

Transmission Follow Up Question

1. Please provide more project detail on the Transmission capital program.

The capital program project detail is below and can be found on page 48 of the [Detailed Publication](#).

API Title	Work Order Nbr	Program	Project Total Spend	FY19	FY20	FY21	FY22	FY23	FY24	FY25
INSTALL SERIES CAPACITOR - DESIGN/CONSTRUCTION	434481	EXPAND - CUSTOMER-DRIVEN	\$16,500,000.00							
[TC] L0389 UEC MORROW FLAT PHASE II (DESIGN/CONSTRUCTION)	440283	EXPAND - CUSTOMER-DRIVEN	\$16,000,000.00							
[CF] L0389 MORROW FLAT PHASE II (DES/CON)	450830	EXPAND - CUSTOMER-DRIVEN	\$7,500,000.00							
2.5" RECOND (11 MILES OF 87 MIFULL LINE PH 1) (STEEL)	421572	STEEL LINES	\$9,014,040.00							
BANDON-ALVEY FIBER REPLACEMENT	433996	SYS TELECOM - SUSTAIN	\$18,500,000.00							
[CF] N0398 MIDWAY-ASHE: DOER CPTL PORTION (AUO)	458403	EXPAND - CUSTOMER-DRIVEN	\$8,968,868.00							
REBUILD LATTICE WITH ENGR STEEL POLE	409667	STEEL LINES	\$14,000,000.00							
HOLCOMB-NASELLE 115 KV LINE UPGRADE-1: (OXBOW-NASELLE) DESIGN/CONSTRUCT	377837	WOOD POLE LINES	\$8,200,000.00							
REPLACE SVC	350983	SUB DC	\$8,088,000.00							
HOTSPRINGS-GARRISON FIBER UPGRADE	347781	SYS TELECOM - SUSTAIN	\$13,000,000.00							
REBUILD 57.8 MILES (WOOD)	347405	WOOD POLE LINES	\$11,383,054.00							
REBUILD 57.8 MILES (WOOD)	347405	WOOD POLE LINES	\$8,315,764.00							
OLYMPIA-PORT ANGELES FIBER REPLACEMENT (WITH SHELTON-FAIRMOUNT LINE REBUILD)	458465	SYS TELECOM - SUSTAIN	\$15,628,868.00							

FY 2019 - 2025 Transmission capital projects greater than \$7 million not in work Order as of 3/18

API ID	API Title	Program	Start Date	In Service Date	Project Total Spend	FY19	FY20	FY21	FY22	FY23	FY24	FY25
35012	SCHULTZ-WAUTOMA 500KV SERIES CAPACITORS	EXPAND	10/1/2018	6/1/2022	\$35,000,000							
35730	GRID MODERNIZATION	EXPAND	10/1/2018	10/1/2022	\$39,279,000							
35777	GRAND COULEE 230KV YARD MODERNIZATION	EXPAND	10/1/2018	10/1/2029	\$50,000,000							
8849	OMET PHASE 4 - MULTIPLE SITES	SYS TELECOM - EXPAND	12/1/2018	12/31/2019	\$7,865,000							
35181	2.5" RECOND (11 MILES OF 87 MIFULL LINE PH2) (STEEL)	STEEL LINES	2/1/2019	12/1/2020	\$9,014,040							
34992	SOUTHTRI-CITIES REINFORCEMENT	EXPAND	4/1/2019	3/31/2023	\$25,000,000							
30759	NEW MIDWAY-ASHE 230KV DOUBLE CIRCUIT LINE CONSTRUCTION	EXPAND - CUSTOMER-DRIVEN	5/1/2019	10/31/2021	\$38,788,439							
31032	LONGVIEW SUB 230/115 KV TRANSFORMER BANK ADDITION	EXPAND	7/1/2019	6/30/2023	\$8,000,000							
733	REPLACE 500 KV CONCRETE SWITCH SUPPORT	SUB AC	10/1/2019	9/1/2024	\$11,491,000							
35180	2.5" RECOND (11 MILES OF 87 MIFULL LINE PH3) (STEEL)	STEEL LINES	2/1/2020	12/1/2021	\$9,014,040							
283	NEW 500 KV CROSS-CASCADE LINE	EXPAND	10/1/2020	9/30/2024	\$124,000,000							
32467	INSULATOR REPL (174 MIFULL LINE) (STEEL)	STEEL LINES	10/1/2020	9/1/2028	\$13,000,000							
35179	2.5" RECOND (11 MILES OF 87 MIFULL LINE PH4) (STEEL)	STEEL LINES	2/1/2021	12/1/2022	\$9,014,040							
201	UPGRADE MURRAY-SEDRO-CUSTER 230KV LINE	EXPAND	10/1/2021	9/30/2025	\$17,391,000							
35178	2.5" RECOND (11 MILES OF 87 MIFULL LINE PH5) (STEEL)	STEEL LINES	2/1/2022	12/1/2023	\$9,014,040							
34102	NOXON-TAFT FIBER REPLACEMENT	SYS TELECOM - SUSTAIN	10/1/2022	9/1/2025	\$8,700,000							
35177	2.5" RECOND (11 MILES OF 87 MIFULL LINE PH6) (STEEL)	STEEL LINES	2/1/2023	12/1/2024	\$9,014,040							
33183	ROSS-MALIN FIBER OPTIC CABLE REPLACEMENT	SYS TELECOM - SUSTAIN	10/1/2023	9/30/2029	\$88,000,000							
32624	2.5" EXP RECONDUCTOR (18.8 MI OSTD-6/4, 7/4-PERL) (STEEL)	STEEL LINES	10/1/2024	9/1/2028	\$9,000,000							
33164	KEELER-TLLAMOOK FIBER OPTIC CABLE REPLACEMENT	SYS TELECOM - SUSTAIN	10/1/2025	9/30/2028	\$12,000,000							

The second chart shows that the programmatic makeup of this work is similar to that already in flight but adds the expand control center work (for grid modernization) as well as a sustain substation alternate current 500-kV foundations replacement project.

This information was made publicly available on June 28, 2018, and contains information sourced directly and not directly from BPA financial statements.



Provided below are the proposed dollars for the FY20 and FY21 capital sustain budget, totaling roughly \$200 million per year. This is a starting point and will likely change as different priorities adjust during the fiscal year.

Sustain

Program	Request (million)
Steel Lines	44.0
Wood Lines	77.5
Access Roads	36.7
Land Assets	10.6
Substations Alternating Current	83.4
Substations Direct Current	22.1
System Telecommunications	32.0
Power System Communications	40.7
System Protection & Control	40.7
Control Centers	12.7
Total	400.4

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