325734	8.105802048	2375			
159 Port Road- Washington Station (Electric)	Scope 2	5.27364783	0.0008503506273	0.0001133800836	5.32750337	71.09215017	20830			
4 Summer Street- Police (Electric)	Scope 2	26.80623295	0.004322377553	0.000576317007	27.07998353	361.3651877	105880			
Facility Town Garage- Left Side (Electric)	Scope 2	12.01065065	0.001936660286	0.0002582213715	12.1333058	161.9112628	47440			
80 Thompson Road- Fire Station (Electric)	Scope 2	7.230695249	0.001165915214	0.0001554553619	7.304536546	97.47440273	28560			
Parsons Field- Concession (Electric)	Scope 2	1.421581016	0.0002292231768	0.00003056309024	1.436098484	19.16382253	5615			
Waterhouse Pavilion- Chiller (Electric)	Scope 2	24.30485798	0.003919042738	0.0005225390317	24.55306402	327.6450512	96000			
Clearbrook Crossing- Fire Station (Electric)	Scope 2	0.6947138573	0.0001120193049	0.00001493590732	0.7018084132	9.365187713	2744			
Kesslen Dam (Electric)	Scope 2	0.5147060028	0.00008299389464	0.00001106585262	0.5199622828	6.938566553	2033			
Dane Perkins Dam (Electric)	Scope 2	6.206853107	0.001000825539	0.0001334434052	6.270238724	83.67235495	24516			
Twine Mill Dam (Electric)	Scope 2	7.965664027	0.001284425434	0.0001712567245	8.047010972	107.3822526	31463			
Water Street Substation (Electric)	Scope 2	4.248792986	0.0006850976586	0.00009134635447	4.292182504	57.27645051	16782			
W. Kennebunk Substation (Electric)	Scope 2	12.02305626	0.001938660631	0.0002584880841	12.1458381	162.0784983	47489			
4 Factory Pasture Lane (Electric)	Scope 2	36.85224091	0.005942248551	0.0007922998068	37.22858332	496.7918089	145560			
Facility Town Garage- Right Side (Electric)	Scope 2	0.9544720269	0.0001539040742	0.00002052054322	0.964219285	12.8668942	3770			
1 Summer St- Town Hall + Fire Station (Electric)	Scope 2	82.27194426	0.01326595967	0.001768794622	83.11212171	1109.078498	324960			
Facility Town Garage (Propane)	Scope 1	7.98940051	0.0014285	0.00014285	8.06725376			129.9935	Propane	1428.5

80 Thompson Road- DS Comm Center (Propane)	Scope 1	7.394879492	0.0013222	0.00013222	7.466939392			120.3202	Propane	1322.2
4 Summer Street- Police Dept (Propane)	Scope 1	2.0693582	0.00037	0.000037	2.0895232			33.67	Propane	370
Waterhouse Pavillion- Zamboni 1 (Propane)	Scope 1	0.782441114	0.0001399	0.00001399	0.790065664			12.7309	Propane	139.9
Waterhouse Pavilion- Zamboni 2 (Propane)	Scope 1	4.271267182	0.0007637	0.00007637	4.312888832			69.4967	Propane	763.7
80 Thompson Road- Fire Station (Propane)	Scope 1	18.31549793	0.0032748	0.00032748	18.49397453			298.0068	Propane	3274.8
1 Summer St- Town Hall + Fire Station (#2 Heating Oil)	Scope 1	101.7147177	0.01494855	0.00099657	102.3973682			1375.2666	Distillate Fuel Oil No. 2	9965.7
Clearbrook Crossing- Fire Station (Propane)	Scope 1	5.438497064	0.0009724	0.00009724	5.491492864			88.4884	Propane	972.4
159 Port Road- Washington Station (Propane)	Scope 1	1.331659966	0.0002381	0.00002381	1.344636416			21.6671	Propane	238.1
Facility Town Garage (#2 Heating Oil)	Scope 1	38.99793943	0.00573135	0.00038209	39.25967108			527.2842	Distillate Fuel Oil No. 2	3820.9
19 Park Street- Youth Center (Propane)	Scope 1	7.795887554	0.0013939	0.00013939	7.871855104			126.8449	Propane	1393.9
4 Summer Street- Police (#2 Heating Oil)	Scope 1	18.5227199	0.0027222	0.00018148	18.6470337			250.4424	Distillate Fuel Oil No. 2	1814.8
159 Port Road- Washington Station (Kerosene)	Scope 1	17.1223632	0.0025299	0.00016866	17.2378953			227.691	Kerosene	1686.6
159 Port Road- Washington Station (#2 Heating Oil)	Scope 1	12.38148089	0.00181965	0.00012131	12.46457824			167.4078	Distillate Fuel Oil No. 2	1213.1

Streetlight and Traffic Signals

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBTU)	Electricity Used
Traffic Lights- longbank	Scope 2	0.6547121118	0.0001055692137	0.00001407589517	0.661398162	8.825938567	2586
Lafayette Park	Scope 2	0.04050809663	0.000006531737896	0.0000008708983861	0.04092177337	0.5460750853	160
LED Post Lights 2	Scope 2	1.255244644	0.000202402228	0.00002698696374	1.268063452	16.92150171	4958
West K Street Lights	Scope 2	0.6985114913	0.0001126316553	0.00001501755405	0.7056448295	9.416382253	2759
York & High Traffic Light	Scope 2	0.508882964	0.00008205495732	0.00001094066098	0.5140797779	6.860068259	2010
WK Alfred Road- Street Lights	Scope 2	1.594499954	0.0002571055329	0.00003428073772	1.610783304	21.49488055	6298
Shoppers Village- Traffic Lights	Scope 2	0.4969837106	0.00008013625931	0.00001068483457	0.502059007	6.699658703	1963
Alfred & Thompson- Traffic	Scope 2	0.1002575392	0.00001616605129	0.000002155473506	0.1012813891	1.351535836	396
Sea Road- Traffic Blinkers	Scope 2	0.01240560459	0.000002000344731	0.0000002667126307	0.01253229309	0.1672354949	49

Thompson Road- Blinkers 1	Scope 2	0.008101619327	0.000001306347579	0.0000001741796772	0.008184354673	0.1092150171	32
LED Post Lights 1	Scope 2	1.261067683	0.0002033411654	0.00002711215538	1.273945957	17	4981
Sea Road School- Tr	Scope 2	0.01012702416	0.000001632934474	0.0000002177245965	0.01023044334	0.1365187713	40
Town Wide Street Lighting- KLPD & CMP	Scope 2	87.87725213	0.0141697889	0.001889305186	88.7746721	1184.641638	347100
Main & Water- Traffic Lights	Scope 2	0.61622942	0.00009936406274	0.0000132485417	0.6225224773	8.307167235	2434
Rotary Park	Scope 2	0.06202802297	0.00001000172365	0.000001333563154	0.06266146547	0.8361774744	245
Nason Court- Skating Rink	Scope 2	4.966545823	0.0008008318894	0.0001067775853	5.017265176	66.95221843	19617
Rogers Pond- Street Lights	Scope 2	0.04177397465	0.000006735854705	0.0000008981139607	0.04220057878	0.5631399317	165
Summer Street- Traffic Lights	Scope 2	0.3233052463	0.00005213143308	0.000006950857744	0.3266069037	4.358361775	1277
Rt 1 Traffic Lt @ CVS	Scope 2	0.4878693888	0.00007866661828	0.00001048888244	0.492851608	6.576791809	1927
Main & Green- Traffic Lights	Scope 2	1.404871426	0.0002265288349	0.00003020384465	1.419218253	18.93856655	5549
Independence Drive- St Lights	Scope 2	2.850757301	0.0004596710544	0.00006128947392	2.879869801	38.43003413	11260
Rt 1 Bridge Post Lights	Scope 2	1.575764959	0.0002540846041	0.00003387794722	1.591856984	21.24232082	6224
Alewife @ Alfred- Traffic Lights	Scope 2	0.4192588002	0.00006760348722	0.000009013798296	0.4235403543	5.651877133	1656
Ross Rd @ Rt 1- Traffic Lights	Scope 2	0.395713469	0.00006380691457	0.000008507588609	0.3997545736	5.33447099	1563
Rt 35 & Durrells Bridge Road	Scope 2	0.05544545727	0.000008940316245	0.000001192042166	0.0560116773	0.747440273	219
Thompson Road- Blinkers 2	Scope 2	0.005823038891	0.0000009389373225	0.000000125191643	0.005882504921	0.07849829352	23
Holland Road- Field	Scope 2	0.1255750996	0.00002024838748	0.000002699784997	0.1268574974	1.692832765	496

Vehicle Fleet

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Energy Equivalent (MMBtu)	Fuel Type	Annual Fuel Use	Annual Miles Traveled (VMT)
KLPD Chipper (Gasoline)	Scope 1	1.16774	0.00016758	0.00002926	1.18018614	16.61835	Gasoline	133	
1 Summer St- Recreation Dept (Diesel)	Scope 1	31.260978	0	0	31.260978	422.650872	Diesel	3061.8	36741.6
1 Summer St- Recreation Dept (Gasoline)	Scope 1	5.181078	0	0	5.181078	73.732995	Gasoline	590.1	14752.5
Fire Dept Vehicles (Diesel)	Scope 1	36.195471	0	0	36.195471	489.365604	Diesel	3545.1	42541.2

