

PPL Corporation | EEI ESG/Sustainability Template | Section 2: Quantitative Information

Disclaimer: All information below is being provided on a voluntarily basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company. Cautionary statement regarding forward looking information: Any statements made in this document about future operating results or other future events are forward-looking statements under the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. Although based on current beliefs and expectations, forward-looking statements involve various risks and uncertainties, including those that PPL Corporation describes in its Form 10-K and other filings with the Securities and Exchange Commission. Actual results may differ materially from the forward-looking statements.

Parent Company: PPL Corporation
Operating Company(s): PPL Electric Utilities, Louisville Gas & Electric and Kentucky Utilities and Western Power Distribution
Business Type(s): Fully regulated utilities: Distribution (U.K.); T&D (Pennsylvania) and T&D plus regulated generation (Kentucky)
State(s) of Operation: Pennsylvania, Kentucky, Virginia and Tennessee; United Kingdom
State(s) with RPS Programs: Pennsylvania, Kentucky, Virginia and Tennessee
Regulatory Environment: Regulated
Report Date: 12/4/2017

Ref. No.	Refer to the Definitions tab for more information on each metric	Baseline 2005 <i>Actual</i>	Last Year 2015 <i>Actual</i>	Current Year 2016 <i>Actual</i>	Next Year 2017 <i>Target</i>	Future Year <i>Target</i>	Comments, Links, Additional Information, and Notes
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Portfolio

1	Owned Nameplate Generation Capacity at end of year (MW)	8,728	9,148	9,157	9,157		2017 information is based on internal projections that have not been finalized for filing. Per "Definitions for the EEI ESG/Sustainability Template for the Electric Utility Industry" Nameplate Capacities are based on EIA Form 860 (and will differ from Summer Capacities in 10-K report) Net Generation is based on EIA Form 923 Does not include 8.13% equity interest in OVEC
1.1	Coal	6,015	5,750	5,750	5,750		
1.2	Natural Gas	2,543	3,284	3,284	3,284		
1.3	Nuclear	-	-	-	-		
1.4	Petroleum	62	-	-	-		
1.5	Total Renewable Energy Resources	108	113	123	123		
1.5.1	Biomass/Biogas	-	-	-	-		
1.5.2	Geothermal	-	-	-	-		
1.5.3	Hydroelectric	108	113	113	113		
1.5.4	Solar	-	-	10	10		
1.5.5	Wind	-	-	-	-		
1.6	Other	-	-	-	-		

Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options

2	Net Generation for the data year (MWh)	34,665,000	34,634,000	34,881,000	31,833,000		Based on 75% of Trimble County 1 and 2. Does not include OVEC and Bluegrass (these have been treated as Scope 2 GHG). Petroleum is only used for startup of Trimble County and Ghent coal units.
2.1	Coal	33,466,000	29,609,000	28,029,000	27,417,000		
2.2	Natural Gas	927,000	4,610,100	6,357,000	4,130,000		
2.3	Nuclear	0	0	0	0		
2.4	Petroleum	41,037	43,310	45,284	56		
2.5	Total Renewable Energy Resources	231,000	372,000	420,000	286,000		
2.5.1	Biomass/Biogas	-	-	-	-		
2.5.2	Geothermal	-	-	-	-		
2.5.3	Hydroelectric	231,000	372,000	408,000	268,000		
2.5.4	Solar	0	0	11,732	17,946		
2.5.5	Wind	-	-	-	-		
2.6	Other	-	-	-	-		

Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options

2.i	Owned Net Generation for the data year (MWh)						
2.1.i	Coal						
2.2.i	Natural Gas						
2.3.i	Nuclear						
2.4.i	Petroleum						
2.5.i	Total Renewable Energy Resources						
2.5.1.i	Biomass/Biogas						
2.5.2.i	Geothermal						

