

Northern Kentucky Water District
2018 5-Year Capital Budget
(2018-2022)

Pg. No.	PSC Ref No.	Water Quality Projects	Budget Year					Total Project Cost	Funding Source
			2017	2018	2019	2020	2021		
1	185	FTTP Laboratory Generator	\$237,000					\$237,000	BAN 2011
2	132	MPTP Reservoir Dam/ Raw Water Pipe Replacement	\$545,910					\$545,910	BAN 2017
3	186	MPTP Reservoir Dam/Raw Water Pipe Replacement - SRF Loan 2014 \$500,000	\$454,090					\$454,090	SRF Loan 2014
4	242	TMTP Sludge Conveyors & Press	\$1,075,000					\$1,075,000	BAN 2017
5	166	ORPS2 Rehabilitation	\$2,000,000					\$2,000,000	BAN 2017
6	202	FTTP Residuals Handling Improvements - Presses, Conveyors, Polymer	\$3,000,000					\$3,000,000	BAN 2017
		Upgrade SCADA/Instrumentation/Security Equipment	\$700,000					\$700,000	BAN 2017
		Upgrade SCADA/Instrumentation/Security Equipment -SRF Loan 2016	\$2,300,000					\$2,300,000	SRF Loan 2016
7	238	Annual General Facility R&R - Plants, Tanks, Pump Stations 2017	\$1,038,000					\$1,038,000	BAN 2017
8	240	Plant Metering Upgrades			\$300,000			\$300,000	BAN 2019
9	176	LRPS Generator & Walkbridge Upgrade				\$4,100,000		\$4,100,000	BAN 2020
10	158	Dudley 1040 Pump Replacement (2 constant speed & 2 VFD)			\$750,000			\$750,000	BAN 2019
11	211	TM Pump Station Backup Generator		\$4,800,000				\$4,800,000	BAN 2018
12	227	New Tank in Taylor Mill			\$1,500,000			\$1,500,000	BAN 2019
13	229	New Tank and PS in Southern Campbell County (Burns Road Area)				\$800,000		\$800,000	BAN 2020
14	239	Annual General Facility R&R - Plants, Tanks, Pump Stations 2018		\$1,061,000				\$1,061,000	BAN 2020
15	243	FTTP Sedimentation Basin & Filter Valve Improvements		\$4,650,000				\$4,650,000	BAN 2018
16	256	FTTP Residuals Handling Improvements - Lamella				\$3,500,000		\$3,500,000	BAN 2020
17	244	Annual General Facility R&R - Plants, Tanks, Pump Stations 2019			\$1,100,000			\$1,100,000	BAN 2019
18	245	MPTP Residuals Handling					\$4,600,000	\$4,600,000	BAN 2021
19	255	Annual General Facility R&R - Plants, Tanks, Pump Stations 2020				\$1,110,000		\$1,110,000	BAN 2020
20	250	Replace Ida Spence Tank				\$2,300,000		\$2,300,000	BAN 2020
21	257	TMTP Chemical Building Improvements					\$1,380,000	\$1,380,000	BAN 2021
22	258	Annual General Facility R&R - Plants, Tanks, Pump Stations 2021					\$1,138,000	\$1,138,000	BAN 2021
23	263	Annual General Facility R&R - Plants, Tanks, Pump Stations 2022						\$1,163,000	BAN 2022
Sub-Total Water Quality			\$11,350,000	\$10,511,000	\$3,650,000	\$11,810,000	\$7,118,000	\$1,163,000	\$34,252,000
Needed Funding for each Year			\$8,358,910	\$10,511,000	\$3,650,000	\$11,810,000	\$7,118,000	\$1,163,000	\$34,252,000
Funded Project through Loans not in Rate Case			\$2,754,090						
Funded Projects (in Rate Cases)			\$237,000						