Fire Dept Vehicles (Gasoline)	Scope 1	72.374418	0	0	72.374418	1029.975345	Gasoline	8243.1	206077.5
KLPD Vehicles (Diesel)	Scope 1	26.48474	0	0	26.48474	358.07576	Diesel	2594	31128
Public Works Vehicles (Gasoline)	Scope 1	34.045328	0	0	34.045328	484.50612	Gasoline	3877.6	96940
Town Hall Vehicles (Gasoline)	Scope 1	10.92671	0	0	10.92671	155.500275	Gasoline	1244.5	31112.5
1 Summer St- Town Hall (Gasoline)	Scope 1	0.989506	0	0	0.989506	14.081865	Gasoline	112.7	2817.5
Facility Town Garage (Diesel)	Scope 1	51.119428	0	0	51.119428	691.138672	Diesel	5006.8	60081.6
Town Hall Vehicles (Diesel)	Scope 1	82.577459	0	0	82.577459	1116.453716	Diesel	8087.9	97054.8
1 Summer St -Code Enforcement Office (Gasoline)	Scope 1	4.042312	0	0	4.042312	57.52698	Gasoline	460.4	11510
Public Works Vehicles (Diesel)	Scope 1	182.310781	0	0	182.310781	2464.856044	Diesel	17856.1	214273.2
Town Hall Vehicles (LPG)	Scope 1	2.284155	0	0	2.284155	36.25642857	LPG	394.5	3945
Police Dept Vehicles (Gasoline)	Scope 1	126.358248	0	0	126.358248	1798.23042	Gasoline	14391.6	359790
KLPD Vehicles (Gasoline)	Scope 1	45.79648	0	0	45.79648	651.7392	Gasoline	5216	130400
Sewer District (Diesel)	Scope 1	6.600765	0	0	6.600765	89.24286	Diesel	646.5	7758
Sewer District (Gasoline)	Scope 1	20.781382	0	0	20.781382	295.744155	Gasoline	2366.9	59172.5

Transit Fleet

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Energy (MMBtu)	Fuel Type	Annual Fuel Use	Vehicle Type	Annual Miles Traveled
AQUA Line 7 Shuttle (Diesel)	Scope 1	11.2273244	0.000012096	0.000018144	11.23247125	151.8550476	Diesel	1099.64	Paratransit Bus	12096
BLUE Line 4b Trolley (Gasoline)	Scope 1	20.3878624	0.000359388	0.000298596	20.4770532	290.26	Gasoline	2322.08	Paratransit Bus	17880

Employee Commute

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Total Employee Aviation Passenger Miles	Fuel Use (gal)	Employee Commute Energy (MMBtu)	Energy (MMBtu) Per Employee	CO2e (MT) per Employee	Fuel Type	Employee Annual VMT	Percent VMT in Passenger Cars	Percent VMT in Light Trucks	Percent VMT in Heavy Trucks	Total Employees
Employee Air Travel	Scope 3	12.4172	0.0000592	0.00039664	12.5239672	74000										
Employee Commute (Electric)	Scope 3	0	0	0	0		0		0	0	Electric	27409				4

Employee Commute (Gasoline)	Scope 3	223.5085099	0.01086557821	0.007226052989	225.7276501		25456.5501	3182.068763	27.43162726	1.945928018	Gasoline	550909	68.85	31.15	0	116
Employee Commute (Diesel)	Scope 3	1.938378603	0.000003327	0.0000049905	1.939794241		189.8509895	26.2175176	5.24350352	0.3879588483	Diesel	3327	0	100	0	5

Electric Power Production

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	T&D Energy Equivalent (MMBtu)	Electricity Lost
KLPD T&D Losses	Scope 2	1174.570998	0.1893939863	0.0252525315	1186.56595	15833.96928	4639353

Solid Waste Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Waste Generated (wet tons)
Municipal Employee Trash and Recycling Generation	Scope 3		0.455058		12.741624	33.708

Water and Wastewater Treatment Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
Sewer- Doanes Wharf (Electric)	Scope 2	2.342887039	0.0003777793906	0.00005037058541	2.366813067	31.58361775	9254			
Sewer- Rivers Edge (Electric)	Scope 2	2.093762245	0.0003376092025	0.00004501456033	2.115144161	28.22525597	8270			
Sewer- Wells Road (Electric)	Scope 2	15.51308196	0.002501410674	0.0003335214232	15.67150463	209.1262799	61274			
Sewer- Admiral's Way (Electric)	Scope 2	0.1678554254	0.00002706588891	0.000003608785187	0.1695695984	2.262798635	663			
Sewer- Commons Lane (Electric)	Scope 2	1.183595949	0.0001908492166	0.00002544656222	1.195683066	15.9556314	4675			
Sewer- Brown Street (Electric)	Scope 2	3.089755071	0.000498208308	0.0000664277744	3.121308264	41.65187713	12204			
Sewer- Fieldcrest (Electric)	Scope 2	8.367200535	0.001349171286	0.0001798895048	8.45264805	112.7952218	33049			
Sewer- Western Ave (Electric)	Scope 2	8.176812481	0.001318472118	0.0001757962824	8.260315715	110.2286689	32297			
Sewer- Quail Run (Electric)	Scope 2	0.2898860665	0.00004674274932	0.000006232366576	0.2928464407	3.907849829	1145			
Sewer- Governor's Way (Electric)	Scope 2	0.1524117136	0.00002457566383	0.000003276755178	0.1539681723	2.054607509	602			
Sewer- Industrial Drive (Electric)	Scope 2	0.1724125863	0.00002780070942	0.000003706761256	0.1741732979	2.324232082	681			
Sewer- Mousam Landing (Electric)	Scope 2	0.08759875897	0.0000141248832	0.00000188331776	0.08849333491	1.180887372	346			

Sewer- Waterford Greene (Electric)	Scope 2	0.23266838	0.00003751666954	0.000005002222605	0.2350444358	3.136518771	919		
Sewer- River Bluff (Electric)	Scope 2	0.2871011349	0.00004629369234	0.000006172492312	0.2900330687	3.870307167	1134		
Sewer- Fairway Drive (Electric)	Scope 2	0.7668689044	0.000123653963	0.00001648719507	0.7747003221	10.33788396	3029		
Sewer- Boothby Road (Electric)	Scope 2	10.99085932	0.001772223785	0.0002362965046	11.10310016	148.1638225	43412		
Sewer- Mere Land (Electric)	Scope 2	0.2764677595	0.00004457911114	0.000005943881485	0.2792911032	3.726962457	1092		
Sewer- Portland Road (Electric)	Scope 2	0.7729451189	0.0001246337237	0.00001661782983	0.7808385881	10.41979522	3053		
Sewer- Berry Court (Electric)	Scope 2	0.2957091054	0.00004768168664	0.000006357558219	0.2987289456	3.986348123	1168		
Sewer- Coventry Woods (Electric)	Scope 2	0.297228159	0.00004792662681	0.000006390216908	0.3002635121	4.006825939	1174		
Sewer- Rosewood (Electric)	Scope 2	0.4805272963	0.00007748274079	0.00001033103211	0.4854345366	6.4778157	1898		
Sewer- Sycamore Lane (Electric)	Scope 2	0.5866078744	0.0000945877294	0.00001261169725	0.5925984306	7.907849829	2317		
Sewer- Powdermill (Electric)	Scope 2	1.095490838	0.0001766426867	0.00002355235823	1.106678208	14.76791809	4327		
Sewer- Cat Mousam (Electric)	Scope 2	6.251412013	0.001008010451	0.0001344013934	6.315252675	84.27303754	24692		
Sewer- Summerfields (Electric)	Scope 2	1.613488124	0.0002601672851	0.00003468897134	1.629965385	21.75085324	6373		
Sewer- Clarkdale (Electric)	Scope 2	1.60969049	0.0002595549346	0.00003460732462	1.626128969	21.6996587	6358		
Sewer- Intervale (Electric)	Scope 2	0.6496485998	0.0001047527465	0.00001396703287	0.6562829404	8.757679181	2566		
KLPD Sewer District Buildings (Electric)	Scope 2	227.3071334	0.03665219403	0.004886959204	229.6284391	3064.245734	897824		
CMP Sewer District Buildings (Electric)	Scope 2	8.176812481	0.001318472118	0.0001757962824	8.260315715	110.2286689	32297		
Sewer District Location Garage (#2 Heating Oil)	Scope 1	86.57136336	0.012723	0.0008482	87.15238036		1170.516	Distillate Fuel Oil No. 2	8482
Sewer District Process Building (#2 Heating Oil)	Scope 1	61.32053184	0.009012	0.0006008	61.73207984		829.104	Distillate Fuel Oil No. 2	6008
Sewer District Control Building (#2 Heating Oil)	Scope 1	137.1546782	0.020157	0.0013438	138.0751812		1854.444	Distillate Fuel Oil No. 2	13438
Public Services Fugitive Septic Emissions	Scope 1		0.07810506		2.18694168				
Clearbrook Crossing Fire Station Fugitive Septic Emissions	Scope 1		0.0433917		1.2149676				
Sewer District Process N2O Emissions	Scope 1			0.0756	20.034				
Sewer District Process N2O From Effluent Discharge	Scope 1			0.1997300228	52.92845603				

Appendix C: 2018 Municipal Inventory Data

Buildings and Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
80 Thompson Road- DS Comm Ctr (Electric)	Scope 2	0.7202277399	0.0001130716405	0.00001516814689	0.7274133048	10.37542662	3040			
159 Port Road- Washington Station (Electric)	Scope 2	5.581054233	0.0008761936297	0.0001175381698	5.63673527	80.39931741	23557			
19 Park Street- Youth Center (Electric)	Scope 2	2.233179828	0.0003505964747	0.00004703123441	2.255459806	32.17064846	9426			
Waterhouse Pavilion- Chiller (Electric)	Scope 2	17.6605054	0.002772598452	0.0003719339387	17.83670065	254.4129693	74543			
Kennebunk Youth Football- Snack Shack (Electric)	Scope 2	0.4165001207	0.00006538813945	0.000008771579683	0.4206554572	6	1758			
4 Summer Street- Police (Electric)	Scope 2	23.32448059	0.003661810199	0.0004912184413	23.55718416	336.0068259	98450			
Holland Road- Score Board (Electric)	Scope 2	0.06112459109	0.000009596211592	0.000001287296677	0.06173441863	0.8805460751	258			
80 Thompson Road- Fire Station (Electric)	Scope 2	7.306520888	0.001147082037	0.0001538768586	7.379416553	105.2559727	30840			
Clearbrook Crossing- Fire Station (Electric)	Scope 2	0.5141099328	0.0000807123223	0.00001082726275	0.5192391024	7.406143345	2170			
Parsons Field-Concession (Electric)	Scope 2	0.6268824342	0.00009841696075	0.00001320227522	0.633136712	9.030716724	2646			
Facility Town Garage- Right Side (Electric)	Scope 2	1.2416821	0.0001949369959	0.00002615008482	1.254070109	17.88737201	5241			
Holland Road- Garden Pump (Electric)	Scope 2	0.07462886121	0.00001171630485	0.000001571699431	0.07537341809	1.075085324	315			
Facility Town Garage- Left Side (Electric)	Scope 2	11.45872858	0.001798954922	0.0002413232212	11.57304997	165.0716724	48366			
4 Factory Pasture Lane (Electric)	Scope 2	28.72381947	0.004509475556	0.0006049296477	29.01039114	413.7883959	121240			
Twine Mill Dam (Electric)	Scope 2	7.027195722	0.001103229582	0.0001479942122	7.097304616	101.2320819	29661			
Kesslen Dam (Electric)	Scope 2	0.3665106295	0.00005754007493	0.00000771879054	0.3701672311	5.279863481	1547			
Water Street Substation (Electric)	Scope 2	4.295542484	0.0006743756294	0.00009046502345	4.338398233	61.88054608	18131			
Dane Perkins Dam (Electric)	Scope 2	4.318760352	0.000678020702	0.00009095399661	4.361847741	62.21501706	18229			
W. Kennebunk Substation (Electric)	Scope 2	10.66316122	0.001674055393	0.0002245684063	10.7695454	153.6109215	45008			
1 Summer St- Town Hall + Fire Station (Electric)	Scope 2	72.23528856	0.01134052762	0.00152129029	72.95596526	1040.604096	304897			
19 Park Street- Youth Center (Propane)	Scope 1	9.765692846	0.0017461	0.00017461	9.860855296			158.8951	Propane	1746.1

