Transmission Plant in Service Detail

Item	BU	Name/Description of CAPEX Project/Item	Energy Gateway Segment or Other Transmission	Investment Reason Description	Estimated In-service Date	Percent Complete on May 15, 2017	Plant Place In-Service (PPIS) Actual PPIS Jan-2018	Feb-2018	Mar-2018	Forecasted PPIS Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018	Total PPIS 2018	Estimated CIAC Amount (see note 1)	One-line diagrams identified for projects over $5 million
1	PP	Murder Creek Relocated West Kraft mtrg	Other Transmission	Regulatory and Mandated	Jun 29, 2018	85%	-	-	-	-	-	1,510,457		-	-	-	-	-	1,510,457		
2	PP	MOD-033	Other Transmission	Regulatory and Mandated	Sep 01, 2018	60%	-	51,033	7,975	-	-	-	-		2,849,353	1,128			2,909,489		
3	PP	BPA Canby-Serve SVEC Austin Tap from BPA	Other Transmission	Regulatory and Mandated	Oct 15, 2018	60%	-	-	-	-	-	-				1,546,818			1,546,818		
4	PP	CIPS Low substations 2018	Other Transmission	Regulatory and Mandated	Nov 01, 2018	30%	-	-	-	-	-	-	-	-	-	-	551,591	6,829	558,420		
5	PP	Lassen Sub-New 69x115 kV sub to replace Mt Shasta Sub(Net 12.5 MVA)	Other Transmission	System Reinforcements	Sep 01, 2018	0%	159	374	157	-	-	-	-	-	-	-	-	-	691		
6	PP	Alderwood to OI Transmission Tap Line	Other Transmission	System Reinforcements	May 31, 2018	95%	208,282	73,561	(711,011)	-	2,274,142	-	-	-	-	-	-	-	1,844,973		
7	PP	Lincoln/Harrison 115kV Joint PGE Mod. Ph 3 Linc - Harrison Rly	Other Transmission	System Reinforcements	May 15, 2018	95%	-	-	-	-	1,089,749	3,161	-	-	-	-	-	-	1,092,910	(117,632)	
8	PP	NE Portland Transmission upgrade - Trans Lines	Other Transmission	System Reinforcements	Nov 30, 2017	100%	(197)	1,261	127,027	-	-	-	-	-	-	-	-	-	128,091		
9	PP	Yreka Sub 115-69 kV Tx addition - Purchase xfmr for spare	Other Transmission	System Reinforcements	Mar 15, 2018	30%	-	37,963	-	-	-	-	-	-	-	-	-	-	37,963		
10	PP	Lewis & Clark Sub -Add 115 kV CB	Other Transmission	Modernize and Upgrades	Aug 15, 2018	25%	-	-	-	-	-	-	-	4,370,250	-	-	-	-	4,370,250		
11	PP	OR -TransmissionSCADA / CB Additions	Other Transmission	Modernize and Upgrades	Dec 31, 2018	0%	-	-	-	-	-	-	.	-	-	-	-	1,017,933	1,017,933		
12	PP	Facebook - Vitesse	Other Transmission	New Connects	Dec 31, 2018	5%	-	-	-	-	-	-	-	-	-	-	-	17,511,000	17,511,000	(37,582,497)	See note 2
13	PP	PP - Transmission System Reinforcements - Investment Programs	Other Transmission	System Reinforcements	Various	N/A	-	(2,228)	1,028	-	-	-	-	-	-	-	-	-	(1,200)		
14	PP	PP - Transmission Replacements - Investment Programs	Other Transmission	Rebuild and Replacements	Various	N/A	(11,526)	89,393	305,172	1,029,276	1,340,477	1,339,364	1,287,243	1,531,520	1,556,183	1,836,777	1,040,888	1,485,052	12,829,820		n/a - project composed of small jobs
15	PP	PP - Transmission Mandated - Investment Programs	Other Transmission	Regulatory and Mandated	Various	N/A	(602,923)	(90,010)	3,349	113,760	183,289	295,156	184,374	417,717	281,540	168,426	167,494	146,893	1,269,066		
