CONVERSION OF GAS COSTS - GALLONS TO THERMS SUMMER PERIOD 2019

| | (1) | (2) | (3) | (4) | (5) | (6) |
|------------------------|-------------|----------------------|---------|---------------|----------------------|---------------------|
| | | | VOLU | JMES | UNIT (| COST |
| | <u>UNIT</u> | CONVERSION FACTOR | GALLONS | <u>THERMS</u> | PER <u>GALLON</u> | PER <u>THERM</u> |
| PROPANE FROM INVENTORY | GALLONS | 0.91502 | 398,866 | 364,970 | \$1.1080 | \$1.2109 |

CALCULATION OF COST OF GAS RATE SUPPLY / DEMAND BALANCE SUMMER PERIOD 2019

| | | PRIOR | MAY-19 | JUN-19 | JUL-19 | AUG-19 | SEP-19 | OCT-19 | TOTAL |
|----|-------------------------------|------------|------------|-----------|----------|----------|----------|-----------|-----------|
| | | | | | | | | | |
| | SENDOUT (THERMS) | | | | | | | | |
| 1 | F RM SENDOUT * | | 66,980 | 45,181 | 41,518 | 46,640 | 52,408 | 98,084 | 350,811 |
| 2 | COMPANY USE | | 2,356 | 2,202 | 2,044 | 1,933 | 2,259 | 3,365 | 14,159 |
| 3 | TOTAL SENDOUT | | 69,336 | 47,383 | 43,562 | 48,573 | 54,667 | 101,449 | 364,970 |
| 4 | * UNACCTED FOR VOLS NCLUDED | | 2,152 | 1,452 | 1,334 | 1,499 | 1,684 | 3,152 | 11,273 |
| | COSTS | | | | | | | | |
| 5 | PROPANE SENDOUT FROM ABOVE | | 69,336 | 47,383 | 43,562 | 48,573 | 54,667 | 101,449 | 364,970 |
| 6 | COST/THERM FROM SCHEDULE D | | \$1.1942 | \$1.1548 | \$1.1397 | \$1.1060 | \$1.0960 | \$1.0915 | \$1.1276 |
| 7 | PRODUCTION COSTS [1] | | \$5,068 | \$5,068 | \$5,068 | \$5,068 | \$5,068 | \$5,068 | \$30,405 |
| 8 | TOTAL PROPANE COSTS | | \$87,869 | \$59,784 | \$54,717 | \$58,792 | \$64,983 | \$115,799 | \$441,941 |
| | REVENUES | | | | | | | | |
| 9 | F RM SALES (THERMS) | | 103,271 | 64,474 | 39,325 | 38,527 | 55,316 | 49,594 | 350,507 |
| 10 | RATE/THERM PER TARIFF | | \$0 9886 | \$0.9886 | \$0.9886 | \$0 9886 | \$0.9886 | \$0.9886 | \$0.9886 |
| 11 | TOTAL REVENUES | | \$102,094 | \$63,739 | \$38,877 | \$38,088 | \$54,685 | \$49,029 | \$346,512 |
| | | | | | | | | | |
| 12 | (OVER)/UNDER COLLECTION | | (\$14,226) | (\$3,956) | \$15,840 | \$20,704 | \$10,298 | \$66,770 | \$95,429 |
| 13 | INTEREST FROM SCHEDULE F | | (\$459) | (\$503) | (\$478) | (\$397) | (\$327) | (\$152) | (\$2,316) |
| 14 | F NAL (OVER)/UNDER COLLECTION | (\$93,115) | (\$14,685) | (\$4,459) | \$15,362 | \$20,307 | \$9,971 | \$66,618 | (\$2) |

^[1] Production cost estimates are the audit staff recommended production costs allowed in the 2018 Keene Summer COG audit

PROPANE SPOT MARKET PURCHASE COST ANALYSIS SUMMER PERIOD 2019

| | | (1) Mt. Belvieu | (2) Broker Fee | (3) Pipeline Rate | (4) PERC Fee | (5) Supplier Charge | (6) Cost @ Se kirk | (7) Trucking to Keene | (8) \$ per Gal. | (9) \$ per Therm |
|---|-----|--------------------|----------------------|-------------------------|--------------------|---------------------------|--------------------------|-----------------------------|--------------------|---------------------|
| | | | | | | | | | - | |
| 1 | MAY | | | | | | | | | |
| 2 | JUN | | | | | | | | | |
| 3 | JUL | | | | | | | | | |
| 4 | AUG | | | | | | | | | |
| 5 | SEP | | | | | | | | | |
| 6 | OCT | | | | | | | | | |

NOTE: Summer spot purchases are based on market quotes from local suppliers. The above schedule provides a breakdown of the quote taken at the time (Feb 28th)

