

January 30, 2020

BY HAND DELIVERY AND ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket 4983 - 2020 Renewable Energy Growth Program Tariff and Rule Changes Responses to PUC Data Requests – Set 3

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed the Company's responses to the Public Utilities Commission's Third Set of Data Requests in the above-referenced docket.

Thank you for your attention to this matter. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 4983 Service List
Leo Wold, Esq.
Jon Hagopian, Esq.
John Bell, Division

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or Company).

Docket No. 4983– Renewable Energy Growth Program for Year 2020
RI Distributed Generation Board and National Grid
Service List updated 1/24/2020

Parties' Name/Address	E-mail	Phone
Raquel Webster, Esq. Celia O'Brien, Esq. National Grid 280 Melrose Street Providence, RI 02907	Raquel.webster@nationalgrid.com;	781-907-2121
	Brooke.skulley@nationalgrid.com;	
	Joanne.scanlon@nationalgrid.com;	
	Ian.springsteel@nationalgrid.com;	
	Omar.Muneeruddin2@nationalgrid.com;	
	Robin.pieri@nationalgrid.com;	
	Adam.crary@nationalgrid.com;	
Daniel Jajcher, Esq. Dept. of Administration Division of Legal Services One Capitol Hill, 4 th Floor Providence, RI 02908	daniel.majcher@doa.ri.gov;	401-222-8880
	Nancy.Russolino@doa.ri.gov;	
	Christopher.Kearns@energy.ri.gov;	
	Nicholas.ucci@energy.ri.gov;	
	Shauna.Beland@energy.ri.gov;	
Jim Kennerly Matt Piantadosi (617) 673-7102 Tyler Orcutt	jkennerly@seadvantage.com;	
	Tyler.Orcutt@cadmusgroup.com;	
Jon Hagopian, Sr. Counsel Division of Public Utilities and Carriers	Jon.hagopian@dpuc.ri.gov;	401-784-4775
	John.bell@dpuc.ri.gov;	
	Jonathan.Schrag@dpuc.ri.gov;	
	Dmacrae@riag.ri.gov;	
Carrie Gilbert Daymark Energy Advisors	cgilbert@daymarkea.com;	
File an original & 9 copies w/: Luly E. Massaro, Commission Clerk Cynthia Wilson-Frias, Commission Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov;	401-780-2107
	Alan.nault@puc.ri.gov;	
	Todd.bianco@puc.ri.gov;	
	Cynthia.WilsonFrias@puc.ri.gov;	
	John.harrington@puc.ri.gov;	
Doug Sabetti	doug@newportsolarri.com;	
Fred Unger	unger@hrtwd.com;	
Paul Raducha	paul@pvdenergy.com;	
Mark Depasquale, Wind Energy Development	md@wedenergy.com;	
Jerry Elmer, Esq., CLF	jelmer@clf.org;	401-351-1102
Charlie Grant, Essex Capital Partners	cgrant@essexcapitalpartners.com;	
Stuart Flanagan, NPTRE-Newport Renewables	sflanagan@nptre.com;	
Sunrun, Inc. Seth Handy, Esq. Handy Law, LLC	seth@handylawllc.com;	
Stephen Lassiter, Sunrun Inc. Beren Argetsinger, Keyes & Fox LLP	stephen.lassiter@sunrun.com;	
	bargetsinger@kfwlaw.com;	

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4983
In Re: 2020 Renewable Energy Growth Program
Responses to the Commission's Third Set of Data Requests
Issued on January 16, 2020

PUC 3-1

Request:

Please update the response to PUC 1-2, Docket 4774. If possible, please include the extension of the REG program to future years.

Response:

Please see Attachment PUC 3-1 for the update of estimated program costs through 3/31/2053.

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 1 Y/E 3/31/2016 (a)	Year 2 Y/E 3/31/2017 (b)	Year 3 Y/E 3/31/2018 (c)	Year 4 Y/E 3/31/2019 (d)
(1) YEAR 1 BUILD	PBI Payments	\$25,378	\$938,601	\$5,089,744	\$5,356,131
(2) YEAR 1 BUILD	Market Value	\$0	\$30,336	\$950,427	\$595,272
(3) YEAR 1 BUILD	Net Cost	\$25,378	\$908,266	\$4,139,317	\$4,760,859
(4) YEAR 2 BUILD	PBI Payments	\$0	\$411,612	\$3,248,092	\$3,311,895
(5) YEAR 2 BUILD	Market Value	\$0	\$0	\$156,022	\$368,096
(6) YEAR 2 BUILD	Net Cost	\$0	\$411,612	\$3,092,070	\$2,943,799
(7) YEAR 3 BUILD	PBI Payments	\$0	\$0	\$0	\$2,873,920
(8) YEAR 3 BUILD	Market Value	\$0	\$0	\$0	\$319,424
(9) YEAR 3 BUILD	Net Cost	\$0	\$0	\$0	\$2,554,496
(10) YEAR 4 BUILD	PBI Payments	\$0	\$0	\$0	\$1,412,157
(11) YEAR 4 BUILD	Market Value	\$0	\$0	\$0	\$156,977
(12) YEAR 4 BUILD	Net Cost	\$0	\$0	\$0	\$1,255,180
(13) YEAR 5 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(14) YEAR 5 BUILD	Market Value	\$0	\$0	\$0	\$0
(15) YEAR 5 BUILD	Net Cost	\$0	\$0	\$0	\$0
(16) YEAR 6 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(17) YEAR 6 BUILD	Market Value	\$0	\$0	\$0	\$0
(18) YEAR 6 BUILD	Net Cost	\$0	\$0	\$0	\$0
(19) YEAR 7 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(20) YEAR 7 BUILD	Market Value	\$0	\$0	\$0	\$0
(21) YEAR 7 BUILD	Net Cost	\$0	\$0	\$0	\$0
(22) YEAR 8 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(23) YEAR 8 BUILD	Market Value	\$0	\$0	\$0	\$0
(24) YEAR 8 BUILD	Net Cost	\$0	\$0	\$0	\$0
(25) YEAR 9 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(26) YEAR 9 BUILD	Market Value	\$0	\$0	\$0	\$0
(27) YEAR 9 BUILD	Net Cost	\$0	\$0	\$0	\$0
(28) YEAR 10 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(29) YEAR 10 BUILD	Market Value	\$0	\$0	\$0	\$0
(30) YEAR 10 BUILD	Net Cost	\$0	\$0	\$0	\$0
(31) YEAR 11 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(32) YEAR 11 BUILD	Market Value	\$0	\$0	\$0	\$0
(33) YEAR 11 BUILD	Net Cost	\$0	\$0	\$0	\$0
(34) YEAR 12 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(35) YEAR 12 BUILD	Market Value	\$0	\$0	\$0	\$0
(36) YEAR 12 BUILD	Net Cost	\$0	\$0	\$0	\$0
(37) YEAR 13 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(38) YEAR 13 BUILD	Market Value	\$0	\$0	\$0	\$0
(39) YEAR 13 BUILD	Net Cost	\$0	\$0	\$0	\$0
(40) YEAR 14 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(41) YEAR 14 BUILD	Market Value	\$0	\$0	\$0	\$0
(42) YEAR 14 BUILD	Net Cost	\$0	\$0	\$0	\$0
(43) YEAR 15 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(44) YEAR 15 BUILD	Market Value	\$0	\$0	\$0	\$0
(45) YEAR 15 BUILD	Net Cost	\$0	\$0	\$0	\$0
(46) TOTAL	PBI Payments	\$25,378	\$1,350,213	\$8,337,836	\$12,954,104
(47) TOTAL	Market Value	\$0	\$30,336	\$1,106,449	\$1,439,769
(48) TOTAL	Net Cost	\$25,378	\$1,319,878	\$7,231,387	\$11,514,335
(49) Admin/Metering Costs		\$913,771	\$938,320	\$922,788	\$1,188,972
(50) Estimated Remuneration		\$444	\$23,629	\$145,912	\$226,697
(51) Total Estimated RE Growth Program Expense		\$939,593	\$2,281,826	\$8,300,087	\$12,930,003

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
- Column (b): Actual Yr 2 costs per Docket 4707 Schedule ASC-3, Page 3, Line (22)
- Column (c): Actual Yr 3 costs per Docket 4847 Schedule NG-3 Revised, Page 3, Line (25)
- Column (d): Actual Yr 4 costs per Docket 4954 Schedule NG-3, Page 3, Line (23)
- Lines (1) through (45) and (50) Columns (e) through (al): Estimates based on estimated build in each year pages 11 through 25
- Line (49) Columns (e) through (al): Estimates based on actuals through year 4
- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 5 Y/E 3/31/2020 (e)	Year 6 Y/E 3/31/2021 (f)	Year 7 Y/E 3/31/2022 (g)	Year 8 Y/E 3/31/2023 (h)
(1) YEAR 1 BUILD	PBI Payments	\$7,081,591	\$7,081,591	\$7,081,591	\$7,081,591
(2) YEAR 1 BUILD	Market Value	\$1,394,603	\$1,394,603	\$1,394,603	\$1,394,603
(3) YEAR 1 BUILD	Net Cost	\$5,686,988	\$5,686,988	\$5,686,988	\$5,686,988
(4) YEAR 2 BUILD	PBI Payments	\$3,619,198	\$4,785,111	\$4,785,111	\$4,785,111
(5) YEAR 2 BUILD	Market Value	\$460,962	\$609,460	\$609,460	\$609,460
(6) YEAR 2 BUILD	Net Cost	\$3,158,236	\$4,175,651	\$4,175,651	\$4,175,651
(7) YEAR 3 BUILD	PBI Payments	\$6,876,778	\$7,373,155	\$9,748,392	\$9,748,392
(8) YEAR 3 BUILD	Market Value	\$1,539,057	\$1,650,149	\$865,786	\$865,786
(9) YEAR 3 BUILD	Net Cost	\$5,337,721	\$5,723,006	\$8,882,605	\$8,882,605
(10) YEAR 4 BUILD	PBI Payments	\$943,403	\$6,939,630	\$7,440,543	\$9,837,488
(11) YEAR 4 BUILD	Market Value	\$42,267	\$1,394,130	\$1,494,761	\$1,976,293
(12) YEAR 4 BUILD	Net Cost	\$901,136	\$5,545,499	\$5,945,782	\$7,861,196
(13) YEAR 5 BUILD	PBI Payments	\$733,994	\$4,643,057	\$8,859,201	\$9,524,338
(14) YEAR 5 BUILD	Market Value	\$259,452	\$1,641,225	\$3,135,232	\$3,366,656
(15) YEAR 5 BUILD	Net Cost	\$474,542	\$3,001,833	\$5,723,969	\$6,157,681
(16) YEAR 6 BUILD	PBI Payments	\$0	\$661,614	\$4,185,202	\$8,007,166
(17) YEAR 6 BUILD	Market Value	\$0	\$185,696	\$1,174,667	\$2,247,384
(18) YEAR 6 BUILD	Net Cost	\$0	\$475,918	\$3,010,535	\$5,759,782
(19) YEAR 7 BUILD	PBI Payments	\$0	\$0	\$648,850	\$4,104,456
(20) YEAR 7 BUILD	Market Value	\$0	\$0	\$185,778	\$1,175,183
(21) YEAR 7 BUILD	Net Cost	\$0	\$0	\$463,072	\$2,929,272
(22) YEAR 8 BUILD	PBI Payments	\$0	\$0	\$0	\$636,369
(23) YEAR 8 BUILD	Market Value	\$0	\$0	\$0	\$183,510
(24) YEAR 8 BUILD	Net Cost	\$0	\$0	\$0	\$452,860
(25) YEAR 9 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(26) YEAR 9 BUILD	Market Value	\$0	\$0	\$0	\$0
(27) YEAR 9 BUILD	Net Cost	\$0	\$0	\$0	\$0
(28) YEAR 10 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(29) YEAR 10 BUILD	Market Value	\$0	\$0	\$0	\$0
(30) YEAR 10 BUILD	Net Cost	\$0	\$0	\$0	\$0
(31) YEAR 11 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(32) YEAR 11 BUILD	Market Value	\$0	\$0	\$0	\$0
(33) YEAR 11 BUILD	Net Cost	\$0	\$0	\$0	\$0
(34) YEAR 12 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(35) YEAR 12 BUILD	Market Value	\$0	\$0	\$0	\$0
(36) YEAR 12 BUILD	Net Cost	\$0	\$0	\$0	\$0
(37) YEAR 13 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(38) YEAR 13 BUILD	Market Value	\$0	\$0	\$0	\$0
(39) YEAR 13 BUILD	Net Cost	\$0	\$0	\$0	\$0
(40) YEAR 14 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(41) YEAR 14 BUILD	Market Value	\$0	\$0	\$0	\$0
(42) YEAR 14 BUILD	Net Cost	\$0	\$0	\$0	\$0
(43) YEAR 15 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(44) YEAR 15 BUILD	Market Value	\$0	\$0	\$0	\$0
(45) YEAR 15 BUILD	Net Cost	\$0	\$0	\$0	\$0
(46) TOTAL	PBI Payments	\$19,254,965	\$31,484,158	\$42,748,889	\$53,724,909
(47) TOTAL	Market Value	\$3,696,342	\$6,875,263	\$8,860,287	\$11,818,875
(48) TOTAL	Net Cost	\$15,558,623	\$24,608,895	\$33,888,601	\$41,906,034
(49) Admin/Metering Costs		\$1,700,000	\$1,734,000	\$1,768,680	\$1,804,054
(50) Estimated Remuneration		\$336,962	\$550,973	\$748,106	\$940,186
(51) Total Estimated RE Growth Program Expense		\$17,595,585	\$26,893,868	\$36,405,387	\$44,650,274

Column and Line Notes:

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- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 9 Y/E 3/31/2024 (i)	Year 10 Y/E 3/31/2025 (j)	Year 11 Y/E 3/31/2026 (k)	Year 12 Y/E 3/31/2027 (l)
(1) YEAR 1 BUILD	PBI Payments	\$7,081,591	\$7,081,591	\$7,081,591	\$7,081,591
(2) YEAR 1 BUILD	Market Value	\$1,394,603	\$1,394,603	\$1,394,603	\$1,394,603
(3) YEAR 1 BUILD	Net Cost	\$5,686,988	\$5,686,988	\$5,686,988	\$5,686,988
(4) YEAR 2 BUILD	PBI Payments	\$4,785,111	\$4,785,111	\$4,785,111	\$4,785,111
(5) YEAR 2 BUILD	Market Value	\$609,460	\$609,460	\$609,460	\$609,460
(6) YEAR 2 BUILD	Net Cost	\$4,175,651	\$4,175,651	\$4,175,651	\$4,175,651
(7) YEAR 3 BUILD	PBI Payments	\$9,748,392	\$9,748,392	\$9,748,392	\$9,748,392
(8) YEAR 3 BUILD	Market Value	\$865,786	\$865,786	\$865,786	\$865,786
(9) YEAR 3 BUILD	Net Cost	\$8,882,605	\$8,882,605	\$8,882,605	\$8,882,605
(10) YEAR 4 BUILD	PBI Payments	\$9,837,488	\$9,837,488	\$9,837,488	\$9,837,488
(11) YEAR 4 BUILD	Market Value	\$1,976,293	\$1,976,293	\$1,976,293	\$1,976,293
(12) YEAR 4 BUILD	Net Cost	\$7,861,196	\$7,861,196	\$7,861,196	\$7,861,196
(13) YEAR 5 BUILD	PBI Payments	\$12,592,570	\$12,592,570	\$12,592,570	\$12,592,570
(14) YEAR 5 BUILD	Market Value	\$4,451,213	\$4,451,213	\$4,451,213	\$4,451,213
(15) YEAR 5 BUILD	Net Cost	\$8,141,357	\$8,141,357	\$8,141,357	\$8,141,357
(16) YEAR 6 BUILD	PBI Payments	\$8,585,135	\$11,350,807	\$11,350,807	\$11,350,807
(17) YEAR 6 BUILD	Market Value	\$2,409,604	\$3,185,849	\$3,185,849	\$3,185,849
(18) YEAR 6 BUILD	Net Cost	\$6,175,532	\$8,164,958	\$8,164,958	\$8,164,958
(19) YEAR 7 BUILD	PBI Payments	\$7,852,681	\$8,419,500	\$11,131,813	\$11,131,813
(20) YEAR 7 BUILD	Market Value	\$2,248,371	\$2,410,662	\$3,187,249	\$3,187,249
(21) YEAR 7 BUILD	Net Cost	\$5,604,310	\$6,008,838	\$7,944,564	\$7,944,564
(22) YEAR 8 BUILD	PBI Payments	\$4,025,507	\$7,701,637	\$8,257,553	\$10,917,695
(23) YEAR 8 BUILD	Market Value	\$1,160,835	\$2,220,920	\$2,381,229	\$3,148,334
(24) YEAR 8 BUILD	Net Cost	\$2,864,672	\$5,480,717	\$5,876,324	\$7,769,361
(25) YEAR 9 BUILD	PBI Payments	\$624,250	\$3,948,845	\$7,554,965	\$8,100,294
(26) YEAR 9 BUILD	Market Value	\$181,858	\$1,150,385	\$2,200,926	\$2,359,793
(27) YEAR 9 BUILD	Net Cost	\$442,392	\$2,798,460	\$5,354,039	\$5,740,502
(28) YEAR 10 BUILD	PBI Payments	\$0	\$612,455	\$3,874,230	\$7,412,211
(29) YEAR 10 BUILD	Market Value	\$0	\$180,812	\$1,143,770	\$2,188,272
(30) YEAR 10 BUILD	Net Cost	\$0	\$431,643	\$2,730,459	\$5,223,939
(31) YEAR 11 BUILD	PBI Payments	\$0	\$0	\$600,935	\$3,801,360
(32) YEAR 11 BUILD	Market Value	\$0	\$0	\$180,312	\$1,140,609
(33) YEAR 11 BUILD	Net Cost	\$0	\$0	\$420,623	\$2,660,752
(34) YEAR 12 BUILD	PBI Payments	\$0	\$0	\$0	\$589,697
(35) YEAR 12 BUILD	Market Value	\$0	\$0	\$0	\$180,731
(36) YEAR 12 BUILD	Net Cost	\$0	\$0	\$0	\$408,967
(37) YEAR 13 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(38) YEAR 13 BUILD	Market Value	\$0	\$0	\$0	\$0
(39) YEAR 13 BUILD	Net Cost	\$0	\$0	\$0	\$0
(40) YEAR 14 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(41) YEAR 14 BUILD	Market Value	\$0	\$0	\$0	\$0
(42) YEAR 14 BUILD	Net Cost	\$0	\$0	\$0	\$0
(43) YEAR 15 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(44) YEAR 15 BUILD	Market Value	\$0	\$0	\$0	\$0
(45) YEAR 15 BUILD	Net Cost	\$0	\$0	\$0	\$0
(46) TOTAL	PBI Payments	\$65,132,725	\$76,078,395	\$86,815,454	\$97,349,029
(47) TOTAL	Market Value	\$15,298,022	\$18,445,983	\$21,576,691	\$24,688,191
(48) TOTAL	Net Cost	\$49,834,703	\$57,632,412	\$65,238,763	\$72,660,839
(49) Admin/Metering Costs		\$1,840,135	\$1,876,937	\$1,783,090	\$1,693,936
(50) Estimated Remuneration		\$1,139,823	\$1,331,372	\$1,519,270	\$1,703,608
(51) Total Estimated RE Growth Program Expense		\$52,814,660	\$60,840,721	\$68,541,124	\$76,058,383

Column and Line Notes:

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- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 13 Y/E 3/31/2028 (m)	Year 14 Y/E 3/31/2029 (n)	Year 15 Y/E 3/31/2030 (o)	Year 16 Y/E 3/31/2031 (p)
(1) YEAR 1 BUILD	PBI Payments	\$7,081,591	\$7,081,591	\$7,081,591	\$7,081,591
(2) YEAR 1 BUILD	Market Value	\$1,394,603	\$1,394,603	\$1,394,603	\$1,394,603
(3) YEAR 1 BUILD	Net Cost	\$5,686,988	\$5,686,988	\$5,686,988	\$5,686,988
(4) YEAR 2 BUILD	PBI Payments	\$4,785,111	\$4,785,111	\$4,785,111	\$4,785,111
(5) YEAR 2 BUILD	Market Value	\$609,460	\$609,460	\$609,460	\$609,460
(6) YEAR 2 BUILD	Net Cost	\$4,175,651	\$4,175,651	\$4,175,651	\$4,175,651
(7) YEAR 3 BUILD	PBI Payments	\$9,748,392	\$9,748,392	\$9,748,392	\$9,748,392
(8) YEAR 3 BUILD	Market Value	\$865,786	\$865,786	\$865,786	\$865,786
(9) YEAR 3 BUILD	Net Cost	\$8,882,605	\$8,882,605	\$8,882,605	\$8,882,605
(10) YEAR 4 BUILD	PBI Payments	\$9,837,488	\$9,837,488	\$9,837,488	\$9,837,488
(11) YEAR 4 BUILD	Market Value	\$1,976,293	\$1,976,293	\$1,976,293	\$1,976,293
(12) YEAR 4 BUILD	Net Cost	\$7,861,196	\$7,861,196	\$7,861,196	\$7,861,196
(13) YEAR 5 BUILD	PBI Payments	\$12,592,570	\$12,592,570	\$12,592,570	\$12,592,570
(14) YEAR 5 BUILD	Market Value	\$4,451,213	\$4,451,213	\$4,451,213	\$4,451,213
(15) YEAR 5 BUILD	Net Cost	\$8,141,357	\$8,141,357	\$8,141,357	\$8,141,357
(16) YEAR 6 BUILD	PBI Payments	\$11,350,807	\$11,350,807	\$11,350,807	\$11,350,807
(17) YEAR 6 BUILD	Market Value	\$3,185,849	\$3,185,849	\$3,185,849	\$3,185,849
(18) YEAR 6 BUILD	Net Cost	\$8,164,958	\$8,164,958	\$8,164,958	\$8,164,958
(19) YEAR 7 BUILD	PBI Payments	\$11,131,813	\$11,131,813	\$11,131,813	\$11,131,813
(20) YEAR 7 BUILD	Market Value	\$3,187,249	\$3,187,249	\$3,187,249	\$3,187,249
(21) YEAR 7 BUILD	Net Cost	\$7,944,564	\$7,944,564	\$7,944,564	\$7,944,564
(22) YEAR 8 BUILD	PBI Payments	\$10,917,695	\$10,917,695	\$10,917,695	\$10,917,695
(23) YEAR 8 BUILD	Market Value	\$3,148,334	\$3,148,334	\$3,148,334	\$3,148,334
(24) YEAR 8 BUILD	Net Cost	\$7,769,361	\$7,769,361	\$7,769,361	\$7,769,361
(25) YEAR 9 BUILD	PBI Payments	\$10,709,776	\$10,709,776	\$10,709,776	\$10,709,776
(26) YEAR 9 BUILD	Market Value	\$3,119,992	\$3,119,992	\$3,119,992	\$3,119,992
(27) YEAR 9 BUILD	Net Cost	\$7,589,785	\$7,589,785	\$7,589,785	\$7,589,785
(28) YEAR 10 BUILD	PBI Payments	\$7,947,236	\$10,507,410	\$10,507,410	\$10,507,410
(29) YEAR 10 BUILD	Market Value	\$2,346,225	\$3,102,053	\$3,102,053	\$3,102,053
(30) YEAR 10 BUILD	Net Cost	\$5,601,011	\$7,405,358	\$7,405,358	\$7,405,358
(31) YEAR 11 BUILD	PBI Payments	\$7,272,796	\$7,797,758	\$10,309,779	\$10,309,779
(32) YEAR 11 BUILD	Market Value	\$2,182,222	\$2,339,739	\$3,093,477	\$3,093,477
(33) YEAR 11 BUILD	Net Cost	\$5,090,574	\$5,458,019	\$7,216,301	\$7,216,301
(34) YEAR 12 BUILD	PBI Payments	\$3,730,273	\$7,136,792	\$7,651,937	\$10,116,982
(35) YEAR 12 BUILD	Market Value	\$1,143,256	\$2,187,288	\$2,345,170	\$3,100,659
(36) YEAR 12 BUILD	Net Cost	\$2,587,017	\$4,949,504	\$5,306,767	\$7,016,324
(37) YEAR 13 BUILD	PBI Payments	\$578,778	\$3,661,197	\$7,004,634	\$7,510,240
(38) YEAR 13 BUILD	Market Value	\$181,376	\$1,147,335	\$2,195,092	\$2,353,537
(39) YEAR 13 BUILD	Net Cost	\$397,402	\$2,513,862	\$4,809,543	\$5,156,703
(40) YEAR 14 BUILD	PBI Payments	\$0	\$568,139	\$3,593,903	\$6,875,887
(41) YEAR 14 BUILD	Market Value	\$0	\$182,461	\$1,154,202	\$2,208,229
(42) YEAR 14 BUILD	Net Cost	\$0	\$385,678	\$2,439,701	\$4,667,658
(43) YEAR 15 BUILD	PBI Payments	\$0	\$0	\$557,735	\$3,528,085
(44) YEAR 15 BUILD	Market Value	\$0	\$0	\$184,092	\$1,164,515
(45) YEAR 15 BUILD	Net Cost	\$0	\$0	\$373,643	\$2,363,570
(46) TOTAL	PBI Payments	\$107,684,326	\$117,826,540	\$127,780,641	\$137,003,627
(47) TOTAL	Market Value	\$27,791,858	\$30,897,655	\$34,012,864	\$36,961,249
(48) TOTAL	Net Cost	\$79,892,468	\$86,928,885	\$93,767,777	\$100,042,378
(49) Admin/Metering Costs		\$1,609,239	\$1,528,777	\$1,452,338	\$1,379,721
(50) Estimated Remuneration		\$1,884,476	\$2,061,964	\$2,236,161	\$2,397,563
(51) Total Estimated RE Growth Program Expense		\$83,386,183	\$90,519,627	\$97,456,277	\$103,819,663