16	PP	PP - Transmission Upgrades - Investment Programs	Other Transmission	Modernize and Upgrades	Various	N/A	16,312	(78,804)	(87,412)	89,833	67,244	58,077	27,565	37,780	66,262	37,059	45,113	94,285	373,313		
17	PP	PP - Transmission New Connects - Investment Programs	Other Transmission	New Connects	Various	N/A	-	-	(5,293)	-	-	-	-	-	-	-	-	-	(5,293)		
18	RMP	Replace Huntington 345kV CB322 - SF6	Other Transmission	Regulatory and Mandated	Jan 17, 2018	100%	521,601	(4,083)	4,345	-	-	-	-	-	-	-	-	-	521,863		
19	RMP	Replace Sigurd 345kV CB324 - SF6	Other Transmission	Regulatory and Mandated	May 31, 2018	50%	-	-	-	-	300,000	-	-	-	-	-	-	-	300,000		
20	RMP	Wyoming Transmission Easements incl BLM Kemm-Monumnt-S.Trona	Other Transmission	Regulatory and Mandated	Apr 30, 2018	100%	-	-	-	13,376	13,376	13,000	54,800	54,800	55,460	54,800	54,800	55,460	369,871		
21	RMP	Carbon Ashley 138kv Trans BIA Permit Ren	Other Transmission	Regulatory and Mandated	Apr 30, 2018	35%	-	-	-	2,800,000	1,400,000	-	-	-	-	-	-	-	4,200,000		
22	RMP	Idaho Power -Kinport Replace C 341 Series Cap	Other Transmission	Regulatory and Mandated	Nov 01, 2018	20%	-	-	-	-	-	-	-	-	-	-	3,623,720	-	3,623,720		
23	RMP	Idaho Power - Borah - Midpoint #1 replace wood w/ steel	Other Transmission	Regulatory and Mandated	Nov 01, 2018	0%	-	-	-	-	-	-	-	-	-	-	2,500,000	-	2,500,000		
24	RMP	Riverdale - El Monte convert o 138kV: Trans	Other Transmission	Regulatory and Mandated	Mar 31, 2018	99%	-	-	3,959,074	990,351	30,414	1,110	-	-	-	-	-	-	4,980,949		
25	RMP	MOD-33 DFR Installations	Other Transmission	Regulatory and Mandated	Jul 01, 2018	75%	-	-	-	-	-	-	4,883,866	44,400	52,192	66,600	-	-	5,047,058		
26	RMP	Physical Security / CIPS 14	Other Transmission	Regulatory and Mandated	Nov 15, 2019	10%	-	-	-	-	-	-	-	-	-	430,000	430,000	430,000	1,290,000		
27	RMP	CIPS Low 2018	Other Transmission	Regulatory and Mandated	Mar 31, 2018	0%	-	-	-	-	-	-	-	-	-	144,000	144,000	144,000	432,000		
28	RMP	Jordanelle-Midway Const 138kV Ln w/Heber	Other Transmission	System Reinforcements	May 31, 2018	10%	5,684	385,936	7,568	-	-	-	-	-	-	-	-	-	399,188	(1,500,000)	
29	RMP	Rebuild Mathington Tap to Price City Tap 1272 ACSR	Other Transmission	System Reinforcements	Dec 31, 2018	80%	-	-	1,826,604	-	-	-	-	-	-	-	-	-	1,826,604		
30	RMP	Rigby Area-Install 69kV Capacitors	Other Transmission	System Reinforcements	Various	85%	-	-	-	-	1,716,265	13,875	-	-	-	-	-	-	1,730,140		
31	RMP	Grace Sub: Relocate 46kV Line ph 1	Other Transmission	Rebuild and Replacements	Various	10%	-	-	-	-	-	-	-	-	-	-	-	1,496,997	1,496,997		
32	RMP	RMP - Transmission System Reinforcements - Investment Programs	Other Transmission	System Reinforcements	Various	N/A	15,904	30,383	128,932	-	-	-	-	-	-	-	-	-	175,219		
33	RMP	RMP - Transmission Replacements - Investment Programs	Other Transmission	Rebuild and Replacements	Various	N/A	2,117,557	2,093,882	1,131,158	1,880,865	1,907,378	2,216,203	2,292,122	2,512,486	2,280,208	1,981,162	1,708,158	1,783,826	23,905,004		n/a - project composed of small jobs
