

January 4, 2010

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4111 – Review of Proposed Town of New Shoreham Project  
Pursuant to RI General Laws § 39-26.1-7  
Responses to Division Data Requests – Set 1**

Dear Ms. Massaro:

Enclosed please find ten (10) copies of the National Grid's<sup>1</sup> responses to the Division of Public Utilities and Carriers' (the "Division") First Set of Data Requests issued on December 22, 2009, in the above-captioned proceeding.

In this transmittal, National Grid is providing responses to the following Division Data Requests: DIV 1-4; DIV 1-6; and DIV 1-8. The Company's responses to the Division's remaining Data Requests will be forthcoming.

Thank you for your attention to this transmittal. If you have any questions, please feel free to contact me at (781) 907-2121.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4111 Service List  
Leo Wold, Esq.

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<sup>1</sup> Submitted on behalf of The Narragansett Electric Company d/b/a National Grid ("Company").

Certificate of Service

I hereby certify that a copy of the cover letter and / or any materials accompanying this certificate has been electronically transmitted, sent via U.S. mail or hand-delivered to the individuals listed below.



\_\_\_\_\_  
Joanne M. Scanlon

January 4, 2010  
Date

**National Grid – Review of Proposed Town of New Shoreham Project  
Docket No. 4111 - Service List Updated 12/29/2009**

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Division Data Request 1-4

Request:

Please describe in as much detail as possible the interconnection that is being analyzed by the system impact study. Which of the options described in Mr. Glenning's testimony will be studied as part of the system impact study. Also, when does National Grid expect to complete the system impact study. Please provide a copy of the system impact study when it is completed.

Response:

The primary interconnection that is being analyzed by the system impact study ("SIS") is a 34.5 kV connection with the 3302 line in Narragansett, Rhode Island. As stated in Mr. Glenning's testimony, the 3302 line is a 34.5 kV radial line consisting of one 2/0 Cu conductor originating at the Wakefield Substation and terminating at an open recloser north of the Bonnet Substation. The 34.5 kV transmission cable connecting Block Island to the mainland of Rhode Island consists of an approximately 20.44-mile-long submarine portion making landfall at the State of Rhode Island-owned pier in Narragansett and an approximately 2.52-mile-long overland portion running within the layout of RIDOT-owned roads and connecting to a point on the 3302 line east of the Wakefield Substation in Narragansett, Rhode Island.

Prior to the commencement of the SIS, the following options described in Mr. Glenning's testimony were reviewed as alternative interconnections:

1. A 34.5 kV interconnection with the 3307 line at a point between the Wakefield Substation and the West Kingston Substation.
2. A 34.5 kV interconnection at the Wood River Substation located in Charlestown, Rhode Island.

National Grid calculated the approximate costs to interconnect at the primary and alternative interconnection points and provided these costs estimates to Deepwater, as noted in Mr. Glenning's testimony. Because an SIS requires a single interconnection point before the study can proceed, Deepwater then selected the 3302 line interconnection option as the single interconnection point to be used for the SIS. Currently, the 3302 line interconnection option is undergoing thermal, voltage, and short circuit studies, which are scheduled to be completed by the end of February 2010.

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Division Data Request 1-4 (cont.)

We currently expect that the completed SIS will be available in June 2010 at the earliest. Upon completion of the thermal, voltage, and short circuit studies, the stability analysis would commence; this analysis generally takes two months to complete. In addition, any and all comments raised as a result of reviews by ISO-NE, NEPOOL Transmission Working Group, and NEPOOL Stability Working Group need to be resolved in order to complete the SIS.

A copy of the SIS will be made available through a supplemental response to this data request when the study has been completed.

Division Data Request 1-6

Request:

Please describe in detail whether National Grid has had any communications, or exchanged any information, with Block Island Power Company regarding the use of the Transmission Cable (from Block Island to the mainland), including but not limited to how cable capacity and costs will be shared between National Grid, Deepwater, and Block Island Power Company and if so, please provide copies of all related documents.

Response:

National Grid has had preliminary communications with Block Island Power Company for the purpose of setting up a meeting to discuss how National Grid's standard transmission rates would apply absent the Transmission Cable; however, a meeting has not yet been scheduled. National Grid has not exchanged any information with Block Island Power Company about capacity or cost-sharing of the Transmission Cable.

Division Data Request 1-8

Request:

Please provide the work papers and electronic files used to prepare Mr. Tufts Exhibit DET-1 in Excel spreadsheet format with all formulae intact.

