

Northern Kentucky Water District
2022 5-Year Capital Budget
(2022-2026)

| Pg. No. | PSC Ref No. | Water Quality Projects | | | | | | Total Project Cost | Funding Source |
|---|-------------|---|---------------------|---------------------|--------------------|--------------------|---------------------|---------------------|----------------|
| | | | 2022 | 2023 | 2024 | 2025 | 2026 | | |
| 1 | 132 | MPTP Reservoir Dam/ Raw Water Pipe Replacement | | \$1,000,000 | | | | \$1,000,000 | BAN 2023 |
| 2 | 166 | FTTP Residuals Handling Improvements - Presses, Conveyors, Polymer | \$2,725,000 | | | | | \$2,725,000 | BAN 2021 |
| 3 | 202 | Upgrade SCADA/Instrumentation/Security Equipment | \$750,000 | | | | | \$750,000 | BAN 2021 |
| | | Upgrade SCADA/Instrumentation/Security Equipment - SRF Loan 2016 | \$2,250,000 | | | | | \$2,250,000 | SRF Loan 2016 |
| 4 | 238 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2017 | | | | | | | |
| | | TMTP - PAC & UV Replacement, Diversion Valve Upgrades | \$605,000 | | | | | \$605,000 | BAN 2022 |
| 5 | 240 | Plant Metering Upgrades | \$300,000 | | | | | \$300,000 | BAN 2021 |
| 6 | 176 | LRPS Generator & Walkbridge Upgrade | | \$4,100,000 | | | | \$4,100,000 | BAN 2023 |
| 7 | 158 | Dudley 1040 Pump Replacement (2 constant speed & 2 VFD) | \$750,000 | | | | | \$750,000 | BAN 2022 |
| 8 | 211 | TM Pump Station Backup Generator | \$985,000 | | | | | \$985,000 | BAN 2021 |
| | | TM Pump Station Backup Generator | \$1,550,000 | | | | | \$1,550,000 | BAN 2022 |
| | | TM Pump Station Backup Generator | \$1,000,000 | | | | | \$1,000,000 | KIA Grant 2022 |
| | | TM Pump Station Backup Generator - SRF Loan 2020 | \$3,065,000 | | | | | \$3,065,000 | SRF Loan 2020 |
| 9 | 227 | New Tank in Taylor Mill | \$1,500,000 | | | | | \$1,500,000 | BAN 2022 |
| 10 | 229 | New Tank and PS in Southern Campbell County (Burns Road Area) | | \$800,000.00 | | | | \$800,000 | BAN 2023 |
| 11 | 239 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2018 | \$1,061,000.00 | | | | | \$1,061,000 | BAN 2022 |
| 12 | 243 | FTTP Sedimentation Basins and Chemical Improvements | \$1,065,000.00 | | | | | \$1,065,000 | BAN 2021 |
| | | FTTP Sedimentation Basins and Chemical Improvements - SRF Loan 2020 | \$4,935,000.00 | | | | | \$4,935,000 | SRF Loan 2020 |
| 13 | 256 | FTTP Residuals Handling Improvements - Lamella | | \$3,500,000 | | | | \$3,500,000 | BAN 2023 |
| 14 | 244 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2019 | \$1,100,000.00 | | | | | \$1,100,000 | BAN 2022 |
| 15 | 245 | MPTP Residuals Handling Improvements | | \$4,600,000 | | | | \$4,600,000 | BAN 2023 |
| 16 | 255 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2020 | \$510,000.00 | | | | | \$510,000 | BAN 2022 |
| 17 | 257 | TMTP Chemical Building Improvements | | \$1,380,000 | | | | \$1,380,000 | BAN 2023 |
| 18 | 258 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2021 | \$1,138,000 | | | | | \$1,138,000 | BAN 2022 |
| 19 | 263 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2022 | \$1,163,000 | | | | | \$1,163,000 | BAN 2022 |
