

June 20, 2017

Talina R. Mathews
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
PO Box 615
Frankfort, KY 40602-0615

RECEIVED

JUN 21 2017

PUBLIC SERVICE
COMMISSION

RE: PSC Case No. 2017-00206

Dear Ms. Mathews:

Please find enclosed for filing, in the above referenced case, the responses of Clark Energy Cooperative, Inc. to the Commission Staff's Initial Request for information dated June 13, 2017.

Please be advised that Ms. Holly S. Eades, Vice President of Finance for Clark Energy, is the witness responsible for Clark Energy's response.

Sincerely,

Robert C. Brewer
President & CEO

Enclosures

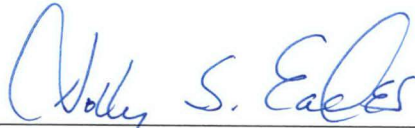
CERTIFICATION

Comes now Holly S. Eades, Vice President of Finance for Clark Energy Cooperative, Inc., and being duly sworn states as follows with regards to the Responses filed by Clark Energy Cooperative, Inc. in Case No. 2017-00206, now pending before the Public Service Commission of the Commonwealth of Kentucky:

1. That she is the person supervising the preparation of the Responses on behalf of Clark Energy Cooperative, Inc.

2. That the calculations contained in are true and accurate to the best of my personal knowledge, information and belief formed after a reasonable inquiry.

Witness my hand as of this 20th day of June, 2017.



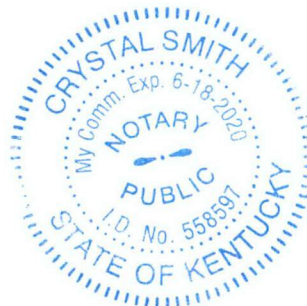
Holly S. Eades

COMMONWEALTH OF KENTUCKY
COUNTY OF CLARK

The foregoing Certification was subscribed, sworn to and acknowledged before me by Holly S. Eades, Vice President of Finance for Clark Energy Cooperative, Inc., this the 20th day of June, 2017.



NOTARY PUBLIC, STATE AT LARGE, KY



CLARK ENERGY COOPERATIVE CCORPORATION

PSC CASE NO. 2017-00206

RESPONSE TO FIRST REQUEST FOR INFORMATION DATED JUNE 13, 2017

- Request 1: Refer to the application, Exhibit 2, page 1 of 2.
- a. Provide the calculation for the Rural Utility Service (“RUS”) effective interest rate of 5.05 percent in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
 - b. Provide the net present value (“NPV”) of the savings based upon the 5.05 percent effective RUS interest rate in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
 - c. Provide the NPV of the savings based upon the 3.50 percent interest rate on the new CFC debt in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
 - d. Provide Exhibit 2 in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible. If it is necessary to update this exhibit in response to questions contained in this information request, provide the updated version in both paper medium and electronically.
- Response 1: Please refer to the spreadsheets on the enclosed flash drive; filename:
- a. “Clark Response 1A RUS Effective Interest Rate”
 - b. “Clark Response B & C NPV Calculation”
 - c. “Clark Response B & C NPV Calculation”
 - d. “Clark Response D Exhibit 2”

Witness: Holly S. Eades



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows (7,381,131) (1,700,441) - - - - - (1,679,207)
 Percent 3.50%

Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows
02/28/17	-	-	-	-	-	-	-	-	-
03/31/17	-	-	-	-	-	-	-	-	-
04/30/17	-	-	-	-	-	-	-	-	-
05/31/17	-	-	-	-	-	-	-	-	-
06/30/17	-	-	-	-	-	-	-	-	-
07/31/17	-	-	-	-	-	-	-	-	-
08/31/17	-	-	-	-	-	-	-	-	-
09/30/17	7,381,131.32	-	(21,233.39)	-	-	-	-	-	7,381,131.32
10/31/17	-	(47,620.20)	(21,528.30)	-	-	-	-	-	(69,148.50)
11/30/17	-	(47,620.20)	(21,389.41)	-	-	-	-	-	(69,009.61)
12/31/17	-	(47,620.20)	(21,250.52)	-	-	-	-	-	(68,870.72)
01/31/18	-	(47,620.20)	(21,111.62)	-	-	-	-	-	(68,731.82)
02/28/18	-	(47,620.20)	(20,972.73)	-	-	-	-	-	(68,592.93)
03/31/18	-	(47,620.20)	(20,833.84)	-	-	-	-	-	(68,454.04)
04/30/18	-	(47,620.20)	(20,694.95)	-	-	-	-	-	(68,315.15)
05/31/18	-	(47,620.20)	(20,556.05)	-	-	-	-	-	(68,176.25)
06/30/18	-	(47,620.20)	(20,417.16)	-	-	-	-	-	(68,037.36)
07/31/18	-	(47,620.20)	(20,278.27)	-	-	-	-	-	(67,898.47)
08/31/18	-	(47,620.20)	(20,139.38)	-	-	-	-	-	(67,759.58)
09/30/18	-	(47,620.20)	(20,000.48)	-	-	-	-	-	(67,620.68)
10/31/18	-	(47,620.20)	(19,861.59)	-	-	-	-	-	(67,481.79)
11/30/18	-	(47,620.20)	(19,722.70)	-	-	-	-	-	(67,342.90)
12/31/18	-	(47,620.20)	(19,583.81)	-	-	-	-	-	(67,204.01)
01/31/19	-	(47,620.20)	(19,444.92)	-	-	-	-	-	(67,065.12)
02/28/19	-	(47,620.20)	(19,306.02)	-	-	-	-	-	(66,926.22)
03/31/19	-	(47,620.20)	(19,167.13)	-	-	-	-	-	(66,787.33)
04/30/19	-	(47,620.20)	(19,028.24)	-	-	-	-	-	(66,648.44)
05/31/19	-	(47,620.20)	(18,889.35)	-	-	-	-	-	(66,509.55)
06/30/19	-	(47,620.20)	(18,750.45)	-	-	-	-	-	(66,370.65)
07/31/19	-	(47,620.20)	(18,611.56)	-	-	-	-	-	(66,231.76)
08/31/19	-	(47,620.20)	(18,472.67)	-	-	-	-	-	(66,092.87)
09/30/19	-	(47,620.20)	(18,333.78)	-	-	-	-	-	(65,953.98)
10/31/19	-	(47,620.20)	(18,194.89)	-	-	-	-	-	(65,815.09)
11/30/19	-	(47,620.20)	(18,055.99)	-	-	-	-	-	(65,676.19)
12/31/19	-	(47,620.20)	(17,917.10)	-	-	-	-	-	(65,537.30)
01/31/20	-	(47,620.20)	(17,778.21)	-	-	-	-	-	(65,398.41)
02/29/20	-	(47,620.20)	(17,639.32)	-	-	-	-	-	(65,259.52)
03/31/20	-	(47,620.20)	(17,500.42)	-	-	-	-	-	(65,120.62)
04/30/20	-	(47,620.20)	(17,361.53)	-	-	-	-	-	(64,981.73)
05/31/20	-	(47,620.20)	(17,222.64)	-	-	-	-	-	(64,842.84)
06/30/20	-	(47,620.20)	(17,083.75)	-	-	-	-	-	(64,703.95)
07/31/20	-	(47,620.20)	(16,944.86)	-	-	-	-	-	(64,565.06)
08/31/20	-	(47,620.20)	(16,805.96)	-	-	-	-	-	(64,426.16)



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows	(7,381,131)	(1,700,441)	-	-	-	-	-	-	(1,679,207)
Percent									3.50%

Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows
09/30/20	-	(47,620.20)	(16,667.07)	-	-	-	-	-	(64,287.27)
10/31/20	-	(47,620.20)	(16,528.18)	-	-	-	-	-	(64,148.38)
11/30/20	-	(47,620.20)	(16,389.29)	-	-	-	-	-	(64,009.49)
12/31/20	-	(47,620.20)	(16,250.39)	-	-	-	-	-	(63,870.59)
01/31/21	-	(47,620.20)	(16,111.50)	-	-	-	-	-	(63,731.70)
02/28/21	-	(47,620.20)	(15,972.61)	-	-	-	-	-	(63,592.81)
03/31/21	-	(47,620.20)	(15,833.72)	-	-	-	-	-	(63,453.92)
04/30/21	-	(47,620.20)	(15,694.82)	-	-	-	-	-	(63,315.02)
05/31/21	-	(47,620.20)	(15,555.93)	-	-	-	-	-	(63,176.13)
06/30/21	-	(47,620.20)	(15,417.04)	-	-	-	-	-	(63,037.24)
07/31/21	-	(47,620.20)	(15,278.15)	-	-	-	-	-	(62,898.35)
08/31/21	-	(47,620.20)	(15,139.26)	-	-	-	-	-	(62,759.46)
09/30/21	-	(47,620.20)	(15,000.36)	-	-	-	-	-	(62,620.56)
10/31/21	-	(47,620.20)	(14,861.47)	-	-	-	-	-	(62,481.67)
11/30/21	-	(47,620.20)	(14,722.58)	-	-	-	-	-	(62,342.78)
12/31/21	-	(47,620.20)	(14,583.69)	-	-	-	-	-	(62,203.89)
01/31/22	-	(47,620.20)	(14,444.79)	-	-	-	-	-	(62,064.99)
02/28/22	-	(47,620.20)	(14,305.90)	-	-	-	-	-	(61,926.10)
03/31/22	-	(47,620.20)	(14,167.01)	-	-	-	-	-	(61,787.21)
04/30/22	-	(47,620.20)	(14,028.12)	-	-	-	-	-	(61,648.32)
05/31/22	-	(47,620.20)	(13,889.23)	-	-	-	-	-	(61,509.43)
06/30/22	-	(47,620.20)	(13,750.33)	-	-	-	-	-	(61,370.53)
07/31/22	-	(47,620.20)	(13,611.44)	-	-	-	-	-	(61,231.64)
08/31/22	-	(47,620.20)	(13,472.55)	-	-	-	-	-	(61,092.75)
09/30/22	-	(47,620.20)	(13,333.66)	-	-	-	-	-	(60,953.86)
10/31/22	-	(47,620.20)	(13,194.76)	-	-	-	-	-	(60,814.96)
11/30/22	-	(47,620.20)	(13,055.87)	-	-	-	-	-	(60,676.07)
12/31/22	-	(47,620.20)	(12,916.98)	-	-	-	-	-	(60,537.18)
01/31/23	-	(47,620.20)	(12,778.09)	-	-	-	-	-	(60,398.29)
02/28/23	-	(47,620.20)	(12,639.20)	-	-	-	-	-	(60,259.40)
03/31/23	-	(47,620.20)	(12,500.30)	-	-	-	-	-	(60,120.50)
04/30/23	-	(47,620.20)	(12,361.41)	-	-	-	-	-	(59,981.61)
05/31/23	-	(47,620.20)	(12,222.52)	-	-	-	-	-	(59,842.72)
06/30/23	-	(47,620.20)	(12,083.63)	-	-	-	-	-	(59,703.83)
07/31/23	-	(47,620.20)	(11,944.73)	-	-	-	-	-	(59,564.93)
08/31/23	-	(47,620.20)	(11,805.84)	-	-	-	-	-	(59,426.04)
09/30/23	-	(47,620.20)	(11,666.95)	-	-	-	-	-	(59,287.15)
10/31/23	-	(47,620.20)	(11,528.06)	-	-	-	-	-	(59,148.26)
11/30/23	-	(47,620.20)	(11,389.17)	-	-	-	-	-	(59,009.37)
12/31/23	-	(47,620.20)	(11,250.27)	-	-	-	-	-	(58,870.47)
01/31/24	-	(47,620.20)	(11,111.38)	-	-	-	-	-	(58,731.58)
02/29/24	-	(47,620.20)	(10,972.49)	-	-	-	-	-	(58,592.69)