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
- Column (b): Actual Yr 2 costs per Docket 4707 Schedule ASC-3, Page 3, Line (22)
- Column (c): Actual Yr 3 costs per Docket 4847 Schedule NG-3 Revised, Page 3, Line (25)
- Column (d): Actual Yr 4 costs per Docket 4954 Schedule NG-3, Page 3, Line (23)
- Lines (1) through (45) and (50) Columns (e) through (al): Estimates based on estimated build in each year pages 11 through 25
- Line (49) Columns (e) through (al): Estimates based on actuals through year 4
- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 17 Y/E 3/31/2032 (q)	Year 18 Y/E 3/31/2033 (r)	Year 19 Y/E 3/31/2034 (s)	Year 20 Y/E 3/31/2035 (t)
(1) YEAR 1 BUILD	PBI Payments	\$7,081,591	\$7,081,591	\$7,081,591	\$7,081,591
(2) YEAR 1 BUILD	Market Value	\$1,394,603	\$1,394,603	\$1,394,603	\$1,394,603
(3) YEAR 1 BUILD	Net Cost	\$5,686,988	\$5,686,988	\$5,686,988	\$5,686,988
(4) YEAR 2 BUILD	PBI Payments	\$4,785,111	\$4,785,111	\$4,785,111	\$4,785,111
(5) YEAR 2 BUILD	Market Value	\$609,460	\$609,460	\$609,460	\$609,460
(6) YEAR 2 BUILD	Net Cost	\$4,175,651	\$4,175,651	\$4,175,651	\$4,175,651
(7) YEAR 3 BUILD	PBI Payments	\$9,748,392	\$9,748,392	\$9,748,392	\$9,748,392
(8) YEAR 3 BUILD	Market Value	\$865,786	\$865,786	\$865,786	\$865,786
(9) YEAR 3 BUILD	Net Cost	\$8,882,605	\$8,882,605	\$8,882,605	\$8,882,605
(10) YEAR 4 BUILD	PBI Payments	\$9,837,488	\$9,837,488	\$9,837,488	\$9,837,488
(11) YEAR 4 BUILD	Market Value	\$1,976,293	\$1,976,293	\$1,976,293	\$1,976,293
(12) YEAR 4 BUILD	Net Cost	\$7,861,196	\$7,861,196	\$7,861,196	\$7,861,196
(13) YEAR 5 BUILD	PBI Payments	\$12,592,570	\$12,592,570	\$12,592,570	\$12,592,570
(14) YEAR 5 BUILD	Market Value	\$4,451,213	\$4,451,213	\$4,451,213	\$4,451,213
(15) YEAR 5 BUILD	Net Cost	\$8,141,357	\$8,141,357	\$8,141,357	\$8,141,357
(16) YEAR 6 BUILD	PBI Payments	\$11,350,807	\$11,350,807	\$11,350,807	\$11,350,807
(17) YEAR 6 BUILD	Market Value	\$3,185,849	\$3,185,849	\$3,185,849	\$3,185,849
(18) YEAR 6 BUILD	Net Cost	\$8,164,958	\$8,164,958	\$8,164,958	\$8,164,958
(19) YEAR 7 BUILD	PBI Payments	\$11,131,813	\$11,131,813	\$11,131,813	\$11,131,813
(20) YEAR 7 BUILD	Market Value	\$3,187,249	\$3,187,249	\$3,187,249	\$3,187,249
(21) YEAR 7 BUILD	Net Cost	\$7,944,564	\$7,944,564	\$7,944,564	\$7,944,564
(22) YEAR 8 BUILD	PBI Payments	\$10,917,695	\$10,917,695	\$10,917,695	\$10,917,695
(23) YEAR 8 BUILD	Market Value	\$3,148,334	\$3,148,334	\$3,148,334	\$3,148,334
(24) YEAR 8 BUILD	Net Cost	\$7,769,361	\$7,769,361	\$7,769,361	\$7,769,361
(25) YEAR 9 BUILD	PBI Payments	\$10,709,776	\$10,709,776	\$10,709,776	\$10,709,776
(26) YEAR 9 BUILD	Market Value	\$3,119,992	\$3,119,992	\$3,119,992	\$3,119,992
(27) YEAR 9 BUILD	Net Cost	\$7,589,785	\$7,589,785	\$7,589,785	\$7,589,785
(28) YEAR 10 BUILD	PBI Payments	\$10,507,410	\$10,507,410	\$10,507,410	\$10,507,410
(29) YEAR 10 BUILD	Market Value	\$3,102,053	\$3,102,053	\$3,102,053	\$3,102,053
(30) YEAR 10 BUILD	Net Cost	\$7,405,358	\$7,405,358	\$7,405,358	\$7,405,358
(31) YEAR 11 BUILD	PBI Payments	\$10,309,779	\$10,309,779	\$10,309,779	\$10,309,779
(32) YEAR 11 BUILD	Market Value	\$3,093,477	\$3,093,477	\$3,093,477	\$3,093,477
(33) YEAR 11 BUILD	Net Cost	\$7,216,301	\$7,216,301	\$7,216,301	\$7,216,301
(34) YEAR 12 BUILD	PBI Payments	\$10,116,982	\$10,116,982	\$10,116,982	\$10,116,982
(35) YEAR 12 BUILD	Market Value	\$3,100,659	\$3,100,659	\$3,100,659	\$3,100,659
(36) YEAR 12 BUILD	Net Cost	\$7,016,324	\$7,016,324	\$7,016,324	\$7,016,324
(37) YEAR 13 BUILD	PBI Payments	\$9,929,638	\$9,929,638	\$9,929,638	\$9,929,638
(38) YEAR 13 BUILD	Market Value	\$3,111,721	\$3,111,721	\$3,111,721	\$3,111,721
(39) YEAR 13 BUILD	Net Cost	\$6,817,917	\$6,817,917	\$6,817,917	\$6,817,917
(40) YEAR 14 BUILD	PBI Payments	\$7,372,200	\$9,747,128	\$9,747,128	\$9,747,128
(41) YEAR 14 BUILD	Market Value	\$2,367,623	\$3,130,344	\$3,130,344	\$3,130,344
(42) YEAR 14 BUILD	Net Cost	\$5,004,577	\$6,616,784	\$6,616,784	\$6,616,784
(43) YEAR 15 BUILD	PBI Payments	\$6,749,964	\$7,237,187	\$9,568,622	\$9,568,622
(44) YEAR 15 BUILD	Market Value	\$2,227,961	\$2,388,779	\$3,158,315	\$3,158,315
(45) YEAR 15 BUILD	Net Cost	\$4,522,003	\$4,848,408	\$6,410,306	\$6,410,306
(46) TOTAL	PBI Payments	\$143,141,216	\$146,003,368	\$148,334,803	\$148,334,803
(47) TOTAL	Market Value	\$38,942,272	\$39,865,811	\$40,635,348	\$40,635,348
(48) TOTAL	Net Cost	\$104,198,944	\$106,137,556	\$107,699,454	\$107,699,454
(49) Admin/Metering Costs		\$1,310,735	\$1,245,199	\$1,182,939	\$1,123,792
(50) Estimated Remuneration		\$2,504,971	\$2,555,059	\$2,595,859	\$2,595,859
(51) Total Estimated RE Growth Program Expense		\$108,014,650	\$109,937,814	\$111,478,252	\$111,419,105

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
- Column (b): Actual Yr 2 costs per Docket 4707 Schedule ASC-3, Page 3, Line (22)
- Column (c): Actual Yr 3 costs per Docket 4847 Schedule NG-3 Revised, Page 3, Line (25)
- Column (d): Actual Yr 4 costs per Docket 4954 Schedule NG-3, Page 3, Line (23)
- Lines (1) through (45) and (50) Columns (e) through (al): Estimates based on estimated build in each year pages 11 through 25
- Line (49) Columns (e) through (al): Estimates based on actuals through year 4
- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 21 Y/E 3/31/2036 (u)	Year 22 Y/E 3/31/2037 (v)	Year 23 Y/E 3/31/2038 (w)	Year 24 Y/E 3/31/2039 (x)
(1) YEAR 1 BUILD	PBI Payments	\$7,056,213	\$6,142,990	\$1,991,847	\$1,725,459
(2) YEAR 1 BUILD	Market Value	\$1,394,603	\$1,364,267	\$444,175	\$384,772
(3) YEAR 1 BUILD	Net Cost	\$5,661,610	\$4,778,723	\$1,547,671	\$1,340,688
(4) YEAR 2 BUILD	PBI Payments	\$4,785,111	\$4,373,499	\$1,537,019	\$1,473,216
(5) YEAR 2 BUILD	Market Value	\$609,460	\$609,460	\$453,438	\$434,616
(6) YEAR 2 BUILD	Net Cost	\$4,175,651	\$3,764,039	\$1,083,581	\$1,038,600
(7) YEAR 3 BUILD	PBI Payments	\$9,748,392	\$9,748,392	\$9,748,392	\$6,874,471
(8) YEAR 3 BUILD	Market Value	\$865,786	\$865,786	\$865,786	\$610,544
(9) YEAR 3 BUILD	Net Cost	\$8,882,605	\$8,882,605	\$8,882,605	\$6,263,927
(10) YEAR 4 BUILD	PBI Payments	\$9,837,488	\$9,837,488	\$9,837,488	\$8,425,331
(11) YEAR 4 BUILD	Market Value	\$1,976,293	\$1,976,293	\$1,976,293	\$1,692,599
(12) YEAR 4 BUILD	Net Cost	\$7,861,196	\$7,861,196	\$7,861,196	\$6,732,732
(13) YEAR 5 BUILD	PBI Payments	\$12,592,570	\$12,592,570	\$12,592,570	\$12,592,570
(14) YEAR 5 BUILD	Market Value	\$4,451,213	\$4,451,213	\$4,451,213	\$4,451,213
(15) YEAR 5 BUILD	Net Cost	\$8,141,357	\$8,141,357	\$8,141,357	\$8,141,357
(16) YEAR 6 BUILD	PBI Payments	\$11,350,807	\$11,350,807	\$11,350,807	\$11,350,807
(17) YEAR 6 BUILD	Market Value	\$3,185,849	\$3,185,849	\$3,185,849	\$3,185,849
(18) YEAR 6 BUILD	Net Cost	\$8,164,958	\$8,164,958	\$8,164,958	\$8,164,958
(19) YEAR 7 BUILD	PBI Payments	\$11,131,813	\$11,131,813	\$11,131,813	\$11,131,813
(20) YEAR 7 BUILD	Market Value	\$3,187,249	\$3,187,249	\$3,187,249	\$3,187,249
(21) YEAR 7 BUILD	Net Cost	\$7,944,564	\$7,944,564	\$7,944,564	\$7,944,564
(22) YEAR 8 BUILD	PBI Payments	\$10,917,695	\$10,917,695	\$10,917,695	\$10,917,695
(23) YEAR 8 BUILD	Market Value	\$3,148,334	\$3,148,334	\$3,148,334	\$3,148,334
(24) YEAR 8 BUILD	Net Cost	\$7,769,361	\$7,769,361	\$7,769,361	\$7,769,361
(25) YEAR 9 BUILD	PBI Payments	\$10,709,776	\$10,709,776	\$10,709,776	\$10,709,776
(26) YEAR 9 BUILD	Market Value	\$3,119,992	\$3,119,992	\$3,119,992	\$3,119,992
(27) YEAR 9 BUILD	Net Cost	\$7,589,785	\$7,589,785	\$7,589,785	\$7,589,785
(28) YEAR 10 BUILD	PBI Payments	\$10,507,410	\$10,507,410	\$10,507,410	\$10,507,410
(29) YEAR 10 BUILD	Market Value	\$3,102,053	\$3,102,053	\$3,102,053	\$3,102,053
(30) YEAR 10 BUILD	Net Cost	\$7,405,358	\$7,405,358	\$7,405,358	\$7,405,358
(31) YEAR 11 BUILD	PBI Payments	\$10,309,779	\$10,309,779	\$10,309,779	\$10,309,779
(32) YEAR 11 BUILD	Market Value	\$3,093,477	\$3,093,477	\$3,093,477	\$3,093,477
(33) YEAR 11 BUILD	Net Cost	\$7,216,301	\$7,216,301	\$7,216,301	\$7,216,301
(34) YEAR 12 BUILD	PBI Payments	\$10,116,982	\$10,116,982	\$10,116,982	\$10,116,982
(35) YEAR 12 BUILD	Market Value	\$3,100,659	\$3,100,659	\$3,100,659	\$3,100,659
(36) YEAR 12 BUILD	Net Cost	\$7,016,324	\$7,016,324	\$7,016,324	\$7,016,324
(37) YEAR 13 BUILD	PBI Payments	\$9,929,638	\$9,929,638	\$9,929,638	\$9,929,638
(38) YEAR 13 BUILD	Market Value	\$3,111,721	\$3,111,721	\$3,111,721	\$3,111,721
(39) YEAR 13 BUILD	Net Cost	\$6,817,917	\$6,817,917	\$6,817,917	\$6,817,917
(40) YEAR 14 BUILD	PBI Payments	\$9,747,128	\$9,747,128	\$9,747,128	\$9,747,128
(41) YEAR 14 BUILD	Market Value	\$3,130,344	\$3,130,344	\$3,130,344	\$3,130,344
(42) YEAR 14 BUILD	Net Cost	\$6,616,784	\$6,616,784	\$6,616,784	\$6,616,784
(43) YEAR 15 BUILD	PBI Payments	\$9,568,622	\$9,568,622	\$9,568,622	\$9,568,622
(44) YEAR 15 BUILD	Market Value	\$3,158,315	\$3,158,315	\$3,158,315	\$3,158,315
(45) YEAR 15 BUILD	Net Cost	\$6,410,306	\$6,410,306	\$6,410,306	\$6,410,306
(46) TOTAL	PBI Payments	\$148,309,425	\$146,984,590	\$139,996,966	\$135,380,699
(47) TOTAL	Market Value	\$40,635,348	\$40,605,013	\$39,528,899	\$38,911,737
(48) TOTAL	Net Cost	\$107,674,076	\$106,379,577	\$100,468,067	\$96,468,962
(49) Admin/Metering Costs		\$1,067,602	\$1,014,222	\$963,511	\$915,335
(50) Estimated Remuneration		\$2,595,415	\$2,572,230	\$2,449,947	\$2,369,162
(51) Total Estimated RE Growth Program Expense		\$111,337,093	\$109,966,029	\$103,881,525	\$99,753,460

