



**FOURTH QUARTERLY  
PROJECT TRACKING  
REPORT 2016**

October 2016

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## EXECUTIVE SUMMARY

SPP actively monitors and supports the progress of transmission expansion projects, emphasizing the importance of maintaining accountability for areas such as grid regional reliability standards, firm transmission commitments and Tariff cost recovery.

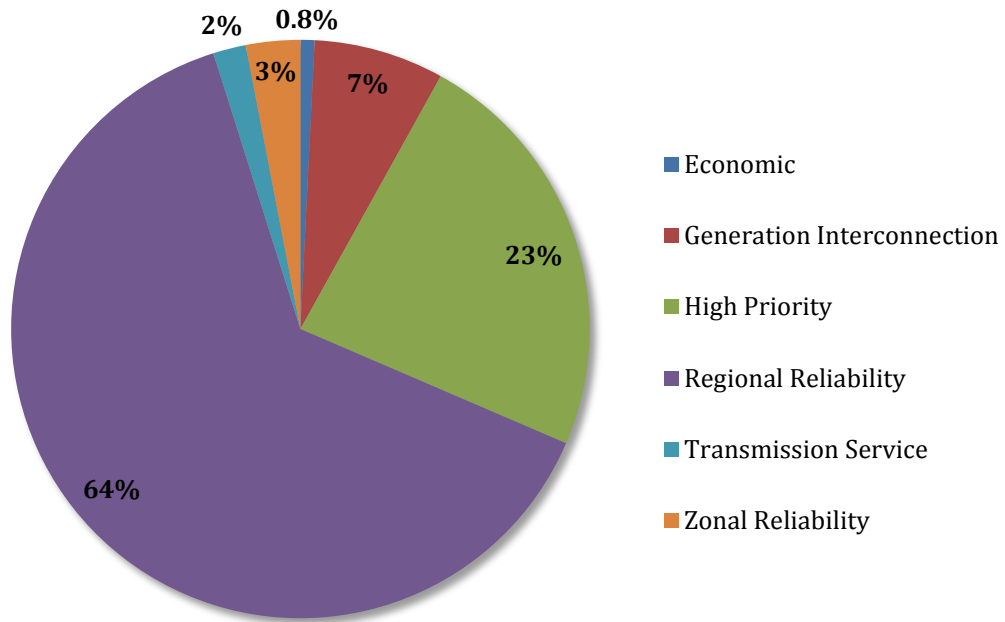
Each quarter SPP staff solicits feedback from the project owners to determine the progress of each approved transmission project. This quarterly report charts the progress of all SPP Transmission Expansion Plan (STEP) projects approved either directly by the SPP Board of Directors (Board) or through a FERC filed service agreement under the SPP Open Access Transmission Tariff (OATT).

The reporting period for this report is May 1, 2016 through July 31, 2016. Table 1 provides a summary of all projects in the current Project Tracking Portfolio (PTP), which includes all Network Upgrades in which construction activities are ongoing, or construction has completed but not all the close-out requirements have been fulfilled in accordance to Section 13 of Business Practice 7060. The PTP includes all active Network Upgrades including transmission lines, transformers, substations, and devices.

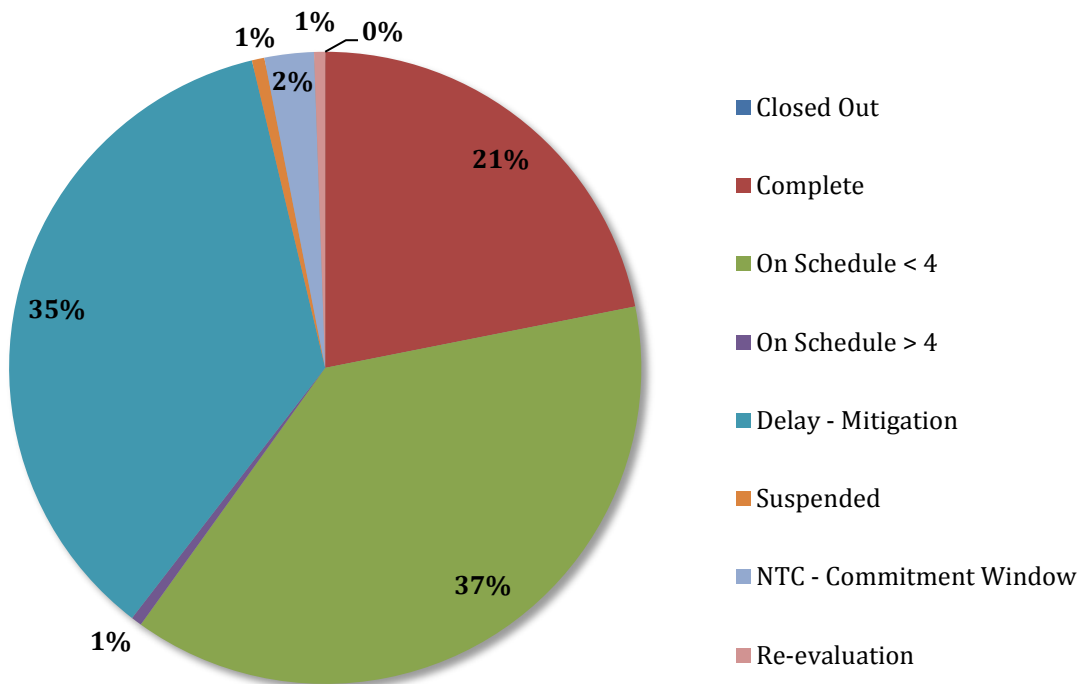
Table 1 below summarizes the PTP for this quarter. Figure 1 reflects the percentage cost of each upgrade type in the PTP. Figure 2 shows the percentage cost of each project status in the PTP.

Upgrade Type	No. of Upgrades	Estimated Cost	Miles of New	Miles of Rebuild	Miles of Voltage Conversion
Balanced Portfolio	0	\$0	0.0	0.0	0.0
Economic	4	\$39,281,222	0.0	0.0	28.8
High Priority	64	\$1,164,410,026	768.1	5.1	0.0
Regional Reliability	326	\$3,168,549,635	1602.1	415.1	311.1
Transmission Service	19	\$91,249,182	12.9	15.3	0.0
Zonal Reliability	13	\$150,921,815	34.7	26.9	0.0
<b>NTC Projects Subtotal</b>	<b>426</b>	<b>\$4,614,411,880</b>	<b>2417.8</b>	<b>462.4</b>	<b>339.9</b>
Generation Interconnection	112	\$362,088,184	0.0	0.0	0.0
Regional Reliability - Non OATT	1	\$7,107,090	0.0	0.0	0.0
TO - Sponsored	4	\$28,979,000	10.7	0.0	0.0
<b>Non-NTC Projects Subtotal</b>	<b>117</b>	<b>\$398,174,274</b>	<b>10.7</b>	<b>0.0</b>	<b>0.0</b>
<b>Total</b>	<b>543</b>	<b>\$5,012,586,154</b>	<b>2428.5</b>	<b>462.4</b>	<b>339.9</b>

**Table 1: Q4 2016 Portfolio Summary**



**Figure 1: Percentage of Project Type on Cost Basis**



**Figure 2: Percentage of Project Status on Cost Basis**

## NTC PROJECT SUMMARY

In adherence to the OATT and Business Practice 7060, SPP issues Notifications to Construct (NTCs) to Designated Transmission Owners (DTOs) to commence the construction of Network Upgrades that have been approved or endorsed by the Board intended to meet the construction needs of the STEP, OATT, or Regional Transmission Organization (RTO).