34	RMP	RMP - Transmission Mandated - Investment Programs	Other Transmission	Regulatory and Mandated	Various	N/A	789,491	14,082	245,129	268,293	155,764	196,911	298,746	185,698	201,143	193,918	501,870	112,164	3,163,209		
35	RMP	RMP - Transmission Upgrades - Investment Programs	Other Transmission	Modernize and Upgrades	Nov 30, 2018	N/A	187,676	-	-	142,783	142,783	144,503	142,783	144,503	142,783	144,503	142,783	144,503	1,479,605		
36	RMP	RMP - Transmission New Connects - Investment Programs	Other Transmission	New Connects	May 15, 2018	N/A	800	(11,716)	(54,725)	-	-	-	-	-	-	-	-	-	(65,641)		
37	TMP	Naples 138-12.5 kV New Substation TPL	Other Transmission	New Revenue/System Reinforcement - Main Grid	May 15, 2018	5%	-	-	-	-	-	-	-	-	-	-	2,770,000	-	2,770,000		
38	TMP	Red Butte/Central - St George Connect 4th 138 kV Circuit TPL	Other Transmission	New Revenue/System Reinforcement - Main Grid	Dec 31, 2018	85%	-	-	-	-	1,778,871	(4,429)	(7,242)	563	-	-	-	-	1,767,764	(798,113)	
39	TMP	Rigby and Sugarmill 161 kV Substation Shunt Capacitors TPL	Other Transmission	New Revenue/System Reinforcement - Main Grid	Nov 15, 2018	20%	-	-	-	-	1,785,434	20,000	-	-	-	-	2,758,774	22,200	4,586,409		
40	TMP	Sams Valley 500-230kV New Substation	Other Transmission	New Revenue/System Reinforcement - Main Grid	Nov 15, 2020	10%	-	-	-	-	-	-	-	-	-	-	-	10,195,043	10,195,043		See note 2
41	TMP	Spanish Fork Circuit Breaker Addition TPL	Other Transmission	New Revenue/System Reinforcement - Main Grid	May 15, 2018	97%	-	-	-	-	2,000,000	5,000	2,500	-	-	-	-	-	2,007,500		
42	TMP	Spare Goshen 345/161 kV 700 MVA Transformer TPL	Other Transmission	New Revenue/System Reinforcement - Main Grid	Apr 15, 2018	80%	-	-	-	3,357,168	3,955	2,825	2,825	-	-	-	-	-	3,366,773		
43	TMP	Syracuse - Install 2nd 345-138kV Transformer - TPL	Other Transmission	New Revenue/System Reinforcement - Main Grid	Feb 15, 2018	65%	462	2,925,744	(274,579)	277,000	-	-	-	-	-	-	-	-	2,928,627		
44	TMP	TPL Backup Bus Differential Relays	Other Transmission	New Revenue/System Reinforcement - Main Grid	Oct 15, 2018	0%	-	-	-	-	-	-	-	-	-	-	-	1,008,833	1,008,833		
45	TMP	TPL Overdutied Circuit Breaker Replacements	Other Transmission	New Revenue/System Reinforcement - Main Grid	Oct 15, 2015	0%	-	-	-	-	-	-	-	-	-	-	-	751,229	751,229		
46	TMP	Aeolus-Bridger/Anticline 500 kV Line (GW)	Segment D (D2 segment)	Transmission Expansion Plan	Oct 31, 2020	55%	-	-	-	-	-	-	-	-	-	3,428,994	-	-	3,428,994	(861,673)	
47	TMP	Populus-Terminal: Dbl Ckt 345 kV TransLn	Segment B	Transmission Expansion Plan	Oct 18, 2018	100%	-	66	-	-	100,000	100,000	100,000	-	-	-	2,000,000	-	2,300,066		
48	TMP	Purgatory Flats New 138 kV Network Delivery Point (UAMPS)	Other Transmission	New Revenue - Other Generation	Apr 15, 2018	95%	-	-	-	19,150,000	40,000	78,000	70,000	35,000	35,000	35,000	270,000	-	19,713,000		See note 2