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows	(7,381,131)	(1,700,441)	-	-	-	-	-	-	(1,679,207)
Percent									3.50%

Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows
03/31/24	-	(47,620.20)	(10,833.60)	-	-	-	-	-	(58,453.80)
04/30/24	-	(47,620.20)	(10,694.70)	-	-	-	-	-	(58,314.90)
05/31/24	-	(47,620.20)	(10,555.81)	-	-	-	-	-	(58,176.01)
06/30/24	-	(47,620.20)	(10,416.92)	-	-	-	-	-	(58,037.12)
07/31/24	-	(47,620.20)	(10,278.03)	-	-	-	-	-	(57,898.23)
08/31/24	-	(47,620.20)	(10,139.13)	-	-	-	-	-	(57,759.33)
09/30/24	-	(47,620.20)	(10,000.24)	-	-	-	-	-	(57,620.44)
10/31/24	-	(47,620.20)	(9,861.35)	-	-	-	-	-	(57,481.55)
11/30/24	-	(47,620.20)	(9,722.46)	-	-	-	-	-	(57,342.66)
12/31/24	-	(47,620.20)	(9,583.57)	-	-	-	-	-	(57,203.77)
01/31/25	-	(47,620.20)	(9,444.67)	-	-	-	-	-	(57,064.87)
02/28/25	-	(47,620.20)	(9,305.78)	-	-	-	-	-	(56,925.98)
03/31/25	-	(47,620.20)	(9,166.89)	-	-	-	-	-	(56,787.09)
04/30/25	-	(47,620.20)	(9,028.00)	-	-	-	-	-	(56,648.20)
05/31/25	-	(47,620.20)	(8,889.10)	-	-	-	-	-	(56,509.30)
06/30/25	-	(47,620.20)	(8,750.21)	-	-	-	-	-	(56,370.41)
07/31/25	-	(47,620.20)	(8,611.32)	-	-	-	-	-	(56,231.52)
08/31/25	-	(47,620.20)	(8,472.43)	-	-	-	-	-	(56,092.63)
09/30/25	-	(47,620.20)	(8,333.54)	-	-	-	-	-	(55,953.74)
10/31/25	-	(47,620.20)	(8,194.64)	-	-	-	-	-	(55,814.84)
11/30/25	-	(47,620.20)	(8,055.75)	-	-	-	-	-	(55,675.95)
12/31/25	-	(47,620.20)	(7,916.86)	-	-	-	-	-	(55,537.06)
01/31/26	-	(47,620.20)	(7,777.97)	-	-	-	-	-	(55,398.17)
02/28/26	-	(47,620.20)	(7,639.07)	-	-	-	-	-	(55,259.27)
03/31/26	-	(47,620.20)	(7,500.18)	-	-	-	-	-	(55,120.38)
04/30/26	-	(47,620.20)	(7,361.29)	-	-	-	-	-	(54,981.49)
05/31/26	-	(47,620.20)	(7,222.40)	-	-	-	-	-	(54,842.60)
06/30/26	-	(47,620.20)	(7,083.51)	-	-	-	-	-	(54,703.71)
07/31/26	-	(47,620.20)	(6,944.61)	-	-	-	-	-	(54,564.81)
08/31/26	-	(47,620.20)	(6,805.72)	-	-	-	-	-	(54,425.92)
09/30/26	-	(47,620.20)	(6,666.83)	-	-	-	-	-	(54,287.03)
10/31/26	-	(47,620.20)	(6,527.94)	-	-	-	-	-	(54,148.14)
11/30/26	-	(47,620.20)	(6,389.04)	-	-	-	-	-	(54,009.24)
12/31/26	-	(47,620.20)	(6,250.15)	-	-	-	-	-	(53,870.35)
01/31/27	-	(47,620.20)	(6,111.26)	-	-	-	-	-	(53,731.46)
02/28/27	-	(47,620.20)	(5,972.37)	-	-	-	-	-	(53,592.57)
03/31/27	-	(47,620.20)	(5,833.47)	-	-	-	-	-	(53,453.67)
04/30/27	-	(47,620.20)	(5,694.58)	-	-	-	-	-	(53,314.78)
05/31/27	-	(47,620.20)	(5,555.69)	-	-	-	-	-	(53,175.89)
06/30/27	-	(47,620.20)	(5,416.80)	-	-	-	-	-	(53,037.00)
07/31/27	-	(47,620.20)	(5,277.91)	-	-	-	-	-	(52,898.11)
08/31/27	-	(47,620.20)	(5,139.01)	-	-	-	-	-	(52,759.21)