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
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- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 25 Y/E 3/31/2040 (y)	Year 26 Y/E 3/31/2041 (z)	Year 27 Y/E 3/31/2042 (aa)	Year 28 Y/E 3/31/2043 (ab)
(1) YEAR 1 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(2) YEAR 1 BUILD	Market Value	\$0	\$0	\$0	\$0
(3) YEAR 1 BUILD	Net Cost	\$0	\$0	\$0	\$0
(4) YEAR 2 BUILD	PBI Payments	\$1,165,912	\$0	\$0	\$0
(5) YEAR 2 BUILD	Market Value	\$343,957	\$0	\$0	\$0
(6) YEAR 2 BUILD	Net Cost	\$821,955	\$0	\$0	\$0
(7) YEAR 3 BUILD	PBI Payments	\$2,871,613	\$2,375,237	\$0	\$0
(8) YEAR 3 BUILD	Market Value	\$255,037	\$210,952	\$0	\$0
(9) YEAR 3 BUILD	Net Cost	\$2,616,576	\$2,164,284	\$0	\$0
(10) YEAR 4 BUILD	PBI Payments	\$8,894,085	\$2,897,859	\$2,396,945	\$0
(11) YEAR 4 BUILD	Market Value	\$1,786,769	\$582,163	\$481,532	\$0
(12) YEAR 4 BUILD	Net Cost	\$7,107,317	\$2,315,696	\$1,915,413	\$0
(13) YEAR 5 BUILD	PBI Payments	\$11,858,576	\$7,949,513	\$3,733,369	\$3,068,233
(14) YEAR 5 BUILD	Market Value	\$4,191,761	\$2,809,988	\$1,319,669	\$1,084,557
(15) YEAR 5 BUILD	Net Cost	\$7,666,815	\$5,139,524	\$2,413,700	\$1,983,676
(16) YEAR 6 BUILD	PBI Payments	\$11,350,807	\$10,689,193	\$7,165,605	\$3,343,642
(17) YEAR 6 BUILD	Market Value	\$3,185,849	\$3,000,153	\$2,011,182	\$938,465
(18) YEAR 6 BUILD	Net Cost	\$8,164,958	\$7,689,040	\$5,154,423	\$2,405,176
(19) YEAR 7 BUILD	PBI Payments	\$11,131,813	\$11,131,813	\$10,482,963	\$7,027,357
(20) YEAR 7 BUILD	Market Value	\$3,187,249	\$3,187,249	\$3,001,471	\$2,012,065
(21) YEAR 7 BUILD	Net Cost	\$7,944,564	\$7,944,564	\$7,481,492	\$5,015,292
(22) YEAR 8 BUILD	PBI Payments	\$10,917,695	\$10,917,695	\$10,917,695	\$10,281,326
(23) YEAR 8 BUILD	Market Value	\$3,148,334	\$3,148,334	\$3,148,334	\$2,964,824
(24) YEAR 8 BUILD	Net Cost	\$7,769,361	\$7,769,361	\$7,769,361	\$7,316,502
(25) YEAR 9 BUILD	PBI Payments	\$10,709,776	\$10,709,776	\$10,709,776	\$10,709,776
(26) YEAR 9 BUILD	Market Value	\$3,119,992	\$3,119,992	\$3,119,992	\$3,119,992
(27) YEAR 9 BUILD	Net Cost	\$7,589,785	\$7,589,785	\$7,589,785	\$7,589,785
(28) YEAR 10 BUILD	PBI Payments	\$10,507,410	\$10,507,410	\$10,507,410	\$10,507,410
(29) YEAR 10 BUILD	Market Value	\$3,102,053	\$3,102,053	\$3,102,053	\$3,102,053
(30) YEAR 10 BUILD	Net Cost	\$7,405,358	\$7,405,358	\$7,405,358	\$7,405,358
(31) YEAR 11 BUILD	PBI Payments	\$10,309,779	\$10,309,779	\$10,309,779	\$10,309,779
(32) YEAR 11 BUILD	Market Value	\$3,093,477	\$3,093,477	\$3,093,477	\$3,093,477
(33) YEAR 11 BUILD	Net Cost	\$7,216,301	\$7,216,301	\$7,216,301	\$7,216,301
(34) YEAR 12 BUILD	PBI Payments	\$10,116,982	\$10,116,982	\$10,116,982	\$10,116,982
(35) YEAR 12 BUILD	Market Value	\$3,100,659	\$3,100,659	\$3,100,659	\$3,100,659
(36) YEAR 12 BUILD	Net Cost	\$7,016,324	\$7,016,324	\$7,016,324	\$7,016,324
(37) YEAR 13 BUILD	PBI Payments	\$9,929,638	\$9,929,638	\$9,929,638	\$9,929,638
(38) YEAR 13 BUILD	Market Value	\$3,111,721	\$3,111,721	\$3,111,721	\$3,111,721
(39) YEAR 13 BUILD	Net Cost	\$6,817,917	\$6,817,917	\$6,817,917	\$6,817,917
(40) YEAR 14 BUILD	PBI Payments	\$9,747,128	\$9,747,128	\$9,747,128	\$9,747,128
(41) YEAR 14 BUILD	Market Value	\$3,130,344	\$3,130,344	\$3,130,344	\$3,130,344
(42) YEAR 14 BUILD	Net Cost	\$6,616,784	\$6,616,784	\$6,616,784	\$6,616,784
(43) YEAR 15 BUILD	PBI Payments	\$9,568,622	\$9,568,622	\$9,568,622	\$9,568,622
(44) YEAR 15 BUILD	Market Value	\$3,158,315	\$3,158,315	\$3,158,315	\$3,158,315
(45) YEAR 15 BUILD	Net Cost	\$6,410,306	\$6,410,306	\$6,410,306	\$6,410,306
(46) TOTAL	PBI Payments	\$129,079,838	\$116,850,645	\$105,585,914	\$94,609,893
(47) TOTAL	Market Value	\$37,915,518	\$34,755,400	\$31,778,749	\$28,816,473
(48) TOTAL	Net Cost	\$91,164,320	\$82,095,244	\$73,807,165	\$65,793,420
(49) Admin/Metering Costs		\$869,569	\$826,090	\$784,786	\$745,546
(50) Estimated Remuneration		\$2,258,897	\$2,044,886	\$1,847,753	\$1,655,673
(51) Total Estimated RE Growth Program Expense		\$94,292,785	\$84,966,221	\$76,439,704	\$68,194,640

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
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- Line (49) Columns (e) through (al): Estimates based on actuals through year 4
- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 29 Y/E 3/31/2044 (ac)	Year 30 Y/E 3/31/2045 (ad)	Year 31 Y/E 3/31/2046 (ae)	Year 32 Y/E 3/31/2047 (af)
(1) YEAR 1 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(2) YEAR 1 BUILD	Market Value	\$0	\$0	\$0	\$0
(3) YEAR 1 BUILD	Net Cost	\$0	\$0	\$0	\$0
(4) YEAR 2 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(5) YEAR 2 BUILD	Market Value	\$0	\$0	\$0	\$0
(6) YEAR 2 BUILD	Net Cost	\$0	\$0	\$0	\$0
(7) YEAR 3 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(8) YEAR 3 BUILD	Market Value	\$0	\$0	\$0	\$0
(9) YEAR 3 BUILD	Net Cost	\$0	\$0	\$0	\$0
(10) YEAR 4 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(11) YEAR 4 BUILD	Market Value	\$0	\$0	\$0	\$0
(12) YEAR 4 BUILD	Net Cost	\$0	\$0	\$0	\$0
(13) YEAR 5 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(14) YEAR 5 BUILD	Market Value	\$0	\$0	\$0	\$0
(15) YEAR 5 BUILD	Net Cost	\$0	\$0	\$0	\$0
(16) YEAR 6 BUILD	PBI Payments	\$2,765,672	\$0	\$0	\$0
(17) YEAR 6 BUILD	Market Value	\$776,246	\$0	\$0	\$0
(18) YEAR 6 BUILD	Net Cost	\$1,989,426	\$0	\$0	\$0
(19) YEAR 7 BUILD	PBI Payments	\$3,279,132	\$2,712,313	\$0	\$0
(20) YEAR 7 BUILD	Market Value	\$938,878	\$776,587	\$0	\$0
(21) YEAR 7 BUILD	Net Cost	\$2,340,254	\$1,935,726	\$0	\$0
(22) YEAR 8 BUILD	PBI Payments	\$6,892,188	\$3,216,059	\$2,660,142	\$0
(23) YEAR 8 BUILD	Market Value	\$1,987,499	\$927,414	\$767,105	\$0
(24) YEAR 8 BUILD	Net Cost	\$4,904,689	\$2,288,644	\$1,893,037	\$0
(25) YEAR 9 BUILD	PBI Payments	\$10,085,526	\$6,760,932	\$3,154,811	\$2,609,482
(26) YEAR 9 BUILD	Market Value	\$2,938,134	\$1,969,607	\$919,065	\$760,199
(27) YEAR 9 BUILD	Net Cost	\$7,147,392	\$4,791,325	\$2,235,746	\$1,849,283
(28) YEAR 10 BUILD	PBI Payments	\$10,507,410	\$9,894,956	\$6,633,181	\$3,095,200
(29) YEAR 10 BUILD	Market Value	\$3,102,053	\$2,921,241	\$1,958,282	\$913,781
(30) YEAR 10 BUILD	Net Cost	\$7,405,358	\$6,973,715	\$4,674,898	\$2,181,419
(31) YEAR 11 BUILD	PBI Payments	\$10,309,779	\$10,309,779	\$9,708,844	\$6,508,419
(32) YEAR 11 BUILD	Market Value	\$3,093,477	\$3,093,477	\$2,913,165	\$1,952,869
(33) YEAR 11 BUILD	Net Cost	\$7,216,301	\$7,216,301	\$6,795,678	\$4,555,550
(34) YEAR 12 BUILD	PBI Payments	\$10,116,982	\$10,116,982	\$10,116,982	\$9,527,285
(35) YEAR 12 BUILD	Market Value	\$3,100,659	\$3,100,659	\$3,100,659	\$2,919,928
(36) YEAR 12 BUILD	Net Cost	\$7,016,324	\$7,016,324	\$7,016,324	\$6,607,357
(37) YEAR 13 BUILD	PBI Payments	\$9,929,638	\$9,929,638	\$9,929,638	\$9,929,638
(38) YEAR 13 BUILD	Market Value	\$3,111,721	\$3,111,721	\$3,111,721	\$3,111,721
(39) YEAR 13 BUILD	Net Cost	\$6,817,917	\$6,817,917	\$6,817,917	\$6,817,917
(40) YEAR 14 BUILD	PBI Payments	\$9,747,128	\$9,747,128	\$9,747,128	\$9,747,128
(41) YEAR 14 BUILD	Market Value	\$3,130,344	\$3,130,344	\$3,130,344	\$3,130,344
(42) YEAR 14 BUILD	Net Cost	\$6,616,784	\$6,616,784	\$6,616,784	\$6,616,784
(43) YEAR 15 BUILD	PBI Payments	\$9,568,622	\$9,568,622	\$9,568,622	\$9,568,622
(44) YEAR 15 BUILD	Market Value	\$3,158,315	\$3,158,315	\$3,158,315	\$3,158,315
(45) YEAR 15 BUILD	Net Cost	\$6,410,306	\$6,410,306	\$6,410,306	\$6,410,306
(46) TOTAL	PBI Payments	\$83,202,077	\$72,256,408	\$61,519,348	\$50,985,773
(47) TOTAL	Market Value	\$25,337,326	\$22,189,365	\$19,058,657	\$15,947,158
(48) TOTAL	Net Cost	\$57,864,751	\$50,067,043	\$42,460,691	\$35,038,616
(49) Admin/Metering Costs		\$708,269	\$672,856	\$639,213	\$607,252
(50) Estimated Remuneration		\$1,456,036	\$1,264,487	\$1,076,589	\$892,251
(51) Total Estimated RE Growth Program Expense		\$60,029,057	\$52,004,385	\$44,176,493	\$36,538,119

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
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- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 33 Y/E 3/31/2048 (ag)	Year 34 Y/E 3/31/2049 (ah)	Year 35 Y/E 3/31/2050 (ai)	Year 36 Y/E 3/31/2051 (aj)
(1) YEAR 1 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(2) YEAR 1 BUILD	Market Value	\$0	\$0	\$0	\$0
(3) YEAR 1 BUILD	Net Cost	\$0	\$0	\$0	\$0
(4) YEAR 2 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(5) YEAR 2 BUILD	Market Value	\$0	\$0	\$0	\$0
(6) YEAR 2 BUILD	Net Cost	\$0	\$0	\$0	\$0
(7) YEAR 3 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(8) YEAR 3 BUILD	Market Value	\$0	\$0	\$0	\$0
(9) YEAR 3 BUILD	Net Cost	\$0	\$0	\$0	\$0
(10) YEAR 4 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(11) YEAR 4 BUILD	Market Value	\$0	\$0	\$0	\$0
(12) YEAR 4 BUILD	Net Cost	\$0	\$0	\$0	\$0
(13) YEAR 5 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(14) YEAR 5 BUILD	Market Value	\$0	\$0	\$0	\$0
(15) YEAR 5 BUILD	Net Cost	\$0	\$0	\$0	\$0
(16) YEAR 6 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(17) YEAR 6 BUILD	Market Value	\$0	\$0	\$0	\$0
(18) YEAR 6 BUILD	Net Cost	\$0	\$0	\$0	\$0
(19) YEAR 7 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(20) YEAR 7 BUILD	Market Value	\$0	\$0	\$0	\$0
(21) YEAR 7 BUILD	Net Cost	\$0	\$0	\$0	\$0
(22) YEAR 8 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(23) YEAR 8 BUILD	Market Value	\$0	\$0	\$0	\$0
(24) YEAR 8 BUILD	Net Cost	\$0	\$0	\$0	\$0
(25) YEAR 9 BUILD	PBI Payments	\$0	\$0	\$0	\$0
(26) YEAR 9 BUILD	Market Value	\$0	\$0	\$0	\$0
(27) YEAR 9 BUILD	Net Cost	\$0	\$0	\$0	\$0
(28) YEAR 10 BUILD	PBI Payments	\$2,560,175	\$0	\$0	\$0
(29) YEAR 10 BUILD	Market Value	\$755,828	\$0	\$0	\$0
(30) YEAR 10 BUILD	Net Cost	\$1,804,347	\$0	\$0	\$0
(31) YEAR 11 BUILD	PBI Payments	\$3,036,983	\$2,512,021	\$0	\$0
(32) YEAR 11 BUILD	Market Value	\$911,255	\$753,739	\$0	\$0
(33) YEAR 11 BUILD	Net Cost	\$2,125,728	\$1,758,282	\$0	\$0
(34) YEAR 12 BUILD	PBI Payments	\$6,386,709	\$2,980,190	\$2,465,045	\$0
(35) YEAR 12 BUILD	Market Value	\$1,957,402	\$913,370	\$755,489	\$0
(36) YEAR 12 BUILD	Net Cost	\$4,429,307	\$2,066,820	\$1,709,557	\$0
(37) YEAR 13 BUILD	PBI Payments	\$9,350,860	\$6,268,441	\$2,925,003	\$2,419,398
(38) YEAR 13 BUILD	Market Value	\$2,930,345	\$1,964,386	\$916,629	\$758,184
(39) YEAR 13 BUILD	Net Cost	\$6,420,515	\$4,304,055	\$2,008,374	\$1,661,214
(40) YEAR 14 BUILD	PBI Payments	\$9,747,128	\$9,178,989	\$6,153,225	\$2,871,241
(41) YEAR 14 BUILD	Market Value	\$3,130,344	\$2,947,883	\$1,976,142	\$922,115
(42) YEAR 14 BUILD	Net Cost	\$6,616,784	\$6,231,106	\$4,177,083	\$1,949,126
(43) YEAR 15 BUILD	PBI Payments	\$9,568,622	\$9,568,622	\$9,010,887	\$6,040,537
(44) YEAR 15 BUILD	Market Value	\$3,158,315	\$3,158,315	\$2,974,224	\$1,993,800
(45) YEAR 15 BUILD	Net Cost	\$6,410,306	\$6,410,306	\$6,036,663	\$4,046,737
(46) TOTAL	PBI Payments	\$40,650,477	\$30,508,263	\$20,554,161	\$11,331,176
(47) TOTAL	Market Value	\$12,843,491	\$9,737,694	\$6,622,484	\$3,674,099
(48) TOTAL	Net Cost	\$27,806,986	\$20,770,569	\$13,931,677	\$7,657,077
(49) Admin/Metering Costs		\$576,890	\$548,045	\$520,643	\$494,611
(50) Estimated Remuneration		\$711,383	\$533,895	\$359,698	\$198,296
(51) Total Estimated RE Growth Program Expense		\$29,095,259	\$21,852,509	\$14,812,018	\$8,349,983

