

Potential Revenue Bond Projects, FY22-FY25

Assume revenue bond spending can occur from December 2021 (following vote and resolution authorizing spending pre-issuance) thru March 2025 (3 years from bond issuance)

| Project | Plant | FY22 | FY23 | FY24 | FY25 |
|---|----------------|-----------|-------------|-------------|-------------|
| Direct Current Fast Charger (Level 3) | Other-Demand I | \$85,497 | \$87,634 | \$89,825 | \$92,071 |
| Packetized Energy | Other-Demand I | \$52,343 | \$69,125 | \$103,750 | \$155,625 |
| Public Level 2 EV Charges | Other-Demand I | \$33,133 | \$33,962 | \$34,811 | \$35,681 |
| P&P R&D | Other-Demand I | \$20,783 | \$21,302 | \$21,835 | \$22,381 |
| IT Forward - CIS Replacement | IT | \$932,816 | \$1,231,488 | | |
| IT Forward - FIS Replacement | IT | | \$473,152 | \$1,043,308 | |
| Replace SGRs with Pole Mount Routers | IT | 135,058 | 106,916 | | |
| Upgrade Smart Grid Collection Engine to Riva platform | IT | | | | \$50,000 |
| Grid Services Control Room | General Plant | | \$426,400 | \$150,000 | |
| WinOne Unit 3 Bearing Replacement | Generation | | \$124,730 | | |
| WinOne Large Inflatable Dam | Generation | | | | \$1,100,000 |
| GT Rosemount Transmitters | Generation | \$15,899 | | | |
| GT Biodiesel Conversion | Generation | | \$325,000 | | |
| McNeil Elevator Geared Equipment & Controls (50%) | Generation | \$24,994 | | | |
| McNeil ESP Mechanical Field Rebuild | Generation | \$225,228 | \$220,000 | | \$220,000 |
| McNeil GSU Transformer (50%) | Generation | \$11,483 | | | |
| McNeil West Boiler Grate Overhaul | Generation | | \$200,000 | | |
| McNeil Relay Switch Gear Upgrade | Generation | | | \$375,000 | |
| Electric Bucket Truck | General Plant | | \$148,500 | | |
| Scarff Ave Rebuild (electrical work only, spring 2022) | Distribution | \$98,445 | | | |
| SCADA Networking Upgrade | Distribution | \$296,134 | | | |
| Rebuild Appletree Point Aerial Circuit (Pole P3412 to Pole P3434) from 4.16 KV to 13.8 KV | Distribution | \$261,469 | | | |
| Replace Switch (756,757,758,730-Battery/Pearl St) | Distribution | \$205,334 | | | |
| Replace Switch (303, 307,308,309-Main/S Prospect) | Distribution | \$137,355 | | | |
| Replace Recloser 252R | Distribution | \$48,033 | | | |
| Upgrade manual switch #227S at Pole P1980 (Park Street & Manhattan Drive) to SCADA operated switch | Distribution | \$47,140 | | | |
| Upgrade 2L5 Circuit (1000 mcm CU & Conduits from UH#248-330S) (NZE #3) | Distribution | | \$997,872 | | |
| Replace the electrical system at Lyman Avenue | Distribution | | \$807,828 | | |
| Rebuild the aerial circuit at Starr Farm Rd and Sunset Cliff (Pole P3706-P3723) from 4.16 KV to 13.8 KV | Distribution | | \$438,297 | | |
| Upgrade 2L5 Circuit from 350 Cu to 1000 cu (119S to College Sub) | Distribution | | \$293,080 | | |
| Upgrade 2L5 Circuit from 350 Cu to 1000 cu (215S to 744S) | Distribution | | \$227,212 | | |
| Field Device Network Upgrades | Distribution | | \$202,833 | | |
| Buell St - Convert to 3-Phase from P1348 to P1322 | Distribution | | \$98,384 | | |
| Replace Switch # 910S/911S (Votey) 10/1995 | Distribution | | \$52,815 | | |
| Replace Switch # 322S/323S/324S (Main Street & University Height) | Distribution | | \$134,475 | | |
| Rebuild Edgemoor Dr Phase 3 | Distribution | | \$85,880 | | |
| Replace Switch # 724S/725S (Milot - College Street) 10/1996 | Distribution | | \$67,791 | | |
| Upgrade the manual switches #407S at Pole P2001 (Park Street & Pearl Street) to SCADA operated switches | Distribution | | \$49,821 | | |
| SCADA Network Switches Replacements | Distribution | | \$22,660 | \$46,680 | |
| Replace SCADA video wall | Distribution | | | \$280,000 | |
| SCADA upgrade (rough estimate) | Distribution | | | \$1,200,000 | \$300,000 |
| Rebuild the secondary wires on Shelburne Road from pole P323 (Prospect Parkway) to P338 (Alfred Street) | Distribution | | | \$18,065 | |
| Install (9) conduit duct bank from UH#173 to UH#175 on Cherry Street | Distribution | | | \$295,261 | |
| Install new cables on St. Paul Street from Bank Street to Cherry Street | Distribution | | | \$67,893 | |
| Replace UG direct buried services on Summit Ridge | Distribution | | | \$161,553 | |
| Replace the underground system at Deforest Road | Distribution | | | \$350,000 | |
| Replace Switch # 305S/325S/326S (Main Street Reservoir) | Distribution | | | \$145,139 | |
| Replace Switch # 817S/912S/913S (Main Street Reservoir) | Distribution | | | \$124,715 | |
| Replace Switch #709S/710S (Battery Street between College Street & Main Street) 11/96 | Distribution | | | | \$45,898 |

