

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the BHP System without the Fall River 80 MW Solar and the BHP System including the Fall River 80 MW Solar Facility

Monthly Avoided Cost Calculation of 80 MW Solar Project	1/1/2019	2/1/2019	3/1/2019	4/1/2019	5/1/2019	6/1/2019	7/1/2019	8/1/2019	9/1/2019	10/1/2019	11/1/2019
Monthly Total Cost (\$000)											
BHP System without 80 MW Solar Addition (\$000)	2,432.63	2,196.73	2,111.87	2,210.00	1,871.73	1,909.68	2,167.24	2,305.03	1,796.46	2,003.94	1,870.68
BHP System with 80 MW Solar Addition(\$000)	2,432.63	2,196.73	2,111.87	2,210.00	1,871.73	1,909.68	2,167.24	2,305.03	1,796.46	2,003.94	1,870.68
Avoided Cost of 80 MW Solar Project (\$000)	-	-	-	-	-	-	-	-	-	-	-
Fall River 80 MW Solar Project Production (GWh)	-	-	-	-	-	-	-	-	-	-	-
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Avoided Cost Calculation of 80 MW Solar Project	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Annual Total Cost (\$000)											
BHP System without 80 MW Solar Addition (\$000)	\$ 25,260.02	\$ 24,872.94	\$ 25,195.56	\$ 30,009.08	\$ 34,180.41	\$ 40,262.27	\$ 40,976.19	\$ 40,919.31	\$ 41,786.26	\$ 42,812.97	\$ 40,886.29
BHP System with 80 MW Solar Addition (\$000)	\$ 25,260.02	\$ 24,870.68	\$ 20,988.71	\$ 28,009.45	\$ 32,634.74	\$ 37,630.11	\$ 38,307.06	\$ 38,116.57	\$ 39,206.47	\$ 39,848.60	\$ 37,686.01
Annual Avoided Cost of 80 MW Solar Project (\$000)	\$ -	\$ 2.26	\$ 4,206.84	\$ 1,999.64	\$ 1,545.67	\$ 2,632.16	\$ 2,669.13	\$ 2,802.73	\$ 2,579.79	\$ 2,964.36	\$ 3,200.27
Fall River 80 MW Solar Project (GWh)	0.00	0.08	188.98	188.03	187.09	186.71	185.22	184.30	183.38	182.99	181.56
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ -	\$ 28.22	\$ 22.26	\$ 10.63	\$ 8.26	\$ 14.10	\$ 14.41	\$ 15.21	\$ 14.07	\$ 16.20	\$ 17.63

Reduced
Firm Energy
Purchase

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	12/1/2019	1/1/2020	2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020	7/1/2020	8/1/2020	9/1/2020	10/1/2020
Monthly Total Cost (\$000)											
BHP System without 80 MW Solar Addition (\$000)	2,384.02	2,425.23	1,950.01	2,190.77	2,055.02	1,475.68	1,791.60	2,238.95	2,353.86	1,912.71	1,911.35
BHP System with 80 MW Solar Addition(\$000)	2,384.02	2,425.23	1,950.01	2,190.77	2,055.02	1,475.68	1,791.60	2,238.95	2,353.86	1,912.71	1,911.35
Avoided Cost of 80 MW Solar Project (\$000)	-	-	-	-	-	-	-	-	-	-	-
Fall River 80 MW Solar Project Production (GWh)	-	-	-	-	-	-	-	-	-	-	-
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Annual Avoided Cost Calculation of 80 MW Solar Project

	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Annual Total Cost (\$000)											
BHP System without 80 MW Solar Addition (\$000)	\$ 38,923.92	\$ 39,496.97	\$ 40,518.11	\$ 41,178.56	\$ 40,985.45	\$ 41,853.11	\$ 43,086.89	\$ 43,430.97	\$ 43,985.65	\$ 45,046.69	\$ 46,723.61
BHP System with 80 MW Solar Addition (\$000)	\$ 35,474.56	\$ 36,108.38	\$ 37,005.30	\$ 37,508.71	\$ 37,395.75	\$ 38,259.47	\$ 39,167.58	\$ 39,598.83	\$ 40,061.42	\$ 41,077.29	\$ 42,280.45
Annual Avoided Cost of 80 MW Solar Project (\$000)	\$ 3,449.36	\$ 3,388.59	\$ 3,512.81	\$ 3,669.85	\$ 3,589.71	\$ 3,593.64	\$ 3,919.31	\$ 3,832.14	\$ 3,924.23	\$ 3,969.40	\$ 4,443.16
Fall River 80 MW Solar Project (GWh)	180.64	179.74	179.37	177.95	177.05	176.17	175.82	174.40	173.55	172.68	172.31
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 19.10	\$ 18.85	\$ 19.58	\$ 20.62	\$ 20.28	\$ 20.40	\$ 22.29	\$ 21.97	\$ 22.61	\$ 22.99	\$ 25.79