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows		(7,381,131)	(1,700,441)	-	-	-	-	-	-	(1,679,207)
Percent										3.50%
Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows	
09/30/27	-	(47,620.20)	(5,000.12)	-	-	-	-	-	(52,620.32)	
10/31/27	-	(47,620.20)	(4,861.23)	-	-	-	-	-	(52,481.43)	
11/30/27	-	(47,620.20)	(4,722.34)	-	-	-	-	-	(52,342.54)	
12/31/27	-	(47,620.20)	(4,583.44)	-	-	-	-	-	(52,203.64)	
01/31/28	-	(47,620.20)	(4,444.55)	-	-	-	-	-	(52,064.75)	
02/29/28	-	(47,620.20)	(4,305.66)	-	-	-	-	-	(51,925.86)	
03/31/28	-	(47,620.20)	(4,166.77)	-	-	-	-	-	(51,786.97)	
04/30/28	-	(47,620.20)	(4,027.88)	-	-	-	-	-	(51,648.08)	
05/31/28	-	(47,620.20)	(3,888.98)	-	-	-	-	-	(51,509.18)	
06/30/28	-	(47,620.20)	(3,750.09)	-	-	-	-	-	(51,370.29)	
07/31/28	-	(47,620.20)	(3,611.20)	-	-	-	-	-	(51,231.40)	
08/31/28	-	(47,620.20)	(3,472.31)	-	-	-	-	-	(51,092.51)	
09/30/28	-	(47,620.20)	(3,333.41)	-	-	-	-	-	(50,953.61)	
10/31/28	-	(47,620.20)	(3,194.52)	-	-	-	-	-	(50,814.72)	
11/30/28	-	(47,620.20)	(3,055.63)	-	-	-	-	-	(50,675.83)	
12/31/28	-	(47,620.20)	(2,916.74)	-	-	-	-	-	(50,536.94)	
01/31/29	-	(47,620.20)	(2,777.85)	-	-	-	-	-	(50,398.05)	
02/28/29	-	(47,620.20)	(2,638.95)	-	-	-	-	-	(50,259.15)	
03/31/29	-	(47,620.20)	(2,500.06)	-	-	-	-	-	(50,120.26)	
04/30/29	-	(47,620.20)	(2,361.17)	-	-	-	-	-	(49,981.37)	
05/31/29	-	(47,620.20)	(2,222.28)	-	-	-	-	-	(49,842.48)	
06/30/29	-	(47,620.20)	(2,083.38)	-	-	-	-	-	(49,703.58)	
07/31/29	-	(47,620.20)	(1,944.49)	-	-	-	-	-	(49,564.69)	
08/31/29	-	(47,620.20)	(1,805.60)	-	-	-	-	-	(49,425.80)	
09/30/29	-	(47,620.20)	(1,666.71)	-	-	-	-	-	(49,286.91)	
10/31/29	-	(47,620.20)	(1,527.81)	-	-	-	-	-	(49,148.01)	
11/30/29	-	(47,620.20)	(1,388.92)	-	-	-	-	-	(49,009.12)	
12/31/29	-	(47,620.20)	(1,250.03)	-	-	-	-	-	(48,870.23)	
01/31/30	-	(47,620.20)	(1,111.14)	-	-	-	-	-	(48,731.34)	
02/28/30	-	(47,620.20)	(972.25)	-	-	-	-	-	(48,592.45)	
03/31/30	-	(47,620.20)	(833.35)	-	-	-	-	-	(48,453.55)	
04/30/30	-	(47,620.20)	(694.46)	-	-	-	-	-	(48,314.66)	
05/31/30	-	(47,620.20)	(555.57)	-	-	-	-	-	(48,175.77)	
06/30/30	-	(47,620.20)	(416.68)	-	-	-	-	-	(48,036.88)	
07/31/30	-	(47,620.20)	(277.78)	-	-	-	-	-	(47,897.98)	
08/31/30	-	(47,620.20)	(138.89)	-	-	-	-	-	(47,759.09)	
		(7,381,131.00)	(1,700,440.77)	-	-	-	-	-	(9,081,571.77)	

CLARK ENERGY COOPERATIVE CCORPORATION

PSC CASE NO. 2017-00206

RESPONSE TO FIRST REQUEST FOR INFORMATION DATED JUNE 13, 2017

Request 1: Refer to the application, Exhibit 2, page 1 of 2.