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
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- Line (51) Line (48) + Line (49) + Line (50)

Renewable Energy Growth Program Cost Recovery
Summary of Costs by Year Through 2053

		Year 37 Y/E 3/31/2052 (ak)	Year 38 Y/E 3/31/2053 (al)	Cumulative Cost (am)
(1) YEAR 1 BUILD	PBI Payments	\$0	\$0	\$141,631,816
(2) YEAR 1 BUILD	Market Value	\$0	\$0	\$27,477,495
(3) YEAR 1 BUILD	Net Cost	\$0	\$0	\$114,154,321
(4) YEAR 2 BUILD	PBI Payments	\$0	\$0	\$95,702,214
(5) YEAR 2 BUILD	Market Value	\$0	\$0	\$12,577,908
(6) YEAR 2 BUILD	Net Cost	\$0	\$0	\$83,124,306
(7) YEAR 3 BUILD	PBI Payments	\$0	\$0	\$194,967,831
(8) YEAR 3 BUILD	Market Value	\$0	\$0	\$19,303,530
(9) YEAR 3 BUILD	Net Cost	\$0	\$0	\$175,664,300
(10) YEAR 4 BUILD	PBI Payments	\$0	\$0	\$196,749,768
(11) YEAR 4 BUILD	Market Value	\$0	\$0	\$39,251,884
(12) YEAR 4 BUILD	Net Cost	\$0	\$0	\$157,497,884
(13) YEAR 5 BUILD	PBI Payments	\$0	\$0	\$251,851,403
(14) YEAR 5 BUILD	Market Value	\$0	\$0	\$89,027,951
(15) YEAR 5 BUILD	Net Cost	\$0	\$0	\$162,823,452
(16) YEAR 6 BUILD	PBI Payments	\$0	\$0	\$227,016,144
(17) YEAR 6 BUILD	Market Value	\$0	\$0	\$63,716,985
(18) YEAR 6 BUILD	Net Cost	\$0	\$0	\$163,299,159
(19) YEAR 7 BUILD	PBI Payments	\$0	\$0	\$222,636,253
(20) YEAR 7 BUILD	Market Value	\$0	\$0	\$63,744,976
(21) YEAR 7 BUILD	Net Cost	\$0	\$0	\$158,891,277
(22) YEAR 8 BUILD	PBI Payments	\$0	\$0	\$218,353,904
(23) YEAR 8 BUILD	Market Value	\$0	\$0	\$62,966,681
(24) YEAR 8 BUILD	Net Cost	\$0	\$0	\$155,387,224
(25) YEAR 9 BUILD	PBI Payments	\$0	\$0	\$214,195,529
(26) YEAR 9 BUILD	Market Value	\$0	\$0	\$62,399,837
(27) YEAR 9 BUILD	Net Cost	\$0	\$0	\$151,795,692
(28) YEAR 10 BUILD	PBI Payments	\$0	\$0	\$210,148,210
(29) YEAR 10 BUILD	Market Value	\$0	\$0	\$62,041,054
(30) YEAR 10 BUILD	Net Cost	\$0	\$0	\$148,107,156
(31) YEAR 11 BUILD	PBI Payments	\$0	\$0	\$206,195,577
(32) YEAR 11 BUILD	Market Value	\$0	\$0	\$61,869,549
(33) YEAR 11 BUILD	Net Cost	\$0	\$0	\$144,326,027
(34) YEAR 12 BUILD	PBI Payments	\$0	\$0	\$202,339,645
(35) YEAR 12 BUILD	Market Value	\$0	\$0	\$62,013,175
(36) YEAR 12 BUILD	Net Cost	\$0	\$0	\$140,326,470
(37) YEAR 13 BUILD	PBI Payments	\$0	\$0	\$198,592,754
(38) YEAR 13 BUILD	Market Value	\$0	\$0	\$62,234,415
(39) YEAR 13 BUILD	Net Cost	\$0	\$0	\$136,358,339
(40) YEAR 14 BUILD	PBI Payments	\$2,374,929	\$0	\$194,942,565
(41) YEAR 14 BUILD	Market Value	\$762,722	\$0	\$62,606,887
(42) YEAR 14 BUILD	Net Cost	\$1,612,207	\$0	\$132,335,679
(43) YEAR 15 BUILD	PBI Payments	\$2,818,658	\$2,331,435	\$191,372,439
(44) YEAR 15 BUILD	Market Value	\$930,355	\$769,537	\$63,166,309
(45) YEAR 15 BUILD	Net Cost	\$1,888,303	\$1,561,898	\$128,206,130
(46) TOTAL	PBI Payments	\$5,193,587	\$2,331,435	\$2,966,696,052
(47) TOTAL	Market Value	\$1,693,076	\$769,537	\$814,398,636
(48) TOTAL	Net Cost	\$3,500,511	\$1,561,898	\$2,152,297,416
(49) Admin/Metering Costs		\$469,880	\$446,386	\$41,868,129
(50) Estimated Remuneration		\$90,888	\$40,800	\$51,917,181
(51) Total Estimated RE Growth Program Expense		\$4,061,279	\$2,049,084	\$2,246,082,725

Column and Line Notes:

- Column (a): Actual Yr 1 costs per Docket 4626, Schedule NG-3, Page 1, Line (2)
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- Line (51) Line (48) + Line (49) + Line (50)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Initial Program Year through March 31, 2016**

Section 1: Estimated Annual Performance-Based Incentive Payments

	<u>Unit</u>	<u>Unit Capacity (kW)</u>	<u>Unit Availability Factor</u>	<u>Estimated Program Year Output (kWh)</u>	<u>Tariff Price (\$ per kWh)</u>	<u>Estimated Program Year Cost</u>
(1)	Small Scale Solar - 15 Yr Tariff	2,592.0	14%	3,178,866	\$0.41	\$1,314,461
(2)	Small Scale Solar - 20 Yr Tariff	504.6	14%	618,841	\$0.38	\$233,613
(3)	Small Scale Solar II	17.4	14%	21,339	\$0.30	\$6,359
(4)	Medium Solar	2,183.0	14%	2,677,231	\$0.24	\$653,244
(5)	Commercial Solar	4,147.0	14%	5,085,881	\$0.19	\$963,173
(6)	Large Solar	6,644.0	14%	8,148,202	\$0.16	\$1,314,802
(7)	Wind	6,000.0	22%	11,563,200	\$0.22	\$2,595,938
(8)	Hydro	0.0	40%	0	\$0.18	\$0
(9)	Anaerobic Digestion	0.0	74%	0	\$0.21	\$0
(10)	Total	22,088.0		31,293,560		\$7,081,591

Section 2: Estimated Market Value

<u>Class</u>	<u>Estimated kWh Purchased Under Tariffs (f)</u>	<u>Market Energy Proxy (g)</u>	<u>Energy Market Value (h)</u>	<u>REC Proxy (i)</u>	<u>REC Market Value (j)</u>	<u>Total Market Value (k)</u>
(11)	Small Scale Solar - 15 Yr Tariff	3,178,866	n/a	n/a	\$0.0168	\$53,537
(12)	Small Scale Solar - 20 Yr Tariff	618,841	n/a	n/a	\$0.0168	\$10,422
(13)	Small Scale Solar II	21,339	n/a	n/a	\$0.0168	\$359
(14)	Medium Solar	2,677,231	\$0.030	\$81,597	\$0.0168	\$45,088
(15)	Commercial Solar	5,085,881	\$0.030	\$155,009	\$0.0168	\$85,654
(16)	Large Solar	8,148,202	\$0.030	\$248,343	\$0.0168	\$137,228
(17)	Wind	11,563,200	\$0.032	\$366,072	\$0.0183	\$211,293
(18)	Hydro	0	\$0.030	\$0	\$0.0178	\$0
(19)	Anaerobic Digestion	0	\$0.031	\$0	\$0.0178	\$0
(20)	Total			\$851,022		\$543,581
						\$1,394,603

Section 3: Estimated Net Cost

	<u>Estimated Net Cost (l)</u>	
(21)	Small Scale Solar - 15 Yr Tariff	\$1,260,924
(22)	Small Scale Solar - 20 Yr Tariff	\$223,190
(23)	Small Scale Solar II	\$6,000
(24)	Medium Solar	\$526,558
(25)	Commercial Solar	\$722,511
(26)	Large Solar	\$929,231
(27)	Wind	\$2,018,573
(28)	Hydro	\$0
(29)	Anaerobic Digestion	\$0
(30)	Total Estimated Above (Below) Market Cost	\$5,686,988

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 hours | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Second Program Year through March 31, 2017**

Section 1: Estimated Annual Performance-Based Incentive Payments

<u>Unit</u>	<u>Unit Capacity (kW)</u> (a)	<u>Unit Availability Factor</u> (b)	<u>Estimated Program Year Output (kWh)</u> (c)	<u>Tariff Price (\$ per kWh)</u> (d)	<u>Estimated Program Year Cost</u> (e)
(1) Small Scale Solar - 15 Yr Tariff	4,967.3	14%	6,091,897	\$0.38	\$2,295,465
(2) Small Scale Solar - 20 Yr Tariff	1,293.8	14%	1,586,729	\$0.33	\$530,761
(3) Small Scale Solar II (1)	56.9	14%	69,782	\$0.25	\$17,376
(4) Medium Solar	2,497.0	14%	3,062,321	\$0.23	\$690,553
(5) Commercial Solar	5,930.0	14%	7,059,570	\$0.18	\$1,250,956
(6) Large Solar	0.0	14%	0	\$0.12	\$0
(7) Wind	0.0	21%	0	\$0.19	\$0
(8) Hydro	0.0	40%	0	\$0.00	\$0
(9) Anaerobic Digestion	0.0	74%	0	\$0.00	\$0
(10) Total	14,745.0		17,870,298		\$4,785,111

Section 2: Estimated Market Value

<u>Class</u>	<u>Estimated kWh Purchased Under Tariffs</u> (f)	<u>Market Energy Proxy</u> (g)	<u>Energy Market Value</u> (h)	<u>REC Proxy</u> (i)	<u>REC Market Value</u> (j)	<u>Total Market Value</u> (k)
(11) Small Scale Solar - 15 Yr Tariff	6,091,897	n/a	n/a	\$0.0168	\$102,596	\$102,596
(12) Small Scale Solar - 20 Yr Tariff	1,586,729	n/a	n/a	\$0.0168	\$26,723	\$26,723
(13) Small Scale Solar II (1)	69,782	n/a	n/a	\$0.0168	\$1,175	\$1,175
(14) Medium Solar	3,062,321	\$0.030	\$93,334	\$0.0168	\$51,574	\$144,908
(15) Commercial Solar	7,059,570	\$0.030	\$215,164	\$0.0168	\$118,893	\$334,057
(16) Large Solar	0	\$0.030	\$0	\$0.0168	\$0	\$0
(17) Wind	0	\$0.032	\$0	\$0.0183	\$0	\$0
(18) Hydro	0	\$0.030	\$0	\$0.0178	\$0	\$0
(19) Anaerobic Digestion	0	\$0.031	\$0	\$0.0178	\$0	\$0
(20) Total			\$308,498		\$300,962	\$609,460

Section 3: Estimated Net Cost

	<u>Estimated Net Cost</u> (l)
(21) Small Scale Solar - 15 Yr Tariff	\$2,192,869
(22) Small Scale Solar - 20 Yr Tariff	\$504,038
(23) Small Scale Solar II (1)	\$16,201
(24) Medium Solar	\$545,645
(25) Commercial Solar	\$916,899
(26) Large Solar	\$0
(27) Wind	\$0
(28) Hydro	\$0
(29) Anaerobic Digestion	\$0
(30) Total Estimated Above (Below) Market Cost	\$4,175,651

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Third Program Year through March 31, 2018**

Section 1: Estimated Annual Performance-Based Incentive Payments

<u>Unit</u>	<u>Unit Capacity (kW)</u> (a)	<u>Unit Availability Factor</u> (b)	<u>Estimated Program Year Output (kWh)</u> (c)	<u>Tariff Price (\$ per kWh)</u> (d)	<u>Estimated Program Year Cost</u> (e)
(1) Small Scale Solar - 15 Yr Tariff	5,438.8	14%	6,670,157	\$0.35	\$2,317,879
(2) Small Scale Solar - 20 Yr Tariff	677.8	14%	831,242	\$0.31	\$256,438
(3) Small Scale Solar II (1)	66.4	14%	81,457	\$0.28	\$22,604
(4) Medium Solar	2,121.0	14%	2,601,194	\$0.23	\$591,772
(5) Commercial Solar	7,671.0	14%	9,132,203	\$0.18	\$1,603,825
(6) Large Solar	14,850.0	14%	18,446,195	\$0.14	\$2,588,623
(7) Wind	6,000.0	21%	11,037,600	\$0.18	\$2,013,258
(8) Hydro	450.0	40%	1,576,800	\$0.22	\$353,992
(9) Anaerobic Digestion	0.0	74%	0	\$0.20	\$0
(10) Total	37,275.0		50,376,848		\$9,748,392

Section 2: Estimated Market Value

<u>Class</u>	<u>Estimated kWh Purchased Under Tariffs</u> (f)	<u>Market Energy Proxy</u> (g)	<u>Energy Market Value</u> (h)	<u>REC Proxy</u> (i)	<u>REC Market Value</u> (j)	<u>Total Market Value</u> (k)
(11) Small Scale Solar - 15 Yr Tariff	6,670,157	n/a	n/a	\$0.0168	\$112,335	\$112,335
(12) Small Scale Solar - 20 Yr Tariff	831,242	n/a	n/a	\$0.0168	\$13,999	\$13,999
(13) Small Scale Solar II (1)	81,457	n/a	n/a	\$0.0168	\$1,372	\$1,372
(14) Medium Solar	2,601,194	\$0.030	\$79,280	\$0.0168	\$43,808	\$123,088
(15) Commercial Solar	9,132,203	\$0.030	\$278,334	\$0.0168	\$153,800	\$432,134
(16) Large Solar	18,446,195	\$0.030	\$562,209	\$0.0168	\$310,661	\$872,869
(17) Wind	11,037,600	\$0.032	\$349,432	\$0.0183	\$201,689	\$551,121
(18) Hydro	1,576,800	\$0.030	\$46,697	\$0.0178	\$28,123	\$74,820
(19) Anaerobic Digestion	0	\$0.031	\$0	\$0.0178	\$0	\$0
(20) Total			\$1,315,952		\$865,786	\$2,181,739