Reduced Firm Energy Purchase Reduced Firm Energy Purchase

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021
Monthly Total Cost (\$000)										
BHP System without 80 MW Solar Addition (\$000)	1,893.00	2,674.77	2,648.60	2,166.30	1,732.09	2,021.19	1,788.26	1,757.82	2,314.66	2,382.57
BHP System with 80 MW Solar Addition(\$000)	1,893.00	2,672.51	2,436.06	1,931.54	1,506.55	1,680.87	1,505.14	1,298.04	1,460.65	1,710.17
Avoided Cost of 80 MW Solar Project (\$000)	-	2.26	212.54	234.76	225.54	340.32	283.12	459.78	854.00	672.40
Fall River 80 MW Solar Project Production (GWh)	-	0.08	7.52	10.45	15.46	18.52	20.53	24.34	25.00	22.61
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ -	\$ 28.22	\$ 28.27	\$ 22.48	\$ 14.59	\$ 18.38	\$ 13.79	\$ 18.89	\$ 34.16	\$ 29.74

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)
BHP System without 80 MW Solar Addition (\$000)
BHP System with 80 MW Solar Addition (\$000)
Annual Avoided Cost of 80 MW Solar Project (\$000)
Fall River 80 MW Solar Project (GWh)
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	7/1/2022	8/1/2022	9/1/2022	10/1/2022	11/1/2022	12/1/2022	1/1/2023	2/1/2023	3/1/2023	4/1/2023	5/1/2023
Monthly Total Cost (\$000)											
BHP System without 80 MW Solar Addition (\$000)	2,479.06	2,658.58	2,311.76	2,531.31	2,345.94	2,942.47	3,013.30	2,703.73	2,441.20	2,701.64	2,316.71
BHP System with 80 MW Solar Addition(\$000)	2,050.30	2,301.65	2,171.91	2,506.38	2,263.26	2,828.96	2,844.41	2,504.00	2,364.66	2,569.98	2,242.91
Avoided Cost of 80 MW Solar Project (\$000)	428.76	356.93	139.85	24.93	82.68	113.51	168.89	199.73	76.54	131.66	73.80
Fall River 80 MW Solar Project Production (GWh)	24.87	22.50	17.63	12.80	7.75	6.16	7.44	10.34	15.31	18.33	20.33
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 17.24	\$ 15.87	\$ 7.93	\$ 1.95	\$ 10.67	\$ 18.44	\$ 22.69	\$ 19.32	\$ 5.00	\$ 7.18	\$ 3.63

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	6/1/2023	7/1/2023	8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024
Monthly Total Cost (\$000)												
BHP System without 80 MW Solar Addition (\$000)	2,770.01	2,931.21	3,102.66	2,815.26	3,079.86	2,853.72	3,451.11	3,937.94	3,438.41	3,270.85	3,462.38	2,813.71
BHP System with 80 MW Solar Addition(\$000)	2,616.17	2,607.58	2,810.82	2,699.17	3,161.44	2,880.68	3,332.91	3,783.69	3,248.24	3,093.49	3,137.65	2,666.16
Avoided Cost of 80 MW Solar Project (\$000)	153.83	323.63	291.84	116.09	(81.58)	(26.96)	118.20	154.25	190.17	177.36	324.73	147.54
Fall River 80 MW Solar Project Production (GWh)	24.10	24.75	22.38	17.54	12.74	7.71	6.13	7.41	10.84	15.23	18.24	20.23
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 6.38	\$ 13.08	\$ 13.04	\$ 6.62	\$ (6.41)	\$ (3.50)	\$ 19.30	\$ 20.83	\$ 17.55	\$ 11.65	\$ 17.80	\$ 7.29