- a. Provide the calculation for the Rural Utility Service (“RUS”) effective interest rate of 5.05 percent in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
- b. Provide the net present value (“NPV”) of the savings based upon the 5.05 percent effective RUS interest rate in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
- c. Provide the NPV of the savings based upon the 3.50 percent interest rate on the new CFC debt in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
- d. Provide Exhibit 2 in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible. If it is necessary to update this exhibit in response to questions contained in this information request, provide the updated version in both paper medium and electronically.

Response 1: Please refer to the spreadsheets on the enclosed flash drive; filename:

- a. “Clark Response 1A RUS Effective Interest Rate”
- b. “Clark Response B & C NPV Calculation”
- c. “Clark Response B & C NPV Calculation”
- d. “Clark Response D Exhibit 2”

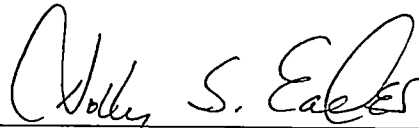
Witness: Holly S. Eades

CERTIFICATION

Comes now Holly S. Eades, Vice President of Finance for Clark Energy Cooperative, Inc., and being duly sworn states as follows with regards to the Responses filed by Clark Energy Cooperative, Inc. in Case No. 2017-00206, now pending before the Public Service Commission of the Commonwealth of Kentucky:

1. That she is the person supervising the preparation of the Responses on behalf of Clark Energy Cooperative, Inc.
2. That the calculations contained in are true and accurate to the best of my personal knowledge, information and belief formed after a reasonable inquiry.

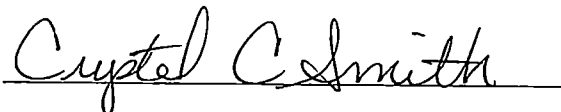
Witness my hand as of this 20th day of June, 2017.



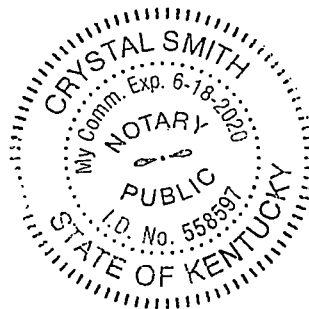
Holly S. Eades

COMMONWEALTH OF KENTUCKY
COUNTY OF CLARK

The foregoing Certification was subscribed, sworn to and acknowledged before me by Holly S. Eades, Vice President of Finance for Clark Energy Cooperative, Inc., this the 20th day of June, 2017.



NOTARY PUBLIC, STATE AT LARGE, KY





Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows		(7,381,131)	(1,700,441)	-	-	-	-	-	(1,679,207)
Percent									3.50%
Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows
02/28/17	-	-	-	-	-	-	-	-	-
03/31/17	-	-	-	-	-	-	-	-	-
04/30/17	-	-	-	-	-	-	-	-	-
05/31/17	-	-	-	-	-	-	-	-	-
06/30/17	-	-	-	-	-	-	-	-	-
07/31/17	-	-	-	-	-	-	-	-	-
08/31/17	-	-	-	-	-	-	-	-	-
09/30/17	7,381,131.32	-	(21,233.39)	-	-	-	-	-	7,381,131.32
10/31/17	-	(47,620.20)	(21,528.30)	-	-	-	-	-	(69,148.50)
11/30/17	-	(47,620.20)	(21,389.41)	-	-	-	-	-	(69,009.61)
12/31/17	-	(47,620.20)	(21,250.52)	-	-	-	-	-	(68,870.72)
01/31/18	-	(47,620.20)	(21,111.62)	-	-	-	-	-	(68,731.82)
02/28/18	-	(47,620.20)	(20,972.73)	-	-	-	-	-	(68,592.93)
03/31/18	-	(47,620.20)	(20,833.84)	-	-	-	-	-	(68,454.04)
04/30/18	-	(47,620.20)	(20,694.95)	-	-	-	-	-	(68,315.15)
05/31/18	-	(47,620.20)	(20,556.05)	-	-	-	-	-	(68,176.25)
06/30/18	-	(47,620.20)	(20,417.16)	-	-	-	-	-	(68,037.36)
07/31/18	-	(47,620.20)	(20,278.27)	-	-	-	-	-	(67,898.47)
08/31/18	-	(47,620.20)	(20,139.38)	-	-	-	-	-	(67,759.58)
09/30/18	-	(47,620.20)	(20,000.48)	-	-	-	-	-	(67,620.68)
10/31/18	-	(47,620.20)	(19,861.59)	-	-	-	-	-	(67,481.79)
11/30/18	-	(47,620.20)	(19,722.70)	-	-	-	-	-	(67,342.90)
12/31/18	-	(47,620.20)	(19,583.81)	-	-	-	-	-	(67,204.01)
01/31/19	-	(47,620.20)	(19,444.92)	-	-	-	-	-	(67,065.12)
02/28/19	-	(47,620.20)	(19,306.02)	-	-	-	-	-	(66,926.22)
03/31/19	-	(47,620.20)	(19,167.13)	-	-	-	-	-	(66,787.33)
04/30/19	-	(47,620.20)	(19,028.24)	-	-	-	-	-	(66,648.44)
05/31/19	-	(47,620.20)	(18,889.35)	-	-	-	-	-	(66,509.55)
06/30/19	-	(47,620.20)	(18,750.45)	-	-	-	-	-	(66,370.65)
07/31/19	-	(47,620.20)	(18,611.56)	-	-	-	-	-	(66,231.76)
08/31/19	-	(47,620.20)	(18,472.67)	-	-	-	-	-	(66,092.87)
09/30/19	-	(47,620.20)	(18,333.78)	-	-	-	-	-	(65,953.98)
10/31/19	-	(47,620.20)	(18,194.89)	-	-	-	-	-	(65,815.09)
11/30/19	-	(47,620.20)	(18,055.99)	-	-	-	-	-	(65,676.19)
12/31/19	-	(47,620.20)	(17,917.10)	-	-	-	-	-	(65,537.30)
01/31/20	-	(47,620.20)	(17,778.21)	-	-	-	-	-	(65,398.41)
02/29/20	-	(47,620.20)	(17,639.32)	-	-	-	-	-	(65,259.52)
03/31/20	-	(47,620.20)	(17,500.42)	-	-	-	-	-	(65,120.62)
04/30/20	-	(47,620.20)	(17,361.53)	-	-	-	-	-	(64,981.73)
05/31/20	-	(47,620.20)	(17,222.64)	-	-	-	-	-	(64,842.84)
06/30/20	-	(47,620.20)	(17,083.75)	-	-	-	-	-	(64,703.95)
07/31/20	-	(47,620.20)	(16,944.86)	-	-	-	-	-	(64,565.06)
08/31/20	-	(47,620.20)	(16,805.96)	-	-	-	-	-	(64,426.16)



