

**From:** Wayne Muirhead [<mailto:Wayne.Muirhead@tn.gov>]

**Sent:** Friday, October 06, 2017 12:50 PM

**To:** Meyer, Philip D <[Philip.Meyer@pnnl.gov](mailto:Philip.Meyer@pnnl.gov)>

**Subject:** Re: Request for Public Drinking Water Pumpage data for 2015 or 2016

Philip,

I went ahead and pulled the data so you can proceed with your project. See attached EXCEL spreadsheet. First sheet is 2016 pumpage data and second sheet is the Design Capacities. I have some spots of missing data (4 water systems) on the 2016 pumpage data (highlighted fields). I will attempt to gather this data from the water systems, but it may take a while to get this back from the water operators.

Pumpage data is in Million Gallons per Day (Average for month) and (Maximum Day in the month)

Design Capacity is in Million Gallons and gives both Average Daily Production and Maximum Daily Design Capacity.

Please let me know if you need anything else.

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PWS ID	MA NAME	SGN ID	FACILITY NAME	PL SEID	SOURCE	Year	JANVAV	JANMAX	FEBVAV	FEBMAX	MARAVEN	MARMAX	APR VAV	APR MAX	MAYVAV	MAYMAX	JUNVAV	JUNMAX	JULVAV	JULMAX	AUGVAV	AUGMAX	SEPVAV	SEPMAX	OCTVAV	OCTMAX	NOVAV	NOVMAX	DECVAV	DECMAX	
TN000012	CLINTON UTILITIES BOARD	IN01	CLINCH RIVER	A	CLINCH RIVER	2016	0	0	0	0	0	0	0	0	1,195	2,367	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TN000020	HALLSDALE POWELL U D	TP0001	MELTON HILL WTP	A	MELTON HILL LK	2016	6.8	7.5	6.8	7.2	6.6	7	6.7	7.1	6.7	7.1	7.3	8	7.6	8.4	7.6	8.7	7.2	8	7.1	7.6	7	7.4	6.8	7.5	
TN0000280	HALLSDALE POWELL U D	TP0005	NORRIS LAKE PLANT	E	NORRIS RES	2016	0.9	1	0.9	1.1	0.8	1.1	0.8	1.2	0.9	1.2	1	1.4	1	2.1	0.8	1.1	1	1.4	1.1	1.6	1	1.2	0.9	1.1	
TN0000287	HARRIMAN UTILITY BOARD	IN01	EMORY RIVER	A	EMORY RIVER	2016	1.689	1.971	1.635	2.179	1.406	1.605	1.449	1.671	1.563	1.968	1.692	1.982	1.552	1.801	1.728	2.443	1.748	2.054	1.55	1.769	1.707	2.239	1.838	2.463	
TN0000360	KINGSTON WATER SYSTEM	SP02	SWAN POND SPRING	B	SWAN POND SPRING	2016	0.456	0.492	0.461	0.505	0.454		0.451	0.485	0.443	0.487	0.444	0.485	0.444	0.522	0.437	0.476	0.397	0.501	0.349	0.398	0.32	0.372	0.431	0.401	
TN0000360	KINGSTON WATER SYSTEM	SP03	TR RIVER/WATTS BAR LAKE	A	TR RIVER/WATTS BAR	2016	0.698	0.1332	0.052	0.913	0	0	0	0.6	0.84	0.575	0.786	0.618	0.591	0.645	0.10017	0.64	0.583	0.698	1.016	0.682	0.858	0.701	0.952	0.562	0.778
TN0000366	KNOXVILLE URB1 WHITAKER PLANT	CC02	MARK B WHITAKER PLANT	A	TR RIVER	2016	31.37	33.96	31.06	32.97	0.51	0.832	31.51	34.72	31.97	36.53	35.17	38.39	35.78	39.20	36.4	40.07	37.91	41.81	37.07	41.19	37.95	39.07	32.46	35.41	
TN0000367	KNOX-CHAPMAN UTILITY DISTRICT	CC02	KNOXVILLE - CONNECTION	02	KNOXVILLE -	2016	0	0	0	0	0.4062	0.373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TN0000367	KNOX-CHAPMAN UTILITY DISTRICT	CC03	TUCKALEECH - CONNECTION	03	TUCKALEECH	2016	0	0	0	0	0	0	0	0.3956	0.4204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TN0000367	KNOX-CHAPMAN UTILITY DISTRICT	TP0001	CLEARWELL PLANT	A	CLEARWELL/FRENCH BROAD	2016	4.1559	4.479	4.2789	4.491	0	0	0	0	0	0.0101	0.4246	0.4857	4.75	4.6079	5.732	0.6745	4.899	4.8162	4.966	4.7874	4.952	4.5664	4.776	4.3156	4.559
TN0000369	MONTEREY WATER DEPT	TP0001	CLEARWELL PLANT	A	MONTEREY CITY LAKE/CLEARWELL	2016	1.2687	1.7262	1.264	1.8323	9.11	10.5	0	0	0	0	16.204	19.72	1.3836	1.9002	0	0	0	0	0	0	0	0	0	0	0
TN0000369	FIRST UTIL DIST OF KNOX CON	TP0001	FILTER PLANT	A	FPRT LOUDON LAKE/FILTER PLANT	2016	9.09	10.61	9.545	10.66	0	0	0	11.043	14.05	12.904	16.71	0	0	15.323	19.79	15.162	18.13	17.082	19.66	18.207	21.34	13.985	18.16	19.45	12
TN0000371	WEST KNOX UTILITY DISTRICT	TP0001	MELTON HILL/OLD PLANT/WILLIAMS BEND	B	MELTON HILL/OLD	2016	1.8123	2.13	1.8434	2.38	1.9042	2.08	1.748	2.05	2.0096	5	5.149	6.581	2.2077	2.78	2.3238	3.04	2.281	2.73	3.881	7	2.104	4.78	1.902	2.28	
TN0000371	WEST KNOX UTILITY DISTRICT	TP0002	MELTON HILL/NEW PLANT/DAUGHTERY	A	MELTON HILL/NEW	2016	3.9556	6.767	3.753	5.147	3.6184	4.761	4.2808	6.081	4.8782	6.727	2.4567	4.91	5.3358	6.571	5.0918	7.09	5.09	6.636	4.53	6.349	4.24	6.373	3.6652	5.857	