| 20 | 268 | TMPS - Redundant 876 Pump Station | | | | \$4,000,000 | | \$4,000,000 | BAN 2025 |
| 21 | 269 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2023 | | \$1,190,000 | | | | \$1,190,000 | BAN 2023 |
| 22 | 272 | Dudley 1080 Pump Station Improvements | | | \$3,600,000 | | | \$3,600,000 | BAN 2024 |
| 23 | 273 | FTTP Chemical Feed Systems Upgrades | | | | \$2,295,000 | | \$2,295,000 | BAN 2025 |
| 24 | 274 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2024 | | | \$1,218,000 | | | \$1,218,000 | BAN 2024 |
| 25 | 277 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2025 | | | | \$1,246,000 | | \$1,246,000 | BAN 2025 |
| 26 | 281 | Expand MPTP to 20 MGD | | | | | \$7,400,000 | \$7,400,000 | BAN 2026 |
| 27 | 282 | Waterworks Road Pump Station Improvements | | | | | \$1,500,000 | \$1,500,000 | BAN 2026 |
| 28 | 283 | TMTP Pump Station Improvements | | | | | \$3,100,000 | \$3,100,000 | BAN 2026 |
| 29 | 284 | Annual General Facility R&R - Plants, Tanks, Pump Stations 2026 | | | | | \$1,277,000 | \$1,277,000 | BAN 2026 |
| Sub-Total Water Quality | | | \$26,452,000 | \$16,570,000 | \$4,818,000 | \$7,541,000 | \$13,277,000 | \$68,658,000 | |
| Needed Funding for each Year | | | \$15,202,000 | \$16,570,000 | \$4,818,000 | \$7,541,000 | \$13,277,000 | \$57,408,000 | |
| Funded Project through Loans | | | \$10,250,000 | | | | | | |
| Funded Project through Grants | | | \$1,000,000 | | | | | | |
| Funded Projects (in previous Rate Cases) | | | \$0 | | | | | | |

| Pg. No. | PSC Ref No. | Distribution\Central Facility Projects\Meters | | | | | | Total Project Cost | Funding Source |
|---------|-------------|--|-------------|-------------|-------------|------|------|--------------------|----------------|
| | | | 2022 | 2023 | 2024 | 2025 | 2026 | | |
| 30 | 114 | Interconnect 1080/1017 12" (Pond Creek - KY 177) | | \$1,200,000 | | | | \$1,200,000 | BAN 2023 |
| 31 | 225 | New KY 16 interconnect project between upgraded KDOT 16" | | \$950,000 | | | | \$950,000 | BAN 2023 |
| 32 | 100 | Stonehouse Road (old Twelve Mile Rd.) KY 10 to KY 1566 | | \$1,120,000 | | | | \$1,120,000 | BAN 2023 |
| 33 | 121 | Independence Road, Ky. 17 to Existing 12" | | \$119,000 | | | | \$119,000 | BAN 2023 |
| 34 | 220 | Horsebranch Road 24" from 36" to Thomas More Parkway | | \$800,000 | | | | \$800,000 | BAN 2023 |
| 35 | 259 | SR 17 from Hands Pike to Apple Drive | | | \$8,000,000 | | | \$8,000,000 | BAN 2024 |
| 36 | 251 | Southern Kenton County Improvements (new) | \$1,000,000 | | | | | \$1,000,000 | BAN 2022 |
| 37 | 51 | Vineyard (Gunkel Rd) (Upper Nine Mile to Fender Rd) | | \$786,000 | | | | \$786,000 | BAN 2023 |
| 38 | 122 | Burns Road, Persimmon Grove to Flatwoods | | \$1,554,000 | | | | \$1,554,000 | BAN 2023 |
| 39 | 144 | Hands Pike from Ky 16 to Edwin Drive | | \$608,000 | | | | \$608,000 | BAN 2023 |
| 40 | 246 | 2019 Water Main Replacement Program | \$6,700,000 | | | | | \$6,700,000 | BAN 2021 |
| | | 2019 Water Main Replacement Program - SRF Loan 2016 | \$1,000,000 | | | | | \$1,000,000 | SRF Loan 2016 |