2.5.3.i	Hydroelectric					
2.5.4.i	Solar					
2.5.5.i	Wind					
2.6.i	Other					
2.ii	Purchased Net Generation for the data year (MWh)	609,000	482,000	619,000	TBD	Breakout by fuel source not readily available
2.1.ii	Coal					
2.2.ii	Natural Gas					
2.3.ii	Nuclear					
2.4.ii	Petroleum					
2.5.ii	Total Renewable Energy Resources					
2.5.1.ii	Biomass/Biogas					
2.5.2.ii	Geothermal					
2.5.3.ii	Hydroelectric					
2.5.4.ii	Solar					
2.5.5.ii	Wind					
2.6.ii	Other					
3	Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters					
3.1	Total Annual Capital Expenditures (nominal dollars)		\$1,107,000,000 - PPL Electric Utilities	\$1,134,000,000 - PPL Electric Utilities	\$1,202,000,000 - PPL Electric Utilities	2015 and 2016 Actuals - Capital Expenditure information for PPL Electric Utilities (PPL EU) and Louisville Gas & Electric and Kentucky Utilities (LKE) is reported in PPL Corporation's 2016 10-K: PPL EU, page 109; and LKE, page 115. Actuals for PPL EU and LKE are calculated using respective Cash Flows from Investing Activities table (Expenditures for property, plant and equipment + Expenditures for intangible assets= Capital Expenditures). Actuals for Western Power Distribution (WPD) are reported in PPL Corporation's 8-K (filed 2/17/17) located in the Cash Flows from Investing Activities table under the line item title "Expenditures for long-lived assets".
			1,210,000,000 - Louisville Gas & Electric and Kentucky Utilities	\$791,000,000 - Louisville Gas & Electric and Kentucky Utilities	\$1,107,000,000 - Louisville Gas & Electric and Kentucky Utilities	
			\$1,242,000,000 - Western Power Distribution	\$1,031,000,000 - Western Power Distribution	\$1,123,700,000 - Western Power Distribution	
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)		313,448 MWh	599,082 MWh	TBD	For details on EE measures, please see PPL's 2016 Corporate Sustainability Report.
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)		\$283,456,103	\$315,657,261	\$366,485,156	Include all costs associated with EE programs and incentives paid to customers. Note 2016 was the crossover from Phase 2 into Phase 3 for PPL Electric Utilities' Act 129 programs. (Phase 2 ended May 31, 2016). 2017 based on Q3 forecast.
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)		100% - PPL Electric Utilities (advanced meters)	100% - PPL Electric Utilities (advanced meters)	100% - PPL Electric Utilities (advanced meters)	All PPL EU customers have advanced meters and the utility has launched a meter replacement program. LKE is exploring plans to deploy advanced meters, subject to approval by the Kentucky Public Service Commission. In the U.K., the smart meter rollout is being managed by electricity suppliers. WPD is a distribution network operator.
4	Retail Electric Customer Count (at end of year)		10,484,486	10,536,607		For detailed information on PPL Corporation's customers, engagement and support programs, please refer to pages 55-64 of the 2016 PPL Corporation Sustainability Report at www.pplsustainability.com .
4.1	Commercial					*Please note: Customer count is presented as a total combined customer count for all PPL operating companies. Due to a different operating model, WPD counts end-users and does not differentiate from residential, commercial and industrial customers.
4.2	Industrial					
4.3	Residential					

Emissions

5	GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)					All owned (MW) generation data are based on net generation.
	<u>Note: The alternatives available below are intended to provide flexibility in reporting GHG emissions, and should be used to the extent appropriate for each company.</u>					

5.1	Owned Generation					
5.1.1	Carbon Dioxide (CO2)					
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	32,109,000	29,974,000	28,526,000	27,501,000	Based on 75% of Trimble County 1 and 2. Does not include OVEC and Bluegrass (these have been treated as Scope 2 GHG).
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.93	0.87	0.82	0.86	Based on 75% of Trimble County 1 and 2. Does not include OVEC and Bluegrass (these have been treated as Scope 2 GHG).
5.1.2	Carbon Dioxide Equivalent (CO2e)					
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	Not Tracked	30,220,000	28,784,000	Not Available	Based on 75% of Trimble County 1 and 2. Does not include OVEC and Bluegrass (these have been treated as Scope 2 GHG). Submittal not required in 2005. 2017 information is based on internal projections that have not been finalized for filing.
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	Not Tracked	0.87	0.83	Not Available	Emission Section 5.1.2.2 - LKE data based on Subpart C & D eGGRT submittals with 75% TC1 and 2. Submittal not required in 2005.
5.2	Purchased Power					
5.2.1	Carbon Dioxide (CO2)					
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)	543,000	4,573,000 *	4,731,000 **	Not Available	* Note: 2015 Data has been combined for Section 5.2.1.1 - actual for PPL EU is 4,177,384 (based on average carbon intensity for PJM) and actual for LKE is 395,828 (based on OVEC emissions and regional carbon intensity for market purchases - Tennessee Valley subregion). ** Note: 2016 Data has been combined for Section 5.2.1.1 - actual for PPL EU is 4,172,432 (based on average carbon intensity for PJM) and actual for LKE is 558,092 (based on OVEC emissions and regional carbon intensity for market purchases - Tennessee Valley subregion).
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.89	0.48 *	0.48 **	Not Available	* Note: 2015 Data has been combined for Section 5.2.1.2 - the intensity for PPL EU is 0.46 (based on average carbon intensity for PJM) and the intensity for LKE is 0.82 (based on OVEC emissions and regional carbon intensity for market purchases - Tennessee Valley subregion). ** Note: 2016 Data has been combined for Section 5.2.1.2 - The intensity for PPL EU is 0.45 (based on average carbon intensity for PJM) and intensity for LKE is 0.90 (based on OVEC emissions and regional carbon intensity for market purchases - Tennessee Valley subregion).
5.2.2	Carbon Dioxide Equivalent (CO2e)					
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	Not Tracked	4,573,000	4,731,000	Not Available	No additional greenhouse gas information other than CO2 see notes in Section 5.2.1.1
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	Not Tracked	0.48	0.48	Not Available	No additional greenhouse gas information other than CO2 see Section see notes in 5.2.1.2
5.3	Owned Generation + Purchased Power					
5.3.1	Carbon Dioxide (CO2)					
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)	32,652,000	34,547,000	33,257,000	Not Available	Emission Section 5.3.1.1 - data based on Sections 5.1.1.1 and 5.2.1.1 assumptions. * Note: 2015 Section 5.3.1.2 data includes combined Purchased Generation data for both PPL EU and LKE. ** Note: 2016 Section 5.3.1.2 data includes combined Purchased Generation data for both PPL EU and LKE.
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.93	0.78 *	0.74 **	Not Available	Emission Section 5.3.1.2 - data based on Sections 5.1.1.1 and 5.2.1.1 assumptions.
5.3.2	Carbon Dioxide Equivalent (CO2e)					
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	Not Tracked	34,793,000	33,515,000	Not Available	Emission Section 5.3.2.1 - data based on Sections 5.1.2.1 and 5.2.2.1 assumptions.
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	Not Tracked	0.99	0.94	Not Available	Emission Section 5.3.2.2 - data based on Sections 5.1.2.1 and 5.2.2.1 assumptions.
5.4	Non-Generation CO2e Emissions					
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride (MT)	67,778	78,709 *	75,064 **	81,245 ***	* Note: 2015 Data has been combined for Section 5.4.1 - actual for PPL EU is 14,850, actual for LKE is 55,195 and prorated data for WPD is 8,664. ** Note: 2016 Data has been combined for Section 5.4.1 - actual for PPL EU is 8,800, actual for LKE is 59,136 and prorated data for WPD is 7127.9. *** Note: 2017 Projected Data has been combined for Section 5.4.1 - estimate for PPL EU is 8,000, estimate for LKE is 70,640 and current prorated data for WPD is 2,605 LKE data based on Subpart DD eGGRT submittals.
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT)	Not Tracked	35,622	35,376	35,499	LKE data based on Subpart W eGGRT submittals. 2017 is average of 2015 and 2016 since emissions expected to be similar, but aren't currently available. Subpart W submittal not required in 2005.