TN0000396	LENOIR CITY UTILITY BOARD	DS01	DISTRIBUTION SYSTEM	03	1ST UD KNOX CO	2016	0.4944	0.4944	1.218	1.218	0.3108	0.3108	0.467	0.467	0.3705	0.3705	0.4434	0.4443	0.456	0.456	0.4252	0.4252	0.526	0.526	1.3048	1.314	1.1375	1.1375	0.3529	0.3529	
TN0000396	LENOIR CITY UTILITY BOARD	TP0001	NELSON ST. PLANT	A	TR NIVER	2016	2.085	2.746	1.952	3.368	1.969	3.275	1.95	2.369	2.11	2.956	2.237	2.82	2.386	2.014	2.397	4.212	4.246	2.943	1.754	2.314	2.167	2.411	1.999	2.639	
TN0000396	LENOIR CITY UTILITY BOARD	TP0002	ALLEN FINE SPRING/MUDDY CK ROAD PLANT	B	ALLEN FINE SPRING	2016	0.91	0.998	0.679	0.887	0.874	1.004	0.889	0.929	0.981	0.951	0.904	0.998	0.919	0.994	0.892	0.978	0.837	0.895	0.611	0.886	0.687	0.771	0.888	0.919	
TN0000409	LOUDON UTILITIES BOARD	IN01	TENNESSEE RIVER	A	TENNESSEE RIVER	2016	9.82	10.667	0.9994	0.885	9.979	10.01	9.405	10.673	10.921	12.962	12.019	13.32	12.438	13.633	12.378	13.862	12.9	14.124	12.47	13.473	11.48	13.095	10.448	11.554	
TN0000409	LOUDON UTILITIES BOARD	SP02	PINEY SPRING	B	PINEY SPRING	2016	0.226	0.453	0.199	0.27	0.268	0.306	0.2	0.3	0.245	0.293	0.215	0.337	0.2	0.307	0	0	0	0	0	0	0	0	0	0	
TN0000409	LOUDON UTILITIES BOARD	SP03	ROBERSON SPRING	C	ROBERSON SPRING	2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TN0000514	ANDERSON COUNTY WATER AUTHORITY	CC03	ANDERSON CO U B - CONNECTION	03	CLINTON U.D.	2016	0	0	0	0	0.001	0.001	0	0	0	0	0.0012	0.0012	0	0	0.0012	0.0012	0.001	0.001	0	0	0.0006	0.0006	0.0005	0.0005	
TN0000514	ANDERSON COUNTY WATER AUTHORITY	CC04	OLIVER SPRINGS	04	NORRIS WAT COMM	2016	0.0025	0.0025	0.0024	0.0024	0.0028	0.0028	0.0005	0.0005	0.0013	0.0013	0.0004	0.0004	0.0037	0.0037	0.0033	0.0033	0.0034	0.0034	0.0034	0.0035	0.0035	0.0031	0.0031	0.0022	0.0022
TN0000514	ANDERSON COUNTY WATER AUTHORITY	CC05	NORRIS WATER COMMISSION	05	OLIV. SPRG WAT	2016	0.008	0.008	0.0089	0.0089	0.0086	0.0086	0.0096	0.0096	0.0094	0.0094	0.008	0.008	0.0103	0.0103	0.0101	0.0101	0.0088	0.0088	0.0083	0.0083	0.0089	0.0089	0.0083	0.0083	
TN0000514	ANDERSON COUNTY WATER AUTHORITY	DS01	DISTRIBUTION SYSTEM - CARVILLIE-CLACK	06	CARVILLIE-JACKSBORO U.C.	2016	0.0008	0.0008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0008	0.0008	0	0	0	0
TN0000514	ANDERSON COUNTY WATER AUTHORITY	TP0001	JACK BRANCH RD WATER PLANT	A	ENTRY A/WTP2 - CLINCH RIVER	2016	1.218	1.89	1.193	1.675	1.027	1.247	0.984	1.501	1.265	1.611	1.388	1.928	1.342	1.863	1.258	1.888	1.353	1.901	1.296	1.856	1.328	1.742	1.427	1.909	
TN0000514	ANDERSON COUNTY WATER AUTHORITY	TP0002	OAK RIDGE HWY - FILTER PLANT	B	ENTRY POINT B - CLINCH RIVER	2016	2.357	3.096	2.172	3.031	2.051	2.485	2.13	2.474	1.821	2.534	1.881	2.286	1.924	2.976	0.0012	0.0012	1.978	2.66	1.877	2.552	1.813	2.211	1.533	2.046	
TN0000515	NORTHEAST KNOX U D	IN01	HOLSTON RIVER	B	HOLSTON RIVER	2016	1.928	2.462	1.809	2.26	1.9	2.613	1.951	2.796	1.939	2.428	2.11	2.792	2.188	2.792	2.136	2.545	2.25	2.472	2.279	2.714	2.148	2.447	2.005	2.377	
TN0000522	OAK RIDGE DEPT OF PUBLIC WORKS	TP0001	CLINCH RIVER PLANT	A	CLINCH RIVER/MELTON HILL LAKE	2016	6.835	9.453	7.011	13.776	5.824	7.744	5	7.712	4.942	7.13	7.088	9.325	7.844	11.812	8.063	9.64	8.474	11.119	6.872	9.202	7.145	8.754	5.801	8.335	
TN0000523	OLIVER SPRINGS WATER BOARD	CC02	ANDERSON CO W A - CONNECTION	02	ANDERSON CO U B	2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8136	0.8136	2.389	2.389	0	0	1.248	1.248	0.858	0.858	
TN0000523	OLIVER SPRINGS WATER BOARD	SP01	BACON SPRING	A	BACON SPRING	2016	0.921	1.03	0	0	0.946	1.005	0.954	1.012	0.944	1.017	0.953	1.016	0.939	1.008	0.96	1.013	0.94	1.023	0	0	0.888	0.922	0.927	0.999	
TN0000531	CUMBERLAND UTILITY DISTRICT	TP0001	LITTLE EMORY RIVER PLANT	A	LITTLE EMORY RI	2016	1.211	1.709	1.208	1.68	1.172	1.448	1.094	1.332	1.063	1.547	1.212	1.769	1.293	1.795	1.226	1.716	1.157	1.431	1.441	2.108	1.663	2.109	1.491	2.613	
TN0000590	ROCKWOOD WATER SYSTEM	IN01	WATTS BAR LAKE	A	WATTS BAR LAKE	2016	0.149	0	0	0	2.404	2.677	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