Figure 3 reflects project status within each source study, and Table 2 provides the supporting data. Figure 4 shows the amount of estimated cost by in-service year for all Network Upgrades that have been issued an NTC or NTC-C. **Note: Figures 3 and 4, and Table 2 provide data for all projects for which SPP has issued an NTC or NTC-C, regardless of completion date, and therefore include data from Network Upgrades no longer included in PTP.**

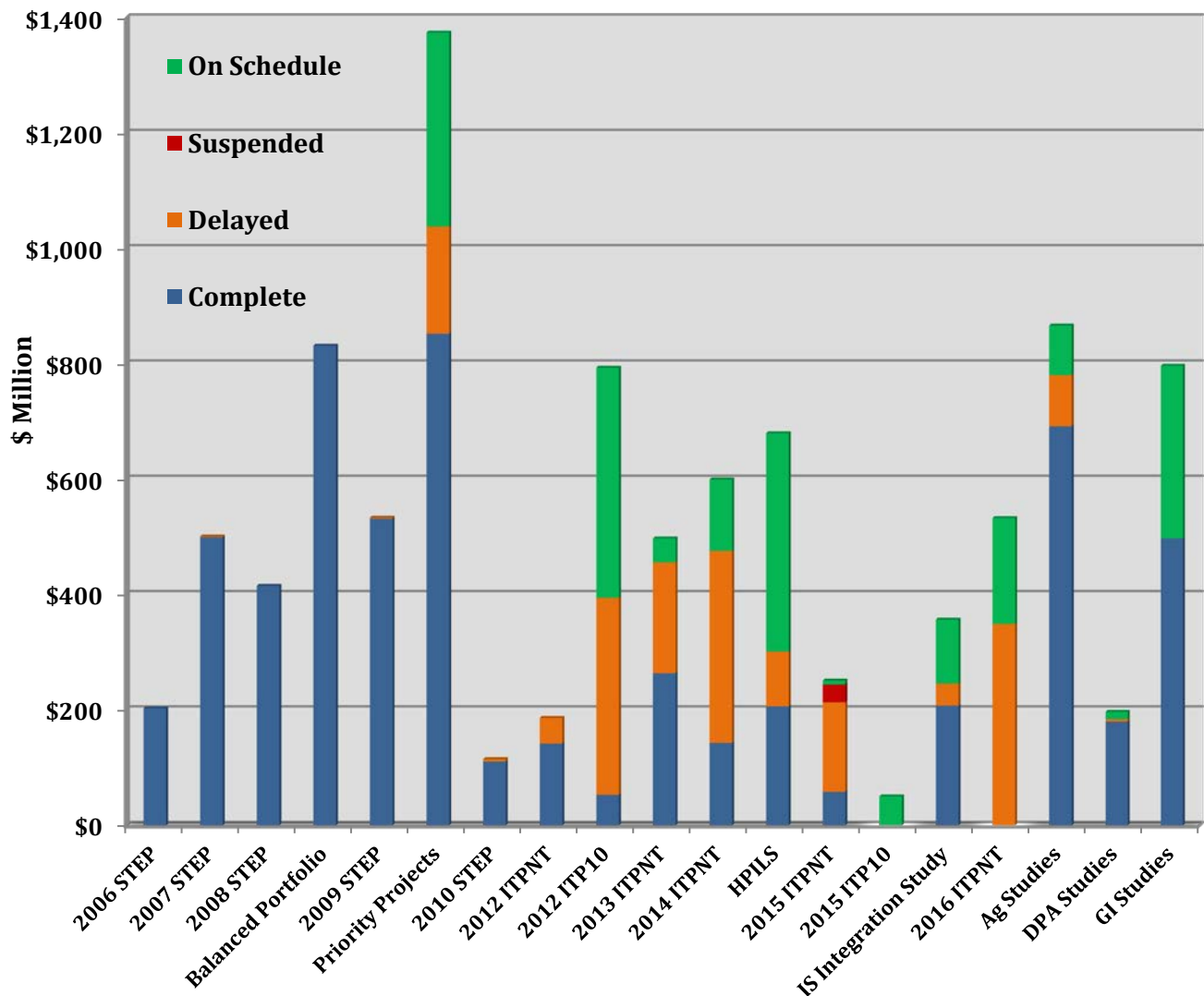


Figure 3: Project Status by NTC Source Study

Source Study	Complete	Delayed	Suspended	On Schedule	Total
2006 STEP	\$202,372,436	\$0	\$0	\$0	\$202,372,436
2007 STEP	\$499,403,129	\$1,050,000	\$0	\$0	\$500,453,129
2008 STEP	\$414,910,935	\$0	\$0	\$0	\$414,910,935
Balanced Portfolio	\$831,367,452	\$0	\$0	\$0	\$831,367,452
2009 STEP	\$531,656,708	\$1,441,050	\$0	\$0	\$533,097,758
Priority Projects	\$852,276,904	\$185,751,250	\$0	\$336,433,874	\$1,374,462,028
2010 STEP	\$110,424,502	\$4,041,273	\$0	\$0	\$114,465,775
2012 ITPNT	\$141,488,752	\$44,238,898	\$0	\$0	\$185,727,650
2012 ITP10	\$52,904,250	\$341,148,981	\$0	\$399,144,910	\$793,198,141
2013 ITPNT	\$263,374,281	\$192,277,713	\$0	\$41,462,612	\$497,114,605
2014 ITPNT	\$142,552,714	\$333,033,937	\$0	\$123,833,384	\$599,420,035
HPILS	\$205,873,781	\$95,136,190	\$0	\$378,563,610	\$679,573,580
2015 ITPNT	\$58,016,987	\$154,916,834	\$31,032,157	\$6,607,406	\$250,573,383
2015 ITP10	\$0	\$0	\$0	\$50,054,430	\$50,054,430
IS Integration Study	\$207,300,000	\$38,000,000	\$0	\$111,000,000	\$356,300,000
2016 ITPNT	\$0	\$348,892,914	\$0	\$183,543,477	\$532,436,392
Ag Studies	\$746,995,635	\$88,645,101	\$0	\$85,963,350	\$921,604,086
DPA Studies	\$179,399,512	\$4,300,087	\$0	\$12,700,880	\$196,400,479
GI Studies	\$497,098,088	\$0	\$0	\$299,536,109	\$796,634,196
<b>Total</b>	<b>\$5,937,416,064</b>	<b>\$1,832,874,227</b>	<b>\$31,032,157</b>	<b>\$2,028,844,040</b>	<b>\$9,830,166,488</b>