6 Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)					
6.1 Generation basis for calculation	Total				
6.2 Nitrogen Oxide (NOx)					
6.2.1 Total NOx Emissions (MT)	39,839	22,365	18,386	16,627	
6.2.2 Total NOx Emissions Intensity (MT/Net MWh)	0.0011	0.0007	0.0005	0.0005	
6.3 Sulfur Dioxide (SO2)					
6.3.1 Total SO2 Emissions (MT)	145,421	40,817	17,206	13,901	
6.3.2 Total SO2 Emissions Intensity (MT/Net MWh)	0.0042	0.0012	0.0005	0.0004	
6.4 Mercury (Hg)					
6.4.1 Total Hg Emissions (kg)	561	230	70	76	
6.4.2 Total Hg Emissions Intensity (kg/Net MWh)	1.62E-05	6.79E-06	2.06E-06	2.39E-06	

Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the Emissions section notes

Resources

7 Human Resources					
7.1 Total Number of Employees		12,802	12,689		For more information on PPL's employee engagement, including training, workforce development and health and wellness initiatives, please see pages 65-73 of the 2016 PPL Corporation Sustainability Report at www.pplsustainability.com .
7.2 Total Number on Board of Directors/Trustees		9 *	9		*Note: 2015 data is effective 6/2015, post-Supply spin. For more information on PPL's Board of Directors, please see page 17 of the 2016 PPL Corporation Sustainability Report at www.pplsustainability.com .
7.3 Total Women on Board of Directors/Trustees		1	1		
7.4 Total Minorities on Board of Directors/Trustees		4	4		
7.5 Employee Safety Metrics					
7.5.1 Recordable Incident Rate		1.23	1.29		For more information on PPL's safety focus, please see pages 25-27 of the 2016 PPL Corporation Sustainability Report at www.pplsustainability.com .
7.5.2 Lost-time Case Rate		0.25	0.19		DART rate is for domestic companies only.
7.5.3 Days Away, Restricted, and Transfer (DART) Rate		1.70	1.25		
7.5.4 Work-related Fatalities		1	0		
8 Fresh Water Resources					
8.1 Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.00000385	0.00000305	0.00000172		
8.2 Water Withdrawals - Non-consumptive (Billions of Liters/Net MWh)	0.00003072	0.00002305	0.00001414		
9 Waste Products					
9.1 Percent of Non-hazardous Municipal Solid Waste Diverted		-	-		Non-hazardous municipal solid waste is not centrally tracked.
9.2 Percent of Coal Combustion Products Beneficially Used		32.4%	49.7%		Coal Combustion only applicable to LKE. For information on ash-use trends, please see page 39 of the 2016 PPL Corporation Sustainability Report.

Additional Metrics (Optional)

Insert additional rows in this section as necessary.