## Estimated Rate and Customer Bill Impact of the NJBPU 20% RPS by 2020 with a 1500 MW Estimated Rate and Customer Bill Impact of the NJBPU 20% RPS by 2020 with a 1500 MW solar set Estimated Rate and Customer Bill Impact of the NJBPU 20% RPS by 2020 with a 1500 MW solar set aside Comparison of Upfront Financing Model of Rebates and SREC with a Full SREC Comparison of Upfront Financing Model of Rebates and SREC with a Full SREC Financing Model Comparison of Upfront Financing Model of Rebates and SREC with a Full SREC Financing Model Financing Model RESIDENT COMMERCIAL INDUSTRIAL BILL Cost/ BILL REC Class 1 REC Class 2 REC Price\* Price\* Price\* Solar ACP Price\*\* ACP Cost/ PERCENT industrial Best ACP Cost/ NCREASE Guess industrial Class 2 % reg'd ERCENT Cost/ resident - resident - resident - CREASE Best auess ACP\*\*\* 0.137% 2,562,000 \$200 \$15.00 0.197% \$14.76 719,556 0.017% 12,444 9.47 1.000% \$2.50 \$300.00 \$50.00 \$2.50 \$0.00003 \$0.000063 \$0.00024 2006 0.216% \$1.76 \$3.91 \$44.12 0.219% \$170.36 2006 73,200,000 1.09% 2.50% 1,830,000 0.98% \$0.00015 \$509.36 \$0.00029 0.81% 1.96% 1,449,432 26,568 20.22 2.003% 3,321,000 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 2007 .380% \$3.09 \$7.85 0.399% \$29.82 \$88.66 0.443% \$344.20 \$1,023.41 1.07% 1,865,000 2.92% 2,181,304 0.082% 56,696 43.15 3.006% 4,103,000 \$200 \$15.00 \$2.50 \$350.00 \$50.00 \$2.50 \$0.00015 \$0.00044 \$0.000063 \$0.00065 0.579% 0.642% \$48.04 0.714% \$554.52 \$1,622.43 2008 74,600,000 2.50% 2008 \$4.70 \$12.44 \$140.55 2,895,360 2010 76,100,000 0.92% 2.50% 1,902,500 4.685% 3,565,285 0.221% 168,000 140 4.906% 5,635,785 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00070 \$0.000063 \$0.00121 2010 1.070% \$8.69 \$21.63 1.244% \$93.07 \$244.40 1.384% \$1,074.36 \$2,821.21 2011 76,800,000 0.91% 2.50% 1,920,000 5,492% 4,217,856 0,305% 234,000 195 5,797% 6.371.856 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00061 \$0.00082 \$0.000063 \$0.00150 2011 1.326% \$10.77 \$26.35 1.559% \$116.57 \$297.69 1.733% \$1.345.61 \$3.436.45 2012 77,600,000 6.320% 255 6.714% 7,150,320 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00095 20012 1.595% \$12.95 \$31.27 1.889% \$141.25 \$353.24 2.100% \$1,630.56 \$4,077.65 1,960,000 2013 78,400,000 1.02% 2.50% 7.143% 5,600,112 0.497% 390,000 325 7.640% 7,950,112 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00099 \$0.00107 \$0.000063 \$0.00213 2013 1.887% \$15.33 \$36.46 2.247% \$168.07 \$411.87 2.499% \$1,940.10 \$4,754.47 1.01% 7.977% 410 8,789,784 \$200 \$300.00 \$50.00 \$2.50 2014 2.218% \$18.01 \$42.14 2.653% \$198.38 \$475.99 2.949% \$2,289.96 \$5,494.59 2014 79,200,000 2.50% 1,980,000 6,317,784 0.621% 492,000 8.598% \$15.00 \$2.50 \$0.00124 \$0.00120 \$0.000063 \$0.00250 2015 80.000.000 1.00% 2.50% 2,000,000 8.807% 7,045,600 0.765% 612,000 510 9.572% 9,657,600 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00153 \$0.00132 \$0.000063 \$0.00291 2015 2.583% \$20.98 \$48.23 3.101% \$231.89 \$544.83 3.447% \$2,676.86 \$6,289.25 2016 80,800,000 0.99% 2,020,000 9.649% 7,796,392 0.928% 750,000 625 10.577% 10,566,392 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00186 \$0.00145 \$0.000063 \$0.00337 2016 2.984% \$24.24 \$54.79 3.593% \$268.72 \$618.90 3.995% \$3,101.94 \$7,144.26 2017 81.600.000 0.98% 2.50% 2,040,000 10.485% 8,555,760 1.118% 912,000 760 11.603% 11,507,760 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00224 \$0.00157 \$0.000063 \$0.00387 2017 3.431% \$27.87 \$61.89 4.141% \$309.73 \$699.12 4.605% \$3,575.39 \$8,070.29 2,060,000 12.325% 10,155,800 1.333% 1,098,000 915 13.658% 13,313,800 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00267 2018 4.057% \$32.95 \$73.15 4.909% \$367.13 \$826.38 5.458% \$4,238.02 \$9,539.33 2018 82,400,000 0.97% 2.50% \$0.00185 \$0.000063 \$0.00458 \$0.00533 0.96% 2.50% 1.572% 1,308,000 1090 15.747% 15,181,600 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00314 \$0.00213 \$0.000063 2019 .728% \$38.40 \$84.99 5.732% \$428.68 \$960.08 6.373% \$4,948.48 \$11,082.68 2020 84,000,000 0.95% 2.50% 2,100,000 16.029% 13,464,360 1.836% 1,542,000 1285 17.865% 17,106,360 \$200 \$15.00 \$2.50 \$300.00 \$50.00 \$2.50 \$0.00367 2020 5.442% \$97.36 6.608% \$494.18 \$1,099.80 7.347% \$5,704.57 \$12,695.52 \$0.00240 \$0.000063 \$0.00614 \$44.20 20.000% 19,102,500 \$200 \$300.00 \$50.00