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	6/1/2024	7/1/2024	8/1/2024	9/1/2024	10/1/2024	11/1/2024	12/1/2024	1/1/2025	2/1/2025	3/1/2025	4/1/2025	5/1/2025	6/1/2025
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,043.36	3,479.12	3,605.71	3,084.38	3,076.32	3,103.68	3,946.41	4,016.81	3,552.84	3,589.50	3,253.00	2,839.09	3,095.60
BHP System with 80 MW Solar Addition(\$000)	2,843.91	3,041.82	3,128.62	2,868.36	3,023.59	2,998.62	3,795.94	3,864.96	3,335.93	3,261.37	3,134.07	2,693.90	2,917.79
Avoided Cost of 80 MW Solar Project (\$000)	199.45	437.30	477.09	216.02	52.73	105.06	150.46	151.84	216.91	328.13	118.93	145.19	177.81
Fall River 80 MW Solar Project Production (GWh)	23.98	24.63	22.27	17.45	12.67	7.67	6.10	7.37	10.24	15.15	18.15	20.13	23.86
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 8.32	\$ 17.76	\$ 21.42	\$ 12.38	\$ 4.16	\$ 13.70	\$ 24.69	\$ 20.60	\$ 21.19	\$ 21.66	\$ 6.55	\$ 7.21	\$ 7.45

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	7/1/2025	8/1/2025	9/1/2025	10/1/2025	11/1/2025	12/1/2025	1/1/2026	2/1/2026	3/1/2026	4/1/2026	5/1/2026	6/1/2026	7/1/2026
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,530.33	3,607.05	3,161.31	3,131.56	3,180.64	4,018.46	4,063.80	3,634.56	3,190.54	3,309.61	2,656.12	3,147.40	3,558.23
BHP System with 80 MW Solar Addition(\$000)	3,060.67	3,150.69	2,950.95	2,996.87	3,073.33	3,866.52	3,907.92	3,410.40	3,103.66	3,077.23	2,335.02	2,884.06	3,092.54
Avoided Cost of 80 MW Solar Project (\$000)	469.66	456.36	210.37	134.69	107.31	151.94	155.88	224.17	86.88	232.38	321.10	263.34	465.69
Fall River 80 MW Solar Project Production (GWh)	24.50	22.16	17.37	12.61	7.63	6.06	7.33	10.19	15.08	18.06	20.03	23.74	24.38
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 19.17	\$ 20.59	\$ 12.11	\$ 10.68	\$ 14.06	\$ 25.06	\$ 21.26	\$ 22.01	\$ 5.76	\$ 12.87	\$ 16.03	\$ 11.09	\$ 19.10

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	8/1/2026	9/1/2026	10/1/2026	11/1/2026	12/1/2026	1/1/2027	2/1/2027	3/1/2027	4/1/2027	5/1/2027	6/1/2027	7/1/2027	8/1/2027
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,670.12	3,193.58	3,191.58	3,261.21	4,042.56	4,123.82	3,692.48	3,439.35	3,181.18	2,969.54	3,194.54	3,655.04	3,675.96
BHP System with 80 MW Solar Addition(\$000)	3,222.26	2,951.15	3,078.63	3,170.85	3,882.87	3,961.80	3,454.91	3,283.67	3,009.21	2,871.44	3,013.70	3,139.13	3,236.99
Avoided Cost of 80 MW Solar Project (\$000)	447.86	242.43	112.95	90.36	159.69	162.02	237.57	155.68	171.97	98.11	180.83	515.91	438.97
Fall River 80 MW Solar Project Production (GWh)	22.05	17.28	12.55	7.59	6.03	7.30	10.14	15.00	17.97	19.93	23.62	24.26	21.94
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 20.31	\$ 14.03	\$ 9.00	\$ 11.90	\$ 26.46	\$ 22.21	\$ 23.44	\$ 10.38	\$ 9.57	\$ 4.92	\$ 7.66	\$ 21.27	\$ 20.01

