

By Department Monthly Capital Projects Update

2/2/2024

Project Name	Ballot Issue	Project Status		Total Appro- priated	Funding Still Needed to Complete Project	Total Project Cost	Total Spent to Date	Year Design Begins	Year Construc- tion Begins	Ward
Electric		1-2 Year Projects								
161/69kV Autotransformer Replacement - E0219	Electric	Proposed	10/30/23 - Project proposed to replace aging 161/69 kV auto-transformers at Bolstad, Grindstone, and Perche Creek Substations.	\$0	\$2,500,000	\$2,500,000	\$0	2026	2026	
Bolstad Feeder Reconfiguration	Electric	Proposed		\$0	\$900,000	\$900,000	\$0	2025	2025	
Bolstad Feeders (Blue Ridge Sub BD214 & BD224	Electric	Proposed		\$0	\$3,325,000	\$3,325,000	\$0	2025	2025	
Broadway & Fairview Intersection PC233	Electric	Proposed		\$0	\$1,575,000	\$1,575,000	\$0	2025	2025	
Brushwood Lake Road Loop Closure PC231 - E0185	Electric	Proposed	10/30/23 - Funding appropriation to be included in the FY25 CIP.	\$0	\$4,825,000	\$4,825,000	\$0	2024	2025	5, Outside City
I-70 Route B and east	Electric	Proposed		\$0	\$250,000	\$250,000	\$0	2025	2025	
Perche T1 Transformer & Switchgear Rpl	Electric	Proposed		\$0	\$2,100,000	\$2,100,000	\$0	2025	2025	
Westbury Subdivision & Hulen Substation PC232	Electric	Proposed		\$0	\$925,000	\$925,000	\$0	2025	2025	
Electric		3-5 Year Projects								
Bolstad TT1 (161/69kV Autotransformer Rpl)	Electric	Proposed		\$0	\$2,500,000	\$2,500,000	\$0	2028	2028	
Business Loop 70 - Phase 5 Undergrounding - E0140	Electric	Proposed	Future project	\$100,000	\$5,000,000	\$5,100,000	\$0	2028	2028	1, 3
Grindstone-Perche 161 kV Overhead - E0223	Electric	Proposed	1/23/23 - Proposed	\$0	\$30,500,000	\$30,500,000	\$0	2023	2027	
New Hinkson Substation - E0222	Electric	Proposed	1/23/23 - Proposed	\$0	\$8,500,000	\$8,500,000	\$0	2024	2028	
Warehouse & Enclosed Equipment Parking - E0176	Electric	Proposed	Future project	\$400,000	\$0	\$400,000	\$210,410	2024	2028	Citywide
Electric		5-10 Year Projects								
Business Loop 70 - Phase 6 Undergrounding - E0141	Electric	Proposed	Future project	\$0	\$3,100,000	\$3,100,000	\$0	2028	2030	1, 3

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Electric	Annual Projects										
13.8 kV Overhead System Replacement - E0118	Electric	2015 Elec	On-Going	8/21/20: Moving budgeted funds to O&M budget for FY 2021 On-going project to replace poles and conductors of existing overhead electric distribution system as needed.	\$9,808,000	\$0	\$9,808,000	\$9,807,113	0	0	Citywide
13.8 kV System - New Commercial Services- E0117	Electric		On-Going	On-going project to address commercial development.	\$16,606,442	\$5,600,000	\$22,206,442	\$14,196,594	0	0	Citywide
13.8 kV System - New Residential Services - E0116	Electric		On-Going	This is an on-going project to install electric lines in new residential developments.	\$11,635,000	\$3,500,000	\$15,135,000	\$10,177,175	0	0	Citywide
13.8 kV System Automation - E0200	Electric		On-Going	7/7/21 - Pilot automated capacitor banks have been installed and are being evaluated.	\$846,637	\$0	\$846,637	\$332,805	0	0	Citywide
13.8 kV Underground System Replacement - E0107	Electric	2015 Elec	On-Going	4-13-2020: moved budgeted funds to O&M budget for FY 2021 On-going project for maint. of existing underground electric distribution system.	\$3,088,269	\$750,000	\$3,838,269	\$3,086,750	0	0	Citywide
161 & 69 kV Transformer Replacement - E0192	Electric	2015 Elec	On-Going	On-going project to replace station class transformers at various substations.	\$1,471,000	\$4,000,000	\$5,471,000	\$471,000	0	0	Citywide
161&69 kV Transmission System Replacement - E0101	Electric	2015 Elec	On-Going	8/21/20 Moving budgeted funds to O&M budget for FY 2021 On-going project to replace the electric transmission system.	\$3,670,000	\$100,000	\$3,770,000	\$3,655,888	0	0	Citywide
Contingency Funds from Bonds - E0009	Electric	2015 Elec	On-Going	Funding For Additional Projects That Develop During Bond Period	\$0	\$900,000	\$900,000	\$0	0	0	Citywide
Conversion of Overhead to Underground - E0027	Electric		On-Going	On-going project to convert existing overhead system to underground.	\$12,819,432	\$14,000,000	\$26,819,432	\$11,750,715	0	0	Citywide

