

# **DEP Exhibit 5**

## **Annualized Rates**

**Docket No. E-100, Sub 167**

**DUKE ENERGY PROGRESS, LLC**  
**Proposed Rates (Annualized)**  
**Uncontrolled Solar Generation**

Performance Adjustment Factor:

1.06

**INTERCONNECTED TO: DISTRIBUTION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates	
			Cents per KWH	10 Years	
			Cents per KWH	Cents per KWH	
1	Energy Credit	Summer Premium Peak	3.60	3.42	(a)1
2	Energy Credit	Summer PM Peak	2.67	2.89	(a)2
3	Energy Credit	Summer Off Peak	2.60	2.75	(a)3
4	Energy Credit	Winter Premium Peak	3.98	3.26	(a)4
5	Energy Credit	Winter AM Peak	1.93	2.90	(a)5
6	Energy Credit	Winter PM Peak	3.60	3.79	(a)6
7	Energy Credit	Winter Off Peak	2.52	2.99	(a)7
8	Energy Credit	Shoulder Peak	2.83	2.96	(a)8
9	Energy Credit	Shoulder Off Peak	2.05	2.15	(a)9
10					
11	Capacity Credit	Summer PM	0.00	0.00	(b)1
12	Capacity Credit	Winter AM	0.00	9.29	(b)2
13	Capacity Credit	Winter PM	0.00	3.98	(b)3
14					
15	Annualized Energy		2.54	2.72	
16	Annualized Capacity		0.00	0.55	
17	Annualized Total		2.54	3.27	

**INTERCONNECTED TO: TRANSMISSION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates	
			Cents per KWH	10 Years	
			Cents per KWH	Cents per KWH	
18	Energy Credit	Summer Premium Peak	3.49	3.32	(a)1
19	Energy Credit	Summer PM Peak	2.58	2.80	(a)2
20	Energy Credit	Summer Off Peak	2.56	2.70	(a)3
21	Energy Credit	Winter Premium Peak	3.87	3.17	(a)4
22	Energy Credit	Winter AM Peak	1.89	2.84	(a)5
23	Energy Credit	Winter PM Peak	3.51	3.70	(a)6
24	Energy Credit	Winter Off Peak	2.48	2.94	(a)7
25	Energy Credit	Shoulder Peak	2.79	2.92	(a)8
26	Energy Credit	Shoulder Off Peak	2.02	2.12	(a)9
27					
28	Capacity Credit	Summer PM	0.00	0.00	(b)1
29	Capacity Credit	Winter AM	0.00	9.09	(b)2
30	Capacity Credit	Winter PM	0.00	3.90	(b)3
31					
32	Annualized Energy		2.50	2.67	
33	Annualized Capacity		0.00	0.54	
34	Annualized Total		2.50	3.21	

**NOTE:** Calculation of Annualized Numbers

Annualized Energy  $((a1 * c1) + (a2 * c2) + (a3 * c3) + (a4 * c4) + (a5 * c5) + (a6 * c6) + (a7 * c7) + (a8 * c8) + (a9 * c9)) / (e)$

Annualized Capacity  $((b1 * d1) + (b2 * d2) + (b3 * d3)) / (e)$

Annualized Total (Annualized Energy + Annualized capacity)

	Energy			Capacity	
	Hours			Hours	
Summer Premium Peak	341	(c) 1	Summer PM	248	(d)1
Summer PM Peak	341	(c) 2	Winter AM	363	(d)2
Summer Off Peak	2,247	(c) 3	Winter PM	363	(d)3
Winter Premium Peak	187	(c) 4		974	
Winter AM Peak	249	(c) 5			
Winter PM Peak	249	(c) 6			
Winter Off Peak	1,475	(c) 7			
Shoulder Peak	1,158	(c) 8			
Shoulder Off Peak	2,514	(c) 9			
	8,760	(e)			

**DUKE ENERGY PROGRESS, LLC  
Proposed Rates (Annualized)  
Swine or Poultry Waste Generation**

Performance Adjustment Factor: 1.06

**INTERCONNECTED TO: DISTRIBUTION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates	
			Cents per KWH	10 Years	
1	Energy Credit	Summer Premium Peak	3.84	3.66	(a)1
2	Energy Credit	Summer PM Peak	2.91	3.13	(a)2
3	Energy Credit	Summer Off Peak	2.84	2.99	(a)3
4	Energy Credit	Winter Premium Peak	4.22	3.50	(a)4
5	Energy Credit	Winter AM Peak	2.17	3.14	(a)5
6	Energy Credit	Winter PM Peak	3.84	4.03	(a)6
7	Energy Credit	Winter Off Peak	2.76	3.23	(a)7
8	Energy Credit	Shoulder Peak	3.07	3.20	(a)8
9	Energy Credit	Shoulder Off Peak	2.29	2.39	(a)9
10					
11	Capacity Credit	Summer PM	0.00	0.00	(b)1
12	Capacity Credit	Winter AM	14.01	14.49	(b)2
13	Capacity Credit	Winter PM	6.00	6.21	(b)3
14					
15	Annualized Energy		2.78	2.96	
16	Annualized Capacity		0.83	0.86	
17	Annualized Total		3.61	3.82	