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows Percent		(7,381,131)	(1,700,441)	-	-	-	-	-	-	(1,679,207) 3.50%
Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows	
09/30/20	-	(47,620.20)	(16,667.07)	-	-	-	-	-	(64,287.27)	
10/31/20	-	(47,620.20)	(16,528.18)	-	-	-	-	-	(64,148.38)	
11/30/20	-	(47,620.20)	(16,389.29)	-	-	-	-	-	(64,009.49)	
12/31/20	-	(47,620.20)	(16,250.39)	-	-	-	-	-	(63,870.59)	
01/31/21	-	(47,620.20)	(16,111.50)	-	-	-	-	-	(63,731.70)	
02/28/21	-	(47,620.20)	(15,972.61)	-	-	-	-	-	(63,592.81)	
03/31/21	-	(47,620.20)	(15,833.72)	-	-	-	-	-	(63,453.92)	
04/30/21	-	(47,620.20)	(15,694.82)	-	-	-	-	-	(63,315.02)	
05/31/21	-	(47,620.20)	(15,555.93)	-	-	-	-	-	(63,176.13)	
06/30/21	-	(47,620.20)	(15,417.04)	-	-	-	-	-	(63,037.24)	
07/31/21	-	(47,620.20)	(15,278.15)	-	-	-	-	-	(62,898.35)	
08/31/21	-	(47,620.20)	(15,139.26)	-	-	-	-	-	(62,759.46)	
09/30/21	-	(47,620.20)	(15,000.36)	-	-	-	-	-	(62,620.56)	
10/31/21	-	(47,620.20)	(14,861.47)	-	-	-	-	-	(62,481.67)	
11/30/21	-	(47,620.20)	(14,722.58)	-	-	-	-	-	(62,342.78)	
12/31/21	-	(47,620.20)	(14,583.69)	-	-	-	-	-	(62,203.89)	
01/31/22	-	(47,620.20)	(14,444.79)	-	-	-	-	-	(62,064.99)	
02/28/22	-	(47,620.20)	(14,305.90)	-	-	-	-	-	(61,926.10)	
03/31/22	-	(47,620.20)	(14,167.01)	-	-	-	-	-	(61,787.21)	
04/30/22	-	(47,620.20)	(14,028.12)	-	-	-	-	-	(61,648.32)	
05/31/22	-	(47,620.20)	(13,889.23)	-	-	-	-	-	(61,509.43)	
06/30/22	-	(47,620.20)	(13,750.33)	-	-	-	-	-	(61,370.53)	
07/31/22	-	(47,620.20)	(13,611.44)	-	-	-	-	-	(61,231.64)	
08/31/22	-	(47,620.20)	(13,472.55)	-	-	-	-	-	(61,092.75)	
09/30/22	-	(47,620.20)	(13,333.66)	-	-	-	-	-	(60,953.86)	
10/31/22	-	(47,620.20)	(13,194.76)	-	-	-	-	-	(60,814.96)	
11/30/22	-	(47,620.20)	(13,055.87)	-	-	-	-	-	(60,676.07)	
12/31/22	-	(47,620.20)	(12,916.98)	-	-	-	-	-	(60,537.18)	
01/31/23	-	(47,620.20)	(12,778.09)	-	-	-	-	-	(60,398.29)	
02/28/23	-	(47,620.20)	(12,639.20)	-	-	-	-	-	(60,259.40)	
03/31/23	-	(47,620.20)	(12,500.30)	-	-	-	-	-	(60,120.50)	
04/30/23	-	(47,620.20)	(12,361.41)	-	-	-	-	-	(59,981.61)	
05/31/23	-	(47,620.20)	(12,222.52)	-	-	-	-	-	(59,842.72)	
06/30/23	-	(47,620.20)	(12,083.63)	-	-	-	-	-	(59,703.83)	
07/31/23	-	(47,620.20)	(11,944.73)	-	-	-	-	-	(59,564.93)	
08/31/23	-	(47,620.20)	(11,805.84)	-	-	-	-	-	(59,426.04)	
09/30/23	-	(47,620.20)	(11,666.95)	-	-	-	-	-	(59,287.15)	
10/31/23	-	(47,620.20)	(11,528.06)	-	-	-	-	-	(59,148.26)	
11/30/23	-	(47,620.20)	(11,389.17)	-	-	-	-	-	(59,009.37)	
12/31/23	-	(47,620.20)	(11,250.27)	-	-	-	-	-	(58,870.47)	
01/31/24	-	(47,620.20)	(11,111.38)	-	-	-	-	-	(58,731.58)	
02/29/24	-	(47,620.20)	(10,972.49)	-	-	-	-	-	(58,592.69)	