Table 2: Project Status by NTC Source Study

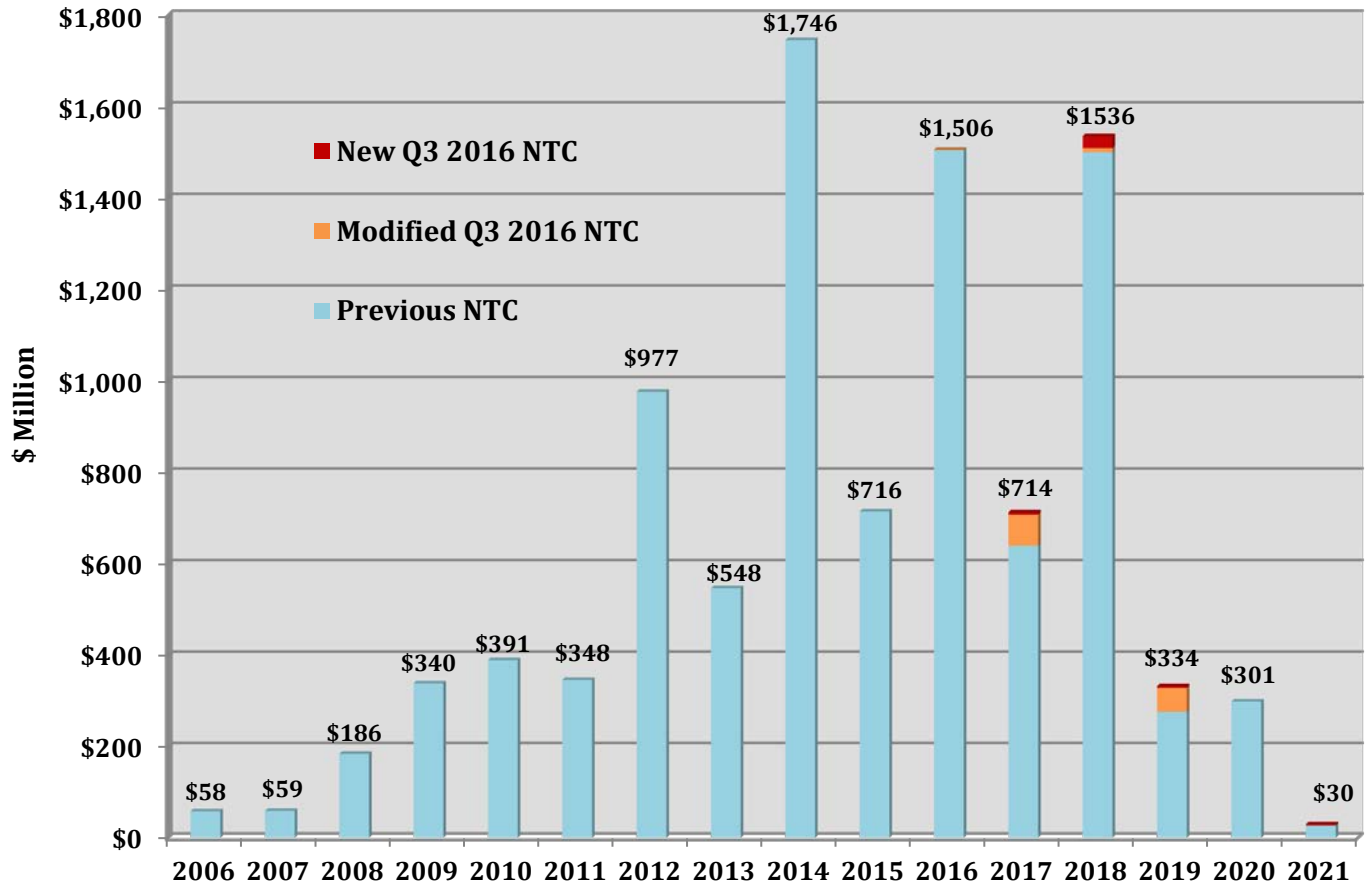


Figure 4: Estimated Cost for NTC Project per In-Service Year

**NTC ISSUANCE**

Twelve new NTCs were issued since the last quarterly report totaling an estimated \$178.9 million.

Two NTCs were issued as a result of the completion of Aggregate Studies, SPP-2015-AG2-AFS-3 and SPP-2015-AG1-AFS-6. The total estimated cost of the Network Upgrades listed in these NTCs is \$12.9 million.

NTC No. 200376 was issued to Sunflower Electric Power Corp. (SEPC) as a result of the Delivery Point Addition Study, DPA-2015-MAR-494. The total estimated cost of the two Network Upgrades listed in this NTC is \$5 million.

Two new NTC's were issued as a result of the Board approval of the 2016 Integrated Transmission Planning Near-Term Assessment (ITPNT). The total estimated cost of the Network Upgrades described in these NTCs is \$40.5 million.

Five NTC Modifications were issued for miscellaneous reasons for a total estimated cost of \$130.6 million.

Table 3 summarizes the NTC activity from July 1, 2016 through September 30, 2016. NTC ID values in **bold** font indicate NTC-Cs.

NTC ID	Owner	NTC Issue Date	Upgrade Type	Source Study	No. of Upgrades	Estimated Cost of New Upgrades	Estimated Cost of Previously Approved Upgrades
200376	SEPC	7/12/2016	Regional Reliability	DPA-2015-MARCH-494	2	\$5,048,749	
200399	BEPC	8/17/2016	Regional Reliability	2014 ITPNT	1		<i>Included in NTC No. 200400</i>
200400	NPPD	8/17/2016	Regional Reliability	2014 ITPNT	3		\$36,705,157
200403	MIDW	7/14/2016	Regional Reliability	SPP-2015-AG2-AFS-3	1	\$2,663,963	
200404	SPS	7/25/2016	Regional Reliability	SPP-2015-AG1-AFS-6	1		\$10,316,217
200406	AEP	8/17/2016	Regional Reliability	2016 ITPNT	3	\$14,542,673	
200407	SPS	8/17/2016	Regional Reliability	2016 ITPNT	4	\$25,993,501	
200409	BEPC	8/17/2016	Regional Reliability	2016 ITPNT	1		\$52,312,877
200410	SPS	8/17/2016	Regional Reliability	2014 ITPNT	1		\$668,829
200411	SPS	8/17/2016	High Priority	HPILS	3		\$30,641,292
200412	OGE	9/19/2016	Generation Interconnection	GEN-2014-020	1	\$20,000	
200413	GMO	9/15/2016	Generation Interconnection	GEN-2015-005	1	\$30,000	
<b>Total</b>					<b>22</b>	<b>\$48,298,886</b>	<b>\$130,644,372</b>

**Table 3: Q2 2016 NTC Issuance Summary**



***NTC WITHDRAW***

Four NTCs were withdrawn for five Network Upgrades since the last quarterly report, totaling an estimated \$44.4 million.

All five of the withdrawn Network Upgrades were determined to no longer be needed as a part of the ongoing 2016 ITP Near-Term Assessment. The Board approved the withdrawals at its meeting in July 2016.

Table 4 lists the NTC Withdraw activity from April 1, 2016 through June 30, 2016. NTC ID values in **bold** font indicate NTC-Cs.

NTC ID	Owner	NTC Withdraw Date	Upgrade Type	Source Study	No. of Upgrades	Estimated Cost of Withdrawn Upgrades
200405	WR	8/17/2016	Regional Reliability	2015 ITPNT	1	\$21,742,624
200406	AEP	8/17/2016	Regional Reliability	2016 ITPNT	1	\$3,534,979
200408	MKEC	8/17/2016	Regional Reliability	2015 ITP10	2	\$15,234,358
200409	BEPC	8/17/2016	Regional Reliability	2016 ITPNT	1	\$3,918,000
<b>Total</b>					<b>5</b>	<b>\$44,429,961</b>

**Table 4: Q3 2016 NTC Withdraw Summary**

### COMPLETED PROJECTS

Nineteen (19) Network Upgrades with NTCs and two Generation Interconnection Network Upgrades were verified as completed during the reporting period, totaling an estimated \$205.4 million.