RE Task Force revisions 2004	CEEEP ED Revisions 2006	Actuals

This simplicitic analysis is designed to actimate the maximum rate impact from the changes to the MSP that are evidenced in the dotted fill in modification of the 10 MSP of the second of the 10 MSP of the MSP

	Jersey ustomers		avg. kWh/mo	rate (c/kWh)	monthly bill
R	3,204,881		661	10.24	67.6
n.	418.567		6.778	9.19	623.2
Ĭ.	13,170	431,737	78.242	8.27	6.470.5
			661	0.1168	\$77.2
	25,421,116,092	35.39015099	7,932	812.2368	
	34,044,565,512	47.39533502	81,336	7474.7784	
	12,365,365,680	17.21451398	938,904	77647.3608	
	71,831,047,284	100			
	0.001728027	13.69279771	13.70671136	1.141646212	
		140.4081436	140.5508164	11.70662333	
		1620.804658	1622,451604	135.1356776	

2009	90	50	140
10	140	55	195
11	195	60	255
12	255	70	325
13	325	85	410
14	410	100	510
15	510	115	625
16	625	135	760
17	760	155	915
18	915	175	1090
19	1090	195	1285
20	1285	215	1500
21	1500		
		Value of the R	
		C1 & Sol	C1 C2 Sol
	2004	59,122,400	\$13,647,400
	2008	\$67,558,400	\$72,270,900
	2020	\$587,700,000	\$593,006,250
	_		
		Value of the A	
		C1 & Sol	C1 C2 Sol
	2004	\$28,960,000	\$33,485,000
	2008	\$180,950,000	\$185,672,500
	2020	\$1,299,000,000	\$1,304,306,250
	_		
		Value of the Sola	r RFC
	_		
	2004		\$1,086,000
	2008		\$24,128,000
	2020		\$360,000,000
		Value of the Sola	r ACP
		Value of the Sola	
	2004	Value of the Sola	s2.172.000 s36.192.000