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Fiber Optic System Additions - E0082	Electric		On-Going	On-going project to expand and improve the fiber optic system.		\$3,599,643	\$100,000	\$3,699,643	\$3,276,582	0	0	Citywide
MPP: elimination of obsolete equipment- E0208	Electric		On-Going	1-19-24: Funding for this work will be moved to the O&M budget for FY 2025 as this is maintenance.		\$1,800,000	\$0	\$1,800,000	\$1,269,767	0	0	Citywide
New & Replace Transformers & Capacitors - E0021	Electric	2015 Elec	On-Going	1-19-24: Moving future funding to project E1105 (transformer inventory) On-going project to purchase system transformers and capacitors.		\$23,091,657	\$0	\$23,091,657	\$21,689,069	0	0	Citywide
New 13.8 kV Substation Feeder Additions - E0115	Electric		On-Going	On-going project to plan extend major electrical feeders from substations.		\$12,147,294	\$11,200,000	\$23,347,294	\$8,326,941	0	0	Citywide
Protective Relay Upgrade - E0145	Electric		On-Going	On-going project to upgrade protective relays on electric transmission and distribution circuits.		\$1,163,815	\$200,000	\$1,363,815	\$1,048,199	0	0	Citywide
Relocation of 13.8 kV System for Streets - E0199	Electric		On-Going	Ongoing project to relocate electric facilities in conflict with future street improvements.		\$2,150,000	\$3,500,000	\$5,650,000	\$1,272,602	0	0	Citywide
Replace 69 & 161 kV Circuit Breakers - E0153	Electric	2015 Elec	On-Going	On-going project to replace old circuit breakers on 69kV and 161kV lines.		\$1,969,000	\$2,000,000	\$3,969,000	\$912,379	0	0	Citywide
Secondary Electric System for New Services - E0053	Electric		On-Going	On-going project to install new electric services.		\$23,092,333	\$5,250,000	\$28,342,333	\$20,310,467	0	0	Citywide
Street Light Additions and Replacements - E0052	Electric		On-Going	On-going project to replace existing street lights and install new street lights.		\$5,956,651	\$700,000	\$6,656,651	\$5,381,750	0	0	Citywide
Transformers (Plant Held for Future Use) E1105	Electric		On-Going	1-19-24: This is a new project that was formally E0021. This project has been set up to purchase transformers and keep them in inventory until they are removed and in service.		\$4,000,000	\$36,000,000	\$40,000,000	\$0	0	0	Citywide