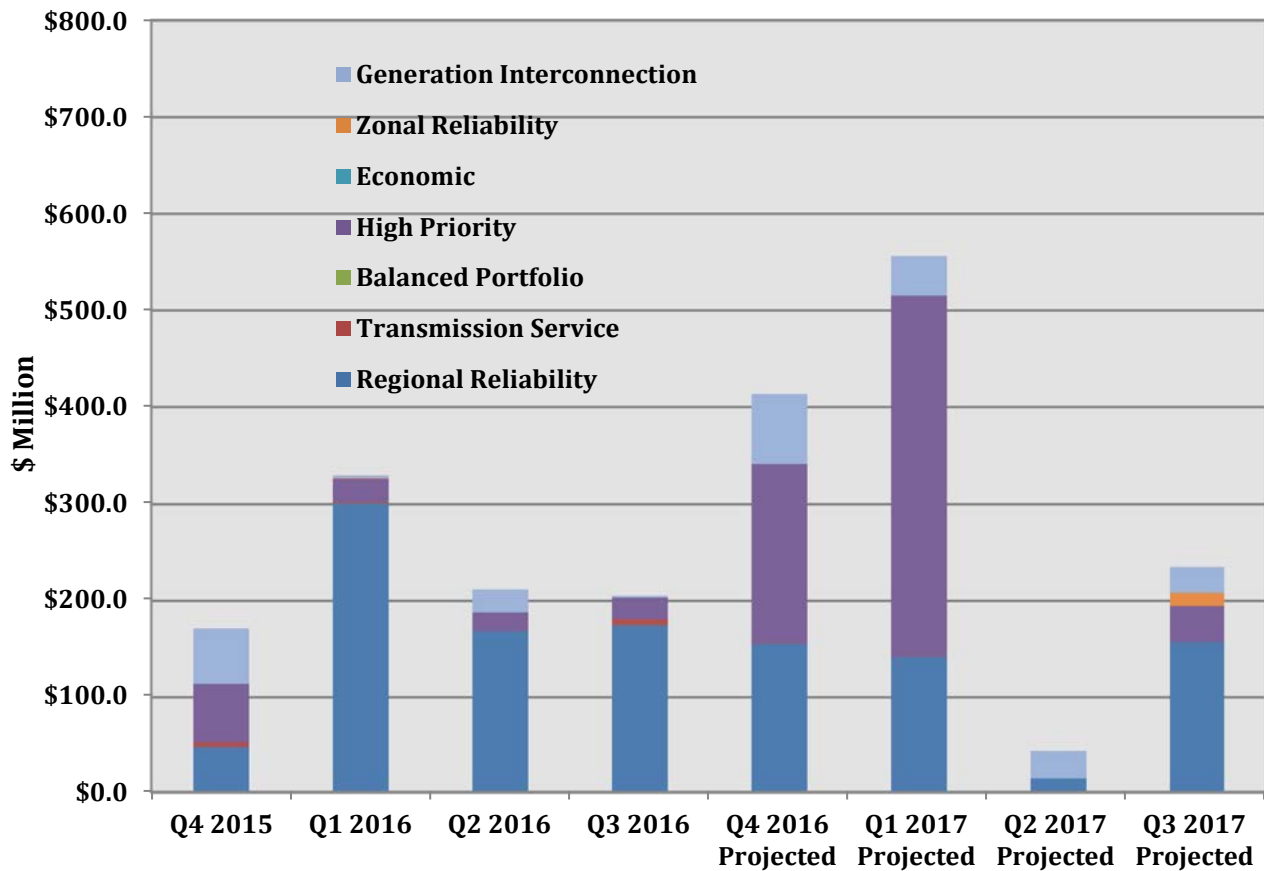
Table 5 lists the Network Upgrades reported and confirmed as completed during the reporting period. Table 6 summarizes the completed projects over the previous year, including Network Upgrades not yet confirmed as completed. Figure 5 reflects the completed projects by upgrade type on a cost basis for the current year and the following year based on current projected in-service dates. Tables 7 and 8 summarize all Network Upgrades that include construction of transmission lines, both for the current year and the following year. **Note: Previous quarter's updated results are listed as the Transmission Owners may make adjustments to final costs and status of projects completed during the year.**

UID	Network Upgrade Name	Owner	NTC Source Study	Cost Estimate
11205	Cole - OU Switchyard 138 kV Ckt 1	WFEC	2013 ITPNT	\$1,705,000
11261	BROKEN ARROW NORTH - SOUTH TAP - ONETA 138KV CKT 1 #2	AEP	Ag Studies	\$6,072,000
50440	Hoskins - Neligh 345 kV Ckt 1	NPPD	2014 ITPNT	\$53,741,554
50456	Cimarron - Matthewson 345 kV Ckt 2	OGE	2012 ITP10	\$32,936,400
50458	Matthewson 345 kV	OGE	2012 ITP10	\$19,967,850
50516	Deaf Smith County Interchange 230/115 kV Transformer Ckt 2	SPS	2013 ITPNT	\$4,225,233
50621	Neligh 115 kV Terminal Upgrades	NPPD	2014 ITPNT	\$20,378,603
50699	S1366 161/69 kV Ckt 1 Transformer	OPPD	2014 ITPNT	\$4,426,730
50761	S1366 161 kV Ckt 1 Terminal Upgrades	OPPD	2014 ITPNT	\$422,270
50765	Frisco - Harden City 138 kV Ckt 1 Voltage Conversion	OGE	2014 ITPNT	\$2,121,320
50862	Road Runner 345/115 kV Ckt 1 Transformer	SPS	HPILS	\$3,989,689
50863	Road Runner 345 kV Substation Conversion	SPS	HPILS	\$11,569,711
50864	China Draw 115 kV SVC	SPS	2015 ITPNT	\$25,925,187
51048	Midwest Pump Tap 115 kV Substation	MIDW	HPILS	\$4,477,251
51049	Midwest Pump - Midwest Pump Tap 115 kV Ckt 1	MIDW	HPILS	\$2,443,469
51197	South Waverly 161/69 kV Ckt 1 Transformer	KCPL	2015 ITPNT	\$2,000,000
51211	Benton 138 kV Terminal Upgrades	WR	2015 ITPNT	\$893,730
51268	South Waverly 161 kV Terminal Upgrades	KCPL	2015 ITPNT	\$280,000
51307	AVS 345 kV Substation	BEPC	IS Integration	\$5,800,000
51469	Chaves County Interchange 115kV Substation GEN-2014-033 Addition (TOIF)	SPS	GI Studies	\$260,000
51470	Chaves County Interchange 115kV Substation GEN-2014-033 Addition	SPS	GI Studies	\$1,830,343
<b>Total</b>				<b>\$205,466,339</b>

**Table 5: Q2 2016 Completed Network Upgrades**

Upgrade Type	Q3 2015	Q4 2015	Q1 2016	Q2 2016	Total
<b>Regional Reliability</b>	11 \$47,450,683	23 \$301,451,501	18 \$168,682,312	14 \$174,823,877	<b>66</b> <b>\$692,408,373</b>
<b>Transmission Service</b>	1 \$4,800,000	2 \$1,617,301	1 \$136,806	1 \$6,072,000	<b>5</b> <b>\$12,626,107</b>
<b>High Priority</b>	2 \$61,928,987	3 \$23,382,497	4 \$19,252,713	4 \$22,480,119	<b>13</b> <b>\$127,044,316</b>
<b>Zonal Reliability</b>	0 \$0	1 \$806,397	0 \$0	0 \$0	<b>1</b> <b>\$806,397</b>
<b>Generation Interconnection</b>	15 \$57,382,797	2 \$2,688,935	6 \$23,791,332	2 \$2,090,343	<b>25</b> <b>\$85,953,407</b>

**Table 6: Completed Project Summary through 3rd Quarter 2016**



**Figure 5: Completed Upgrades by Type per Quarter**

Voltage Class	Number of Upgrades	New	Rebuild/ Reconductor	Voltage Conversion	Estimated Cost
69	10	44.0	55.7	0.0	\$71,702,008
115	9	101.2	7.0	4.5	\$87,049,921
138	6	13.0	17.9	20.9	\$25,480,763
161	0	0.0	0.0	0.0	\$0
230	4	59.9	0.0	122.0	\$77,942,605
345	3	132.0	0.0	0.0	\$168,677,954
<b>Total</b>	<b>32</b>	<b>350.1</b>	<b>80.6</b>	<b>147.4</b>	<b>\$430,853,251</b>

**Table 7: Line Upgrade Summary for Previous 12 Months**

Voltage Class	Number of Upgrades	New	Rebuild/ Reconductor	Voltage Conversion	Estimated Cost
69	6	2.0	31.4	0.0	\$23,977,644
115	17	150.2	20.0	1.0	\$172,626,512
138	4	55.1	8.3	8.3	\$56,163,055
161	1	0.0	11.1	0.0	\$12,705,537
230	1	30.0	0.0	0.0	\$58,317,000
345	5	319.7	0.0	0.0	\$579,277,604
<b>Total</b>	<b>34</b>	<b>557.0</b>	<b>70.8</b>	<b>9.3</b>	<b>\$903,067,352</b>

**Table 8: Line Upgrade Projections for Next 12 Months**

### PROJECT STATUS SUMMARY

SPP assigns a project status to all Network Upgrades based on the projected in-service dates provided by the DTOs relative to the Need Date determined for the project. Project status definitions are provided below:

- **Complete:** Construction complete and in-service
- **Closed Out:** Construction complete and in-service; all close-out requirements fulfilled
- **On Schedule < 4:** On Schedule within 4-year horizon
- **On Schedule > 4:** On Schedule beyond 4-year horizon
- **Delayed:** Projected In-Service Date beyond Need Date; interim mitigation provided or project may change but time permits the implementation of project
- **Within NTC Commitment Window:** NTC/NTC-C issued, still within the 90-day written commitment to construct window and no commitment received
- **Within NTC-C Project Estimate Window:** Within the NTC-C Project Estimate (CPE) window
- **Within RFP Response Window:** RFP issued for the project
- **Re-evaluation:** Project active; pending re-evaluation
- **Suspended:** Project suspended; pending re-evaluation

Figure 6 reflects a summary of project status by upgrade type on a cost basis.