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows	(7,381,131)	(1,700,441)	-	-	-	-	-	-	(1,679,207)
Percent									3.50%

Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows
03/31/24	-	(47,620.20)	(10,833.60)	-	-	-	-	-	(58,453.80)
04/30/24	-	(47,620.20)	(10,694.70)	-	-	-	-	-	(58,314.90)
05/31/24	-	(47,620.20)	(10,555.81)	-	-	-	-	-	(58,176.01)
06/30/24	-	(47,620.20)	(10,416.92)	-	-	-	-	-	(58,037.12)
07/31/24	-	(47,620.20)	(10,278.03)	-	-	-	-	-	(57,898.23)
08/31/24	-	(47,620.20)	(10,139.13)	-	-	-	-	-	(57,759.33)
09/30/24	-	(47,620.20)	(10,000.24)	-	-	-	-	-	(57,620.44)
10/31/24	-	(47,620.20)	(9,861.35)	-	-	-	-	-	(57,481.55)
11/30/24	-	(47,620.20)	(9,722.46)	-	-	-	-	-	(57,342.66)
12/31/24	-	(47,620.20)	(9,583.57)	-	-	-	-	-	(57,203.77)
01/31/25	-	(47,620.20)	(9,444.67)	-	-	-	-	-	(57,064.87)
02/28/25	-	(47,620.20)	(9,305.78)	-	-	-	-	-	(56,925.98)
03/31/25	-	(47,620.20)	(9,166.89)	-	-	-	-	-	(56,787.09)
04/30/25	-	(47,620.20)	(9,028.00)	-	-	-	-	-	(56,648.20)
05/31/25	-	(47,620.20)	(8,889.10)	-	-	-	-	-	(56,509.30)
06/30/25	-	(47,620.20)	(8,750.21)	-	-	-	-	-	(56,370.41)
07/31/25	-	(47,620.20)	(8,611.32)	-	-	-	-	-	(56,231.52)
08/31/25	-	(47,620.20)	(8,472.43)	-	-	-	-	-	(56,092.63)
09/30/25	-	(47,620.20)	(8,333.54)	-	-	-	-	-	(55,953.74)
10/31/25	-	(47,620.20)	(8,194.64)	-	-	-	-	-	(55,814.84)
11/30/25	-	(47,620.20)	(8,055.75)	-	-	-	-	-	(55,675.95)
12/31/25	-	(47,620.20)	(7,916.86)	-	-	-	-	-	(55,537.06)
01/31/26	-	(47,620.20)	(7,777.97)	-	-	-	-	-	(55,398.17)
02/28/26	-	(47,620.20)	(7,639.07)	-	-	-	-	-	(55,259.27)
03/31/26	-	(47,620.20)	(7,500.18)	-	-	-	-	-	(55,120.38)
04/30/26	-	(47,620.20)	(7,361.29)	-	-	-	-	-	(54,981.49)
05/31/26	-	(47,620.20)	(7,222.40)	-	-	-	-	-	(54,842.60)
06/30/26	-	(47,620.20)	(7,083.51)	-	-	-	-	-	(54,703.71)
07/31/26	-	(47,620.20)	(6,944.61)	-	-	-	-	-	(54,564.81)
08/31/26	-	(47,620.20)	(6,805.72)	-	-	-	-	-	(54,425.92)
09/30/26	-	(47,620.20)	(6,666.83)	-	-	-	-	-	(54,287.03)
10/31/26	-	(47,620.20)	(6,527.94)	-	-	-	-	-	(54,148.14)
11/30/26	-	(47,620.20)	(6,389.04)	-	-	-	-	-	(54,009.24)
12/31/26	-	(47,620.20)	(6,250.15)	-	-	-	-	-	(53,870.35)
01/31/27	-	(47,620.20)	(6,111.26)	-	-	-	-	-	(53,731.46)
02/28/27	-	(47,620.20)	(5,972.37)	-	-	-	-	-	(53,592.57)
03/31/27	-	(47,620.20)	(5,833.47)	-	-	-	-	-	(53,453.67)
04/30/27	-	(47,620.20)	(5,694.58)	-	-	-	-	-	(53,314.78)
05/31/27	-	(47,620.20)	(5,555.69)	-	-	-	-	-	(53,175.89)
06/30/27	-	(47,620.20)	(5,416.80)	-	-	-	-	-	(53,037.00)
07/31/27	-	(47,620.20)	(5,277.91)	-	-	-	-	-	(52,898.11)
08/31/27	-	(47,620.20)	(5,139.01)	-	-	-	-	-	(52,759.21)