VFMAST_1.PWS	MA_NAME	L_TYP	PL_POPL	PL_PSR	PL_AVPR	PL_DECA
TN0000120	CLINTON UTILITIES BOARD	C	18288	SW	1843000	4492800
TN0000280	HALLSDALE-POWELL UTILITY DISTR	C	72822	SW	7100000	18400000
TN0000287	HARRIMAN UTILITY BOARD	C	15139	SW	1314000	3170000
TN0000360	KINGSTON WATER SYSTEM	C	9907	SW	980000	2000000
TN0000366	KNOXVILLE UTILITIES BOARD-KUB	C	236326	SW	33839000	62500000
TN0000367	KNOX-CHAPMAN UTILITY DISTRICT	C	33130	SW	3982000	8000000
TN0000369	FIRST UTIL DIST OF KNOX COUNTY	C	86593	SW	10507000	34629000
TN0000371	WEST KNOX UTILITY DISTRICT	C	62812	SW	5800000	12764000
TN0000396	LENOIR CITY UTILITY BOARD	C	23329	SW	2724000	3006720
TN0000409	LOUDON UTILITIES BOARD	C	12735	SW	11120000	14300000
TN0000514	ANDERSON COUNTY WATER AUTHORIT	C	25404	SW	3000000	5644800
TN0000515	NORTHEAST KNOX U D	C	23041	SW	2155000	6912000
TN0000522	OAK RIDGE DEPT OF PUBLIC WORKS	C	36842	SW	7630000	15000000
TN0000523	OLIVER SPRINGS WATER BOARD	C	5116	GU	931000	864000
TN0000531	CUMBERLAND UTILITY DISTRICT	C	10856	SW	1257000	2500000
TN0000590	ROCKWOOD WATER SYSTEM	C	11594	SW	2505000	5000000
TN0000768	ANDERSON COUNTY UTILITY BOARD	C	10446	SW	1309000	1872000