Response:

Attached is a revised Exhibit DET-1 to the testimony of David E. Tufts in Excel spreadsheet format. The attached exhibit incorporates the following corrections: the ROE was revised from 10.50% to 11.14% to reflect the base Return on Equity that currently applies to transmission rate base; and the debt rate was changed from 7.57% to 7.99% to reflect the debt rate that currently applies to transmission rate base.

Prepared by or under the supervision of: David E. Tufts

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**Narragansett Electric Company  
Block Island Cable  
Cost of Service**

Narragansett Electric Company  
d/b/a National Grid  
R.I.P.U.C. Docket No. 4111  
Schedule DET-1  
Page 1 of 5

**Revenue Requirement**

<u>Year</u>	<u>Average</u> <u>Rate Base</u>	<u>Pre-tax</u> <u>ROR</u>	<u>Total</u> <u>Ret. &amp; Taxes</u>	<u>Book</u> <u>Depr.</u>	<u>Issue Costs</u> <u>Amort</u>	<u>Property</u> <u>Taxes</u>	<u>Total</u> <u>Rev Req</u>	<u>kWh</u>	<u>per kWh</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1 2012	\$21,347,219	12.57%	\$2,682,278	\$1,062,500	\$37,188	\$1,127,100	\$4,909,066	8,106,768,760	\$0.00060
2 2013	\$40,698,531	12.57%	\$5,113,770	\$2,125,000	\$37,188	\$1,069,300	\$8,345,258	8,106,768,760	\$0.00102
3 2014	\$38,238,844	12.57%	\$4,804,711	\$2,125,000	\$37,188	\$1,011,500	\$7,978,398	8,106,768,760	\$0.00098
4 2015	\$35,860,969	12.57%	\$4,505,931	\$2,125,000	\$37,188	\$953,700	\$7,621,818	8,106,768,760	\$0.00094
5 2016	\$33,550,031	12.57%	\$4,215,561	\$2,125,000	\$37,188	\$895,900	\$7,273,649	8,106,768,760	\$0.00089
6 2017	\$31,306,031	12.57%	\$3,933,603	\$2,125,000	\$37,188	\$838,100	\$6,933,890	8,106,768,760	\$0.00085
7 2018	\$29,128,969	12.57%	\$3,660,055	\$2,125,000	\$37,188	\$780,300	\$6,602,542	8,106,768,760	\$0.00081
8 2019	\$27,003,969	12.57%	\$3,393,049	\$2,125,000	\$37,188	\$722,500	\$6,277,736	8,106,768,760	\$0.00077
9 2020	\$24,916,156	12.57%	\$3,130,715	\$2,125,000	\$37,188	\$664,700	\$5,957,603	8,106,768,760	\$0.00073
10 2021	\$22,843,219	12.57%	\$2,870,250	\$2,125,000	\$37,188	\$606,900	\$5,639,338	8,106,768,760	\$0.00069
11 2022	\$20,770,281	12.57%	\$2,609,786	\$2,125,000	\$37,188	\$549,100	\$5,321,073	8,106,768,760	\$0.00065
12 2023	\$18,697,344	12.57%	\$2,349,321	\$2,125,000	\$37,188	\$491,300	\$5,002,809	8,106,768,760	\$0.00061
13 2024	\$16,624,406	12.57%	\$2,088,857	\$2,125,000	\$37,188	\$433,500	\$4,684,544	8,106,768,760	\$0.00057
14 2025	\$14,551,469	12.57%	\$1,828,392	\$2,125,000	\$37,188	\$375,700	\$4,366,280	8,106,768,760	\$0.00053
15 2026	\$12,478,531	12.57%	\$1,567,927	\$2,125,000	\$37,188	\$317,900	\$4,048,015	8,106,768,760	\$0.00049
16 2027	\$10,405,594	12.57%	\$1,307,463	\$2,125,000	\$37,188	\$260,100	\$3,729,750	8,106,768,760	\$0.00046
17 2028	\$8,332,656	12.57%	\$1,046,998	\$2,125,000	\$37,188	\$202,300	\$3,411,486	8,106,768,760	\$0.00042
18 2029	\$6,259,719	12.57%	\$786,534	\$2,125,000	\$37,188	\$144,500	\$3,093,221	8,106,768,760	\$0.00038
19 2030	\$4,186,781	12.57%	\$526,069	\$2,125,000	\$37,188	\$86,700	\$2,774,957	8,106,768,760	\$0.00034
20 2031	\$2,113,844	12.57%	\$265,604	\$2,125,000	\$37,188	\$28,900	\$2,456,692	8,106,768,760	\$0.00030
21 2032	\$538,688	12.57%	\$67,686	\$1,062,500	\$0	\$0	\$1,130,186	8,106,768,760	\$0.00013