80 Thompson Road- DS Comm Ctr (Propane)	Scope 1	7.973740502	0.0014257	0.00014257	8.051441152			129.7387	Propane	1425.7
Waterhouse Pavilion- Zamboni 2 (Propane)	Scope 1	38.44323	0.006873626374	0.0006873626374	38.81784264			625.5	Propane	625.5
Waterhouse Pavilion- Zamboni 1 (Propane)	Scope 1	0.214206538	0.0000383	0.00000383	0.216293888			3.4853	Propane	38.3
Facility Town Garage (Propane)	Scope 1	13.95977856	0.002496	0.0002496	14.09581056			227.136	Propane	2496
1 Summer St- Town Hall + Fire Station (#2 Heating Oil)	Scope 1	101.992334	0.01498935	0.00099929	102.6768476			1379.0202	Distillate Fuel Oil No. 2	9992.9
Facility Town Garage (#2 Heating Oil)	Scope 1	30.79499146	0.0045258	0.00030172	31.00166966			416.3736	Distillate Fuel Oil No. 2	3017.2
Clearbrook Crossing- Fire Station (Propane)	Scope 1	2.892627192	0.0005172	0.00005172	2.920814592			47.0652	Propane	517.2
159 Port Road- Washington Station (Propane)	Scope 1	1.61074368	0.000288	0.0000288	1.62643968			26.208	Propane	288
4 Summer Street- Police Dept (Propane)	Scope 1	2.577189888	0.0004608	0.00004608	2.602303488			41.9328	Propane	460.8
80 Thompson Road- Fire Station (Propane)	Scope 1	20.14771886	0.0036024	0.00036024	20.34404966			327.8184	Propane	3602.4
4 Summer St- Police (#2 Heating Oil)	Scope 1	25.86322032	0.003801	0.0002534	26.03679932			349.692	Distillate Fuel Oil No. 2	2534
159 Port Road- Washington Station (Kerosene)	Scope 1	17.1223632	0.0025299	0.00016866	17.2378953			227.691	Kerosene	1686.6
159 Port Road- Washington Station (#2 Heating Oil)	Scope 1	12.38148089	0.00181965	0.00012131	12.46457824			167.4078	Distillate Fuel Oil No. 2	1213.1

Streetlight and Traffic Signals

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBTU)	Electricity Used
Town Wide Street Lighting- KLPD & CMP	Scope 2	82.23389754	0.01291025211	0.001731863088	83.05432832	1184.641638	347100
Main & Green- Traffic Lights	Scope 2	1.447799907	0.0002272963141	0.00003049096897	1.462244311	20.85665529	6111
Thompson Road- Blinkers 2	Scope 2	0.005449091453	0.000008554762272	0.0000001147590061	0.005503455924	0.07849829352	23
Independence Drive- St Lights	Scope 2	1.650127042	0.0002590605184	0.00003475202076	1.666590022	23.77133106	6965
Sea Road-Traffic Blinkers	Scope 2	0.009713597808	0.000001524979362	0.0000002045704022	0.009810508387	0.1399317406	41
Sea Road School- Tr	Scope 2	0.009476680789	0.000001487784743	0.0000001995808802	0.009571227695	0.1365187713	40
Thompson Road- Blinkers 1	Scope 2	0.007344427611	0.000001153033176	0.0000001546751821	0.007417701463	0.1058020478	31
Lafayette Park	Scope 2	0.01871644456	0.000002938374867	0.0000003941722383	0.0189031747	0.2696245734	79
Holland Road- Field	Scope 2	0.1236706843	0.0000194155909	0.000002604530486	0.1249045214	1.781569966	522

Rogers Pond- Street Lights	Scope 2	0.1293566928	0.00002030826174	0.000002724279014	0.130647258	1.863481229	546
Main & Water- Traffic Lights	Scope 2	0.5356693816	0.0000840970326	0.00001128130925	0.5410136454	7.716723549	2261
Nason Court- Skating Rink	Scope 2	3.759399269	0.0005902042075	0.00007917373516	3.796906026	54.15699659	15868
Rotary Park	Scope 2	0.05449091453	0.000008554762272	0.000001147590061	0.05503455924	0.7849829352	230
LED Post Lights 1	Scope 2	1.018743185	0.0001599368599	0.00002145494462	1.028906977	14.67576792	4300
St. Lt Controls- Pedestal	Scope 2	0.9633046022	0.0001512333191	0.00002028739647	0.9729152952	13.87713311	4066
LED Post Lights 2	Scope 2	0.9798887935	0.0001538369424	0.00002063666301	0.9896649436	14.11604096	4136
Summer Street- Traffic Lights	Scope 2	0.2771929131	0.00004351770373	0.000005837740744	0.2799584101	3.993174061	1170
Rt 1 Traffic Lt @ CVS	Scope 2	0.4916028159	0.00007717883354	0.00001035325816	0.4965074367	7.081911263	2075
Rt 1 Bridge Post Lights	Scope 2	1.324129223	0.0002078807232	0.00002788643848	1.33733979	19.07508532	5589
Rt 35 & Durrells Bridge Road	Scope 2	0.04714648692	0.000007401729096	0.0000009929148788	0.04761685778	0.6791808874	199
York & High Traffic Light	Scope 2	0.576656026	0.00009053170161	0.00001214449656	0.5824092052	8.307167235	2434
Route 1 & Barnard Lane	Scope 2	0.01279351906	0.000002008509403	0.0000002694341882	0.01292115739	0.1843003413	54
WK Alfred Road- Street Lights	Scope 2	1.338107327	0.0002100752057	0.00002818082028	1.35145735	19.27645051	5648
Shoppers Village- Traffic Lights	Scope 2	0.4560652629	0.00007159964075	0.000009604829857	0.4606153328	6.56996587	1925
Traffic Lights- Longbank	Scope 2	0.6069814045	0.00009529261279	0.00001278315537	0.6130371338	8.744027304	2562
Alfred & Thompson Traffic	Scope 2	0.0852901271	0.00001339006269	0.000001796227921	0.08614104925	1.228668942	360
Ross Rd @ Rt 1- Traffic Lights	Scope 2	0.3785933975	0.00005943700048	0.000007973256162	0.3823705464	5.453924915	1598
West K Street Lights	Scope 2	0.5856588727	0.00009194509711	0.00001233409839	0.5915018715	8.436860068	2472
Alewife @ Alfred- Traffic Lights	Scope 2	0.3686428827	0.0000578748265	0.000007763696238	0.3723207573	5.310580205	1556

Vehicle Fleet

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Energy Equivalent (MMBtu)	Fuel Type	Annual Fuel Use	Annual Miles Traveled (VMT)
1 Summer St- Code Enforcement Office (Gasoline)	Scope 1	5.33824	0	0	5.33824	75.9696	Gasoline	608	15200
1 Summer St- Town Hall (Gasoline)	Scope 1	1.55845	0	0	1.55845	22.178625	Gasoline	177.5	4437.5

Employee Commute (Electric)	Scope 3	0	0	0	0	0	0	0	0	0	Electric	27409					4
Employee Commute (Gasoline)	Scope 3	223.5085099	0.01050431963	0.006393354036	225.4968697	25456.5501	3182.068763	27.43162726	1.943938532	Gasoline	550909	68.85	31.15	0		116	
Employee Commute (Diesel)	Scope 3	1.938378603	0.000003327	0.0000049905	1.939794241	189.8509895	26.2175176	5.24350352	0.3879588483	Diesel	3327	0	100	0		5	

Electric Power Production

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	T&D Energy Equivalent (MMBtu)	Electricity Lost
KLPD T&D Losses	Scope 2	1159.0073	0.1819575247	0.02440893623	1170.570479	16696.37884	4892039

Solid Waste Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Waste Generated (wet tons)
Municipal Employee Trash and Recycling Generation	Scope 3		0.468153		13.108284	34.678