| 41 | 180 | US 27 24" Sunset to Martha Layne Collins | | | \$1,300,000 | | | \$1,300,000 | BAN 2024 |
| 42 | 253 | 2020 Water Main Replacement Program | \$500,000 | | | | | \$500,000 | BAN 2021 |

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|--|-------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------|
| | | | 2022 | 2023 | 2024 | 2025 | 2026 | | |
| 43 | 261 | 2021 Water Main Replacement Program | \$2,000,000 | | | | | \$2,000,000 | BAN 2022 |
| 44 | 264 | Mains into Unserved Areas 2022 | \$250,000 | | | | | \$250,000 | BAN 2022 |
| 45 | 265 | 2022 Water Main Replacement Program | \$5,000,000 | | | | | \$5,000,000 | BAN 2022 |
| 46 | 266 | 20" MPTP Discharge Water Main Replacement | | | \$8,000,000 | \$8,000,000 | | \$16,000,000 | BAN 2024/2025 |
| 47 | 267 | Automated Meter System | \$11,000,000 | | | | | \$11,000,000 | BAN 2021 |
| 48 | 270 | 2023 Water Main Replacement Program | | \$8,000,000 | | | | \$8,000,000 | BAN 2023 |
| 49 | 271 | Mains into Unserved Areas 2023 | | \$2,250,000 | | | | \$2,250,000 | BAN 2023 |
| 50 | 275 | 2024 Water Main Replacement Program | | | \$9,000,000 | | | \$9,000,000 | BAN 2024 |
| 51 | 276 | Mains into Unserved Areas 2024 | | | \$250,000 | | | \$250,000 | BAN 2024 |
| 52 | 278 | Replace Richardson Road Pump Station | | | \$2,000,000 | | | \$2,000,000 | BAN 2024 |
| 53 | 279 | 2025 Water Main Replacement Program | | | | \$9,000,000 | | \$9,000,000 | BAN 2025 |
| 54 | 280 | Mains into Unserved Areas 2025 | | | | \$2,250,000 | | \$2,250,000 | BAN 2025 |
| 55 | | Newport Water Main Replacement | \$2,750,000 | | | | | \$2,750,000 | BAN 2022 |
| | | Newport Water Main Replacement | | \$2,750,000 | | | | \$2,750,000 | BAN 2023 |
| | 285 | Newport Water Main Replacement - Cleaner Water Grant | \$1,000,000 | | | | | \$1,000,000 | KIA Grant 2022 |
| 56 | 286 | 2026 Water Main Replacement Program | | | | | \$9,250,000 | \$9,250,000 | BAN 2026 |
| 57 | 287 | Mains into Unserved Areas 2026 | | | | | \$250,000 | \$250,000 | BAN 2026 |
| Sub-total Distribution | | | \$31,200,000 | \$20,137,000 | \$28,550,000 | \$19,250,000 | \$9,500,000 | \$108,637,000 | |
| Needed Funding for each Year | | | \$29,200,000 | \$20,137,000 | \$28,550,000 | \$19,250,000 | \$9,500,000 | \$106,637,000 | |
| Funded Project through Loans | | | \$1,000,000 | | | | | | |
| Funded Project through Grants | | | \$1,000,000 | | | | | | |
| Funded Projects (in previous Rate Cases) | | | | | | | | | |
| Total for Year 2022 - 2026 Capital Budget | | | \$57,652,000 | \$36,707,000 | \$33,368,000 | \$26,791,000 | \$22,777,000 | \$177,295,000 | |
| Total Needed Funding for each Year (not in a Rate Case) | | | \$44,402,000 | \$36,707,000 | \$33,368,000 | \$26,791,000 | \$22,777,000 | \$164,045,000 | |
| Funded Projects (in previous Rate Cases) | | | | | | | | | |
| Funded Project through Grants | | | \$2,000,000 | | | | | | |
| Funded Project through Loans | | | \$11,250,000 | | | | | | |
| BAN 2021 | | | \$24,025,000 | | | | | | |
| BAN 2022 | | | \$20,377,000 | | | | | | |