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	9/1/2027	10/1/2027	11/1/2027	12/1/2027	1/1/2028	2/1/2028	3/1/2028	4/1/2028	5/1/2028	6/1/2028	7/1/2028	8/1/2028	9/1/2028
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,244.95	3,235.45	3,287.15	4,086.82	4,181.47	3,677.57	3,764.20	3,730.93	3,005.75	3,233.18	3,732.20	3,819.14	3,322.67
BHP System with 80 MW Solar Addition(\$000)	2,978.15	3,136.11	3,185.08	3,936.28	4,018.13	3,460.38	3,498.39	3,327.88	2,915.69	2,947.28	3,312.42	3,343.29	3,057.21
Avoided Cost of 80 MW Solar Project (\$000)	266.80	99.34	102.07	150.54	163.35	217.19	265.81	403.05	90.06	285.90	419.78	475.85	265.46
Fall River 80 MW Solar Project Production (GWh)	17.19	12.48	7.56	6.00	7.26	10.62	14.93	17.88	19.83	23.50	24.14	21.83	17.11
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 15.52	\$ 7.96	\$ 13.51	\$ 25.07	\$ 22.50	\$ 20.45	\$ 17.81	\$ 22.54	\$ 4.54	\$ 12.17	\$ 17.39	\$ 21.80	\$ 15.52

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	10/1/2028	11/1/2028	12/1/2028	1/1/2029	2/1/2029	3/1/2029	4/1/2029	5/1/2029	6/1/2029	7/1/2029	8/1/2029	9/1/2029	10/1/2029
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,125.00	3,184.44	4,036.44	4,033.49	3,677.22	3,205.10	3,152.14	2,917.67	3,156.90	3,732.19	3,779.94	3,281.05	3,205.59
BHP System with 80 MW Solar Addition(\$000)	3,009.43	3,085.62	3,872.90	3,859.26	3,431.44	3,012.73	2,949.24	2,733.28	2,866.76	3,242.90	3,267.32	2,978.62	2,917.43
Avoided Cost of 80 MW Solar Project (\$000)	115.57	98.82	163.54	174.23	245.78	192.37	202.90	184.40	290.14	489.29	512.62	302.43	288.16
Fall River 80 MW Solar Project Production (GWh)	12.42	7.52	5.97	7.22	10.04	14.85	17.79	19.73	23.39	24.02	21.72	17.02	12.36
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 9.30	\$ 13.14	\$ 27.38	\$ 24.12	\$ 24.49	\$ 12.95	\$ 11.41	\$ 9.35	\$ 12.41	\$ 20.37	\$ 23.60	\$ 17.77	\$ 23.31

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	11/1/2029	12/1/2029	1/1/2030	2/1/2030	3/1/2030	4/1/2030	5/1/2030	6/1/2030	7/1/2030	8/1/2030	9/1/2030	10/1/2030	11/1/2030
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	2,971.37	3,773.62	3,695.42	3,499.23	2,905.87	2,913.81	2,833.88	2,962.92	3,636.35	3,708.92	3,104.25	2,873.20	2,972.06
BHP System with 80 MW Solar Addition(\$000)	2,829.07	3,597.96	3,500.30	3,221.89	2,682.06	2,663.55	2,429.01	2,665.11	3,140.14	3,152.25	2,829.23	2,712.04	2,837.66
Avoided Cost of 80 MW Solar Project (\$000)	142.29	175.67	195.12	277.34	223.82	250.26	404.87	297.81	496.21	556.67	275.02	161.16	134.40
Fall River 80 MW Solar Project Production (GWh)	7.48	5.94	7.19	9.98	14.78	17.70	19.63	23.27	23.90	21.61	16.94	12.30	7.44
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 19.02	\$ 29.55	\$ 27.15	\$ 27.78	\$ 15.15	\$ 14.14	\$ 20.63	\$ 12.80	\$ 20.77	\$ 25.76	\$ 16.24	\$ 13.10	\$ 18.06

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	12/1/2030	1/1/2031	2/1/2031	3/1/2031	4/1/2031	5/1/2031	6/1/2031	7/1/2031	8/1/2031	9/1/2031	10/1/2031	11/1/2031	12/1/2031
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,818.02	3,716.33	3,511.44	2,951.68	3,145.17	2,752.20	3,008.99	3,705.21	3,769.82	3,147.95	2,908.68	3,016.26	3,863.24
BHP System with 80 MW Solar Addition(\$000)	3,641.32	3,511.93	3,252.66	2,738.82	2,792.77	2,575.77	2,670.45	3,163.58	3,219.94	2,848.10	2,768.40	2,878.57	3,687.40
Avoided Cost of 80 MW Solar Project (\$000)	176.69	204.40	258.78	212.86	352.41	176.43	338.54	541.64	549.88	299.85	140.28	137.69	175.85
Fall River 80 MW Solar Project Production (GWh)	5.91	7.15	9.93	14.70	17.61	19.53	23.15	23.78	21.50	16.85	12.24	7.41	5.88
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 29.88	\$ 28.58	\$ 26.05	\$ 14.48	\$ 20.01	\$ 9.03	\$ 14.62	\$ 22.78	\$ 25.57	\$ 17.79	\$ 11.46	\$ 18.59	\$ 29.89