Pg. No.	PSC Ref No.	Distribution/Central Facility Projects	Budget Year					Total Project Cost	Funding Source
			2017	2018	2019	2020	2021		
24	150	Mains into Unserved Areas 2012 - Sub-District M - Kenton County, RD Loan	\$1,143,455					\$1,143,455	RD Loan
		Mains into Unserved Areas 2012 - Sub-M - K.C. RD Loan - Non-Rate Case	\$589,545					\$589,545	RD Loan
		Mains into Unserved Areas 2009 - Sub-District M	\$250,000					\$250,000	BAN 2009
		Mains into Unserved Areas 2012 - Sub-M - K.C. RD Grant	\$600,000					\$600,000	RD Grant
		Mains into Unserved Areas 2012 - Sub-M - K.C. CDBG Grant	\$1,000,000					\$1,000,000	CDBG Grant
25	178	Madison Pike from Dudley Pike to Rolling Hills Drive (Phase 2)	\$1,675,000					\$1,675,000	BAN 2017
26	262	Central Facility Back-Up Generator (new project)	\$400,000					\$400,000	BAN 2011
27	114	Interconnect 1080/1017 12" (Pond Creek - KY 177)					\$1,200,000	\$1,200,000	BAN 2021
28	249	KY 9 - 12" Water Main Upgrade with KDOT Project - New project		\$450,000				\$450,000	BAN 2018
29	116	Year 2009 WMR \$3.1M - 12" Campbell County Water Main Rehabilitation	\$480,000					\$480,000	BAN 2009
30	217	Year 2016 Coordinated Roadway Imp./Water Main Replacement	\$2,500,000					\$2,500,000	BAN 2017
31	225	New KY 16 interconnect project between upgraded KDOT 16"		\$950,000				\$950,000	BAN 2018
32	233	2016 Water Main Replacement Program	\$2,820,000					\$2,820,000	BAN 2017
		2016 Water Main Replacement Program - SRF Loan 2015 & 2016	\$2,900,000					\$2,900,000	SRF Loan 15 & 16
33	100	Stonehouse Road (old Twelve Mile Rd.) KY 10 to KY 1566			\$1,120,000			\$1,120,000	BAN 2019
34	121	Independence Road, Ky. 17 to Existing 12"			\$119,000			\$119,000	BAN 2019
35	220	Horsebranch Road 24" from 36" to Thomas More Parkway			\$800,000			\$800,000	BAN 2019
36	222	2017 Water Main Replacement Program	\$5,000,000					\$5,000,000	BAN 2017
37	259	SR 17 from Hands Pike to Apple Drive					\$7,500,000	\$7,500,000	BAN 2021
38	251	Southern Kenton County Improvements (new)		\$1,000,000				\$1,000,000	BAN 2018
39	51	Vineyard (Gunkel Rd) (Upper Nine Mile to Fender Rd)			\$786,000			\$786,000	BAN 2019
40	122	Burns Road, Persimmon Grove to Flatwoods			\$1,554,000			\$1,554,000	BAN 2019
41	144	Hands Pike from Ky 16 to Edwin Drive			\$350,000			\$350,000	BAN 2019
42	235	2018 Water Main Replacement Program		\$5,000,000				\$5,000,000	BAN 2017
43	236	Mains into Unserved Areas 2018		\$250,000				\$250,000	BAN 2018
44	246	2019 Water Main Replacement Program			\$6,700,000			\$6,700,000	BAN 2019
45	247	Mains into Unserved Areas 2019			\$2,250,000			\$2,250,000	BAN 2019

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			2017	2018	2019	2020	2021		
46	180	US 27 24" Sunset to Martha Layne Collins					\$1,300,000	\$1,300,000	BAN 2021
47	252	Mains into Unserved Areas 2020				\$250,000		\$250,000	BAN 2020
48	253	2020 Water Main Replacement Program				\$6,950,000		\$6,950,000	BAN 2020
49	260	Mains into Unserved Areas 2021					\$2,250,000	\$2,250,000	BAN 2021
50	261	2021 Water Main Replacement Program					\$6,950,000	\$6,950,000	BAN 2021
51	264	Mains into Unserved Areas 2022					\$250,000	\$250,000	BAN 2022
52	265	2022 Water Main Replacement Program					\$7,500,000	\$7,500,000	BAN 2022
53	266	20" MPTP Discharge Water Main Replacement					\$16,000,000	\$16,000,000	BAN 2022
54	267	Automated Meter Systems				\$11,000,000		\$11,000,000	BAN 2020
Sub-total Distribution			\$19,358,000	\$7,650,000	\$13,679,000	\$18,200,000	\$19,200,000	\$23,750,000	\$82,479,000
Needed Funding for each Year			\$11,995,000	\$7,650,000	\$13,679,000	\$18,200,000	\$19,200,000	\$23,750,000	\$82,479,000
Funded Project through Loans not in Rate Case			\$4,633,000						
Funded Projects (in Rate Cases)			\$2,730,000						
Total for Year 2016 - 2020 Capital Budget			\$30,708,000	\$18,161,000	\$17,329,000	\$30,010,000	\$26,318,000	\$24,913,000	\$116,731,000
Total Needed Funding for each Year (not in a Rate Case)			\$20,353,910	\$18,161,000	\$17,329,000	\$30,010,000	\$26,318,000	\$24,913,000	\$116,731,000
RD Loan + Latonia Lakes \$1.5 mil			\$2,643,455						
SRF Loans 2013 (\$8M), 2014 (\$4 M), 2015 (\$4), 2016 (\$4 M)			\$20,000,000						
Funded Projects (in Rate Cases)			\$2,967,000						
BAN 2017 (2016 & 2017 projects & 2018 WMR)			\$25,353,910						
BAN 2018 - 2019 (2018, 2019 projects)			\$30,490,000						
BAN 2020 - 2021 (2020, 2021 projects)			\$56,328,000						
Needed for 2018 Rate Case (SRF B, RD Loan, BAN 2017)			\$27,997,365						
Needed for 2020 Rate Case (SRF 2013, 2014, 2015, 2016, BAN 2018 - 2019)			\$50,490,000						
Needed for 2022 Rate Case (BAN 2020 - 2021)			\$56,328,000						