**INTERCONNECTED TO: TRANSMISSION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates	
			Cents per KWH	10 Years	
18	Energy Credit	Summer Premium Peak	3.73	3.56	(a)1
19	Energy Credit	Summer PM Peak	2.82	3.04	(a)2
20	Energy Credit	Summer Off Peak	2.80	2.94	(a)3
21	Energy Credit	Winter Premium Peak	4.11	3.41	(a)4
22	Energy Credit	Winter AM Peak	2.13	3.08	(a)5
23	Energy Credit	Winter PM Peak	3.75	3.94	(a)6
24	Energy Credit	Winter Off Peak	2.72	3.18	(a)7
25	Energy Credit	Shoulder Peak	3.03	3.16	(a)8
26	Energy Credit	Shoulder Off Peak	2.26	2.36	(a)9
27					
28	Capacity Credit	Summer PM	0.00	0.00	(b)1
29	Capacity Credit	Winter AM	13.71	14.18	(b)2
30	Capacity Credit	Winter PM	5.87	6.08	(b)3
31					
32	Annualized Energy		2.73	2.91	
33	Annualized Capacity		0.81	0.84	
34	Annualized Total		3.54	3.75	

**NOTE:** Calculation of Annualized Numbers

Annualized Energy  $((a1 * c1) + (a2 * c2) + (a3 * c3) + (a4 * c4) + (a5 * c5) + (a6 * c6) + (a7 * c7) + (a8 * c8) + (a9 * c9)) / (e)$

Annualized Capacity  $((b1 * d1) + (b2 * d2) + (b3 * d3)) / (e)$

Annualized Total (Annualized Energy + Annualized capacity)

	Energy Hours			Capacity Hours	
Summer Premium Peak	341	(c) 1	Summer PM	248	(d)1
Summer PM Peak	341	(c) 2	Winter AM	363	(d)2
Summer Off Peak	2,247	(c) 3	Winter PM	363	(d)3
Winter Premium Peak	187	(c) 4		974	
Winter AM Peak	249	(c) 5			
Winter PM Peak	249	(c) 6			
Winter Off Peak	1,475	(c) 7			
Shoulder Peak	1,158	(c) 8			
Shoulder Off Peak	2,514	(c) 9			
	8,760	(e)			

**DUKE ENERGY PROGRESS, LLC  
Proposed Rates (Annualized)**

**All but Swine or Poultry Waste Generation, Uncontrolled Solar Generation and Hydroelectric Generation without Storage**

Performance Adjustment Factor: 1.06

**INTERCONNECTED TO: DISTRIBUTION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates 10 Years	
			Cents per KWH	Cents per KWH	
1	Energy Credit	Summer Premium Peak	3.84	3.66	(a)1
2	Energy Credit	Summer PM Peak	2.91	3.13	(a)2
3	Energy Credit	Summer Off Peak	2.84	2.99	(a)3
4	Energy Credit	Winter Premium Peak	4.22	3.50	(a)4
5	Energy Credit	Winter AM Peak	2.17	3.14	(a)5
6	Energy Credit	Winter PM Peak	3.84	4.03	(a)6
7	Energy Credit	Winter Off Peak	2.76	3.23	(a)7
8	Energy Credit	Shoulder Peak	3.07	3.20	(a)8
9	Energy Credit	Shoulder Off Peak	2.29	2.39	(a)9
10					
11	Capacity Credit	Summer PM	0.00	0.00	(b)1
12	Capacity Credit	Winter AM	0.00	9.29	(b)2
13	Capacity Credit	Winter PM	0.00	3.98	(b)3
14					
15	Annualized Energy		2.78	2.96	
16	Annualized Capacity		0.00	0.55	
17	Annualized Total		2.78	3.51	