Clark Energy Co-op

CFC Total Monthly Cash Flows

RUS Refinance - 13 Year Term Level Principal

Cash Flows		(7,381,131)	(1,700,441)	-	-	-	-	-	-	(1,679,207)
Percent										3.50%
Month	Loan Advance	Principal	Interest	Volume Discount	Performance Discount	Collateral Discount	Equity Discount	Patronage Retirement	Total Cashflows	
09/30/27	-	(47,620.20)	(5,000.12)	-	-	-	-	-	(52,620.32)	
10/31/27	-	(47,620.20)	(4,861.23)	-	-	-	-	-	(52,481.43)	
11/30/27	-	(47,620.20)	(4,722.34)	-	-	-	-	-	(52,342.54)	
12/31/27	-	(47,620.20)	(4,583.44)	-	-	-	-	-	(52,203.64)	
01/31/28	-	(47,620.20)	(4,444.55)	-	-	-	-	-	(52,064.75)	
02/29/28	-	(47,620.20)	(4,305.66)	-	-	-	-	-	(51,925.86)	
03/31/28	-	(47,620.20)	(4,166.77)	-	-	-	-	-	(51,786.97)	
04/30/28	-	(47,620.20)	(4,027.88)	-	-	-	-	-	(51,648.08)	
05/31/28	-	(47,620.20)	(3,888.98)	-	-	-	-	-	(51,509.18)	
06/30/28	-	(47,620.20)	(3,750.09)	-	-	-	-	-	(51,370.29)	
07/31/28	-	(47,620.20)	(3,611.20)	-	-	-	-	-	(51,231.40)	
08/31/28	-	(47,620.20)	(3,472.31)	-	-	-	-	-	(51,092.51)	
09/30/28	-	(47,620.20)	(3,333.41)	-	-	-	-	-	(50,953.61)	
10/31/28	-	(47,620.20)	(3,194.52)	-	-	-	-	-	(50,814.72)	
11/30/28	-	(47,620.20)	(3,055.63)	-	-	-	-	-	(50,675.83)	
12/31/28	-	(47,620.20)	(2,916.74)	-	-	-	-	-	(50,536.94)	
01/31/29	-	(47,620.20)	(2,777.85)	-	-	-	-	-	(50,398.05)	
02/28/29	-	(47,620.20)	(2,638.95)	-	-	-	-	-	(50,259.15)	
03/31/29	-	(47,620.20)	(2,500.06)	-	-	-	-	-	(50,120.26)	
04/30/29	-	(47,620.20)	(2,361.17)	-	-	-	-	-	(49,981.37)	
05/31/29	-	(47,620.20)	(2,222.28)	-	-	-	-	-	(49,842.48)	
06/30/29	-	(47,620.20)	(2,083.38)	-	-	-	-	-	(49,703.58)	
07/31/29	-	(47,620.20)	(1,944.49)	-	-	-	-	-	(49,564.69)	
08/31/29	-	(47,620.20)	(1,805.60)	-	-	-	-	-	(49,425.80)	
09/30/29	-	(47,620.20)	(1,666.71)	-	-	-	-	-	(49,286.91)	
10/31/29	-	(47,620.20)	(1,527.81)	-	-	-	-	-	(49,148.01)	
11/30/29	-	(47,620.20)	(1,388.92)	-	-	-	-	-	(49,009.12)	
12/31/29	-	(47,620.20)	(1,250.03)	-	-	-	-	-	(48,870.23)	
01/31/30	-	(47,620.20)	(1,111.14)	-	-	-	-	-	(48,731.34)	
02/28/30	-	(47,620.20)	(972.25)	-	-	-	-	-	(48,592.45)	
03/31/30	-	(47,620.20)	(833.35)	-	-	-	-	-	(48,453.55)	
04/30/30	-	(47,620.20)	(694.46)	-	-	-	-	-	(48,314.66)	
05/31/30	-	(47,620.20)	(555.57)	-	-	-	-	-	(48,175.77)	
06/30/30	-	(47,620.20)	(416.68)	-	-	-	-	-	(48,036.88)	
07/31/30	-	(47,620.20)	(277.78)	-	-	-	-	-	(47,897.98)	
08/31/30	-	(47,620.20)	(138.89)	-	-	-	-	-	(47,759.09)	
		(7,381,131.00)	(1,700,440.77)	-	-	-	-	-	(9,081,571.77)	