Water and Wastewater Treatment Facilities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
KLPD Sewer District Buildings (Electric)	Scope 2	222.2968704	0.03489933866	0.004681618601	224.5146808	3202.354949	938290			
CMP Sewer District Buildings (Electric)	Scope 2	7.451514104	0.001169845143	0.0001569304461	7.525856336	107.3447099	31452			
Sewer- Doanes Wharf (Electric)	Scope 2	2.089845031	0.0003280937304	0.0000440125736	2.110694987	30.10580205	8821			
Sewer- Boothby Road (Electric)	Scope 2	13.70944026	0.002152303798	0.0002887236803	13.84621654	197.4948805	57866			
Sewer- Brown Street (Electric)	Scope 2	2.793725496	0.0004385989422	0.00005883644347	2.821597924	40.24573379	11792			
Sewer- Admiral's Way (Electric)	Scope 2	0.1715279223	0.00002692890385	0.000003612413931	0.1732392213	2.470989761	724			
Sewer- Portland Road (Electric)	Scope 2	0.853375105	0.0001339750161	0.00001797225826	0.8618890539	12.29351536	3602			
Sewer- Powdermill (Electric)	Scope 2	1.314889459	0.0002064301331	0.00002769184712	1.328007843	18.94197952	5550			
Sewer- Fairway Drive (Electric)	Scope 2	0.6384913681	0.0001002394971	0.0000134467618	0.6448614659	9.197952218	2695			
Sewer- Fieldcrest (Electric)	Scope 2	8.993370068	0.001411907721	0.0001894022553	9.083095082	129.556314	37960			
Sewer- Western Ave (Electric)	Scope 2	7.451514104	0.001169845143	0.0001569304461	7.525856336	107.3447099	31452			

Sewer- Governor's Way (Electric)	Scope 2	0.1705802542	0.00002678012537	0.000003592455843	0.1722820985	2.457337884	720		
Sewer- Commons Lane (Electric)	Scope 2	1.32436614	0.0002079179178	0.000027891428	1.33757907	19.07849829	5590		
Sewer- River Bluff (Electric)	Scope 2	0.251842792	0.00003953787954	0.00000530386189	0.254355376	3.627986348	1063		
Sewer- Rivers Edge (Electric)	Scope 2	2.484311869	0.0003900227704	0.00005232012773	2.50909734	35.7883959	10486		
Sewer- Rosewood (Electric)	Scope 2	0.4842583883	0.00007602580036	0.00001019858298	0.4890897352	6.976109215	2044		
Sewer- Mousam Landing (Electric)	Scope 2	0.09903131424	0.00001554735056	0.000002085620198	0.1000193294	1.42662116	418		
Sewer- Industrial Drive (Electric)	Scope 2	0.1776877648	0.00002789596393	0.000003742141503	0.1794605193	2.559726962	750		
Sewer- Mere Land	Scope 2	0.2148837369	0.00003373551905	0.000004525496457	0.217027588	3.09556314	907		
Sewer- Waterford Greene (Electric)	Scope 2	0.3340529978	0.00005244441219	0.000007035226025	0.3373857762	4.812286689	1410		
Sewer- Quail Run (Electric)	Scope 2	0.2923556023	0.00004589815932	0.000006157070153	0.2952723744	4.211604096	1234		
Sewer- Berry Court (Electric)	Scope 2	0.2978046938	0.00004675363555	0.000006271829159	0.3007758303	4.290102389	1257		
Sewer- Coventry Woods (Electric)	Scope 2	0.2752975769	0.00004322014678	0.000005797824568	0.2780441645	3.965870307	1162		
Sewer- Sycamore Lane (Electric)	Scope 2	0.6121935789	0.00009611089439	0.00001289292486	0.6183013091	8.819112628	2584		
Sewer- Intervale (Electric)	Scope 2	0.6292516044	0.00009878890693	0.00001325217044	0.6355295189	9.064846416	2656		
Sewer- Summerfields (Electric)	Scope 2	1.26632147	0.0001988052363	0.00002666899511	1.278955301	18.24232082	5345		
Sewer- Clarkdale (Electric)	Scope 2	1.517690428	0.0002382687266	0.00003196287796	1.532832115	21.86348123	6406		
Sewer- Cat Mousam (Electric)	Scope 2	7.113907351	0.001116842812	0.0001498203772	7.18488135	102.4812287	30027		
Sewer- Wells Road (Electric)	Scope 2	16.23284344	0.002548463681	0.0003418670791	16.3947952	233.8464164	68517		
Sewer District Process Building (#2 Heating Oil)	Scope 1	83.10116016	0.012213	0.0008142	83.65888716		1123.596	Distillate Fuel Oil No. 2	8142
Sewer District Location Garage (#2 Heating Oil)	Scope 1	109.9646155	0.016161	0.0010774	110.7026345		1486.812	Distillate Fuel Oil No. 2	10774
Sewer District Control Building (#2 Heating Oil)	Scope 1	122.3042498	0.0179745	0.0011983	123.1250853		1653.654	Distillate Fuel Oil No. 2	11983
Public Services Fugitive Septic Emissions	Scope 1		0.07810506		2.18694168				
Clearbrook Crossing Fire Station Fugitive Septic Emissions	Scope 1		0.0433917		1.2149676				
Sewer District Process N2O Emissions	Scope 1			0.0756	20.034				

Sewer District Process N2O From Effluent Discharge	Scope 1			0.1997300228	52.92845603					
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Appendix D: 2016 Community Inventory Data

Residential Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Residential Buildings (Electric)	Scope 2	2419.6633	0.3901591975	0.05202122633	2444.373383	32618.61092	9557253			
KLPD Residential Buildings (Electric)	Scope 2	11996.49915	1.934378423	0.2579171231	12119.00978	161720.4915	47384104			
All Residential Buildings (Natural Gas)	Scope 1	515.4927822	0.04861305	0.000972261	517.1115968			9722.61	Natural Gas	9722.61
All Residential Buildings (Distillate Fuel Oil)	Scope 1	10531.7546	1.54780413	0.103186942	10602.43766			142397.98	Distillate Fuel Oil No. 2	142397.98
All Residential Buildings (HGL)	Scope 1	2132.13959	0.3812252747	0.03812252747	2152.916367			34691.5	Propane	34691.5
All Residential Buildings (Wood)	Scope 1	0	4.6726604	0.06210498	147.2923109			14786.9	Wood	14786.9

Commercial Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Commercial Buildings (Electric)	Scope 2	873.1036664	0.1407838131	0.01877117508	882.0199746	882.0199746	3448609			
KLPD Commercial Buildings (Electric)	Scope 2	8713.304498	1.404978903	0.1873305205	8802.286495	8802.286495	34416051			
All Commercial Buildings (Residual Fuel Oil)	Scope 1	207.8373726	0.03053378571	0.002035585714	209.2317488			2849.82	Residual Fuel Oil No. 5	2849.82
All Commercial Buildings (Distillate Fuel Oil)	Scope 1	5761.128252	0.8466868478	0.05644578986	5799.793618			77895.19	Distillate Fuel Oil No. 2	77895.19
All Commercial Buildings (Natural Gas)	Scope 1	4432.197887	0.41797415	0.008359483	4446.116426			83594.83	Natural Gas	83594.83
All Commercial Buildings (HGL)	Scope 1	3794.920223	0.6785294505	0.06785294505	3831.900078			61746.18	Propane	61746.18
All Commercial Buildings (Kerosene)	Scope 1	142.870976	0.02110977778	0.001407318519	143.8349892			1899.88	Kerosene	1899.88
All Commercial Buildings (Gasoline)	Scope 1	1067.277993	0.170229472	0.012159248	1075.266619			15199.06	Gasoline	15199.06
All Commercial Buildings (Wood)	Scope 1	0	13.808	0.18353	435.25945			43697.3		43697.3

Industrial Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Industrial Buildings (Electric)	Scope 2	25.91404212	0.004178516025	0.0005571354701	26.17868147	349.337884	102356			

KLPD Industrial Buildings (Electric)	Scope 2	6162.731435	0.9937111294	0.1324948172	6225.666473	83077.56655	24341727		
All Industrial Buildings (Coal)	Scope 1	353.537			353.537			3693.57	3693.57
All Industrial Buildings (Natural Gas)	Scope 1	9546.873455	0.18006174	0.018006174	9556.68682			180061.74	Natural Gas 180061.74
All Industrial Buildings (Distillate Fuel Oil)	Scope 1	2322.002305	0.09100110145	0.02275027536	2330.579159			31395.38	Distillate Fuel Oil No. 2 31395.38
All Industrial Buildings (HGL)	Scope 1	170.2552628	0.009132461538	0.003044153846	171.3176725			2770.18	Propane 2770.18
All Industrial Buildings (Gasoline)	Scope 1	778.0881584	0.035458304	0.008864576	781.4301036			11080.72	Gasoline 11080.72
All Industrial Buildings (Residual Fuel Oil)	Scope 1	538.7448495	0.02110614286	0.005276535714	540.7341035			7387.15	Residual Fuel Oil No. 5 7387.15
All Industrial Buildings ("Other" Petroleum)	Scope 1	2708.12872	0.1067032593	0.02667581481	2718.185502			36012.35	Kerosene 36012.35
All Industrial Buildings (Wood)	Scope 1	0	142.39	1.8926	4488.459			450616.05	450616.05

Transportation and Mobile Sources

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Fuel Energy Equivalent (MMBtu)	Fuel Type	VMT
Kennebunk AVMT (Diesel)	Scope 1	11659.19378	0.03510851054	0.03354358151	11669.06586	157696.2919	Diesel	7641255.07
Kennebunk AVMT (Gasoline)	Scope 1	30999.19755	1.600041304	1.110426653	31338.26177	441332.5392	Gasoline	74522777.93
I-95 AVMT (Gasoline)	Scope 1	28236.10713	1.457422811	1.011449598	28544.94911	401994.6914	Gasoline	67880245.52
I-95 AVMT (Diesel)	Scope 1	10619.96021	0.03197913956	0.03055369931	10628.95235	143640.1502	Diesel	6960157.48

Solid Waste

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Waste Generated (wet tons)	Collection Emissions (MTCO2e)	Transportation Emissions (MTCO2e)	Fuel Type	Round-Trip miles traveled to disposal site
Trash and Recycling Collection and Transportation	Scope 3				1192.973778		59.8642	1133.109578	Diesel	2704
Transfer Station Yard Waste	Scope 3		11.976552		335.343456	316.84				
Trash and Recycling Generation	Scope 3		40.408335		1131.43338	2993.21				

Water and Wastewater

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy (MMBtu)	Electricity Used
CMP Sewer District Buildings (Electric)	Scope 2	8.216307875	0.001324840562	0.0001766454083	8.300214444	110.7610922	32453