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	1/1/2032	2/1/2032	3/1/2032	4/1/2032	5/1/2032	6/1/2032	7/1/2032	8/1/2032	9/1/2032	10/1/2032	11/1/2032	12/1/2032	1/1/2033
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,789.26	3,444.86	3,737.62	3,168.57	2,788.63	3,042.98	3,717.92	3,725.31	3,200.85	2,951.63	3,058.80	3,891.70	3,819.97
BHP System with 80 MW Solar Addition(\$000)	3,581.59	3,211.84	3,345.57	2,856.87	2,599.04	2,754.92	3,171.98	3,194.79	2,884.12	2,773.62	2,917.61	3,713.35	3,611.67
Avoided Cost of 80 MW Solar Project (\$000)	207.67	233.02	392.05	311.70	189.58	288.06	545.94	530.52	316.73	178.01	141.20	178.35	208.31
Fall River 80 MW Solar Project Production (GWh)	7.12	10.41	14.63	17.52	19.43	23.04	23.66	21.40	16.77	12.18	7.37	5.86	7.08
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 29.18	\$ 22.38	\$ 26.80	\$ 17.79	\$ 9.76	\$ 12.51	\$ 23.08	\$ 24.80	\$ 18.89	\$ 14.62	\$ 19.16	\$ 30.46	\$ 29.42

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	2/1/2033	3/1/2033	4/1/2033	5/1/2033	6/1/2033	7/1/2033	8/1/2033	9/1/2033	10/1/2033	11/1/2033	12/1/2033	1/1/2034	2/1/2034
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,623.15	3,050.65	3,697.01	2,886.53	3,075.88	3,807.68	3,852.17	3,293.33	3,013.05	3,106.16	3,952.98	3,898.04	3,675.98
BHP System with 80 MW Solar Addition(\$000)	3,338.47	2,822.65	3,179.96	2,701.60	2,764.57	3,249.25	3,311.45	2,954.17	2,833.39	2,969.51	3,772.02	3,687.95	3,400.87
Avoided Cost of 80 MW Solar Project (\$000)	284.68	228.01	517.06	184.93	311.31	558.43	540.72	339.16	179.66	136.65	180.95	210.09	275.11
Fall River 80 MW Solar Project Production (GWh)	9.84	14.56	17.44	19.34	22.92	23.54	21.29	16.68	12.11	7.33	5.83	7.04	9.79
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 28.95	\$ 15.66	\$ 29.65	\$ 9.56	\$ 13.58	\$ 23.72	\$ 25.40	\$ 20.33	\$ 14.83	\$ 18.64	\$ 31.06	\$ 29.83	\$ 28.11

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	3/1/2034	4/1/2034	5/1/2034	6/1/2034	7/1/2034	8/1/2034	9/1/2034	10/1/2034	11/1/2034	12/1/2034	1/1/2035	2/1/2035	3/1/2035
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,320.74	3,068.25	2,642.08	3,125.87	3,860.55	3,855.40	3,318.05	3,053.07	3,175.18	3,992.26	3,965.90	3,729.09	3,331.33
BHP System with 80 MW Solar Addition(\$000)	3,105.55	2,806.92	2,224.06	2,752.88	3,389.89	3,318.44	2,997.08	2,857.97	3,036.43	3,817.70	3,750.82	3,455.59	3,022.65
Avoided Cost of 80 MW Solar Project (\$000)	215.19	261.33	418.02	372.99	470.66	536.96	320.96	195.10	138.74	174.56	215.08	273.50	308.69
Fall River 80 MW Solar Project Production (GWh)	14.48	17.35	19.24	22.80	23.42	21.18	16.60	12.05	7.30	5.80	7.01	9.74	14.41
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 14.86	\$ 15.06	\$ 21.73	\$ 16.36	\$ 20.10	\$ 25.35	\$ 19.34	\$ 16.19	\$ 19.02	\$ 30.12	\$ 30.68	\$ 28.09	\$ 21.42