SREC Financing Mod	del Cost
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	RESIDE	NT			COMMERC	TAL			INDUSTR	IAL		Total SF	EC Cost
Total Cost REC and SREC	Total Cost ACP and SACP	Total Cost SREC	Total Cost SACP	Total Cost REC and SREC	Total Cost ACP and SACP	Total Cost SREC	Total Cost SACP	Total Cost REC and SREC	Total Cost ACP and SACP	Total Cost SREC	Total Cost SACP	For all Customers	With Interest and 10 vear Pavback period
\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/year	\$/yr	\$/yr
\$4,349,664	\$9,230,057.28	\$346,127.15		\$4,289,615	\$13,617,826	\$510,668		\$1,558,036	\$4,946,146	\$185,480		\$1,042,276	
\$5,629,181	\$12,518,265	\$784,555		\$6,177,386	\$18,469,177	\$1,157,515		\$2,243,696	\$6,708,211	\$420,422		\$2,362,493	\$2,883,631
\$9,901,544	\$25,151,906	\$1,661,410		\$12,480,738	\$37,108,576	\$2,451,209		\$4,533,143	\$13,478,249	\$890,306		\$5,002,925	\$6,184,172
\$15,070,376	\$39,873,847	\$3,507,422		\$20,106,720	\$58,829,009	\$5,174,774		\$7,302,985	\$21,367,352	\$1,879,536		\$10,561,731	\$13,063,194
\$22,117,525	\$55,380,344	\$7,384,046		\$30,503,931	\$81,706,957	\$10,894,261		\$11,079,368	\$29,676,878	\$3,956,917		\$22,235,224	\$27,516,089
\$27,846,490	\$69,335,878	\$10,188,237		\$38,956,322	\$102,296,650	\$15,031,503		\$14,149,370	\$37,155,283	\$5,459,610		\$30,679,350	\$41,796,961
\$34,512,915	\$84,456,466	\$14,061,415		\$48,791,820	\$124,605,238	\$20,745,907		\$17,721,733	\$45,258,011	\$7,535,145		\$42,342,467	\$42,342,467
\$41,515,870	\$100,215,109	\$18,198,438		\$59,123,828	\$147,855,197	\$26,849,580		\$21,474,433	\$53,702,656	\$9,752,067		\$54,800,084	\$70,139,759
\$49,123,472	\$116,848,993	\$22,957,413		\$70,347,918	\$172,396,469	\$33,870,869		\$25,551,148	\$62,616,319	\$12,302,277		\$69,130,559	\$90,301,792
\$57,721,876	\$135,038,885	\$28,669,117		\$83,033,818	\$199,233,440	\$42,297,794		\$30,158,808	\$72,363,806	\$15,363,030		\$86,329,941	\$113,729,983
\$67,230,583	\$154,568,847	\$35,304,969		\$97,062,759	\$228,047,522	\$52,088,185		\$35,254,276	\$82,829,402	\$18,919,009		\$106,312,164	\$140,877,443
\$77,677,523	\$175,582,306	\$42,837,518		\$112,475,947	\$259,050,324	\$63,201,545		\$40,852,518	\$94,089,965	\$22,955,506		\$128,994,569	\$171,638,401
\$89,313,360	\$198,341,036	\$51,579,732		\$129,643,207	\$292,628,060	\$76,099,617		\$47,087,858	\$106,285,773	\$27,640,229		\$155,319,578	\$207,294,414
\$105,598,744	\$234,445,135	\$61,496,377		\$153,670,310	\$345,895,265	\$90,730,420		\$55,814,770	\$125,633,016	\$32,954,300		\$185,181,096	\$247,176,918
\$123,059,295	\$272,375,440	\$72,553,575		\$179,431,228	\$401,856,814	\$107,043,970		\$65,171,422	\$145,958,874	\$38,879,563		\$218,477,109	\$290,856,032
\$141,641,657	\$312,013,845	\$84,718,740		\$206,847,242	\$460,338,456	\$124,992,191		\$75,129,224	\$167,200,059	\$45,398,557		\$255,109,487	\$336,582,424
\$161,174,371	\$353,057,845	\$97,845,130		\$235,665,385	\$520,893,882	\$144,358,582		\$85,596,295	\$189,194,464	\$52,432,646		\$294,636,358	\$388,535,238
\$1.033.484.447	\$2,348,434,205	\$554.094.221		\$1,488,608,174	\$3,464,828,861	\$817,498,590		\$540.679.082	\$1,258,464,464	\$296,924,600		\$1,668,517,411	\$2,190,918,919
\$322.47	\$732.77	\$172.89		\$3,556,44	\$8,277,84	\$1,953,09		\$41,053,84	\$95,555,39	\$22,545,53		\$24,672	\$602
\$18.97	\$43.10	\$10.17		\$209.20	\$486.93	\$114.89		\$2,414.93	\$5,620.91	\$1,326.21		\$1,451	\$35

Total SREC Cost per year \$98,148,083 \$128,877,583

## Rebate Financing Model Costs

	Solar Rebates	
Residential	Comm / Ind	Total
\$27,273,973	\$2,479,452	\$29,753,425
\$39,775,342	\$8,144,475	\$47,919,817
\$63,690,411	\$23,049,863	\$86,740,274
\$98,376,621	\$55,228,980	\$153,605,601
\$169,850,837	\$137,716,895	\$307,567,732
\$196,000,000	\$252,000,000	\$448,000,000
\$238,875,000	\$380,250,000	\$619,125,000
\$312,375,000	\$497,250,000	\$809,625,000
\$398,125,000	\$633,750,000	\$1,031,875,000
\$502,250,000	\$799,500,000	\$1,301,750,000
\$624,750,000	\$994,500,000	\$1,619,250,000
\$765,625,000	\$1,218,750,000	\$1,984,375,000
\$931,000,000	\$1,482,000,000	\$2,413,000,000
\$1,120,875,000	\$1,784,250,000	\$2,905,125,000
\$1,335,250,000	\$2,125,500,000	\$3,460,750,000
\$1,574,125,000	\$2,505,750,000	\$4,079,875,000
\$1,837,500,000	\$2,925,000,000	\$4,762,500,000
\$10,235,717,184	\$15,825,119,665	\$26,060,836,849
\$3,194	\$36,655	\$39,848 \$2,344

Total Rebate Cost per year \$1,532,990,403