NOTES:

COL(2) = SEE PAGE 3 OF 5

COL(3) = SEE PAGE 2 OF 5

COL(4) = COL(2) X COL(3)

COL(5) = SEE PAGE 4 OF 5

COL(6) = SEE PAGE 5 OF 5

COL(7) = % OF MUNICIPAL TAXES TO AVG 2008 NET PLANT X NET PLANT

COL(8) = [COL(4) + COL(5) + COL(6) + COL(7)]

COL(9) = 2012 FORECASTED kWh DELIVERIES

COL(10) = COL(8) X COL(9)



Narragansett Electric Company  
 Block Island Cable  
 Cost of Service

Capital Structure & ROR

	Avg	B.O.Y. LTD	0.00%	E.O.Y. LTD	Avg LTD	Actual	7.99%	Weighted	Avg	50.00%	11.14%	Weighted	35.000%	Total		
Year	Rate Base	Outstand	Sinker	Outstand	Outstand	Weight	Cost (a)	LTD cost	Equity	Weight	Cost (a)	Eqty cost	Taxes	ROR	Pre-tax Weighted Cost of	
1 2012	21,347,219	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	97,219	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	99.54%
2 2013	40,698,531	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	19,448,531	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	52.21%
3 2014	38,238,844	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	16,988,844	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	55.57%
4 2015	35,860,969	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	14,610,969	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	59.26%
5 2016	33,550,031	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	12,300,031	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	63.34%
6 2017	31,306,031	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	10,056,031	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	67.88%
7 2018	29,128,969	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	7,878,969	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	72.95%
8 2019	27,003,969	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	5,753,969	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	78.69%
9 2020	24,916,156	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	3,666,156	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	85.29%
10 2021	22,843,219	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	1,593,219	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	93.03%
11 2022	20,770,281	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
12 2023	18,697,344	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
13 2024	16,624,406	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
14 2025	14,551,469	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
15 2026	12,478,531	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
16 2027	10,405,594	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
17 2028	8,332,656	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
18 2029	6,259,719	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
19 2030	4,186,781	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
20 2031	2,113,844	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%
21 2032	538,688	21,250,000	0	21,250,000	21,250,000	50.00%	7.99%	4.00%	0	50.00%	11.14%	5.57%	3.00%	12.57%	9.57%	100.00%

**Narragansett Electric Company**  
**Block Island Cable**  
**Cost of Service**

Narragansett Electric Company  
d/b/a National Grid  
R.I.P.U.C. Docket No. 4111  
Schedule DET-1  
Page 3 of 5

**Rate Base**

	Year	Utility Plant	Less: Cumul Bk Depreciation	Less: Cumul Def Taxes	Year-end	Avg Unamort Issue Costs	Avg Rate Base
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	0						
1	2012	\$42,500,000	\$1,062,500	\$193,375	\$41,244,125	\$725,156	\$21,347,219
2	2013	\$42,500,000	\$3,187,500	\$535,500	\$38,777,000	\$687,969	\$40,698,531
3	2014	\$42,500,000	\$5,312,500	\$788,375	\$36,399,125	\$650,781	\$38,238,844
4	2015	\$42,500,000	\$7,437,500	\$966,875	\$34,095,625	\$613,594	\$35,860,969
5	2016	\$42,500,000	\$9,562,500	\$1,085,875	\$31,851,625	\$576,406	\$33,550,031
6	2017	\$42,500,000	\$11,687,500	\$1,130,500	\$29,682,000	\$539,219	\$31,306,031
7	2018	\$42,500,000	\$13,812,500	\$1,115,625	\$27,571,875	\$502,031	\$29,128,969
8	2019	\$42,500,000	\$15,937,500	\$1,056,125	\$25,506,375	\$464,844	\$27,003,969
9	2020	\$42,500,000	\$18,062,500	\$966,875	\$23,470,625	\$427,656	\$24,916,156
10	2021	\$42,500,000	\$20,187,500	\$877,625	\$21,434,875	\$390,469	\$22,843,219
11	2022	\$42,500,000	\$22,312,500	\$788,375	\$19,399,125	\$353,281	\$20,770,281
12	2023	\$42,500,000	\$24,437,500	\$699,125	\$17,363,375	\$316,094	\$18,697,344
13	2024	\$42,500,000	\$26,562,500	\$609,875	\$15,327,625	\$278,906	\$16,624,406
14	2025	\$42,500,000	\$28,687,500	\$520,625	\$13,291,875	\$241,719	\$14,551,469
15	2026	\$42,500,000	\$30,812,500	\$431,375	\$11,256,125	\$204,531	\$12,478,531
16	2027	\$42,500,000	\$32,937,500	\$342,125	\$9,220,375	\$167,344	\$10,405,594
17	2028	\$42,500,000	\$35,062,500	\$252,875	\$7,184,625	\$130,156	\$8,332,656
18	2029	\$42,500,000	\$37,187,500	\$163,625	\$5,148,875	\$92,969	\$6,259,719
19	2030	\$42,500,000	\$39,312,500	\$74,375	\$3,113,125	\$55,781	\$4,186,781
20	2031	\$42,500,000	\$41,437,500	(\$14,875)	\$1,077,375	\$18,594	\$2,113,844
21	2032	\$42,500,000	\$42,500,000	\$0	\$0	\$0	\$538,688