KLDP Sewer District Buildings (Electric)	Scope 2	239.5648835	0.03862869792	0.005150493055	242.0113677	3229.488055	946240
Sewer- Waterford Greene (Electric)	Scope 2	0.2212754779	0.00003567961826	0.000004757282434	0.223535187	2.982935154	874
Sewer- Mere Land (Electric)	Scope 2	0.2992535639	0.00004825321371	0.000006433761827	0.3023096007	4.034129693	1182
Sewer- Rosewood (Electric)	Scope 2	0.3992579274	0.00006437844164	0.000008583792218	0.4033352287	5.38225256	1577
Sewer- Rivers Edge (Electric)	Scope 2	3.106464661	0.0005009026499	0.00006678701999	3.138188495	41.87713311	12270
Sewer- Mousam Landing (Electric)	Scope 2	0.08076301766	0.00001302265243	0.000001736353657	0.08158778565	1.088737201	319
Sewer- Quail Run (Electric)	Scope 2	0.2605176965	0.00004200723934	0.000005600965246	0.263178155	3.511945392	1029
Sewer- Intervale (Electric)	Scope 2	0.6316731319	0.0001018542878	0.00001358057171	0.6381239034	8.515358362	2495
Sewer- Western Ave (Electric)	Scope 2	6.14735684	0.0009912320491	0.0001321642732	6.21013487	82.87030717	24281
Sewer- Admiral's Way (Electric)	Scope 2	0.1962110931	0.00003163810543	0.000004218414058	0.1982148397	2.645051195	775
Sewer- Commons Lane (Electric)	Scope 2	1.387149134	0.0002236711996	0.00002982282661	1.401314977	18.6996587	5479
Sewer- Fairway Drive (Electric)	Scope 2	0.728133037	0.0001174079887	0.00001565439849	0.7355688763	9.815699659	2876
Sewer- Doanes Wharf (Electric)	Scope 2	3.182670517	0.0005131904818	0.00006842539757	3.215172581	42.90443686	12571
Sewer- Brown Street (Electric)	Scope 2	2.763158542	0.0004455461712	0.00005940615616	2.791376466	37.24914676	10914
Sewer- Fieldcrest (Electric)	Scope 2	8.921908284	0.001438615272	0.0001918153695	9.013020584	120.2730375	35240
Sewer- Wells Road (Electric)	Scope 2	15.99664736	0.002579383295	0.0003439177727	16.1600083	215.6450512	63184
Sewer- Boothby Road (Electric)	Scope 2	10.16753225	0.001639466212	0.0002185954949	10.27136512	137.0648464	40160
Sewer- Governor's Way (Electric)	Scope 2	0.1602601573	0.00002584118805	0.00000344549174	0.1618967659	2.160409556	633
Sewer- Clarkdale (Electric)	Scope 2	1.686655874	0.0002719652366	0.00003626203155	1.703880339	22.73720137	6662
Sewer- Cat Mousam (Electric)	Scope 2	4.920974214	0.0007934836843	0.0001057978246	4.971228181	66.33788396	19437
Sewer- Coventry Woods (Electric)	Scope 2	0.3326727436	0.00005364189747	0.000007152252996	0.3360700638	4.484641638	1314
Sewer- River Bluff (Electric)	Scope 2	0.2830503252	0.00004564051855	0.000006085402473	0.2859408914	3.815699659	1118
Sewer- Sycamore Lane (Electric)	Scope 2	0.4822995255	0.00007776850432	0.00001036913391	0.4872248641	6.501706485	1905
Sewer- Industrial Drive (Electric)	Scope 2	0.1587411037	0.00002559624788	0.000003412833051	0.1603621994	2.139931741	627

Sewer- Berry Court (Electric)	Scope 2	0.2719105987	0.00004384429063	0.000005845905417	0.2746874037	3.66552901	1074
Sewer- Summerfields (Electric)	Scope 2	1.21347067	0.0001956663733	0.00002608884978	1.225862873	16.35836177	4793
Sewer- Portland Road (Electric)	Scope 2	0.7461085049	0.0001203064474	0.00001604085965	0.7537279132	10.05802048	2947
Sewer- Powdermill (Electric)	Scope 2	0.9845999238	0.0001587620542	0.0000211682739	0.9946548539	13.27303754	3889
Water- 92 Main Street (Electric)	Scope 2	13.86136432	0.002235079061	0.0002980105415	14.00291932	186.8600683	54750
Water- Cat Mousam Booster (Electric)	Scope 2	4.134610788	0.0006666863224	0.00008889150965	4.176834255	55.73720137	16331
Water- York Street Tank (Electric)	Scope 2	4.21284205	0.0006793007412	0.00009057343216	4.25586443	56.79180887	16640
Water- York Street Pump Station (Electric)	Scope 2	344.0403282	0.05547486642	0.007396648856	347.5537364	4637.883959	1358900
Water- Portland Road Pump Station (Electric)	Scope 2	5.580496662	0.0008998285419	0.0001199771389	5.637485803	75.22866894	22042
Water- W Kenn Water Tower (Electric)	Scope 2	8.127949589	0.001310593209	0.0001747457612	8.210953826	109.5699659	32104
Water- W Kenn Booster (Electric)	Scope 2	2.891265397	0.0004662027923	0.00006216037231	2.920791574	38.97610922	11420
Water- Kimball Lane Treatment Facility (Electric)	Scope 2	2.035785031	0.0003282606526	0.00004376808702	2.056574873	27.44368601	8041
Water- New Building (Electric)	Scope 2	2.978104629	0.0004802052054	0.00006402736072	3.008517626	40.14675768	11763
Water- Kimball Lane Well (Electric)	Scope 2	75.41594891	0.01216046303	0.00162139507	76.18611157	1016.65529	297880
Water- Granite Point Booster (Electric)	Scope 3	9.24521353	0.001490746705	0.0001987662273	9.339627488	124.6313993	36517
Water- Well Blueberry Building (Electric)	Scope 3	1.29119558	0.0002081991454	0.00002775988606	1.304381526	17.40614334	5100
Water- Burnt Mill Booster (Electric)	Scope 3	1.792483276	0.0002890294019	0.00003853725359	1.810788471	24.16382253	7080
Water- Forest Booster (Electric)	Scope 3	3.644462819	0.0005876522938	0.00007835363918	3.681680798	49.12969283	14395
Water- Harrissectett Road (Electric)	Scope 3	1.503863088	0.0002424907694	0.00003233210258	1.519220836	20.27303754	5940
Water- South Street (Electric)	Scope 3	11.84001029	0.00190914534	0.000254552712	11.96092283	159.6109215	46766
Water- Arundel Booster (Electric)	Scope 3	1.569688745	0.0002531048435	0.00003374731246	1.585718718	21.16040956	6200
Water- BP Interconn (Electric)	Scope 3	0.549137885	0.00008854587185	0.00001180611625	0.5547457902	7.402730375	2169
Water- Crow Hill Tank (Electric)	Scope 3	3.532052851	0.0005695267212	0.00007593689615	3.568122877	47.61433447	13951
Water- Biddeford Pool Tank (Electric)	Scope 3	2.025658007	0.0003266277182	0.00004355036242	2.046344429	27.30716724	8001

Water- 9B Booster (Electric)	Scope 3	2.193007081	0.0003536119603	0.00004714826138	2.215402506	29.56313993	8662
Water- 95 By Pass Road (Electric)	Scope 3	36.45222346	0.005877747639	0.0007836996852	36.82448081	491.3993174	143980
Water- York Interconn (Electric)	Scope 3	2.392256282	0.0003857399461	0.00005143199282	2.416686478	32.24914676	9449
Water- Moody Booster (Electric)	Scope 3	11.29593592	0.001821415936	0.0002428554581	11.41129226	152.2764505	44617
Water- Spencer Press Lane (Electric)	Scope 3	3.66167876	0.0005904282824	0.00007872377099	3.699072551	49.36177474	14463
Town-wide Fugitive Septic Emissions	Scope 1		11.78518572			329.9852002	
Sewer District Process N2O Emissions	Scope 1			0.0756	20.034		
Sewer District Process N2O From Effluent Discharge	Scope 1			0.1997300228	52.92845603		

Process and Fugitive Emissions

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Natural Gas Released (MT)	Natural Gas Used (MMBtu)	Nature Gas Energy Density	Leakage Rate	Natural Gas Density	Natural Gas % CH4	Natrual Gas % CO2
Natural Gas Fugitive Emissions	Scope 1	0.1812932582	16.93279032		474.2994222	18.12932582	273379.18	1028	0.3	0.8	93.4	1

Upstream Impacts of Activities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	T&D loss Energy Equivalent (MMBtu)	Electricity Use	Grid Loss Factor	Electricity Use Associated with Upstream Emissions (kWh)
Kennebunk T&D Losses (CMP)	Scope 3	150.8559302	0.02432480117	0.003243306822	152.396501	2033.634553	13270711	0.0449	
Kennebunk T&D Losses (KLPD)	Scope 3	1123.463324	0.181153117	0.02415374893	1134.936355	15145.00511	108231378	0.041	
Upstream "Other" Petroleum Emissions	Scope 3	5566.21			5566.21				
Upstream Coal Emissions	Scope 3	12.99			12.99				
Upstream Natural Gas Emissions	Scope 3	3438.38			3438.38				
Upstream Distillate Fuel Oil Emissions	Scope 3	4032.48			4032.48				
Upstream HGL Emissions	Scope 3	1516			1516				
Upstream Kerosene Emissions	Scope 3	293.65			293.65				
Upstream Gasoline Emissions	Scope 3	403.69			403.69				
Upstream Residual Fuel Oil Emissions	Scope 3	167.32			167.32				

Upstream Purchased KLPD Electricity Emissions	Scope 3					7446					108231378
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Consumption Based

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)
Consumption Based Emissions	Scope 3	92064			92064