Section 3: Estimated Net Cost

	<u>Estimated Net Cost</u> (l)
(21) Small Scale Solar - 15 Yr Tariff	\$2,205,544
(22) Small Scale Solar - 20 Yr Tariff	\$242,439
(23) Small Scale Solar II (1)	\$21,233
(24) Medium Solar	\$468,684
(25) Commercial Solar	\$1,171,691
(26) Large Solar	\$1,715,754
(27) Wind	\$1,462,137
(28) Hydro	\$279,171
(29) Anaerobic Digestion	\$0
(30) Total Estimated Above (Below) Market Cost	\$7,566,653

Column Descriptions:

- (a) estimated
- (b) estimated
- (c) column (a) x column (b) x 8,760
- (d) average of tariffs
- (e) column (c) x column (d)
- (f) per column (c)
- (g) Market Energy price estimate based on most recent market information
- (h) column (f) x column (g)
- (i) REC price estimate based on market information as of 1/27/20
- (j) column (f) x column (i)
- (k) column (h) + column (j)
- (l) column (e) - column (k)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Fourth Program Year through March 31, 2019**

Section 1: Estimated Annual Performance-Based Incentive Payments

<u>Unit</u>	<u>Unit Capacity (kW)</u> (a)	<u>Unit Availability Factor</u> (b)	<u>Estimated Program Year Output (kWh)</u> (c)	<u>Tariff Price (\$ per kWh)</u> (d)	<u>Estimated Program Year Cost</u> (e)
(1) Small Scale Solar - 15 Yr Tariff	5,728.6	14%	7,025,501	\$0.31	\$2,195,469
(2) Small Scale Solar - 20 Yr Tariff	1,015.2	14%	1,245,041	\$0.28	\$345,499
(3) Small Scale Solar II	54.2	14%	66,525	\$0.27	\$17,662
(4) Medium Solar	2,852.0	14%	3,497,693	\$0.22	\$785,232
(5) Commercial Solar	4,144.0	14%	4,933,366	\$0.19	\$936,106
(6) Large Solar	15,929.0	14%	19,786,494	\$0.16	\$3,116,373
(7) Wind	6,000.0	21%	11,037,600	\$0.17	\$1,835,691
(8) Hydro	740.0	40%	2,592,960	\$0.23	\$605,456
(9) Anaerobic Digestion	0.0	74%	0	\$0.20	\$0
(10) Total	36,463.0		50,185,180		\$9,837,488

Section 2: Estimated Market Value

<u>Class</u>	<u>Estimated kWh Purchased Under Tariffs</u> (f)	<u>Market Energy Proxy</u> (g)	<u>Energy Market Value</u> (h)	<u>REC Proxy</u> (i)	<u>REC Market Value</u> (j)	<u>Total Market Value</u> (k)
(11) Small Scale Solar - 15 Yr Tariff	7,025,501	n/a	n/a	\$0.0138	\$96,601	\$96,601
(12) Small Scale Solar - 20 Yr Tariff	1,245,041	n/a	n/a	\$0.0138	\$17,119	\$17,119
(13) Small Scale Solar II	66,525	n/a	n/a	\$0.0138	\$915	\$915
(14) Medium Solar	3,497,693	\$0.030	\$106,604	\$0.0138	\$48,093	\$154,697
(15) Commercial Solar	4,933,366	\$0.030	\$150,361	\$0.0138	\$67,834	\$218,194
(16) Large Solar	19,786,494	\$0.030	\$603,059	\$0.0138	\$272,064	\$875,123
(17) Wind	11,037,600	\$0.032	\$349,432	\$0.0138	\$151,767	\$501,199
(18) Hydro	2,592,960	\$0.030	\$76,791	\$0.0138	\$35,653	\$112,445
(19) Anaerobic Digestion	0	\$0.031	\$0	\$0.0138	\$0	\$0
(20) Total			\$1,286,247		\$690,046	\$1,976,293

Section 3: Estimated Net Cost

	<u>Estimated Net Cost</u> (l)
(21) Small Scale Solar - 15 Yr Tariff	\$2,098,868
(22) Small Scale Solar - 20 Yr Tariff	\$328,380
(23) Small Scale Solar II	\$16,748
(24) Medium Solar	\$630,535
(25) Commercial Solar	\$717,912
(26) Large Solar	\$2,241,250
(27) Wind	\$1,334,492
(28) Hydro	\$493,012
(29) Anaerobic Digestion	\$0
(30) Total Estimated Above (Below) Market Cost	\$7,861,196

Column Descriptions:

- (a) estimated
- (b) estimated
- (c) column (a) x column (b) x 8,760
- (d) average of tariffs
- (e) column (c) x column (d)
- (f) per column (c)
- (g) per column (d)
- (h) Market Energy price estimate based on most recent market information
- (i) column (f) x column (g)
- (j) REC price estimate based on market information as of 1/27/20
- (k) column (h) + column (j)
- (l) column (e) - column (k)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Fifth Program Year through March 31, 2020**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)
(1) Small Scale Solar - 15 Yr Tariff	3,041.4	14%	3,729,929	\$0.28	\$1,061,165
(2) Small Scale Solar - 20 Yr Tariff	1,355.9	14%	1,662,876	\$0.25	\$414,888
(3) Small Scale Solar II	75.7	14%	92,883	\$0.28	\$25,682
(4) Medium Solar	7,013.0	14%	8,600,743	\$0.24	\$2,025,475
(5) Commercial Solar	10,434.0	14%	12,421,510	\$0.19	\$2,383,688
(6) Large Solar	18,632.0	14%	23,144,074	\$0.16	\$3,769,012
(7) Wind	4,500.0	21%	8,278,200	\$0.22	\$1,794,990
(8) Hydro	480.0	40%	1,681,920	\$0.27	\$456,641
(9) Anaerobic Digestion	0.0	74%	0	\$0.21	\$0
(10) Commercial & Large Solar Carports	2,000.0	14%	<u>2,452,800</u>	\$0.27	<u>\$661,030</u>
(11) Total	47,532.0		62,064,935		\$12,592,570

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	3,729,929	n/a	n/a	\$0.0418	\$155,725	\$155,725
(13) Small Scale Solar - 20 Yr Tariff	1,662,876	n/a	n/a	\$0.0418	\$69,425	\$69,425
(14) Small Scale Solar II	92,883	n/a	n/a	\$0.0418	\$3,878	\$3,878
(15) Medium Solar	8,600,743	\$0.034	\$294,831	\$0.0418	\$359,081	\$653,912
(16) Commercial Solar	12,421,510	\$0.034	\$425,805	\$0.0418	\$518,598	\$944,403
(17) Large Solar	23,144,074	\$0.034	\$793,371	\$0.0418	\$966,265	\$1,759,636
(18) Wind	8,278,200	\$0.034	\$283,774	\$0.0418	\$345,615	\$629,389
(19) Hydro	1,681,920	\$0.037	\$62,221	\$0.0418	\$70,220	\$132,441
(20) Anaerobic Digestion	0	\$0.033	\$0	\$0.0418	\$0	\$0
(21) Commercial & Large Solar Carports	2,452,800	n/a	n/a	\$0.0418	<u>\$102,404</u>	<u>\$102,404</u>
(22) Total			\$1,860,002		\$2,591,211	\$4,451,213

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$905,440
(24) Small Scale Solar - 20 Yr Tariff	\$345,462
(25) Small Scale Solar II	\$21,804
(26) Medium Solar	\$1,371,563
(27) Commercial Solar	\$1,439,284
(28) Large Solar	\$2,009,376
(29) Wind	\$1,165,601
(30) Hydro	\$324,200
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$558,625</u>
(33) Total Estimated Above (Below) Market Cost	\$8,141,357

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2021**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2774	\$1,782,461	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2433	\$347,422	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2696	\$21,396	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.2296	\$1,320,130	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1871	\$1,522,755	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1588	\$2,306,902	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2628	<u>\$1,444,684</u>	
(11) Total	40,189.8		53,534,476		\$11,350,807	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0334	\$214,454	\$214,454
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0334	\$47,658	\$47,658
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0334	\$2,649	\$2,649
(15) Medium Solar	5,749,694	\$0.035	\$200,093	\$0.0334	\$191,896	\$391,989
(16) Commercial Solar	8,138,720	\$0.035	\$283,233	\$0.0334	\$271,630	\$554,863
(17) Large Solar	14,527,093	\$0.035	\$505,553	\$0.0334	\$484,842	\$990,395
(18) Wind	10,392,048	\$0.035	\$361,651	\$0.0334	\$346,835	\$708,485
(19) Hydro	1,296,725	\$0.037	\$48,606	\$0.0334	\$43,278	\$91,884
(20) Anaerobic Digestion	0	\$0.034	\$0	\$0.0334	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0334	<u>\$183,472</u>	<u>\$183,472</u>
(22) Total			\$1,399,136		\$1,786,713	\$3,185,849

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,568,007
(24) Small Scale Solar - 20 Yr Tariff	\$299,764
(25) Small Scale Solar II	\$18,747
(26) Medium Solar	\$928,140
(27) Commercial Solar	\$967,891
(28) Large Solar	\$1,316,507
(29) Wind	\$1,544,511
(30) Hydro	\$260,177
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,261,213</u>
(33) Total Estimated Above (Below) Market Cost	\$8,164,958

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2022**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2705	\$1,738,125	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2372	\$338,712	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2629	\$20,864	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.2239	\$1,287,357	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1824	\$1,484,503	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1548	\$2,248,794	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	5,497,277	\$0.2562	\$1,408,402	
(11) Total	40,189.8		53,534,476		\$11,131,813	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0321	\$206,422	\$206,422
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0321	\$45,873	\$45,873
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0321	\$2,549	\$2,549
(15) Medium Solar	5,749,694	\$0.036	\$209,289	\$0.0321	\$184,709	\$393,998
(16) Commercial Solar	8,138,720	\$0.036	\$296,249	\$0.0321	\$261,456	\$557,706
(17) Large Solar	14,527,093	\$0.036	\$528,786	\$0.0321	\$466,683	\$995,469
(18) Wind	10,392,048	\$0.037	\$382,427	\$0.0321	\$333,845	\$716,272
(19) Hydro	1,296,725	\$0.039	\$50,702	\$0.0321	\$41,657	\$92,359
(20) Anaerobic Digestion	0	\$0.035	\$0	\$0.0321	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0321	\$176,600	\$176,600
(22) Total			\$1,467,454		\$1,719,795	\$3,187,249

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,531,702
(24) Small Scale Solar - 20 Yr Tariff	\$292,839
(25) Small Scale Solar II	\$18,314
(26) Medium Solar	\$893,359
(27) Commercial Solar	\$926,797
(28) Large Solar	\$1,253,325
(29) Wind	\$1,536,724
(30) Hydro	\$259,702
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	\$1,231,802
(33) Total Estimated Above (Below) Market Cost	\$7,944,564

Column Descriptions:

- (a) estimated
- (b) estimated
- (c) column (a) x column (b) x 8,760
- (d) average of tariffs
- (e) column (c) x column (d)
- (f) per column (c)
- (g) per column (d)
- (h) Market Energy price estimate based on most recent market information
- (h) column (f) x column (g)
- (i) REC price estimate based on market information as of 1/27/20
- (j) column (f) x column (i)
- (k) column (h) + column (j)
- (l) column (e) - column (k)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2023**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2637	\$1,694,431	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2313	\$330,287	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2563	\$20,340	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.2183	\$1,255,158	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1778	\$1,447,064	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1509	\$2,192,138	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2498	<u>\$1,373,220</u>	
(11) Total	40,189.8		53,534,476		\$10,917,695	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0301	\$193,411	\$193,411
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0301	\$42,982	\$42,982
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0301	\$2,389	\$2,389
(15) Medium Solar	5,749,694	\$0.038	\$218,488	\$0.0301	\$173,066	\$391,554
(16) Commercial Solar	8,138,720	\$0.038	\$309,271	\$0.0301	\$244,975	\$554,247
(17) Large Solar	14,527,093	\$0.038	\$552,030	\$0.0301	\$437,265	\$989,295
(18) Wind	10,392,048	\$0.039	\$404,251	\$0.0301	\$312,801	\$717,051
(19) Hydro	1,296,725	\$0.041	\$52,906	\$0.0301	\$39,031	\$91,938
(20) Anaerobic Digestion	0	\$0.037	\$0	\$0.0301	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0301	<u>\$165,468</u>	<u>\$165,468</u>
(22) Total			\$1,536,946		\$1,611,388	\$3,148,334

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,501,020
(24) Small Scale Solar - 20 Yr Tariff	\$287,305
(25) Small Scale Solar II	\$17,951
(26) Medium Solar	\$863,604
(27) Commercial Solar	\$892,818
(28) Large Solar	\$1,202,843
(29) Wind	\$1,535,945
(30) Hydro	\$260,123
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,207,752</u>
(33) Total Estimated Above (Below) Market Cost	\$7,769,361

Column Descriptions:

- (a) estimated
- (b) estimated
- (c) column (a) x column (b) x 8,760
- (d) average of tariffs
- (e) column (c) x column (d)
- (f) per column (c)
- (g) per column (d)
- (h) Market Energy price estimate based on most recent market information
- (h) column (f) x column (g)
- (i) REC price estimate based on market information as of 1/27/20
- (j) column (f) x column (i)
- (k) column (h) + column (j)
- (l) column (e) - column (k)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2024**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2571	\$1,652,022	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2255	\$322,005	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2499	\$19,832	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.2128	\$1,223,535	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1734	\$1,411,254	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1471	\$2,136,935	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2436	<u>\$1,339,137</u>	
(11) Total	40,189.8		53,534,476		\$10,709,776	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0282	\$181,202	\$181,202
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0282	\$40,268	\$40,268
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0282	\$2,238	\$2,238
(15) Medium Solar	5,749,694	\$0.040	\$228,263	\$0.0282	\$162,141	\$390,404
(16) Commercial Solar	8,138,720	\$0.040	\$323,107	\$0.0282	\$229,512	\$552,619
(17) Large Solar	14,527,093	\$0.040	\$576,726	\$0.0282	\$409,664	\$986,390
(18) Wind	10,392,048	\$0.041	\$427,113	\$0.0282	\$293,056	\$720,169
(19) Hydro	1,296,725	\$0.043	\$55,111	\$0.0282	\$36,568	\$91,678
(20) Anaerobic Digestion	0	\$0.039	\$0	\$0.0282	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0282	<u>\$155,023</u>	<u>\$155,023</u>
(22) Total			\$1,610,320		\$1,509,672	\$3,119,992

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,470,820
(24) Small Scale Solar - 20 Yr Tariff	\$281,736
(25) Small Scale Solar II	\$17,594
(26) Medium Solar	\$833,131
(27) Commercial Solar	\$858,635
(28) Large Solar	\$1,150,546
(29) Wind	\$1,532,827
(30) Hydro	\$260,382
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,184,113</u>
(33) Total Estimated Above (Below) Market Cost	\$7,589,785

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2025**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2507	\$1,610,898	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2199	\$314,008	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2437	\$19,340	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.2075	\$1,193,062	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1691	\$1,376,258	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1434	\$2,083,185	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2375	<u>\$1,305,603</u>	
(11) Total	40,189.8		53,534,476		\$10,507,410	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0264	\$169,636	\$169,636
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0264	\$37,698	\$37,698
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0264	\$2,095	\$2,095
(15) Medium Solar	5,749,694	\$0.042	\$238,612	\$0.0264	\$151,792	\$390,404
(16) Commercial Solar	8,138,720	\$0.042	\$337,757	\$0.0264	\$214,862	\$552,619
(17) Large Solar	14,527,093	\$0.042	\$602,874	\$0.0264	\$383,515	\$986,390
(18) Wind	10,392,048	\$0.044	\$452,054	\$0.0264	\$274,350	\$726,404
(19) Hydro	1,296,725	\$0.044	\$57,445	\$0.0264	\$34,234	\$91,678
(20) Anaerobic Digestion	0	\$0.041	\$0	\$0.0264	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0264	<u>\$145,128</u>	<u>\$145,128</u>
(22) Total			\$1,688,743		\$1,413,310	\$3,102,053

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,441,262
(24) Small Scale Solar - 20 Yr Tariff	\$276,310
(25) Small Scale Solar II	\$17,245
(26) Medium Solar	\$802,657
(27) Commercial Solar	\$823,638
(28) Large Solar	\$1,096,795
(29) Wind	\$1,526,592
(30) Hydro	\$260,382
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,160,475</u>
(33) Total Estimated Above (Below) Market Cost	\$7,405,358

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2026**

Section 1: Estimated Annual Performance-Based Incentive Payments

<u>Unit</u>	<u>Unit Capacity (kW)</u> (a)	<u>Unit Availability Factor</u> (b)	<u>Estimated Program Year Output (kWh)</u> (c)	<u>Tariff Price (\$ per kWh)</u> (d)	<u>Estimated Program Year Cost</u> (e)	<u>Community</u>
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2444	\$1,570,417	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2144	\$306,154	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2376	\$18,856	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.2023	\$1,163,163	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1649	\$1,342,075	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1398	\$2,030,888	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2316	<u>\$1,273,169</u>	
(11) Total	40,189.8		53,534,476		\$10,309,779	

Section 2: Estimated Market Value

<u>Class</u>	<u>Estimated kWh Purchased Under Tariffs</u> (f)	<u>Market Energy Proxy</u> (g)	<u>Energy Market Value</u> (h)	<u>REC Proxy</u> (i)	<u>REC Market Value</u> (j)	<u>Total Market Value</u> (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0247	\$158,712	\$158,712
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0247	\$35,271	\$35,271
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0247	\$1,960	\$1,960
(15) Medium Solar	5,749,694	\$0.043	\$249,537	\$0.0247	\$142,017	\$391,554
(16) Commercial Solar	8,138,720	\$0.043	\$353,220	\$0.0247	\$201,026	\$554,247
(17) Large Solar	14,527,093	\$0.043	\$630,476	\$0.0247	\$358,819	\$989,295
(18) Wind	10,392,048	\$0.046	\$478,034	\$0.0247	\$256,684	\$734,718
(19) Hydro	1,296,725	\$0.046	\$59,909	\$0.0247	\$32,029	\$91,938
(20) Anaerobic Digestion	0	\$0.044	\$0	\$0.0247	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0247	<u>\$135,783</u>	<u>\$135,783</u>
(22) Total			\$1,771,176		\$1,322,302	\$3,093,477

Section 3: Estimated Net Cost

	<u>Estimated Net Cost</u> (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,411,704
(24) Small Scale Solar - 20 Yr Tariff	\$270,884
(25) Small Scale Solar II	\$16,896
(26) Medium Solar	\$771,609
(27) Commercial Solar	\$787,828
(28) Large Solar	\$1,041,593
(29) Wind	\$1,518,278
(30) Hydro	\$260,123
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,137,387</u>
(33) Total Estimated Above (Below) Market Cost	\$7,216,301

Column Descriptions:

- (a) estimated
- (b) estimated
- (c) column (a) x column (b) x 8,760
- (d) average of tariffs
- (e) column (c) x column (d)
- (f) per column (c)
- (g) per column (d)
- (h) Market Energy price estimate based on most recent market information
- (i) REC price estimate based on market information as of 1/27/20
- (j) column (f) x column (i)
- (k) column (h) + column (j)
- (l) column (e) - column (k)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2027**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2383	\$1,531,221	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2090	\$298,443	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2317	\$18,388	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.1972	\$1,133,840	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1608	\$1,308,706	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1363	\$1,980,043	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2258	<u>\$1,241,285</u>	
(11) Total	40,189.8		53,534,476		\$10,116,982	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0232	\$149,074	\$149,074
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0232	\$33,129	\$33,129
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0232	\$1,841	\$1,841
(15) Medium Solar	5,749,694	\$0.045	\$261,036	\$0.0232	\$133,393	\$394,429
(16) Commercial Solar	8,138,720	\$0.045	\$369,498	\$0.0232	\$188,818	\$558,316
(17) Large Solar	14,527,093	\$0.045	\$659,530	\$0.0232	\$337,029	\$996,559
(18) Wind	10,392,048	\$0.049	\$506,093	\$0.0232	\$241,096	\$747,188
(19) Hydro	1,296,725	\$0.048	\$62,502	\$0.0232	\$30,084	\$92,586
(20) Anaerobic Digestion	0	\$0.046	\$0	\$0.0232	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0232	<u>\$127,537</u>	<u>\$127,537</u>
(22) Total			\$1,858,659		\$1,242,000	\$3,100,659

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,382,147
(24) Small Scale Solar - 20 Yr Tariff	\$265,315
(25) Small Scale Solar II	\$16,547
(26) Medium Solar	\$739,411
(27) Commercial Solar	\$750,390
(28) Large Solar	\$983,484
(29) Wind	\$1,505,808
(30) Hydro	\$259,475
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,113,748</u>
(33) Total Estimated Above (Below) Market Cost	\$7,016,324

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2028**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2323	\$1,492,667	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.2038	\$291,018	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2259	\$17,928	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.1923	\$1,105,666	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1568	\$1,276,151	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1329	\$1,930,651	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2202	<u>\$1,210,500</u>	
(11) Total	40,189.8		53,534,476		\$9,929,638	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0217	\$139,436	\$139,436
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0217	\$30,987	\$30,987
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0217	\$1,722	\$1,722
(15) Medium Solar	5,749,694	\$0.048	\$273,110	\$0.0217	\$124,768	\$397,879
(16) Commercial Solar	8,138,720	\$0.048	\$386,589	\$0.0217	\$176,610	\$563,199
(17) Large Solar	14,527,093	\$0.048	\$690,037	\$0.0217	\$315,238	\$1,005,275
(18) Wind	10,392,048	\$0.052	\$535,190	\$0.0217	\$225,507	\$760,698
(19) Hydro	1,296,725	\$0.050	\$65,096	\$0.0217	\$28,139	\$93,235
(20) Anaerobic Digestion	0	\$0.049	\$0	\$0.0217	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0217	<u>\$119,291</u>	<u>\$119,291</u>
(22) Total			\$1,950,023		\$1,161,698	\$3,111,721

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,353,231
(24) Small Scale Solar - 20 Yr Tariff	\$260,031
(25) Small Scale Solar II	\$16,205
(26) Medium Solar	\$707,787
(27) Commercial Solar	\$712,952
(28) Large Solar	\$925,376
(29) Wind	\$1,492,298
(30) Hydro	\$258,826
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,091,209</u>
(33) Total Estimated Above (Below) Market Cost	\$6,817,917

Column Descriptions:

- (a) estimated
- (b) estimated
- (c) column (a) x column (b) x 8,760
- (d) average of tariffs
- (e) column (c) x column (d)
- (f) per column (c)
- (g) per column (d)
- (h) Market Energy price estimate based on most recent market information
- (h) column (f) x column (g)
- (i) REC price estimate based on market information as of 1/27/20
- (j) column (f) x column (i)
- (k) column (h) + column (j)
- (l) column (e) - column (k)

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2029**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.4	14%	6,425,600	\$0.2265	\$1,455,398	
(2) Small Scale Solar - 20 Yr Tariff	1,164.4	14%	1,427,959	\$0.1987	\$283,735	
(3) Small Scale Solar II	64.7	14%	79,360	\$0.2203	\$17,483	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.1875	\$1,078,068	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1529	\$1,244,410	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1296	\$1,882,711	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2147	<u>\$1,180,265</u>	
(11) Total	40,189.8		53,534,476		\$9,747,128	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,600	n/a	n/a	\$0.0203	\$130,440	\$130,440
(13) Small Scale Solar - 20 Yr Tariff	1,427,959	n/a	n/a	\$0.0203	\$28,988	\$28,988
(14) Small Scale Solar II	79,360	n/a	n/a	\$0.0203	\$1,611	\$1,611
(15) Medium Solar	5,749,694	\$0.050	\$285,185	\$0.0203	\$116,719	\$401,904
(16) Commercial Solar	8,138,720	\$0.050	\$403,681	\$0.0203	\$165,216	\$568,897
(17) Large Solar	14,527,093	\$0.050	\$720,544	\$0.0203	\$294,900	\$1,015,544
(18) Wind	10,392,048	\$0.055	\$566,367	\$0.0203	\$210,959	\$777,325
(19) Hydro	1,296,725	\$0.052	\$67,819	\$0.0203	\$26,324	\$94,142
(20) Anaerobic Digestion	0	\$0.051	\$0	\$0.0203	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0203	<u>\$111,595</u>	<u>\$111,595</u>
(22) Total			\$2,043,594		\$1,086,750	\$3,130,344

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,324,959
(24) Small Scale Solar - 20 Yr Tariff	\$254,748
(25) Small Scale Solar II	\$15,872
(26) Medium Solar	\$676,164
(27) Commercial Solar	\$675,514
(28) Large Solar	\$867,267
(29) Wind	\$1,475,671
(30) Hydro	\$257,919
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,068,671</u>
(33) Total Estimated Above (Below) Market Cost	\$6,616,784

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

**Renewable Energy Growth Program Cost Recovery
Estimated Performance-Based Incentive Payments and Market Value
for the Units Approved in the Sixth Program Year through March 31, 2030**

Section 1: Estimated Annual Performance-Based Incentive Payments

Unit	Unit Capacity (kW) (a)	Unit Availability Factor (b)	Estimated Program Year Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Program Year Cost (e)	Community
(1) Small Scale Solar - 15 Yr Tariff	5,239.1	14%	6,425,232	\$0.2208	\$1,418,691	
(2) Small Scale Solar - 20 Yr Tariff	1,164.2	14%	1,427,714	\$0.1937	\$276,548	
(3) Small Scale Solar II	64.5	14%	79,115	\$0.2148	\$16,994	
(4) Medium Solar	4,688.3	14%	5,749,694	\$0.1828	\$1,051,044	
(5) Commercial Solar	6,836.5	14%	8,138,720	\$0.1491	\$1,213,483	
(6) Large Solar	11,695.0	14%	14,527,093	\$0.1264	\$1,836,225	
(7) Wind	5,649.1	21%	10,392,048	\$0.2168	\$2,252,996	
(8) Hydro	370.1	40%	1,296,725	\$0.2715	\$352,061	
(9) Anaerobic Digestion	0.0	74%	0	\$0.2085	\$0	
(10) Commercial & Large Solar Carports	4,482.5	14%	<u>5,497,277</u>	\$0.2093	<u>\$1,150,580</u>	
(11) Total	40,189.1		53,533,617		\$9,568,622	

Section 2: Estimated Market Value

Class	Estimated kWh Purchased Under Tariffs (f)	Market Energy Proxy (g)	Energy Market Value (h)	REC Proxy (i)	REC Market Value (j)	Total Market Value (k)
(12) Small Scale Solar - 15 Yr Tariff	6,425,232	n/a	n/a	\$0.0190	\$122,079	\$122,079
(13) Small Scale Solar - 20 Yr Tariff	1,427,714	n/a	n/a	\$0.0190	\$27,127	\$27,127
(14) Small Scale Solar II	79,115	n/a	n/a	\$0.0190	\$1,503	\$1,503
(15) Medium Solar	5,749,694	\$0.052	\$297,834	\$0.0190	\$109,244	\$407,078
(16) Commercial Solar	8,138,720	\$0.052	\$421,586	\$0.0190	\$154,636	\$576,221
(17) Large Solar	14,527,093	\$0.052	\$752,503	\$0.0190	\$276,015	\$1,028,518
(18) Wind	10,392,048	\$0.058	\$598,582	\$0.0190	\$197,449	\$796,031
(19) Hydro	1,296,725	\$0.055	\$70,672	\$0.0190	\$24,638	\$95,309
(20) Anaerobic Digestion	0	\$0.054	\$0	\$0.0190	\$0	\$0
(21) Commercial & Large Solar Carports	5,497,277	n/a	n/a	\$0.0190	<u>\$104,448</u>	<u>\$104,448</u>
(22) Total			\$2,141,177		\$1,017,139	\$3,158,315

Section 3: Estimated Net Cost

	Estimated Net Cost (l)
(23) Small Scale Solar - 15 Yr Tariff	\$1,296,612
(24) Small Scale Solar - 20 Yr Tariff	\$249,422
(25) Small Scale Solar II	\$15,491
(26) Medium Solar	\$643,966
(27) Commercial Solar	\$637,262
(28) Large Solar	\$807,706
(29) Wind	\$1,456,965
(30) Hydro	\$256,752
(31) Anaerobic Digestion	\$0
(32) Commercial & Large Solar Carports	<u>\$1,046,132</u>
(33) Total Estimated Above (Below) Market Cost	\$6,410,306

Column Descriptions:

- | | |
|--|--|
| (a) estimated | (h) column (f) x column (g) |
| (b) estimated | (i) REC price estimate based on market information as of 1/27/20 |
| (c) column (a) x column (b) x 8,760 | (j) column (f) x column (i) |
| (d) average of tariffs | (k) column (h) + column (j) |
| (e) column (c) x column (d) | (l) column (e) - column (k) |
| (f) per column (c) | |
| (g) per column (d) | |
| (h) Market Energy price estimate based on most recent market information | |

The Narragansett Electric Company
d/b/a National Grid
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In Re: 2020 Renewable Energy Growth Program
Responses to the Commission’s Third Set of Data Requests
Issued on January 16, 2020

PUC 3-2

Request:

Please provide a table showing the original targets and revised targets for each of the five Renewable Energy Growth Program years. Please include the amount enrolled in each class. Please include a column showing the cancellations for each year in each class. Please include total where appropriate.