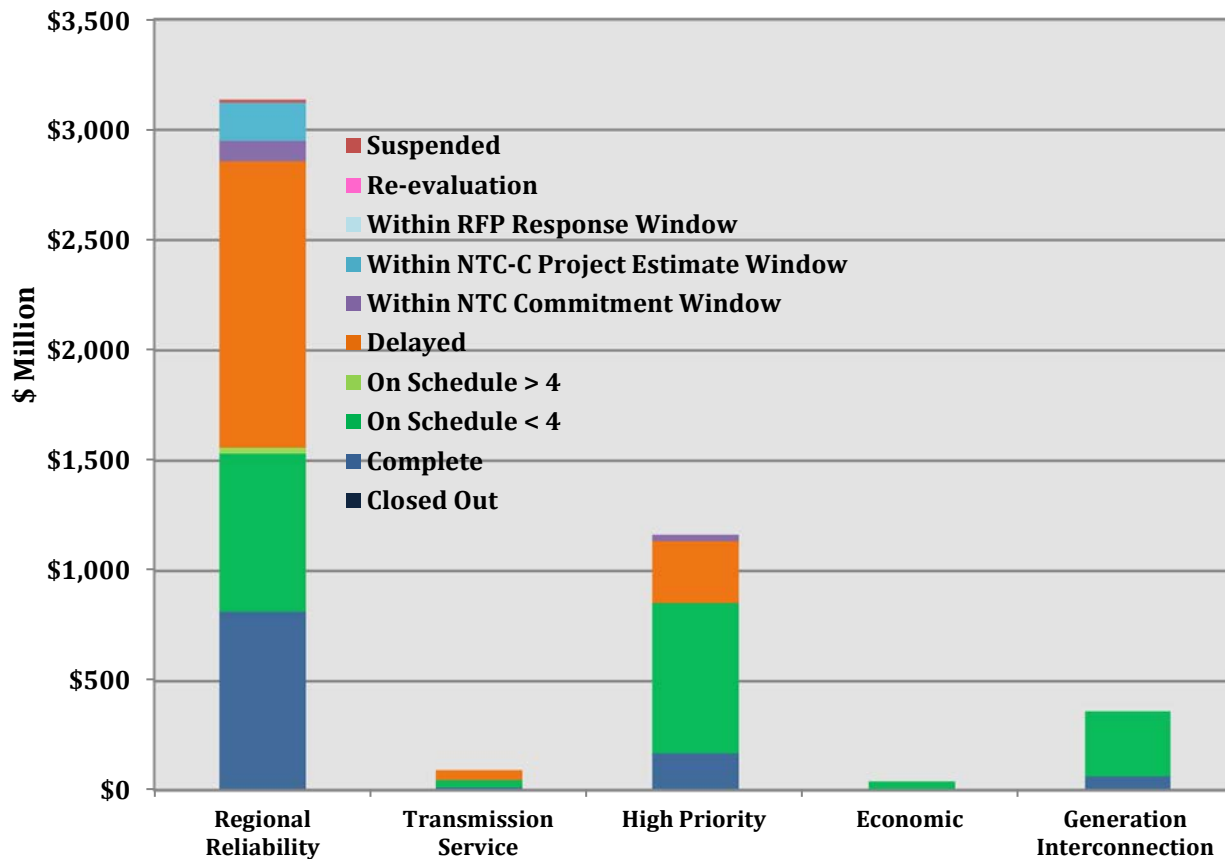


Figure 6: Project Status Summary on a Cost Basis

## BALANCED PORTFOLIO

Approved in April 2009, the Balanced Portfolio was an initiative to develop a group of economic transmission upgrades that benefit the entire SPP region, and to allocate those project costs regionally. The projects that were issued NTCs as a result of the study include a diverse group of projects, estimated to add approximately 702 miles of new 345 kV transmission line to the SPP system.

The total cost estimate of \$831.4 million for the projects making up the Balanced Portfolio did not change from the previous quarter's total.

All the projects making up the Balanced Portfolio have been completed and placed into service. A final reallocation of Revenue Requirements for deficient Zone(s) will be performed once all actual costs have been reported.

Figure 7 below depicts a historical view of the total estimated cost of the Balanced Portfolio. Table 9 provides a project summary of the projects making up the Balanced Portfolio.