- 1. Propane futures market quotations (cmegroup.com) on 03/11/19 close. See Appendix 1.
- 2. A generally accepted standard broker fee
- 3. Summer prices are quoted on a delivered basis with pipeline charges embedded in delivered price
- 4. Propane Education Research Council (propanecouncel.org)
- 5. Supplier charge
- 6. Selkirk Cost all fees plus propane cost
- 7. Northern Gas Transport trucking rate including diesel fuel surcharge. See Appendix 3A & 3B.
- 8. Delivered Price per Gallon
- 9. Delivered Price per therm as converted using per gallon price / .91502

PROPANE INVENTORY & WEIGHTED AVERAGE COST OF GAS CALCULATION SUMMER PERIOD 2019

LINE NO.

| LINE NO | • | | | Б. | | | | |
|----------|--------------------------------------|-------------------|----------------------|---------------------------|-------------|----------|---------|-----------|
| 1 | May 2019 (Forecasted) | <u>Therms</u> | Cost | <u>Ra</u> <u>Therm</u> | <u>Gal.</u> | | | |
| 2 | Beginning Balance | 59,650 | \$83,576 | \$1.4011 | \$1.2820 | | | |
| 3 | Purchases Received | 70,000 | \$71,252 | \$1.0179 | \$0.9314 | | | |
| 4 | Total Available | 129,650 | \$154,828 | \$1.1942 | \$1.0927 | | | |
| 5 | Less Sendout | 69,336 | \$82,801 | \$1.1942 | \$1.0927 | | 69,336 | \$82,801 |
| 6 | Ending Balance | 60,314 | \$72,027 | \$1.1942 | \$1.0927 | | 09,330 | ψ02,00 i |
| O | Litting Balarice | 00,514 | Ψ12,021 | ψ1.13-42 | ψ1.0327 | | | |
| _ | | | | Ra | | | | |
| 7 | June 2019 (Forecasted) | <u>Therms</u> | <u>Cost</u> | <u>Therm</u> | <u>Gal.</u> | | | |
| 8 | Beginning Balance | 60,314 | \$72,027 | \$1.1942 | \$1.0927 | | | |
| 9 | Purchases Received | 50,000 | \$55,359 | \$1.1072 | \$1.0131 | | | |
| 10 | Total Available | 110,314 | \$127,386 | \$1.1548 | \$1.0566 | | | |
| 11 | Less Sendout | 47,383 | \$54,716 | \$1.1548 | \$1.0566 | | 47,383 | \$54,716 |
| 12 | Ending Balance | 62,931 | \$72,670 | \$1.1548 | \$1.0566 | | | |
| | | | | Ra | ite | | | |
| 13 | July 2019 (Forecasted) | <u>Therms</u> | Cost | Therm | Gal. | | | |
| 14 | Beginning Balance | 62,931 | \$72,670 | \$1.1548 | \$1.0566 | | | |
| 15 | Purchases Received | 40,000 | \$44,643 | \$1.1161 | \$1.0212 | | | |
| 16 | Total Available | 102,931 | \$117,313 | \$1.1397 | \$1.0429 | | | |
| 17 | Less Sendout | 43,562 | \$49,649 | \$1.1397 | \$1.0429 | | 43,562 | \$49,649 |
| 18 | Ending Balance | 59,369 | \$67,664 | \$1.1397 | \$1.0429 | | 40,002 | ψ+0,0+0 |
| 10 | Enailing Balanoc | 00,000 | ψ01,004 | ψ1.1007 | Ψ1.0-120 | | | |
| 19 | August 2010 (Espaceted) | Thormo | Cont | Ra Thorm | | | | |
| 19 | August 2019 (Forecasted) | <u>Therms</u> | Cost | <u>Therm</u> | <u>Gal.</u> | | | |
| 20 | Beginning Balance | 59,369 | \$67,664 | \$1.1397 | \$1.0429 | | | |
| 21 | Purchases Received | 45,000 | \$47,773 | \$1.0616 | \$0.9714 | | | |
| 22 | Total Available | 104,369 | \$115,437 | \$1.1061 | \$1.0121 | | | |
| 23 | Less Sendout | 48,573 | \$53,724 | \$1.1060 | \$1.0121 | | 48,573 | \$53,724 |
| 24 | Ending Balance | 55,796 | \$61,713 | \$1.1061 | \$1.0121 | | | |
| | | | | Ra | ite | | | |
| 25 | September 2019 (Forecasted) | <u>Therms</u> | <u>Cost</u> | Therm | <u>Gal.</u> | | | |
| 26 | Deginning Delenge | EE 706 | #64 740 | £1 1061 | \$1.0121 | | | |
| 26 27 | Beginning Balance Purchases Received | 55,796 55,000 | \$61,713 \$50,710 | \$1.1061 \$1.0858 | \$0.9935 | | | |
| | | 55,000 110,706 | \$59,719 | | \$1.0029 | | | |
| 28 29 | Total Available | 110,796 | \$121,432 | \$1.0960 | | | E4 667 | \$59,915 |
| | Less Sendout | 54,667 | \$59,915 \$64,547 | \$1.0960 | \$1.0029 | | 54,667 | φ39,913 |
| 30 | Ending Balance | 56,129 | \$61,517 | \$1.0960 | \$1.0029 | | | |
| | | | | Ra | | | | |
| 31 | October 2019 (Forecasted) | <u>Therms</u> | <u>Cost</u> | <u>Therm</u> | <u>Gal.</u> | | | |
| 32 | Beginning Balance | 56,129 | \$61,517 | \$1.0960 | \$1.0029 | | | |
| 33 | Purchases Received | 105,000 | \$114,354 | \$1.0891 | \$0.9965 | | | |
| 34 | Total Available | 161,129 | \$175,871 | \$1.0915 | \$0.9987 | | | |
| 35 | Less Sendout | 101,449 | \$110,731 | \$1.0915 | \$0.9987 | | 101,449 | \$110,731 |
| 36 | Ending Balance | 59,680 | \$65,140 | \$1.0915 | \$0.9987 | | | |
| 37 | AVE | RAGE SUMI | MER RATE - : | SENDOUT | | \$1.1276 | 364,970 | \$411,536 |
| | | | | | | | | |