**INTERCONNECTED TO: TRANSMISSION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates 10 Years	
			Cents per KWH	Cents per KWH	
18	Energy Credit	Summer Premium Peak	3.73	3.56	(a)1
19	Energy Credit	Summer PM Peak	2.82	3.04	(a)2
20	Energy Credit	Summer Off Peak	2.80	2.94	(a)3
21	Energy Credit	Winter Premium Peak	4.11	3.41	(a)4
22	Energy Credit	Winter AM Peak	2.13	3.08	(a)5
23	Energy Credit	Winter PM Peak	3.75	3.94	(a)6
24	Energy Credit	Winter Off Peak	2.72	3.18	(a)7
25	Energy Credit	Shoulder Peak	3.03	3.16	(a)8
26	Energy Credit	Shoulder Off Peak	2.26	2.36	(a)9
27					
28	Capacity Credit	Summer PM	0.00	0.00	(b)1
29	Capacity Credit	Winter AM	0.00	9.09	(b)2
30	Capacity Credit	Winter PM	0.00	3.90	(b)3
31					
32	Annualized Energy		2.73	2.91	
33	Annualized Capacity		0.00	0.54	
34	Annualized Total		2.73	3.45	

**NOTE: Calculation of Annualized Numbers**

Annualized Energy  $((a1 * c1) + (a2 * c2) + (a3 * c3) + (a4 * c4) + (a5 * c5) + (a6 * c6) + (a7 * c7) + (a8 * c8) + (a9 * c9)) / (e)$

Annualized Capacity  $((b1 * d1) + (b2 * d2) + (b3 * d3)) / (e)$

Annualized Total (Annualized Energy + Annualized capacity)

	Energy Hours			Capacity Hours	
Summer Premium Peak	341	(c) 1	Summer PM	248	(d)1
Summer PM Peak	341	(c) 2	Winter AM	363	(d)2
Summer Off Peak	2,247	(c) 3	Winter PM	363	(d)3
Winter Premium Peak	187	(c) 4		974	
Winter AM Peak	249	(c) 5			
Winter PM Peak	249	(c) 6			
Winter Off Peak	1,475	(c) 7			
Shoulder Peak	1,158	(c) 8			
Shoulder Off Peak	2,514	(c) 9			
	8,760	(e)			

**DUKE ENERGY PROGRESS, LLC  
Proposed Rates (Annualized)  
Certain Hydroelectric Generation without Storage**

Performance Adjustment Factor: 2.00

**INTERCONNECTED TO: DISTRIBUTION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates 10 Years	
			Cents per KWH	Cents per KWH	
1	Energy Credit	Summer Premium Peak	3.84	3.66	(a)1
2	Energy Credit	Summer PM Peak	2.91	3.13	(a)2
3	Energy Credit	Summer Off Peak	2.84	2.99	(a)3
4	Energy Credit	Winter Premium Peak	4.22	3.50	(a)4
5	Energy Credit	Winter AM Peak	2.17	3.14	(a)5
6	Energy Credit	Winter PM Peak	3.84	4.03	(a)6
7	Energy Credit	Winter Off Peak	2.76	3.23	(a)7
8	Energy Credit	Shoulder Peak	3.07	3.20	(a)8
9	Energy Credit	Shoulder Off Peak	2.29	2.39	(a)9
10					
11	Capacity Credit	Summer PM	0.00	0.00	(b)1
12	Capacity Credit	Winter AM	26.43	27.34	(b)2
13	Capacity Credit	Winter PM	11.33	11.72	(b)3
14					
15	Annualized Energy		2.78	2.96	
16	Annualized Capacity		1.56	1.62	
17	Annualized Total		4.34	4.58	

**INTERCONNECTED TO: TRANSMISSION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates 10 Years	
			Cents per KWH	Cents per KWH	
18	Energy Credit	Summer Premium Peak	3.73	3.56	(a)1
19	Energy Credit	Summer PM Peak	2.82	3.04	(a)2
20	Energy Credit	Summer Off Peak	2.80	2.94	(a)3
21	Energy Credit	Winter Premium Peak	4.11	3.41	(a)4
22	Energy Credit	Winter AM Peak	2.13	3.08	(a)5
23	Energy Credit	Winter PM Peak	3.75	3.94	(a)6
24	Energy Credit	Winter Off Peak	2.72	3.18	(a)7
25	Energy Credit	Shoulder Peak	3.03	3.16	(a)8
26	Energy Credit	Shoulder Off Peak	2.26	2.36	(a)9
27					
28	Capacity Credit	Summer PM	0.00	0.00	(b)1
29	Capacity Credit	Winter AM	25.86	26.75	(b)2
30	Capacity Credit	Winter PM	11.08	11.46	(b)3
31					
32	Annualized Energy		2.73	2.91	
33	Annualized Capacity		1.53	1.58	
34	Annualized Total		4.26	4.49	

Note: For hydroelectric generation without storage where the Qualifying Facility renews a PPA that was in effect as of July 27, 2017.