49	TMP	Q0092 Cowlitz PUD Interconnection	Other Transmission	New Revenue - Other Generation	Oct 18, 2018	70%	-	-	-	-	-	-	-	-	-	3,360,568	1,169	-	3,361,737	(4,676,587)	
50	TMP	Wallula - McNary 230 kV Line	Other Transmission	New Revenue - Other Generation	Nov 15, 2018	75%	708,997	57,459	106,584	-	-	-	-	-	-	-	-	32,351,444	33,224,483		See note 2
51	TMP	New Revenue/System Reinforcement - Main Grid	Other Transmission	New Revenue/System Reinforcement - Main Grid	Various	N/A	(156,201)	339,558	184,230	332	33,382	-	-	-	-	-	-	-	401,300		
52	TMP	New Revenue Transmission Expansion Plan	Other Transmission	New Revenue Transmission Expansion Plan	Various	N/A	1,592	1,076	258	-	-	-	-	-	-	-	-	-	2,926		
53	TMP	New Revenue/System Reinforcement - Other Gener	Other Transmission	New Revenue/System Reinforcement - Other Gener	Various	N/A	14,264	61,395	(36,359)	-	-	-	-	-	-	-	-	-	39,300		
		Total					**3,817,935**	**5,976,323**	**6,869,209**	**30,113,037**	**16,362,523**	**5,993,213**	**9,339,584**	**9,334,716**	**7,520,124**	**13,429,754**	**18,710,360**	**68,757,692**	**196,224,470**		

[1] Estimated Contributions In Aid Of Construction ("CIAC") listed is for total project.

[2] Due to the confidential nature of certain one-line diagrams and PacifiCorp's one-line diagram eligibility policy found at: http://www.oasis.oati.com/PPW/PPWdocs/20110210_OneLinesRequest.pdf, one-lines for the projects identified above for facilities exceeding $5 million in cost, are available upon request. Please submit requests to datarequest@pacificorp.com.

Summary by Segment

Description	Energy Gateway Segment or Other	Jan-2017	Feb-2017	Mar-2017	Apr-2017	May-2017	Jun-2017	Jul-2017	Aug-2017	Sep-2017	Oct-2017	Nov-2017	Dec-2017	Total PPIS 2017	CIAC Amount (see note 1)
Populus to Terminal	Segment B	0	66	0	0	100,000	100,000	100,000	0	0	0	2,000,000	0	2,300,066	-
Mona to Oquirrh	Segment C	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Windstar to Populus	Segment D (D2 segment)	0	0	0	0	0	0	0	0	0	3,428,994	0	0	3,428,994	(861,673)
Populus to Hemingway	Segment E	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeolus to Mona	Segment F	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigurd to Red Butte	Segment G	0	0	0	0	0	0	0	0	0	0	0	0	-	-
West of Hemingway	Segment H *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Transmission Plant (non-Energy Gateway)	Other Transmission	3,817,935	5,976,256	6,869,209	30,113,037	16,262,523	5,893,213	9,239,584	9,334,716	7,520,124	10,000,760	16,710,360	68,757,692	190,495,410	(44,674,829)
Total		3,817,935	5,976,323	6,869,209	30,113,037	16,362,523	5,993,213	9,339,584	9,334,716	7,520,124	13,429,754	18,710,360	68,757,692	196,224,470	

* PacifiCorp is evaluating various options to supply power west of Hemingway including joint-development of regional transmission projects that could be pursued as alternatives to the Hemingway-Captain Jack project.