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Electric	Current Year Projects										
Bolstad T1 & T2 Switchgear & Transf Rpl - E0218	Electric		Final Design	10/30/23 - Ordinance to construct approved on 10/2/23.	\$1,200,000	\$0	\$1,200,000	\$0	2023	2023	3
Boone-Stephens Solar Interconnection - E0221	Electric		Proposed	10/30/23 - Project is presently being pursued by private Generator Owner.	\$0	\$500,000	\$500,000	\$0	2023	2023	3
College Undergrounding- Univ to Bouchelle - E0179	Electric		Ready to Close	8/02/23 - Ready to close	\$332,373	\$0	\$332,373	\$0	2016	2021	1, 6
Contingency Funds from Enterprise Revenue - E0003	Electric		Proposed		\$261,364	\$0	\$261,364	\$0	0	0	Citywide
Downtown Streetlights - E0180	Electric		Construction	10/30/23 - Control software is installed and functional. Additional dimable controllers still need to be installed.	\$702,000	\$0	\$702,000	\$619,469	2014	2021	1
Extend Hinkson Creek Substation Feeders - E0193	Electric	2015 Elec	Ready to Close	10/30/23 - Future project	\$0	\$0	\$0	\$0	2022	2024	5
Hinkson Creek Transformer and Switchgear E0214	Electric		Ready to Close	08/02/2023 - Ready to close.	\$1,150,000	\$0	\$1,150,000	\$1,014,912	2020	2021	5
Landfill Gas Generator #4 - E0175	Electric	2015 Elec	Final Design	10/30/23 - Project plans have been submitted to BSD for permit review.	\$2,000,000	\$0	\$2,000,000	\$930,977	2018	2023	Citywide
Mill Creek Sub Transmisn Connect to 2 Subs-E0148	Electric	2015 Elec	Preliminary Design	08-02-2023 Project on indefinite hold.	\$7,910,165	\$0	\$7,910,165	\$2,676,791	2011	2024	Citywide
Millcreek & Vawter School Relocation - E0213	Electric		Ready to Close	8-02-2023 Ready to close.	\$120,000	\$0	\$120,000	\$0	2020	2020	5
More's Lake Restoration - E0204	Electric		Construction	10/30/23 - Additional work to be completed to finalize the project.	\$6,300,000	\$250,000	\$6,550,000	\$6,095,876	2016	2017	Citywide
New South Side 161/13.8 Kv Substation - E0121	Electric	2015 Elec	Preliminary Design	08-02-2023 Project on indefinite hold.	\$4,667,529	\$0	\$4,667,529	\$3,661,051	2014	2024	5 or 6
Nifong & Bethel Relocation - E0212	Electric		Ready to Close	8-02-2023 Project ready to close.	\$230,000	\$0	\$230,000	\$3,093	2020	2020	5
Perche Creek 161 kV Bus Reconfiguration - E0217	Electric		Final Design	10/30/23 - Ordinance to construct approved on 10/2/23.	\$1,200,000	\$0	\$1,200,000	\$0	2023	2023	4

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Perche Substation Transformer & Switchgear - E0184	Electric		Bid	10/30/23 - Materials contracts put out for bid. there are 3 separate contracts requested. One each for the transformer, switchgear, and remaining substation packaging including steel structures, bus work, and circuit breakers.	\$2,100,000	\$0	\$2,100,000	\$5,113	2022	2023	4
Power Plant Substation Upgrades - E0151	Electric	2015 Elec	Preliminary Design	10/30/23 - Various configurations under evaluation.	\$1,500,000	\$0	\$1,500,000	\$255,749	2016	2024	Citywide
Reconfiguration of Substation Feeders-E0201	Electric	2015 Elec	Preliminary Design	10/30/23 - Final Integrated Resource Plan and Master Plan has been submitted and is currently under review. Funding for future substation feeders to be appropriated in FY25 CIP.	\$2,850,000	\$0	\$2,850,000	\$214,826	2016	2024	5
Replace 13.8 kV Switchgear at Substations - E0189	Electric	2015 Elec	Ready to Close	10/30/23 - Project budget moved to O&M in FY21.	\$400,000	\$1,600,000	\$2,000,000	\$0	0	0	Citywide
Replace Measurement & Data Acquisition Sys - E0159	Electric		Ready to Close	8-02-2023 Project complete. Ready to close.	\$93,355	\$0	\$93,355	\$93,355	2014	2016	Citywide
Sewer Connection to Municipal Power Plant - E0211	Electric		Ready to Close	08-02-2023 - Project is complete.	\$250,000	\$0	\$250,000	\$237,905	2020	2021	Citywide
Substation Upgrades-Grnstn & Perche - E0194	Electric	2015 Elec	Preliminary Design	08-02-2023 Project on indefinite hold.	\$310,189	\$0	\$310,189	\$134,162	2015	2024	4, 6
Truman Solar Feeders - E0205	Electric		Ready to Close	8-02-2023 Ready to close.	\$1,450,000	\$0	\$1,450,000	\$1,016,200	2018	2021	Citywide
UG Distribution Lines in Trans Corridor - E0198	Electric	2015 Elec	Proposed	08-02-2023 Project on indefinite hold.	\$4,432	\$0	\$4,432	\$4,432	2016	2024	4, 5, 6
UMC 69kV Tie Line - E0220	Electric		Proposed	10/30/23 - Meeting with the University's engineering consultant on-going.	\$30,000	\$0	\$30,000	\$0	2023	2023	6
Upgrade of Energy Management System - E0216	Electric		Ready to Close	12/28/2023 - final acceptance completed and ready to close	\$1,250,000	\$0	\$1,250,000	\$1,148,479	2021	2022	Citywide