Appendix E: 2017 Community Inventory Data

Residential Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Residential Buildings (Electric)	Scope 2	2542.463595	0.4099601609	0.05466135479	2568.427739	34274.03754	10042293			
KLPD Residential Buildings (Electric)	Scope 2	12137.9514	1.957186926	0.2609582568	12261.90657	163627.3584	47942816			
All Residential Buildings (Natural Gas)	Scope 1	467.0128848	0.0440412	0.000880824	468.4794568			8808.24	Natural Gas	8808.24
All Residential Buildings (HGL)	Scope 1	2262.597659	0.4045510989	0.04045510989	2284.645694			36814.15	Propane	36814.15
All Residential Buildings (Wood)	Scope 1	0	3.91002284	0.051968658	123.2523339			12373.49	Wood	12373.49
All Residential Buildings (Distillate Fuel Oil)	Scope 1	10277.25454	1.510401413	0.1006934275	10346.22954			138956.93	Distillate Fuel Oil No. 2	138956.93

Commercial Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Commercial Buildings (Electric)	Scope 2	1189.135684	0.1917424726	0.02556566302	1201.279374	16030.31058	4696881			
KLPD Commercial Buildings (Electric)	Scope 2	8779.322568	1.415624003	0.1887498671	8868.978755	118350.8908	34676811			
All Commercial Buildings (HGL)	Scope 1	4386.351647	0.784277033	0.0784277033	4429.094745			71369.21	Propane	71369.21
All Commercial Buildings (Gasoline)	Scope 1	1129.362304	0.18013184	0.01286656	1137.815634			16083.2	Gasoline	16083.2
All Commercial Buildings (Wood)	Scope 1	0	15.882	0.21109	500.63485			50260.01		50260.01
All Commercial Buildings (Kerosene)	Scope 1	75.59104	0.01116888889	0.0007445925926	76.10108593			1005.2	Kerosene	1005.2
All Commercial Buildings (Natural Gas)	Scope 1	4903.205828	0.4623921	0.009247842	4918.603485			92478.42	Natural Gas	92478.42
All Commercial Buildings (Residual Fuel Oil)	Scope 1	146.618472	0.02154	0.001436	147.602132			2010.4	Residual Fuel Oil No. 5	2010.4
All Commercial Buildings (Distillate Fuel Oil)	Scope 1	6393.636391	0.9396436957	0.06264291304	6436.546787			86447.22	Distillate Fuel Oil No. 2	86447.22

Industrial Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
KLPD Industrial Buildings (Electric)	Scope 2	6026.621951	0.9717641226	0.1295685497	6088.167012	81242.72355	23804118			

CMP Industrial Buildings (Electric)	Scope 2	31.66214103	0.005105369633	0.000680715951	31.98548111	426.8259386	125060			
All Industrial Buildings (Coal)	Scope 1	468.721			468.721				4900.23	4900.23
All Industrial Buildings (Natural Gas)	Scope 1	9510.407359	0.17937396	0.017937396	9520.18324			179373.96	Natural Gas	179373.96
All Industrial Buildings (Gasoline)	Scope 1	825.9437906	0.037639136	0.009409784	829.4912792			11762.23	Gasoline	11762.23
All Industrial Buildings (Distillate Oil)	Scope 1	2537.30874	0.09943913043	0.02485978261	2546.680878			34306.5	Distillate Fuel Oil No. 2	34306.5
All Industrial Buildings (HGL)	Scope 1	301.2111578	0.01615691209	0.005385637363	303.0907452			4900.93	Propane	4900.93
All Industrial Buildings (Residual Fuel Oil)	Scope 1	571.8791364	0.02240422857	0.005601057143	573.9907349			7841.48	Residual Fuel Oil No. 5	7841.48
All Industrial Buildings ("Other" Petroleum)	Scope 1	3022.108272	0.1190744	0.0297686	3033.331034			40187.61	Kerosene	40187.61
All Industrial Buildings (Wood)	Scope 1	0	150.84	2.0049	4754.8185			477350.38		477350.38

Transportation and Mobile Sources

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Fuel Energy Equivalent (MMBtu)	Fuel Type	VMT
Kennebunk AVMT (Diesel)	Scope 1	11674.26716	0.03555190038	0.03396720765	11684.26392	157900.1668	Diesel	7737757.45
Kennebunk AVMT (Gasoline)	Scope 1	31103.81288	1.561273363	0.998727455	31412.19131	442821.9373	Gasoline	75463935.55
I-95 AVMT (Gasoline)	Scope 1	28485.58607	1.429849997	0.914657537	28768.00611	405546.4987	Gasoline	69111605.05
I-95 AVMT (Diesel)	Scope 1	10691.56193	0.03255924672	0.03110794874	10700.7172	144608.5985	Diesel	7086415.95

Solid Waste

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Waste Generated (wet tons)	Collection Emissions (MTCO2e)	Transportation Emissions (MTCO2e)	Fuel Type	Round-Trip miles traveled to disposal site
Trash and Recycling Collection and Transportation	Scope 3				1241.195552		62.284	1178.911552	Diesel	2704
Transfer Station Yard Waste	Scope 3		26.350002		737.800056	697.09				
Trash and Recycling Generation	Scope 3		42.0417		1177.1676	3114.2				

Water and Wastewater

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy (MMBtu)	Electricity Used
KLPD Sewer District Buildings (Electric)	Scope 2	227.3071334	0.03665219403	0.004886959204	229.6284391	3064.245734	897824

CMP Sewer District Buildings (Electric)	Scope 2	8.176812481	0.001318472118	0.0001757962824	8.260315715	110.2286689	32297
Sewer- Admiral's Way (Electric)	Scope 2	0.1678554254	0.00002706588891	0.000003608785187	0.1695695984	2.262798635	663
Sewer- Fairway Drive (Electric)	Scope 2	0.7668689044	0.000123653963	0.00001648719507	0.7747003221	10.33788396	3029
Sewer- Western Ave (Electric)	Scope 2	8.176812481	0.001318472118	0.0001757962824	8.260315715	110.2286689	32297
Sewer- Commons Lane (Electric)	Scope 2	1.183595949	0.0001908492166	0.00002544656222	1.195683066	15.9556314	4675
Sewer- Wells Road (Electric)	Scope 2	15.51308196	0.002501410674	0.0003335214232	15.67150463	209.1262799	61274
Sewer- Boothby Road (Electric)	Scope 2	10.99085932	0.001772223785	0.0002362965046	11.10310016	148.1638225	43412
Sewer- Governor's Way (Electric)	Scope 2	0.1524117136	0.00002457566383	0.000003276755178	0.1539681723	2.054607509	602
Sewer- Sycamore Lane (Electric)	Scope 2	0.5866078744	0.0000945877294	0.00001261169725	0.5925984306	7.907849829	2317
Sewer- Mousam Landing (Electric)	Scope 2	0.08759875897	0.0000141248832	0.00000188331776	0.08849333491	1.180887372	346
Sewer- Doanes Wharf (Electric)	Scope 2	2.342887039	0.0003777793906	0.00005037058541	2.366813067	31.58361775	9254
Sewer- Industrial Drive (Electric)	Scope 2	0.1724125863	0.00002780070942	0.000003706761256	0.1741732979	2.324232082	681
Sewer- River Bluff (Electric)	Scope 2	0.2871011349	0.00004629369234	0.000006172492312	0.2900330687	3.870307167	1134
Sewer- Rosewood (Electric)	Scope 2	0.4805272963	0.00007748274079	0.00001033103211	0.4854345366	6.4778157	1898
Sewer- Intervale (Electric)	Scope 2	0.6496485998	0.0001047527465	0.00001396703287	0.6562829404	8.757679181	2566
Sewer- Rivers Edge (Electric)	Scope 2	2.093762245	0.0003376092025	0.00004501456033	2.115144161	28.22525597	8270
Sewer- Brown Street (Electric)	Scope 2	3.089755071	0.000498208308	0.0000664277744	3.121308264	41.65187713	12204
Sewer- Waterford Greene (Electric)	Scope 2	0.23266838	0.00003751666954	0.000005002222605	0.2350444358	3.136518771	919
Sewer- Fieldcrest (Electric)	Scope 2	8.367200535	0.001349171286	0.0001798895048	8.45264805	112.7952218	33049
Sewer- Mere Land (Electric)	Scope 2	0.2764677595	0.00004457911114	0.000005943881485	0.2792911032	3.726962457	1092
Sewer- Cat Mousam (Electric)	Scope 2	6.251412013	0.001008010451	0.0001344013934	6.315252675	84.27303754	24692
Sewer- Coventry Woods (Electric)	Scope 2	0.297228159	0.00004792662681	0.000006390216908	0.3002635121	4.006825939	1174
Sewer- Berry Court (Electric)	Scope 2	0.2957091054	0.00004768168664	0.000006357558219	0.2987289456	3.986348123	1168
Sewer- Quail Run (Electric)	Scope 2	0.2898860665	0.00004674274932	0.000006232366576	0.2928464407	3.907849829	1145