Calculation of Annualized Numbers

Annualized Energy  $((a1 * c1) + (a2 * c2) + (a3 * c3) + (a4 * c4) + (a5 * c5) + (a6 * c6) + (a7 * c7) + (a8 * c8) + (a9 * c9)) / (e)$

Annualized Capacity  $((b1 * d1) + (b2 * d2) + (b3 * d3)) / (e)$

Annualized Total (Annualized Energy + Annualized capacity)

	Energy Hours			Capacity Hours	
Summer Premium Peak	341	(c) 1	Summer PM	248	(d)1
Summer PM Peak	341	(c) 2	Winter AM	363	(d)2
Summer Off Peak	2,247	(c) 3	Winter PM	363	(d)3
Winter Premium Peak	187	(c) 4		974	
Winter AM Peak	249	(c) 5			
Winter PM Peak	249	(c) 6			
Winter Off Peak	1,475	(c) 7			
Shoulder Peak	1,158	(c) 8			
Shoulder Off Peak	2,514	(c) 9			
	8,760	(e)			

**DUKE ENERGY PROGRESS, LLC**  
**Proposed Rates (Annualized)**  
**All Other Hydroelectric Generation without Storage**

Performance Adjustment Factor: 2.00

**INTERCONNECTED TO: DISTRIBUTION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates	
			Cents per KWH	10 Years	
1	Energy Credit	Summer Premium Peak	3.84	3.66	(a)1
2	Energy Credit	Summer PM Peak	2.91	3.13	(a)2
3	Energy Credit	Summer Off Peak	2.84	2.99	(a)3
4	Energy Credit	Winter Premium Peak	4.22	3.50	(a)4
5	Energy Credit	Winter AM Peak	2.17	3.14	(a)5
6	Energy Credit	Winter PM Peak	3.84	4.03	(a)6
7	Energy Credit	Winter Off Peak	2.76	3.23	(a)7
8	Energy Credit	Shoulder Peak	3.07	3.20	(a)8
9	Energy Credit	Shoulder Off Peak	2.29	2.39	(a)9
10					
11	Capacity Credit	Summer PM	0.00	0.00	(b)1
12	Capacity Credit	Winter AM	0.00	17.53	(b)2
13	Capacity Credit	Winter PM	0.00	7.51	(b)3
14					
15	Annualized Energy		2.78	2.96	
16	Annualized Capacity		0.00	1.04	
17	Annualized Total		2.78	4.00	

**INTERCONNECTED TO: TRANSMISSION SYSTEM**

Line No.	Description		Variable	Fixed	
			Rate	Long-Term Rates	
			Cents per KWH	10 Years	
18	Energy Credit	Summer Premium Peak	3.73	3.56	(a)1
19	Energy Credit	Summer PM Peak	2.82	3.04	(a)2
20	Energy Credit	Summer Off Peak	2.80	2.94	(a)3
21	Energy Credit	Winter Premium Peak	4.11	3.41	(a)4
22	Energy Credit	Winter AM Peak	2.13	3.08	(a)5
23	Energy Credit	Winter PM Peak	3.75	3.94	(a)6
24	Energy Credit	Winter Off Peak	2.72	3.18	(a)7
25	Energy Credit	Shoulder Peak	3.03	3.16	(a)8
26	Energy Credit	Shoulder Off Peak	2.26	2.36	(a)9
27					
28	Capacity Credit	Summer PM	0.00	0.00	(b)1
29	Capacity Credit	Winter AM	0.00	17.15	(b)2
30	Capacity Credit	Winter PM	0.00	7.35	(b)3
31					
32	Annualized Energy		2.73	2.91	
33	Annualized Capacity		0.00	1.02	
34	Annualized Total		2.73	3.93	

**NOTE:** Calculation of Annualized Numbers

Annualized Energy  $((a1 * c1) + (a2 * c2) + (a3 * c3) + (a4 * c4) + (a5 * c5) + (a6 * c6) + (a7 * c7) + (a8 * c8) + (a9 * c9)) / (e)$

Annualized Capacity  $((b1 * d1) + (b2 * d2) + (b3 * d3)) / (e)$

Annualized Total (Annualized Energy + Annualized capacity)

	Energy Hours			Capacity Hours	
Summer Premium Peak	341	(c) 1	Summer PM	248	(d)1
Summer PM Peak	341	(c) 2	Winter AM	363	(d)2
Summer Off Peak	2,247	(c) 3	Winter PM	363	(d)3
Winter Premium Peak	187	(c) 4		974	
Winter AM Peak	249	(c) 5			
Winter PM Peak	249	(c) 6			
Winter Off Peak	1,475	(c) 7			
Shoulder Peak	1,158	(c) 8			
Shoulder Off Peak	2,514	(c) 9			
	8,760	(e)			