| | | | | | |
|--|--------------|---------------------|--------------------|--------------------|--------------------|
| Extend 1L2 to North Avenue & transfer load from 1L4 to 1L2 (NZE #1 by 2024) | Distribution | \$1,429,402 | \$1,551,833 | | |
| 2L5 Replace Cable P2349 to 913S | Distribution | \$615,155 | | | |
| Convert Ethan Allen Pkwy northern area (fed underground from pole P2977) to 3-phase and balance the loads. Extend new phase (Phase C) from riser pole P4193 to HH#41. This phase picks up load connected west of HH#41. Load on James Ave, Hope St, and Faith St remain on existing cable, now connected to Phase A at riser pole P4193. Extend new cable from P4193 to HH#44 (Phase B). All load fed out of HH#44 is moved to this new cable and Phase B. The existing cable is transferred to Phase A at riser pole P4193. | Distribution | \$499,735 | | | |
| 2L5 Replace Cable 913S to UH#248 | Distribution | \$492,960 | | | |
| Heineberg Rd upgrade to 556AL from P3097 to P4193 | Distribution | \$191,856 | | | |
| Ethan Allen Pkwy P2942 to P2959 convert to 2-Phase (BA). Load past P2959 move to Phase B. Other loads remain on what is now Phase A (moved from Phase C at P2942) | Distribution | \$82,065 | | | |
| Replace Submersible Switch 711S/748S/749S (Bank and St Paul Streets) | Distribution | | \$43,135 | | |
| Replace underground cables along Battery Street (1978) | Distribution | | \$435,043 | | |
| Replace Switch # 716S/728S/729S (Lake Street) 9/97 | Distribution | | \$52,123 | | |
| Replace Sub#7 328S/602S/704S/740S switch | Distribution | | \$236,093 | | |
| Replace underground system along Pine Street from College Street to St. Paul Street 1983 | Distribution | | \$289,336 | | |
| Replace direct buried underground cables along Oakledge Drive | Distribution | | \$48,933 | | |
| Replace UG at Harbor Watch (1984) | Distribution | | \$31,244 | | |
| Replace livefront transformer #2355 (Pearl Street - Courthouse) | Distribution | | \$55,207 | | |
| Phase Load Balancing Steps | Distribution | | \$31,648 | | |
| Replace overloaded transformers | Distribution | | \$187,570 | | |
| Replace Secondaries/Services | Distribution | | \$150,858 | | |
| Upgrade existing/add new capacitors | Distribution | | \$71,702 | | |
| Extend 2L1 Circuit to pick up load off 1L1 Circuit (NZE #2) | Distribution | | | | |
| Transfer load between 1L1 to 1L4 | Distribution | | | | |
| Install 4-Way Padmount or Submersible Switch (1002S, 1003S, 1004S, 1005S) at Starr Farm Rd & North Ave | Distribution | | | | |
| 1L2 extended to Starr Farm Rd 4-way switch (3800' – 556 OH, 190' 1000CU UG) and then to Barley Rd (700' 1000CU UG). Load at Barley Rd shifted to 1L2. | Distribution | | | | |
| 1L1 and 1L4 tapped into Starr Farm Rd 4-way switch. 1L1 extended to all Northgate Apartment feeds and load transferred to 1L1 (2290' – 556 OH). Xfmr#5000, Xfmr#5052, Xfmr#5059, and Xfmr#5165,5014,5164 moved to 1L1 circuit. | Distribution | | | | |
| Project Totals | | \$2,631,144 | \$6,947,157 | \$7,819,006 | \$5,206,381 |
| Revenue Bond Funding Totals (FY25 @ 50%) | | \$20,000,498 | \$2,631,144 | \$6,947,157 | \$7,819,006 |
| | | | \$7,819,006 | | \$2,603,190 |