

DEP Exhibit 12

DEP's New ESS Retrofit Avoided Cost Rates

Docket No. E-100, Sub 175

DUKE ENERGY PROGRESS, LLC
New ESS Retrofit Avoided Cost Rates
 Uncontrolled Solar

Remaining Years	<u>Interconnected to Distribution</u>									
	<u>2 Year</u>	<u>3 Year</u>	<u>4 Year</u>	<u>5 Year</u>	<u>6 Year</u>	<u>7 Year</u>	<u>8 Year</u>	<u>9 Year</u>	<u>10 Year</u>	
<u>Energy Credits (¢/kwh)</u>										
On-Peak kWh:										
a. Summer	3.53	3.41	3.35	3.32	3.28	3.28	3.42	3.55	3.66	
b. Winter										
1 Morning Hours	4.18	4.12	4.13	4.05	4.15	4.19	4.24	4.30	4.34	
2 Evening Hours	4.69	4.64	4.66	4.62	4.70	4.68	4.72	4.76	4.85	
c. Premium Peak										
1 Summer	3.90	3.73	3.68	3.65	3.63	3.63	3.77	3.86	3.95	
2 Winter	5.54	5.59	5.56	5.49	5.43	5.55	5.62	5.70	5.75	
d. Shoulder	3.66	3.56	3.50	3.48	3.45	3.43	3.54	3.61	3.68	
Off-Peak kWh:										
a. Summer	3.16	3.12	3.10	3.07	3.06	3.08	3.19	3.29	3.38	
b. Winter	3.91	3.84	3.71	3.71	3.71	3.73	3.79	3.84	3.91	
c. Shoulder	2.79	2.73	2.67	2.66	2.64	2.62	2.69	2.77	2.86	
<u>Capacity Credits (¢/kwh)</u>										
a. Winter	4.95	6.63	7.50	8.04	8.41	8.69	8.91	9.09	9.24	

New ESS Retrofit Avoided Cost Rates
 Uncontrolled Solar

Remaining Years	<u>Interconnected to Transmission</u>									
	<u>2 Year</u>	<u>3 Year</u>	<u>4 Year</u>	<u>5 Year</u>	<u>6 Year</u>	<u>7 Year</u>	<u>8 Year</u>	<u>9 Year</u>	<u>10 Year</u>	
<u>Energy Credits (¢/kwh)</u>										
On-Peak kWh:										
a. Summer	3.45	3.33	3.27	3.24	3.20	3.21	3.35	3.47	3.58	
b. Winter										
1 Morning Hours	4.11	4.05	4.06	3.98	4.08	4.12	4.17	4.23	4.27	
2 Evening Hours	4.60	4.56	4.58	4.54	4.62	4.60	4.64	4.68	4.77	
c. Premium Peak										
1 Summer	3.81	3.64	3.60	3.56	3.55	3.55	3.68	3.77	3.85	
2 Winter	5.41	5.46	5.43	5.37	5.31	5.43	5.50	5.57	5.62	
d. Shoulder	3.62	3.52	3.46	3.44	3.41	3.39	3.50	3.57	3.64	
Off-Peak kWh:										
a. Summer	3.12	3.08	3.06	3.03	3.02	3.04	3.15	3.25	3.34	
b. Winter	3.86	3.79	3.67	3.67	3.66	3.68	3.75	3.80	3.86	
c. Shoulder	2.76	2.70	2.65	2.63	2.61	2.59	2.67	2.75	2.84	
<u>Capacity Credits (¢/kwh)</u>										
a. Winter	4.88	6.53	7.38	7.91	8.28	8.56	8.77	8.95	9.10	

DUKE ENERGY PROGRESS, LLC
New ESS Retrofit Avoided Cost Rates
 Other than Uncontrolled Solar

Remaining Years	<u>Interconnected to Distribution</u>									
	<u>2 Year</u>	<u>3 Year</u>	<u>4 Year</u>	<u>5 Year</u>	<u>6 Year</u>	<u>7 Year</u>	<u>8 Year</u>	<u>9 Year</u>	<u>10 Year</u>	
<u>Energy Credits (¢/kwh)</u>										
On-Peak kWh:										
a. Summer	3.76	3.64	3.58	3.55	3.51	3.51	3.65	3.78	3.89	
b. Winter										
1 Morning Hours	4.41	4.35	4.36	4.28	4.38	4.42	4.47	4.53	4.57	
2 Evening Hours	4.92	4.87	4.89	4.85	4.93	4.91	4.95	4.99	5.08	
c. Premium Peak										
1 Summer	4.13	3.96	3.91	3.88	3.86	3.86	4.00	4.09	4.18	
2 Winter	5.77	5.82	5.79	5.72	5.66	5.78	5.85	5.93	5.98	
d. Shoulder	3.89	3.79	3.73	3.71	3.68	3.66	3.77	3.84	3.91	
Off-Peak kWh:										
a. Summer	3.39	3.35	3.33	3.30	3.29	3.31	3.42	3.52	3.61	
b. Winter	4.14	4.07	3.94	3.94	3.94	3.96	4.02	4.07	4.14	
c. Shoulder	3.02	2.96	2.90	2.89	2.87	2.85	2.92	3.00	3.09	
<u>Capacity Credits (¢/kwh)</u>										
a. Winter	4.95	6.63	7.50	8.04	8.41	8.69	8.91	9.09	9.24	

New ESS Retrofit Avoided Cost Rates
 Other than Uncontrolled Solar

Remaining Years	<u>Interconnected to Transmission</u>									
	<u>2 Year</u>	<u>3 Year</u>	<u>4 Year</u>	<u>5 Year</u>	<u>6 Year</u>	<u>7 Year</u>	<u>8 Year</u>	<u>9 Year</u>	<u>10 Year</u>	
<u>Energy Credits (¢/kwh)</u>										
On-Peak kWh:										
a. Summer	3.68	3.56	3.50	3.47	3.43	3.44	3.58	3.70	3.81	
b. Winter										
1 Morning Hours	4.34	4.28	4.29	4.21	4.31	4.35	4.40	4.46	4.50	
2 Evening Hours	4.83	4.79	4.81	4.77	4.85	4.83	4.87	4.91	5.00	
c. Premium Peak										
1 Summer	4.04	3.87	3.83	3.79	3.78	3.78	3.91	4.00	4.08	
2 Winter	5.64	5.69	5.66	5.60	5.54	5.66	5.73	5.80	5.85	
d. Shoulder	3.85	3.75	3.69	3.67	3.64	3.62	3.73	3.80	3.87	
Off-Peak kWh:										
a. Summer	3.35	3.31	3.29	3.26	3.25	3.27	3.38	3.48	3.57	
b. Winter	4.09	4.02	3.90	3.90	3.89	3.91	3.98	4.03	4.09	
c. Shoulder	2.99	2.93	2.88	2.86	2.84	2.82	2.90	2.98	3.07	
<u>Capacity Credits (¢/kwh)</u>										
a. Winter	4.88	6.53	7.38	7.91	8.28	8.56	8.77	8.95	9.10	