Response:

The Company interprets the request for “revised targets” to mean the actual enrollment level after reallocation of annual capacity between classes, as allowed by the program enrollment rules and approvals. Small-Scale Solar is current as of January 6, 2020. All other data, in all tables, is provided based on available information as of January 17, 2020.

Renewable Energy Growth Program - 2015 Program Year

Renewable Energy Class (Nameplate kW)	Annual Enrollment Target (Nameplate kW)	Total Awarded		Cancelled/Terminated	
		Nameplate kW	Projects	Nameplate kW	Projects
Small-Scale Solar (1-25 kW DC)	3,000	3,395	483	281	44
Medium-Scale Solar (26-250 kW DC)	4,000	2,683	11	500	2
Commercial-Scale Solar (251-999 kW DC)	5,500	4,147	5	0	0
Large-Scale Solar (1,000-5,000 kW DC)	6,000	6,644	2	0	0
Wind (1,500-2,999 kW)	5,000	1,500	1	0	0
Wind (3,000-5,000 kW)		4,500	1	0	0
Anaerobic Digestion (150-1,000 kW)	1,500	0	0	0	0
Small-Scale Hydropower (10-250 kW)		0	0	0	0
Small-Scale Hydropower (251-1,000 kW)		0	0	0	0
Total:	25,000 kW	22,869 kW		781 kW	

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Responses to the Commission's Third Set of Data Requests
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Renewable Energy Growth Program - 2016 Program Year

Renewable Energy Class (Nameplate kW)	Annual Enrollment Target (Nameplate kW)	Total Awarded		Cancelled/Terminated	
		Nameplate kW	Projects	Nameplate kW	Projects
Small-Scale Solar (1-25 kW DC)	5,500	7,154	1,027	836	122
Medium-Scale Solar (26-250 kW DC)	5,000	4,495	18	1,998	8
Commercial-Scale Solar (251-999 kW DC)	8,000	7,559	8	1,629	2
Large-Scale Solar (1,000-5,000 kW DC)	11,000	7,854	2	7,854	2
Wind (1,500-2,999 kW)	9,000	3,000	2	3,000	2
Wind (3,000-5,000 kW; 2-turbine)		0	0	0	0
Wind (3,000-5,000 kW; 3-turbine)		0	0	0	0
Anaerobic Digestion (150-500 kW)	1,500	0	0	0	0
Anaerobic Digestion (501-1,000 kW)		0	0	0	0
Small-Scale Hydropower (10-250 kW)		0	0	0	0
Small-Scale Hydropower (251-1,000 kW)		0	0	0	0
Total:	40,000 kW	30,062 kW		15,317 kW	

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Responses to the Commission's Third Set of Data Requests
Issued on January 16, 2020

Renewable Energy Growth Program - 2017 Program Year

Renewable Energy Class (Nameplate kW)	Annual Enrollment Target (Nameplate kW)	Total Awarded		Cancelled/Terminated		
		Nameplate kW	Projects	Nameplate kW	Projects	
Small-Scale Solar (1-25 kW DC)	6,550	7,044	1,105	861	143	
Medium-Scale Solar (26-250 kW DC)	3,000	3,619	16	1,498	6	
Commercial-Scale Solar (251-999 kW DC)	5,000	5,333	6	653	1	
Large-Scale Solar (1,000-5,000 kW DC)	12,050	11,850	5	0	0	
Small Wind (10-999 kW)	400	0	0	0	0	
Wind I (1,000-2,999 kW)	6,000	0	0	0	0	
Wind II (3,000-5,000 kW; 2-turbine)		6,000	2	0	0	
Wind III (3,000-5,000 kW; 3-turbine)		0	0	0	0	
CRDG Wind I (1,000-2,999 kW DC)		0	0	0	0	
CRDG Wind II (3,000-5,000 kW DC; 2-turbine)		0	0	0	0	
CRDG Wind III (3,000-5,000 kW DC; 3-turbine)		0	0	0	0	
CRDG Commercial Solar (251-999 kW DC)		3,000	2,991	3	0	0
CRDG Large Solar (1,000-5,000 kW DC)		3,000	3,000	1	0	0
Anaerobic Digestion I (150-500 kW)	1,000	0	0	0	0	
Anaerobic Digestion II (501-1,000 kW)		0	0	0	0	
Small Scale Hydropower I (10-250 kW)		0	0	0	0	
Small Scale Hydropower II (251-1,000 kW)		450	1	0	0	
Total:	40,000 kW	40,287 kW		3,012 kW		

Prepared by or under the supervision of: Vishal Ahirrao

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Issued on January 16, 2020

Renewable Energy Growth Program - 2018 Program Year

Renewable Energy Class (Nameplate kW)	Annual Enrollment Target (Nameplate kW)	Total Awarded		Cancelled/Terminated	
		Nameplate kW	Projects	Nameplate kW	Projects
Small-Scale Solar (1-25 kW DC)	6,550	7,015	1,052	217	35
Medium-Scale Solar (26-250 kW DC)	3,000	3,102	20	250	1
Commercial-Scale Solar (251-999 kW DC)	5,000	5,110	6	1,963	2
Large-Scale Solar (1,000-5,000 kW DC)	12,050	14,479	4	1,549	1
Small Wind (10-999 kW)	400	0	0	0	0
Wind I (1,000-2,999 kW)	6,000	0	0	0	0
Wind II (3,000-5,000 kW; 2-turbine)		6,000	2	0	0
Wind III (3,000-5,000 kW; 3-turbine)		0	0	0	0
CRDG Wind I (1,000-2,999 kW DC)		0	0	0	0
CRDG Wind II (3,000-5,000 kW DC; 2-turbine)		0	0	0	0
CRDG Wind III (3,000-5,000 kW DC; 3-turbine)		0	0	0	0
CRDG Commercial Solar (251-999 kW DC)		3,000	997	1	0
CRDG Large Solar (1,000-5,000 kW DC)	3,000	2,999	2	0	0
Anaerobic Digestion I (150-500 kW)	1,000	0	0	0	0
Anaerobic Digestion II (501-1,000 kW)		0	0	0	0
Small Scale Hydropower I (10-250 kW)		0	0	0	0
Small Scale Hydropower II (251-1,000 kW)		740	1	0	0
Total:	40,000 kW	40,442 kW		3,979 kW	

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Responses to the Commission's Third Set of Data Requests
Issued on January 16, 2020

Renewable Energy Growth Program - 2019 Program Year

Renewable Energy Class (Nameplate kW)	Annual Enrollment Target (Nameplate kW)	Total Awarded		Cancelled/Terminated	
		Nameplate kW	Projects	Nameplate kW	Projects
Small-Scale Solar (1-25 kW DC)	12,230	4,590	648	117	15
Medium-Scale Solar (26-250 kW DC)	6,800	7,262	36	249	1
Commercial-Scale Solar (251-999 kW DC)	7,300	8,404	11	0	0
Large-Scale Solar (1,000-5,000 kW DC)	11,300	15,239	5	0	0
Small Wind (10-999 kW)	400	0	0	0	0
Wind I (1,000-2,999 kW)	6,000	1,500	1	0	0
Wind II (3,000-5,000 kW; 2-turbine)		3,000	1	0	0
Wind III (3,000-5,000 kW; 3-turbine)		0	0	0	0
CRDG Wind I (1,000-2,999 kW DC)		0	0	0	0
CRDG Wind II (3,000-5,000 kW DC; 2-turbine)		0	0	0	0
CRDG Wind III (3,000-5,000 kW DC; 3-turbine)		0	0	0	0
CRDG Commercial Solar (251-999 kW DC)		5,000	4,030	5	0
CRDG Large Solar (1,000-5,000 kW DC)	5,300	3,393	1	0	0
Anaerobic Digestion (1-5,000 kW)	1,000	0	0	0	0
Hydropower (1-5,000 kW)		480	1	0	0
Total:	55,330 kW	47,898 kW		366 kW	

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Responses to the Commission’s Third Set of Data Requests
Issued on January 16, 2020

PUC 3-3

Request:

What are the projected enrollments by year that are expected/projected going forward that will be necessary to meet the program goals?

Response:

The Company does not project enrollments for the RE Growth program because the capacity allocations to individual classes and technologies are determined by the Distributed Generation Board and are subject to the DG Board’s review process, which takes into consideration changes in technology, finance, the law, and state public policy goals.

However, using the program enrollments to date as a guide, an approximation of the potential enrollments by class and technology can be estimated for the 406.49 MW that is currently expected to be offered over the program life through 2030 (end of the 2029 program year).

Please see the table below on the enrollments by year in kW and the resulting percentages by solar size class and other technologies. Please note that the Commercial and Large Solar classes include projects that have enrolled via the applicable Community Remote Distributed Generation classes. Also, cancelled project capacity is not removed from these figures.

	2015	2016	2017	2018	2019	Class Totals	% of Total
Small Solar	3,395	7,154	7,044	7,015	4,590	29,198	16.1%
Medium Solar	2,683	4,495	3,619	3,102	7,262	21,161	11.7%
Commercial Solar	4,147	7,559	8,324	6,107	12,434	38,571	21.2%
Large Solar	6,644	7,854	14,850	17,478	18,632	65,458	36.1%
Wind > 1.5 MW	6,000	3,000	6,000	6,000	4,500	25,500	14.0%
Hydro	-	-	450	740	480	1,670	0.9%
AD	-	-	-	-	-	-	0.0%
Total	22,869	30,062	40,287	40,442	47,898	181,558	100.0%

Please see below the application of the percentages resulting from the RE Growth program enrollments from 2015-2019 to the 406.488 MW of capacity expected to be available from 2020 to 2029, which includes 6.488 MW of capacity rolled over from cancelled project capacity in the 2020 program year.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4983
In Re: 2020 Renewable Energy Growth Program
Responses to the Commission's Third Set of Data Requests
Issued on January 16, 2020

2020-2029 Capacity	406.49
Small Solar	65.37
Medium Solar	47.38
Commercial Solar	86.36
Large Solar	146.55
Wind > 1.5 MW	57.09
Hydro	3.74
AD	0.00

The Narragansett Electric Company
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RIPUC Docket No. 4983
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Issued on January 16, 2020

PUC 3-4

Request:

How many MW of new net metering has become operational in each of the past five years?

Response:

Since January 2015, a total of 160.6 MW-AC have become operational as part of the Net Metering Program. Please see the table below for MW-AC connected per calendar year (CY).

Year	MWAC Operational
2015	2.7
2016	16.8
2017	10.9
2018	46.0
2019	83.4
2020	0.8
Total	160.6

PUC 3-5

Request:

How many MW of new net metering has been installed during the period April 1, 2019 to date? Please provide sizes equivalent to the class sizes in the Renewable Energy Growth Program.

Response:

Between April 1, 2019 and January 22, 2020, 84.6 MW of new net metering projects have been installed and connected to the Company's distribution system. A breakdown of MW-AC connected and MW-AC storage capacity by RE Growth Program size classes is provided in the table below.

Equivalent Renewable Energy Class Size	MW AC Connected
Solar < 25	6.84
Solar 26 - 250 kW	0.84
Solar 251 - 999 kW	0.72
Solar 1000 -5000 kW	25.9
Solar > 5000 kW	50.3
Wind < 1000 kW	0.02
Total	84.6

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PUC 3-6

Request:

How many MW of net metering is pending approval by the Company? Please provide sizes equivalent to the class sizes in the Renewable Energy Growth Program.

Response:

As of January 2020, there are 1,214.3 MW-AC of pending net metering projects in the Company's interconnection queue. A breakdown of MW-AC of eligible net metering resource capacity by size classes is provided in the table below. Please note that RE Growth classes for solar are in DC capacity, and net metering projects are tracked in AC capacity. Given typical ratio of DC to AC capacity of 1.2, the total DC amount of net metering projects is likely closer to 1,460 MW DC. Each of the solar class amounts would also be approximately 120% of the AC amount in DC terms, and some projects would shift into a higher class bracket.

<u>Net Metering Projects Currently Pending</u>	
	MW-AC Net Meter Resource Pending
Solar < 25kW	5.3
Solar 26 - 250 kW	5.1
Solar 251 - 999 kW	15.6
Solar 1000 - 5000 kW	379.0
Solar > 5000 kW	792.9
Wind < 1000 kW	0.0
Wind 1000 - 2999 kW	16.0
Battery Addition < 25 kW	0.008
Hydropower 1 - 250 kW	0.002
Hydropower 251 - 999 kW	0.5
Total	1,214.4