NOTES:

COL(2) = CAPITAL COST

COL(3) = BOOK PLANT X ANNUAL DEPRECIATION RATE

COL(4) = SEE PAGE 4 OF 5

COL(5) = [COL(2) - COL(3) - COL(4) - COL(5)]

COL(6) = SEE PAGE 5 OF 5

COL(7) = AVERAGE OF PRIOR YEAR COL(6) + CURRENT YEAR COL(6)

**Narragansett Electric Company  
Block Island Cable  
Cost of Service**

Narragansett Electric Company  
d/b/a National Grid  
R.I.P.U.C. Docket No. 4111  
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Year	Tax Depreciation			Book Depreciation			Tax - Book Depreciation	Def Taxes @ 35.00%	Cumulative Def Taxes
	Rate	Current Year	Cumulative Year	Rate (a)	Current Year	Cumulative Year			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	42,500,000			42,500,000					
1 2012	3.8%	1,615,000	1,615,000	2.50%	1,062,500	1,062,500	552,500	193,375	193,375
2 2013	7.3%	3,102,500	4,717,500	5.00%	2,125,000	3,187,500	977,500	342,125	535,500
3 2014	6.7%	2,847,500	7,565,000	5.00%	2,125,000	5,312,500	722,500	252,875	788,375
4 2015	6.2%	2,635,000	10,200,000	5.00%	2,125,000	7,437,500	510,000	178,500	966,875
5 2016	5.8%	2,465,000	12,665,000	5.00%	2,125,000	9,562,500	340,000	119,000	1,085,875
6 2017	5.3%	2,252,500	14,917,500	5.00%	2,125,000	11,687,500	127,500	44,625	1,130,500
7 2018	4.9%	2,082,500	17,000,000	5.00%	2,125,000	13,812,500	-42,500	-14,875	1,115,625
8 2019	4.6%	1,955,000	18,955,000	5.00%	2,125,000	15,937,500	-170,000	-59,500	1,056,125
9 2020	4.4%	1,870,000	20,825,000	5.00%	2,125,000	18,062,500	-255,000	-89,250	966,875
10 2021	4.4%	1,870,000	22,695,000	5.00%	2,125,000	20,187,500	-255,000	-89,250	877,625
11 2022	4.4%	1,870,000	24,565,000	5.00%	2,125,000	22,312,500	-255,000	-89,250	788,375
12 2023	4.4%	1,870,000	26,435,000	5.00%	2,125,000	24,437,500	-255,000	-89,250	699,125
13 2024	4.4%	1,870,000	28,305,000	5.00%	2,125,000	26,562,500	-255,000	-89,250	609,875
14 2025	4.4%	1,870,000	30,175,000	5.00%	2,125,000	28,687,500	-255,000	-89,250	520,625
15 2026	4.4%	1,870,000	32,045,000	5.00%	2,125,000	30,812,500	-255,000	-89,250	431,375
16 2027	4.4%	1,870,000	33,915,000	5.00%	2,125,000	32,937,500	-255,000	-89,250	342,125
17 2028	4.4%	1,870,000	35,785,000	5.00%	2,125,000	35,062,500	-255,000	-89,250	252,875
18 2029	4.4%	1,870,000	37,655,000	5.00%	2,125,000	37,187,500	-255,000	-89,250	163,625
19 2030	4.4%	1,870,000	39,525,000	5.00%	2,125,000	39,312,500	-255,000	-89,250	74,375
20 2031	4.4%	1,870,000	41,395,000	5.00%	2,125,000	41,437,500	-255,000	-89,250	-14,875
21 2032	2.6%	1,105,000	42,500,000	2.50%	1,062,500	42,500,000	42,500	14,875	0

(a) Assumes 20 yr life.