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	4/1/2035	5/1/2035	6/1/2035	7/1/2035	8/1/2035	9/1/2035	10/1/2035	11/1/2035	12/1/2035	1/1/2036	2/1/2036	3/1/2036	4/1/2036
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,116.51	2,928.94	3,178.29	3,901.19	3,912.93	3,367.62	3,090.38	3,255.22	4,075.71	4,025.04	3,635.01	3,422.16	3,705.05
BHP System with 80 MW Solar Addition(\$000)	2,812.22	2,727.64	2,821.67	3,396.41	3,360.44	3,029.82	2,879.52	3,105.33	3,897.37	3,820.60	3,387.23	3,092.62	3,213.87
Avoided Cost of 80 MW Solar Project (\$000)	304.29	201.30	356.62	504.78	552.50	337.81	210.86	149.89	178.34	204.43	247.78	329.54	491.18
Fall River 80 MW Solar Project Production (GWh)	17.26	19.14	22.69	23.30	21.08	16.52	11.99	7.26	5.77	6.98	10.21	14.34	17.18
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 17.63	\$ 10.52	\$ 15.72	\$ 21.66	\$ 26.21	\$ 20.45	\$ 17.58	\$ 20.65	\$ 30.92	\$ 29.31	\$ 24.28	\$ 22.98	\$ 28.60

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	5/1/2036	6/1/2036	7/1/2036	8/1/2036	9/1/2036	10/1/2036	11/1/2036	12/1/2036	1/1/2037	2/1/2037	3/1/2037	4/1/2037	5/1/2037
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	2,944.66	3,240.90	3,952.47	3,968.45	3,417.99	3,373.13	3,268.52	4,133.53	4,109.73	3,847.33	3,244.49	3,212.03	3,178.44
BHP System with 80 MW Solar Addition(\$000)	2,706.36	2,869.30	3,391.53	3,417.64	3,087.81	3,116.78	3,114.44	3,949.41	3,883.84	3,558.05	3,012.82	3,000.99	2,773.55
Avoided Cost of 80 MW Solar Project (\$000)	238.31	371.60	560.94	550.81	330.18	256.35	154.08	184.12	225.88	289.27	231.68	211.05	404.88
Fall River 80 MW Solar Project Production (GWh)	19.05	22.58	23.19	20.97	16.44	11.93	7.22	5.74	6.94	9.64	14.27	17.09	18.95
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 12.51	\$ 16.46	\$ 24.19	\$ 26.26	\$ 20.09	\$ 21.48	\$ 21.33	\$ 32.08	\$ 32.55	\$ 30.01	\$ 16.24	\$ 12.35	\$ 21.37

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)

BHP System without 80 MW Solar Addition (\$000)

BHP System with 80 MW Solar Addition (\$000)

Annual Avoided Cost of 80 MW Solar Project (\$000)

Fall River 80 MW Solar Project (GWh)

Annual Avoided Cost of 80 MW Solar Project (\$/MWh)

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	6/1/2037	7/1/2037	8/1/2037	9/1/2037	10/1/2037	11/1/2037	12/1/2037	1/1/2038	2/1/2038	3/1/2038	4/1/2038	5/1/2038	6/1/2038
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	3,452.14	4,022.41	4,144.91	3,469.73	3,209.39	3,320.00	4,220.39	4,189.49	3,903.17	3,303.67	3,524.97	2,946.91	3,355.71
BHP System with 80 MW Solar Addition(\$000)	2,977.02	3,487.42	3,567.46	3,123.77	2,998.45	3,188.13	4,027.32	3,956.58	3,613.19	3,057.20	3,197.56	2,625.64	2,977.38
Avoided Cost of 80 MW Solar Project (\$000)	475.11	534.99	577.45	345.96	210.93	131.86	193.07	232.91	289.98	246.47	327.41	321.27	378.33
Fall River 80 MW Solar Project Production (GWh)	22.46	23.07	20.87	16.35	11.87	7.19	5.71	6.91	9.59	14.20	17.01	18.86	22.35
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 21.15	\$ 23.19	\$ 27.68	\$ 21.16	\$ 17.77	\$ 18.35	\$ 33.81	\$ 33.73	\$ 30.23	\$ 17.36	\$ 19.25	\$ 17.04	\$ 16.93