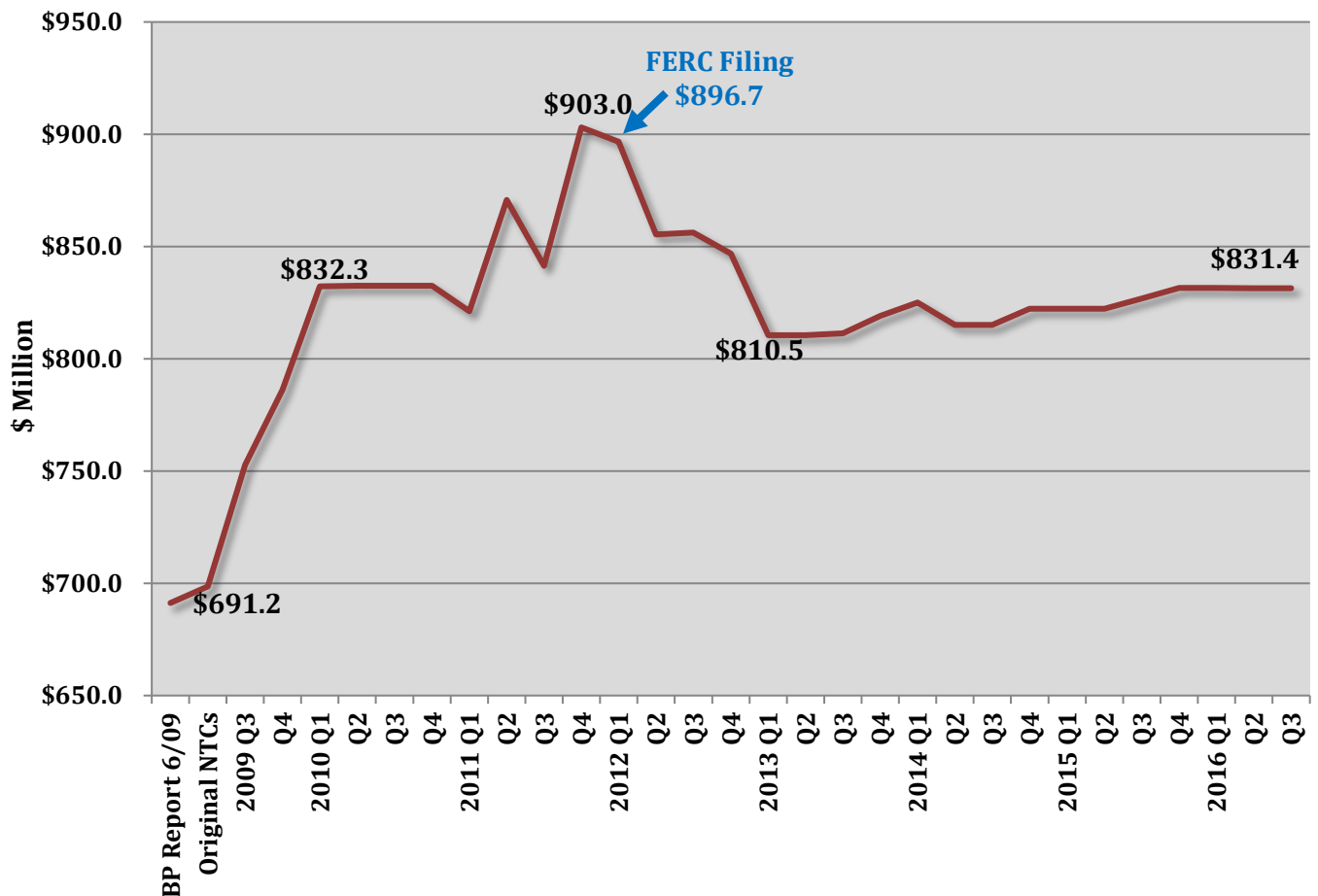


Figure 7: Balanced Portfolio Cost Estimate Trend

Project ID(s)	Project Owner(s)	Project Name	Line Length	Study Estimates	Q2 2016 Cost Estimates	Q3 2016 Cost Estimates	Var. %
705/709	WFEC/OGE	Gracemont Substation 345 kV	N/A	\$8,000,000	\$14,859,014	\$14,859,014	0.0%
707/708	ITCGP/NPPD	Spearville - Post Rock - Axtell 345 kV	226.9	\$236,557,015	\$206,798,467	\$206,798,467	0.0%
698/699	OGE/GRDA	Sooner - Cleveland 345 kV	36	\$33,530,000	\$50,269,871	\$50,269,871	0.0%
702	KCPL	Swissvale - Stilwell Tap 345 kV	N/A	\$2,000,000	\$2,875,727	\$2,875,727	0.0%
700	OGE	Seminole - Muskogee 345 kV	118	\$129,000,000	\$163,456,250	\$163,456,250	0.0%
701/704	OGE/SPS	Tuco - Woodward 345 kV	290.1	\$227,727,500	\$330,158,871	\$330,158,871	0.0%
703	GMO/KCPL	Iatan - Nashua 345 kV	30.9	\$54,444,000	\$62,949,252	\$62,949,252	0.0%
<b>Total</b>			<b>701.9</b>	<b>\$691,258,515</b>	<b>\$831,367,452</b>	<b>\$831,367,452</b>	<b>0.0%</b>

**Table 9: Balanced Portfolio Cost Summary**

## PRIORITY PROJECTS

In April 2010 the Board and Members Committee approved for construction a group of "priority" high voltage electric transmission projects estimated to bring benefits of at least \$3.7 billion to the SPP region over 40 years. The projects issued NTCs as a result of the study are estimated to add 291 miles of new single circuit 345 kV transmission line and 435 miles of double circuit 345 kV transmission to the SPP region.

In October 2010 the Board approved an overall cost increase for the Priority Projects due to line rerouting and addition costs for reactive compensation. The total cost estimate for the Priority Projects after the variances were approved was \$1.42 billion.

The total cost estimate of \$1.37 billion for the projects included in the Priority Projects report increased by 4.4% from the previous quarter's total.

Figure 8 below depicts a historical view of the total estimated cost of the Priority Projects. Table 10 provides a project summary of the projects making up the Priority Projects. Table 11 lists construction status updates for the Priority Projects not yet completed.

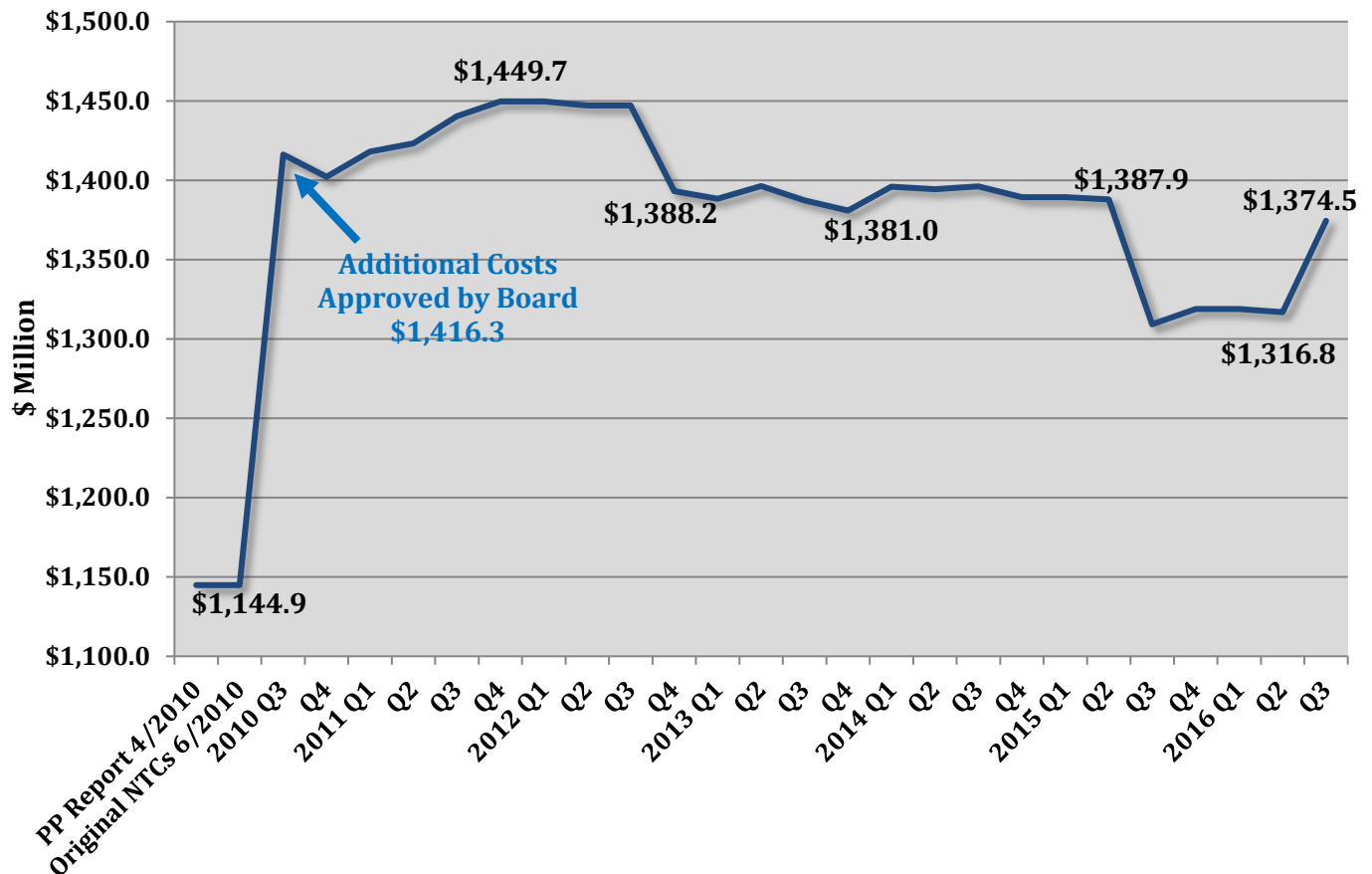


Figure 8: Priority Project Cost Estimate Trend



Project ID(s)	Project Owner(s)	Project	Est. Line Length	Board Approved Estimates (10/2010)	Q2 2016 Cost Estimates	Q3 2016 Cost Estimates	Var. %
937	AEP	Tulsa Power Station 138 kV Reactor	N/A	\$842,847	\$614,753	\$614,753	0.0%
940/941	SPS/OGE	Hitchland – Woodward District 345 kV Dbl Ckt	128.8	\$221,572,283	\$229,667,207	\$229,667,207	0.0%
942/943	PW/OGE	Thistle – Woodward District 345 kV Dbl Ckt	106.6	\$201,940,759	\$185,315,142	\$185,315,142	0.0%
945	ITCGP	Spearville – Ironwood – Clark Co. – Thistle 345 kV Dbl Ckt	122.5	\$293,235,000	\$316,862,107	\$316,862,107	0.0%
946	PW/WR	Thistle – Wichita 345 kV Dbl Ckt	77.5	\$163,488,000	\$119,954,152	\$119,817,694	-0.1%
936	AEP	Valliant – NW Texarkana 345 kV	76.3	\$131,451,250	\$127,995,000	\$185,751,250	45.1%
938/939	OPPD/TSMO	Nebraska City – Mullin Creek – Sibley 345 kV	215.0	\$403,740,000	\$336,433,874	\$336,433,874	0.0%
<b>Total</b>			<b>726.7</b>	<b>\$1,416,270,139</b>	<b>\$1,318,959,956</b>	<b>\$1,374,462,027</b>	<b>4.4%</b>