NOTE:

COL(2) = TAX DEPRECIATION RATE  
 COL(3) = CAPITAL COST X COL(2)  
 COL(4) = COL(3) CUMULATIVE  
 COL(5) = STRAIGHT LINE 30 YEAR DEPRECIATION  
 RATE WITH HALF-YEAR CONVENTION

COL(6) = CAPITAL COST X COL(5)  
 COL(7) = COL(6) CUMULATIVE  
 COL(8) = COL(3) - COL(6)  
 COL(9) = COL(8) X 35% (FIT RATE)  
 COL(10) = COL(9) CUMULATIVE

**Narragansett Electric Company**  
**Block Island Cable**  
**Cost of Service**

Narragansett Electric Company  
d/b/a National Grid  
R.I.P.U.C. Docket No. 4111  
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**Outstanding Long Term Debt**

	<u>Year</u>	<u>B.O.Y. LTD</u> <u>Oustand</u>	<u>0.00%</u> <u>Sinker</u>	<u>E.O.Y. LTD</u> <u>Oustand</u>	<u>B.O.Y. Issue</u> <u>Costs</u>	<u>Annual</u> <u>Amort</u>	<u>B.O.Y. Issue</u> <u>Costs</u>	<u>Avg Unamort</u> <u>Issue Costs</u>
	0	\$21,250,000			\$743,750			
1	2012	\$21,250,000	\$0	\$21,250,000	\$743,750	\$37,188	\$706,563	\$725,156
2	2013	\$21,250,000	\$0	\$21,250,000	\$706,563	\$37,188	\$669,375	\$687,969
3	2014	\$21,250,000	\$0	\$21,250,000	\$669,375	\$37,188	\$632,188	\$650,781
4	2015	\$21,250,000	\$0	\$21,250,000	\$632,188	\$37,188	\$595,000	\$613,594
5	2016	\$21,250,000	\$0	\$21,250,000	\$595,000	\$37,188	\$557,813	\$576,406
6	2017	\$21,250,000	\$0	\$21,250,000	\$557,813	\$37,188	\$520,625	\$539,219
7	2018	\$21,250,000	\$0	\$21,250,000	\$520,625	\$37,188	\$483,438	\$502,031
8	2019	\$21,250,000	\$0	\$21,250,000	\$483,438	\$37,188	\$446,250	\$464,844
9	2020	\$21,250,000	\$0	\$21,250,000	\$446,250	\$37,188	\$409,063	\$427,656
10	2021	\$21,250,000	\$0	\$21,250,000	\$409,063	\$37,188	\$371,875	\$390,469
11	2022	\$21,250,000	\$0	\$21,250,000	\$371,875	\$37,188	\$334,688	\$353,281
12	2023	\$21,250,000	\$0	\$21,250,000	\$334,688	\$37,188	\$297,500	\$316,094
13	2024	\$21,250,000	\$0	\$21,250,000	\$297,500	\$37,188	\$260,313	\$278,906
14	2025	\$21,250,000	\$0	\$21,250,000	\$260,313	\$37,188	\$223,125	\$241,719
15	2026	\$21,250,000	\$0	\$21,250,000	\$223,125	\$37,188	\$185,938	\$204,531
16	2027	\$21,250,000	\$0	\$21,250,000	\$185,938	\$37,188	\$148,750	\$167,344
17	2028	\$21,250,000	\$0	\$21,250,000	\$148,750	\$37,188	\$111,563	\$130,156
18	2029	\$21,250,000	\$0	\$21,250,000	\$111,563	\$37,188	\$74,375	\$92,969
19	2030	\$21,250,000	\$0	\$21,250,000	\$74,375	\$37,188	\$37,188	\$55,781
20	2031	\$21,250,000	\$0	\$21,250,000	\$37,188	\$37,188	\$0	\$18,594