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	7/1/2038	8/1/2038	9/1/2038	10/1/2038	11/1/2038	12/1/2038	1/1/2039	2/1/2039	3/1/2039	4/1/2039	5/1/2039	6/1/2039	7/1/2039
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	4,107.22	4,214.81	3,536.62	3,275.28	3,366.02	4,261.78	4,244.15	3,975.57	3,607.85	3,298.48	3,101.84	3,384.08	4,409.26
BHP System with 80 MW Solar Addition(\$000)	3,522.26	3,591.19	3,175.89	3,058.76	3,211.06	4,074.71	4,011.40	3,665.11	3,347.90	2,948.00	2,948.91	2,999.50	3,639.94
Avoided Cost of 80 MW Solar Project (\$000)	584.95	623.62	360.74	216.53	154.96	187.07	232.76	310.46	259.95	350.48	152.93	384.58	769.32
Fall River 80 MW Solar Project Production (GWh)	22.96	20.76	16.27	11.82	7.15	5.68	6.87	9.54	14.13	16.92	18.76	22.24	22.84
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 25.48	\$ 30.03	\$ 22.17	\$ 18.33	\$ 21.67	\$ 32.92	\$ 33.88	\$ 32.53	\$ 18.40	\$ 20.71	\$ 8.15	\$ 17.29	\$ 33.68

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project

	8/1/2039	9/1/2039	10/1/2039	11/1/2039	12/1/2039	1/1/2040	2/1/2040	3/1/2040	4/1/2040	5/1/2040	6/1/2040	7/1/2040	8/1/2040
Monthly Total Cost (\$000)													
BHP System without 80 MW Solar Addition (\$000)	4,335.39	3,529.82	3,341.07	3,463.50	4,355.67	4,329.43	3,947.97	3,682.83	4,353.62	3,141.26	3,477.71	4,513.59	4,358.87
BHP System with 80 MW Solar Addition(\$000)	3,706.38	3,210.14	3,132.61	3,295.82	4,171.57	4,090.12	3,662.73	3,330.48	3,781.19	2,861.24	3,047.21	3,735.98	3,704.42
Avoided Cost of 80 MW Solar Project (\$000)	629.01	319.68	208.46	167.68	184.10	239.30	285.24	352.35	572.44	280.02	430.50	777.61	654.45
Fall River 80 MW Solar Project Production (GWh)	20.66	16.19	11.76	7.12	5.65	6.84	10.00	14.05	16.83	18.67	22.13	22.73	20.55
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 30.45	\$ 19.75	\$ 17.73	\$ 23.57	\$ 32.57	\$ 35.01	\$ 28.52	\$ 25.07	\$ 34.00	\$ 15.00	\$ 19.46	\$ 34.22	\$ 31.84

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	

**2019-2040 BHP Avoided Cost for Fall River 80 MW Solar Project
Avoided Cost Calculations**

Avoid Cost Calculation - Difference in total system cost between the f

Monthly Avoided Cost Calculation of 80 MW Solar Project	9/1/2040	10/1/2040	11/1/2040	12/1/2040
Monthly Total Cost (\$000)				
BHP System without 80 MW Solar Addition (\$000)	3,588.34	3,396.95	3,504.80	4,428.23
BHP System with 80 MW Solar Addition(\$000)	3,306.86	3,173.36	3,347.21	4,239.65
Avoided Cost of 80 MW Solar Project (\$000)	281.48	223.59	157.59	188.58
Fall River 80 MW Solar Project Production (GWh)	16.11	11.70	7.08	5.63
Monthly Avoided Cost of 80 MW Solar Project (\$/MWh)	\$ 17.48	\$ 19.12	\$ 22.26	\$ 33.53

Annual Avoided Cost Calculation of 80 MW Solar Project

Annual Total Cost (\$000)	
BHP System without 80 MW Solar Addition (\$000)	
BHP System with 80 MW Solar Addition (\$000)	
Annual Avoided Cost of 80 MW Solar Project (\$000)	
Fall River 80 MW Solar Project (GWh)	
Annual Avoided Cost of 80 MW Solar Project (\$/MWh)	