Sewer- Portland Road (Electric)	Scope 2	0.7729451189	0.0001246337237	0.00001661782983	0.7808385881	10.41979522	3053
Sewer- Powdermill (Electric)	Scope 2	1.095490838	0.0001766426867	0.00002355235823	1.106678208	14.76791809	4327
Sewer- Clarkdale (Electric)	Scope 2	1.60969049	0.0002595549346	0.00003460732462	1.626128969	21.6996587	6358
Sewer- Summerfields (Electric)	Scope 2	1.613488124	0.0002601672851	0.00003468897134	1.629965385	21.75085324	6373
Water- 92 Main Street (Electric)	Scope 2	14.6201316	0.002357426677	0.0003143235569	14.76943529	197.0887372	57747
Water- Kimball Lane Treatment Facility (Electric)	Scope 2	1.630704065	0.0002629432737	0.00003505910316	1.647357139	21.98293515	6441
Water- Kimball Lane Well (Electric)	Scope 2	16.36527104	0.00263882211	0.000351842948	16.53239644	220.6143345	64640
Water- York Street Pump Station (Electric)	Scope 2	394.8526719	0.06366811514	0.008489082019	398.8849859	5322.866894	1559600
Water- New Building (Electric)	Scope 2	3.827002429	0.0006170859377	0.00008227812503	3.866084539	51.59044369	15116
Water- W Kenn Water Tower (Electric)	Scope 2	5.732148849	0.0009242817356	0.0001232375648	5.790686692	77.27303754	22641
Water- Cat Mousam Booster (Electric)	Scope 2	11.57291003	0.001866076693	0.0002488102258	11.69109489	156.0102389	45711
Water- Portland Road Pump Station (Electric)	Scope 2	5.61290314	0.0009050539322	0.0001206738576	5.670223222	75.66552901	22170
Water- York Street Tank (Electric)	Scope 2	5.418464276	0.0008737015903	0.0001164935454	5.47379871	73.0443686	21402
Water- W Kenn Booster (Electric)	Scope 2	2.384407838	0.0003844744219	0.00005126325625	2.408757885	32.14334471	9418
Water- Harrissectt Road (Electric)	Scope 3	1.895272571	0.0003056036868	0.00004074715824	1.914627471	25.54948805	7486
Water- South Street (Electric)	Scope 3	11.83849124	0.0019089004	0.0002545200533	11.95938827	159.5904437	46760
Water- Well Blueberry Building (Electric)	Scope 3	1.418542909	0.0002287332964	0.00003049777286	1.433029351	19.12286689	5603
Water- Arundel Booster (Electric)	Scope 3	2.612772233	0.0004212970943	0.0000561729459	2.639454382	35.221843	10320
Water- Burnt Mill Booster (Electric)	Scope 3	1.756785516	0.0002832733079	0.00003776977438	1.774726159	23.68259386	6939
Water- Biddeford Pool Tank (Electric)	Scope 3	2.049456514	0.0003304651142	0.00004406201522	2.070385971	27.62798635	8095
Water- Spencer Press Lane (Electric)	Scope 3	3.388249108	0.0005463390516	0.00007284520688	3.422850581	45.67576792	13383
Water- 9B Booster (Electric)	Scope 3	2.136295746	0.0003444675273	0.00004592900364	2.158112023	28.79863481	8438
Water- Granite Point Booster (Electric)	Scope 3	9.524213045	0.001535734049	0.0002047645399	9.621476202	128.3924915	37619
Water- Crow Hill Tank (Electric)	Scope 3	3.962894435	0.0006389978772	0.00008519971696	4.0033643	53.42235495	15652.75

Water- BP Interconn (Electric)	Scope 3	0.551669641	0.00008895410547	0.0000118605474	0.557303401	7.436860068	2179
Water- Moody Booster (Electric)	Scope 3	3.467239896	0.0005590759405	0.00007454345874	3.502648039	46.74061433	13695
Water- 95 By Pass Road (Electric)	Scope 3	33.84147663	0.005456777132	0.0007275702842	34.18707251	456.2047782	133668
Water- Forest Booster (Electric)	Scope 3	3.521419475	0.00056781214	0.00007570828533	3.557380911	47.47098976	13909
Water- York Interconn (Electric)	Scope 3	1.187646758	0.0001915023904	0.00002553365206	1.199775243	16.01023891	4691
Town-wide Fugitive Septic Emissions	Scope 1		12.21910272			342.1348762	
Sewer District Process N2O Emissions	Scope 1			0.0756	20.034		
Sewer District Process N2O From Effluent Discharge	Scope 1			0.1997300228	52.92845603		

Process and Fugitive Emissions

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Natural Gas Released (MT)	Natural Gas Used (MMBtu)	Nature Gas Energy Density	Leakage Rate	Natural Gas Density	Natural Gas % CH4	Natrual Gas % CO2
Natural Gas Fugitive Emissions	Scope 1	0.1861219946	17.38379429		486.9323622	18.61219946	280660.62	1028	0.3	0.8	93.4	1

Upstream Impacts of Activities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	T&D loss Energy Equivalent (MMBtu)	Electricity Use	Grid Loss Factor	Electricity Use Associated with Upstream Emissions (kWh)
Kennebunk T&D Losses (CMP)	Scope 3	169.5626889	0.02734117703	0.00364549027	171.2942968	2285.81364	14916334	0.0449	
Kennebunk T&D Losses (KLPD)	Scope 3	1126.413636	0.1816288408	0.02421717878	1137.916796	15184.77721	108515603	0.041	
Upstream Coal Emissions	Scope 3	17.23			17.23				
Upstream Natural Gas Emissions	Scope 3	3529.96			3529.96				
Upstream HGL Emissions	Scope 3	1728.05			1728.05				
Upstream Distillate Fuel Oil Emissions	Scope 3	4161.01			4161.01				
Upstream Gasoline Emissions	Scope 3	427.74			427.74				
Upstream Kerosene Emissions	Scope 3	155.37			155.37				
Upstream Residual Fuel Oil Emissions	Scope 3	161.03			161.03				
Upstream "Other" Petroleum Emissions	Scope 3	6211.56			6211.56				

Upstream Purchased KLPD Electricity Emissions	Scope 3				7466					108515603
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Consumption Based

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)
Consumption Based Emissions	Scope 3	92064			92064

Appendix F: 2018 Community Inventory Data

Residential Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Residential Buildings (Electric)	Scope 2	2759.916964	0.4332911958	0.0581244287	2787.452091	39758.69625	11649298			
KLPD Residential Buildings (Electric)	Scope 2	12220.87144	1.918606997	0.2573741094	12342.79657	176050.9181	51582919			
All Residential Buildings (HGL)	Scope 1	2921.569321	0.5223748352	0.05223748352	2950.038749			47536.11	Propane	47536.11
All Residential Buildings (Natural Gas)	Scope 1	674.7553186	0.06363215	0.001272643	676.8742692			12726.43	Natural Gas	12726.43
All Residential Buildings (Wood)	Scope 1	0	6.66462644	0.088580478	210.083367			21090.59	Wood	21090.59
All Residential Buildings (Distillate Fuel Oil)	Scope 1	10418.18089	1.531112717	0.1020741812	10488.1017			140862.37	Distillate Fuel Oil No. 2	140862.37

Commercial Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
CMP Commercial Buildings (Electric)	Scope 2	1143.300176	0.1794915958	0.0240781409	1154.706648	16470.1058	4825741			
KLPD Commercial Buildings (Electric)	Scope 2	8570.848465	1.345574243	0.1805038619	8656.358067	123469.57	36176584			
All Commercial Buildings (Natural Gas)	Scope 1	4839.675674	0.45640095	0.009128019	4854.873825			91280.19	Natural Gas	91280.19
All Commercial Buildings (Distillate Fuel Oil)	Scope 1	5932.770183	0.8719122826	0.05812748551	5972.58751			80215.93	Distillate Fuel Oil No. 2	80215.93
All Commercial Buildings (HGL)	Scope 1	3910.056314	0.6991157143	0.06991157143	3948.15812			63619.53	Propane	63619.53
All Commercial Buildings (Kerosene)	Scope 1	69.335904	0.01024466667	0.0006829777778	69.80374378			922.02	Kerosene	922.02
All Commercial Buildings (Gasoline)	Scope 1	1035.910017	0.16522632	0.01180188	1043.663852			14752.35	Gasoline	14752.35
All Commercial Buildings (Wood)	Scope 1	0	12.516	0.16635	394.53075			42413.02		42413.02
All Commercial Buildings (Residual Fuel Oil)	Scope 1	201.7294851	0.02963646429	0.001975764286	203.0828836			2766.07	Residual Fuel Oil No. 5	2766.07

Industrial Energy

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy Equivalent (MMBtu)	Electricity Used	Energy Equivalent (MMBtu)	Fuel Type	Fuel Use
KLPD Industrial Buildings (Electric)	Scope 2	5795.17723	0.9098097169	0.1220476449	5852.994528	83483.9215	24460789			

CMP Industrial Buildings (Electric)	Scope 2	29.97497825	0.004705900337	0.0006312793134	30.27403248	431.8122867	126521			
All Industrial Buildings (Natural Gas)	Scope 1	9322.274903	0.17582563	0.017582563	9331.857399			175825.63	Natural Gas	175825.63
All Industrial Buildings (HGL)	Scope 1	217.2107028	0.01165114286	0.003883714286	218.5661191			3534.18	Propane	3534.18
All Industrial Buildings ("Other" Petroleum)	Scope 1	2391.93528	0.09424488889	0.02356122222	2400.817861			31807.65	Kerosene	31807.65
All Industrial Buildings (Distillate Fuel Oil)	Scope 1	2548.535128	0.09987910145	0.02496977536	2557.948734			34458.29	Distillate Fuel Oil No. 2	34458.29
All Industrial Buildings (Gasoline)	Scope 1	744.511061	0.03392816	0.00848204	747.7087901			10602.55	Gasoline	10602.55
All Industrial Buildings (Residual Fuel Oil)	Scope 1	837.681273	0.03281742857	0.008204357143	840.7743156			11486.1	Residual Fuel Oil No. 5	11486.1
All Industrial Buildings (Wood)	Scope 1	0	139.04	1.848	4382.84			440005.85		440005.85
All Industrial Buildings (Coal)	Scope 1	422.508			422.508			4417.73		4417.73

Transportation and Mobile Sources

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Fossil Fuel Energy Equivalent (MMBtu)	Fuel Type	VMT
Kennebunk AVMT (Gasoline)	Scope 1	31172.69521	1.508158919	0.8912741978	31451.11132	443802.6083	Gasoline	75631057.56
Kennebunk AVMT (Diesel)	Scope 1	11700.12092	0.0356306334	0.03404243122	11710.13982	158249.8515	Diesel	7754893.44
I-95 AVMT (Gasoline)	Scope 1	28954.74277	1.400852678	0.8278596048	29213.34944	412225.8367	Gasoline	70249871
I-95 AVMT (Diesel)	Scope 1	10867.65163	0.0330954965	0.03162029568	10876.95768	146990.2976	Diesel	7203129

Solid Waste

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Waste Generated (wet tons)	Collection Emissions (MTCO2e)	Transportation Emissions (MTCO2e)	Fuel Type	Round-Trip miles traveled to disposal site
Trash and Recycling Collection and Transportation	Scope 3				1285.029181		64.4836	1220.545581	Diesel	2704
Transfer Station Yard Waste	Scope 3		36.745002		1028.860056	972.09				
Trash and Recycling Generation	Scope 3		43.52643		1218.74004	3224.18				