**Table 10: Priority Projects Summary**

Project ID	Project Name	Projected In-Service Date	Engineering	Siting and Routing	Environmental Studies	Permits	Material Procurement	Construction	
936	Valliant – NW Texarkana 345 kV	12/16/2016	C	C	C	C	C	IP	C Complete
938	Nebraska City – Mullin Creek – Sibley 345 kV (TSMO)	12/31/2016	C	C	C	C	IP	IP	IP In Progress
939	Nebraska City – Mullin Creek – Sibley 345 kV (OPPD)	12/31/2016	C	C	C	C	C	IP	NS Not Started
									N/A Not Applicable

**Table 11: Priority Projects Construction Status**

## 2012 ITP10

In January 2012 the Board approved the first Integrated Transmission Planning 10-Year Assessment (ITP10). The projects approved as a part of the report ranged from comprehensive regional solutions to local reliability upgrades to address the expected reliability, economic, and policy needs of the studied 10- year horizon. The approved portfolio from the 2012 ITP10 is expected to add approximately 513 circuit miles of new 345 kV transmission.

The first 2012 ITP10 project that was completed was the new Matthewson 345 kV substation and second 345 kV circuit from Matthewson to Cimarron completed in July 2016.

Figure 9 below depicts a historical view of the total estimated cost of the 2012 ITP10 projects. Table 12 provides a summary of the projects approved as part of the 2012 ITP10.

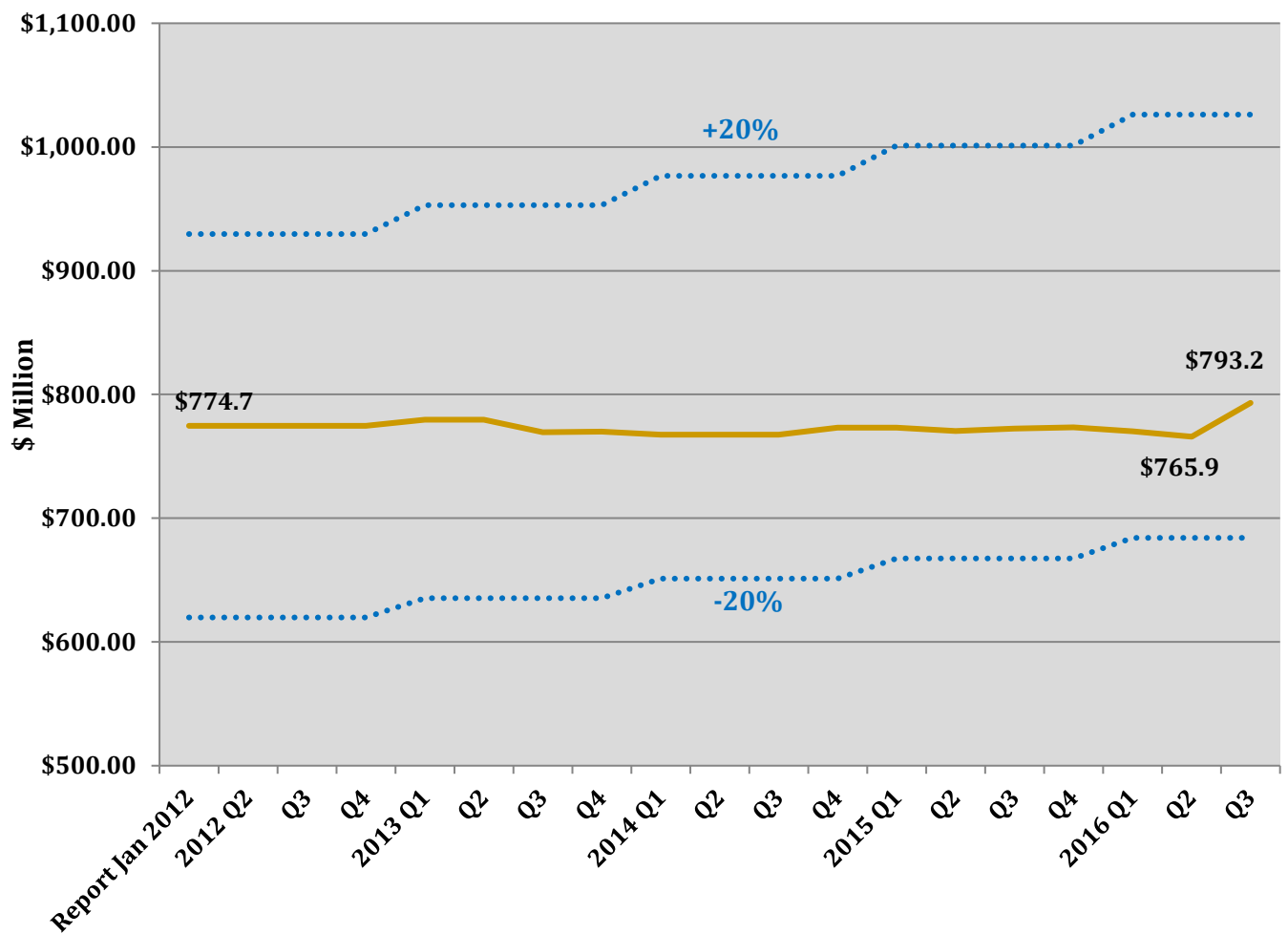


Figure 9: 2012 ITP10 Cost Estimate Trend

Project ID(s)	Project Owner(s)	Project	Est. 345 kV Line Length	Established Baseline Cost Estimates (Adj. for Inflation)	Q2 2016 Cost Estimates	Q3 2016 Cost Estimates	Var. % (Q2 vs. Q3)
30361	AEP/OGE	Chisholm - Gracemont 345 kV	101.8	\$175,481,866	\$162,952,357	\$162,952,357	0.0%
30364	OGE	Woodward District EHV - Tatonga - Matthewson - Cimarron 345 kV Ckt 2	126.0	\$191,915,155	\$178,212,300	\$178,212,300	0.0%
30367	ITCGP/WR	Elm Creek - Summit 345 kV	58.2	\$121,741,449	\$111,352,588	\$110,884,503	-0.4%
30375	NPPD	Gentleman - Cherry Co. - Holt Co. 345 kV	227.0	\$337,472,347	\$313,376,623	\$341,148,981	8.9%
<b>Total</b>			<b>513.0</b>	<b>\$826,610,817</b>	<b>\$765,893,868</b>	<b>\$793,198,141</b>	<b>3.6%</b>

Table 12: 2012 ITP10 Summary

## OUT-OF-BANDWIDTH PROJECTS

In adherence to the Business Practice 7060, SPP reports projects that have updated cost values that exceed their established baseline values based upon a  $\pm 20\%$  bandwidth. Variances are determined by total project cost.

Two projects with a cost estimate greater than \$5 million were identified as having exceeded the  $\pm 20\%$  bandwidth requirement during the reporting period.

Table 13 provides summary information and Table 14 lists the cost detail for the out-of-bandwidth projects for Q3 2016.

PID	Project Name	Owner	NTC Source Study	Upgrade Type	In-Service Date
936	Line - Valliant - NW Texarkana 345 kV	AEP	Priority Projects	High Priority	10/1/2016

**Table 13: Out-of-Bandwidth Project Summary**

PID	Baseline Cost Estimate	Baseline Cost Estimate Year	Baseline Cost Estimate with Escalation	Latest Estimate or Final Cost	Variance	Variance %
936	\$127,995,000	2014	\$134,474,747	\$185,751,250	\$51,276,503	38.1%

**Table 14: Out-of-Bandwidth Project Cost Detail**

## RESPONSIVENESS REPORT

Table 15 and Figures 10 and 11 provide insight into the responsiveness of DTOs constructing Network Upgrades within SPP in the Quarterly Project Tracking Report for Q2 2016. **Note: Network Upgrades with statuses of “Suspended”, “Re-evaluation”, “Within NTC Commitment Window”, “Within NTC-C Project Estimate Window”, and “Within RFP Response Window” were excluded from this analysis.**

Project Owner	Number of Upgrades	Number of Upgrades Reviewed	Reviewed %	Number of ISD Changes	ISD Change %	Number of Cost Changes	Cost Change %
AEP	60	60	100%	2	3%	6	10%
BEPC	19	6	32%	2	11%	4	21%
GMO	2	1	50%	0	0%	0	0%
GRDA	11	9	82%	0	0%	0	0%
ITCGP	12	8	67%	0	0%	5	42%
KCPL	7	5	71%	0	0%	0	0%
LES	2	1	50%	0	0%	0	0%
MIDW	14	4	29%	2	14%	0	0%
MKEC	10	1	10%	1	10%	0	0%
NPPD	33	21	64%	3	9%	6	18%
OGE	59	9	15%	2	3%	1	2%
OPPD	14	14	100%	2	14%	2	14%
SPS	171	52	30%	35	20%	32	19%
TSMO	7	5	71%	3	43%	0	0%
WFEC	32	4	13%	3	9%	0	0%
WR	33	31	94%	3	9%	8	24%
<b>Total</b>	<b>495</b>	<b>235</b>	<b>47%</b>	<b>62</b>	<b>13%</b>	<b>68</b>	<b>14%</b>

**Table 15: Responsiveness Summary by Project Owner**

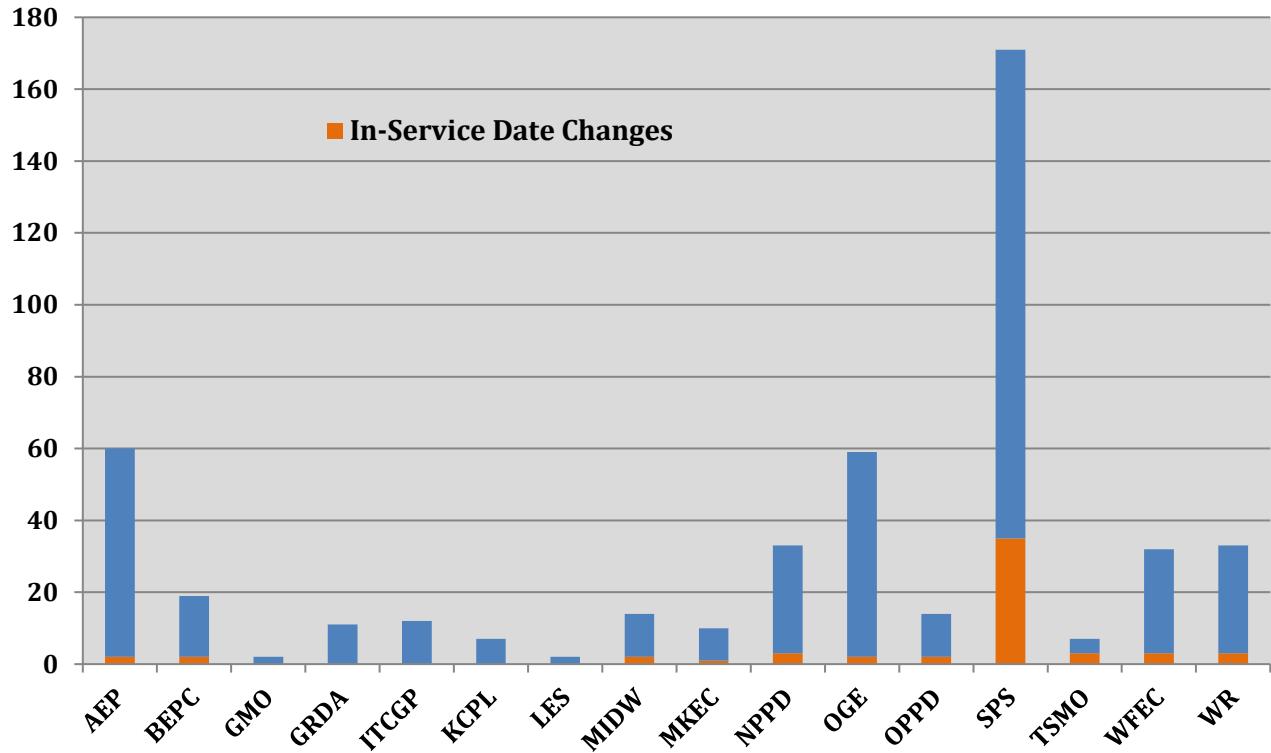


Figure 10: In-Service Date Changes by Project Owner

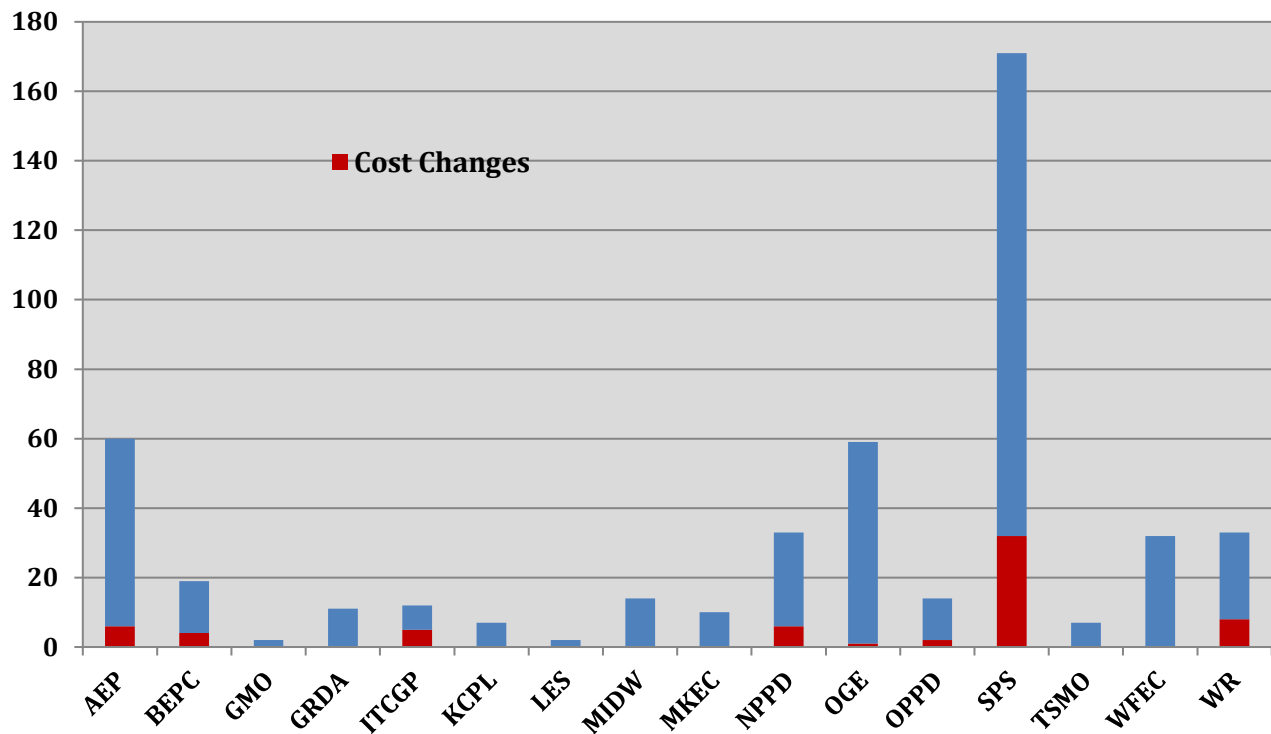


Figure 11: Cost Changes by Project Owner

## APPENDIX 1

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*{See accompanying list of active Applicable Projects}*