Water and Wastewater

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Energy (MMBtu)	Electricity Used
CMP Sewer District Buildings (Electric)	Scope 2	7.451514104	0.001169845143	0.0001569304461	7.525856336	107.3447099	31452

KLPD Sewer District Buildings (Electric)	Scope 2	222.2968704	0.03489933866	0.004681618601	224.5146808	3202.354949	938290
Sewer- Mousam Landing (Electric)	Scope 2	0.09903131424	0.00001554735056	0.000002085620198	0.1000193294	1.42662116	418
Sewer- Industrial Drive (Electric)	Scope 2	0.1776877648	0.00002789596393	0.000003742141503	0.1794605193	2.559726962	750
Sewer- Rosewood (Electric)	Scope 2	0.4842583883	0.00007602580036	0.00001019858298	0.4890897352	6.976109215	2044
Sewer- Mere Land (Electric)	Scope 2	0.2148837369	0.00003373551905	0.000004525496457	0.217027588	3.09556314	907
Sewer- Western Ave (Electric)	Scope 2	7.451514104	0.001169845143	0.0001569304461	7.525856336	107.3447099	31452
Sewer- Intervale (Electric)	Scope 2	0.6292516044	0.00009878890693	0.00001325217044	0.6355295189	9.064846416	2656
Sewer- Coventry Woods (Electric)	Scope 2	0.2752975769	0.00004322014678	0.000005797824568	0.2780441645	3.965870307	1162
Sewer- Boothby Road (Electric)	Scope 2	13.70944026	0.002152303798	0.0002887236803	13.84621654	197.4948805	57866
Sewer- Wells Road (Electric)	Scope 2	16.23284344	0.002548463681	0.0003418670791	16.3947952	233.8464164	68517
Sewer- Rivers Edge (Electric)	Scope 2	2.484311869	0.0003900227704	0.00005232012773	2.50909734	35.7883959	10486
Sewer- Doanes Wharf (Electric)	Scope 2	2.089845031	0.0003280937304	0.0000440125736	2.110694987	30.10580205	8821
Sewer- Berry Court (Electric)	Scope 2	0.2978046938	0.00004675363555	0.000006271829159	0.3007758303	4.290102389	1257
Sewer- Cat Mousam (Electric)	Scope 2	7.113907351	0.001116842812	0.0001498203772	7.18488135	102.4812287	30027
Sewer- Fairway Drive (Electric)	Scope 2	0.6384913681	0.0001002394971	0.0000134467618	0.6448614659	9.197952218	2695
Sewer- Brown Street (Electric)	Scope 2	2.793725496	0.0004385989422	0.00005883644347	2.821597924	40.24573379	11792
Sewer- Governor's Way (Electric)	Scope 2	0.1705802542	0.00002678012537	0.000003592455843	0.1722820985	2.457337884	720
Sewer- Waterford Greene (Electric)	Scope 2	0.3340529978	0.00005244441219	0.000007035226025	0.3373857762	4.812286689	1410
Sewer- Admiral's Way (Electric)	Scope 2	0.1715279223	0.00002692890385	0.000003612413931	0.1732392213	2.470989761	724
Sewer- Quail Run (Electric)	Scope 2	0.2923556023	0.00004589815932	0.000006157070153	0.2952723744	4.211604096	1234
Sewer- Commons Lane (Electric)	Scope 2	1.32436614	0.0002079179178	0.000027891428	1.33757907	19.07849829	5590
Sewer- River Bluff (Electric)	Scope 2	0.251842792	0.00003953787954	0.00000530386189	0.254355376	3.627986348	1063
Sewer- Fieldcrest (Electric)	Scope 2	8.993370068	0.001411907721	0.0001894022553	9.083095082	129.556314	37960
Sewer- Summerfields (Electric)	Scope 2	1.26632147	0.0001988052363	0.00002666899511	1.278955301	18.24232082	5345

Sewer- Sycamore Lane (Electric)	Scope 2	0.6121935789	0.00009611089439	0.00001289292486	0.6183013091	8.819112628	2584
Sewer- Portland Road (Electric)	Scope 2	0.853375105	0.0001339750161	0.00001797225826	0.8618890539	12.29351536	3602
Sewer- Clarkdale (Electric)	Scope 2	1.517690428	0.0002382687266	0.00003196287796	1.532832115	21.86348123	6406
Sewer- Powdermill (Electric)	Scope 2	1.314889459	0.0002064301331	0.00002769184712	1.328007843	18.94197952	5550
Water- 92 Main Street (Electric)	Scope 2	14.22876237	0.002233834402	0.0002996607125	14.37071982	204.9761092	60058
Water- Kimball Lane Well (Electric)	Scope 2	74.56252444	0.01170589036	0.001570302365	75.3064195	1074.129693	314720
Water- York Street Tank (Electric)	Scope 2	6.132597055	0.0009627827018	0.0001291537771	6.193780722	88.3447099	25885
Water- York Street Pump Station (Electric)	Scope 2	329.1251238	0.05167076412	0.006931443968	332.4087378	4741.296928	1389200
Water- Kimball Lane Treatment Facility (Electric)	Scope 2	1.839186824	0.000288741824	0.00003873365932	1.857536015	26.49488055	7763
Water- W Kenn Water Tower (Electric)	Scope 2	5.31499642	0.0008344240731	0.0001119349366	5.368023052	76.5665529	22434
Water- W Kenn Booster (Electric)	Scope 2	0.7837215012	0.0001230397982	0.00001650533879	0.7915405303	11.29010239	3308
Water- Portland Road Pump Station (Electric)	Scope 2	5.12664739	0.0008048543513	0.0001079682666	5.177794902	73.85324232	21639
Water- Cat Mousam Booster (Electric)	Scope 2	9.970178941	0.001565261133	0.0002099740545	10.06964938	143.6279863	42083
Water- New Building (Electric)	Scope 2	3.687139578	0.0005788598489	0.00007765193095	3.723925415	53.11604096	15563
Water- Crow Hill Tank (Electric)	Scope 3	4.470150328	0.0007017880632	0.00009414230117	4.514748104	64.39590444	18868
Water- Spencer Press Lane (Electric)	Scope 3	5.614933367	0.0008815124602	0.0001182516715	5.670952409	80.88737201	23700
Water- 9B Booster (Electric)	Scope 3	2.185796424	0.000343157551	0.00004603333001	2.207603668	31.48805461	9226
Water- Granite Point Booster (Electric)	Scope 3	10.8131297	0.001697599586	0.0002277267738	10.92101008	155.7713311	45641
Water- BP Interconn (Electric)	Scope 3	0.5394600539	0.00008469214649	0.0000113611416	0.5448421365	7.771331058	2277
Water- South Street (Electric)	Scope 3	11.92213827	0.001871707596	0.0002510827263	12.041083	171.7474403	50322
Water- Arundel Booster (Electric)	Scope 3	2.018533008	0.0003168981502	0.00004251072747	2.038671499	29.07849829	8520
Water- York Interconn (Electric)	Scope 3	1.211830556	0.000190250474	0.00002552140505	1.223920741	17.45733788	5115
Water- Biddeford Pool Tank (Electric)	Scope 3	2.327472802	0.0003653999329	0.00004901706417	2.350693522	33.52901024	9824
Water- Burnt Mill Booster (Electric)	Scope 3	1.699879616	0.0002668713883	0.00003579982038	1.716838968	24.48805461	7175

Water- Forest Booster (Electric)	Scope 3	3.287460566	0.0005161125273	0.00006923460732	3.320258887	47.35836177	13876
Water- Moody Booster (Electric)	Scope 3	3.155260869	0.0004953579302	0.00006645045405	3.186740261	45.45392491	13318
Water- Harrisceckett Road (Electric)	Scope 3	1.243340519	0.0001951973583	0.00002618501148	1.255745074	17.9112628	5248
Water- 95 By Pass Road (Electric)	Scope 3	26.17080167	0.004108666346	0.0005511625586	26.4319024	377.0102389	110464
Water- Well Blueberry Building (Electric)	Scope 3	1.265136885	0.0001986192632	0.0000266440475	1.277758897	18.22525597	5340
Town-wide Fugitive Septic Emissions	Scope 1		12.53586213			351.0041396	
Sewer District Process N2O Emissions	Scope 1				0.0756	20.034	
Sewer District Process N2O From Effluent Discharge	Scope 1				0.1997300228	52.92845603	

Process and Fugitive Emissions

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Natural Gas Released (MT)	Natural Gas Used (MMBtu)	Nature Gas Energy Density	Leakage Rate	Natural Gas Density	Natural Gas % CH4	Natrual Gas % CO2
Natural Gas Fugitive Emissions	Scope 1	0.185572662	17.33248663		485.4951984	18.5572662	279832.26	1028	0.3	0.8	93.4	1

Upstream Impacts of Activities

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)	Electricity Use Associated with Upstream Emissions (kWh)	T&D loss Energy Equivalent (MMBtu)	Electricity Use	Grid Loss Factor
Kennebunk T&D Losses (CMP)	Scope 3	193.2777705	0.03034350576	0.004070470284	195.2060633		2784.312814	16717288	0.0488
Kennebunk T&D Losses (KLPD)	Scope 3	1111.487978	0.1744972625	0.02340816936	1122.577066		16011.82697	114425983	0.041
Upstream Gasoline Emissions	Scope 3	389.48			389.48				
Upstream Residual Fuel Oil Emissions	Scope 3	232.95			232.95				
Upstream Coal Emissions	Scope 3	15.53			15.53				
Upstream Natural Gas Emissions	Scope 3	3519.55			3519.55				
Upstream Distillate Fuel Oil Emissions	Scope 3	4094.14			4094.14				
Upstream HGL Emissions	Scope 3	1752.59			1752.59				
Upstream Kerosene Emissions	Scope 3	142.51			142.51				
Upstream "Other" Petroleum Emissions	Scope 3	4916.32			4916.32				

Upstream Purchased KLPD Electricity Emissions	Scope 3				7873		114425983		
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Consumption Based

Inventory Record	Gpc Scope	CO2 (MT)	CH4 (MT)	N2O (MT)	CO2e (MT)
Consumption Based Emissions	Scope 3	92064			92064