PRIOR PERIOD (OVER)/UNDER COLLECTION SUMMER PERIOD 2018

| | COSTS | PRIOR | <u>May-18</u> | <u>Jun-18</u> | <u>Jul-18</u> | <u>Aug-18</u> | <u>Sep-18</u> | Oct-18 | TOTAL |
|----|---------------------------------------|----------|---------------|---------------|---------------|---------------|---------------|-----------|------------|
| 4 | | | 54.000 | 10.504 | 10.101 | 44.450 | 17.004 | 100 100 | 007.000 |
| 1 | FIRM SENDOUT (therms) | | 54,606 | 43,521 | 40,184 | 41,458 | 47,691 | 100,163 | 327,623 |
| 2 | COMPANY USE (therms) | | 2,356 | 2,202 | 2,044 | 1,933 | 2,259 | 3,365 | 14,159 |
| 3 | TOTAL SENDOUT (therms) | | 56,962 | 45,723 | 42,228 | 43,391 | 49,950 | 103,528 | 341,782 |
| 4 | COST PER THERM | | \$1.2055 | \$1 2025 | \$1 2142 | \$1.0817 | \$1.1455 | \$1.1903 | \$1.1781 |
| 5 | DIRECT PROPANE PURCHASED COSTS | | \$68,665 | \$55,180 | \$51,369 | \$47,003 | \$57,218 | \$123,234 | \$402,669 |
| 6 | PROPANE COST ADJUSTMENTS | | (\$155,515) | \$0 | \$0 | \$145,836 | \$32,481 | \$38,782 | \$61,584 |
| 7 | CNG DEMAND CHARGES | | \$10,417 | (\$2,083) | \$4,167 | \$4,167 | \$4,167 | \$4,167 | \$25,000 |
| 8 | UNAPPROVED CNG CHARGES | | (\$10,417) | \$2,083 | (\$4,167) | (\$4,167) | (\$4,167) | (\$4,167) | (\$25,000) |
| 9 | TOTAL PROPANE COSTS | | (\$86,850) | \$55,180 | \$51,369 | \$192,839 | \$89,699 | \$162,016 | \$464,252 |
| | REVENUES | | | | | | | | |
| 10 | FIRM SALES (therms) | | 111,579 | 53,960 | 39,256 | 37,988 | 46,254 | 47,591 | 336,628 |
| 11 | AVERAGE RATE PER THERM | | \$1.4130 | \$1 0173 | \$1 0356 | \$1.0020 | \$0.6015 | \$0.6322 | \$1.0163 |
| 12 | TOTAL BILLED REVENUES | | \$157,664 | \$54,894 | \$40,652 | \$36,093 | \$34,834 | \$40,793 | \$364,930 |
| 13 | UNBILLED REVENUES | | \$65,772 | (\$27,864) | (\$2,433) | (\$9,099) | \$5,339 | \$75,198 | \$106,913 |
| 14 | TOTAL REVENUES | | \$223,436 | \$27,030 | \$38,219 | \$26,994 | \$40,173 | \$115,991 | \$471,843 |
| 15 | (OVER)/UNDER COLLECTION | | (\$310,286) | \$28,150 | \$13,149 | \$165,845 | \$49,526 | \$46,025 | (\$7,592) |
| 16 | INTEREST AMOUNT | | (\$204) | (\$733) | (\$336) | \$18 | \$158 | \$404 | (\$691) |
| 17 | TOTAL (OVER)/UNDER COLLECTION - FINAL | \$99,350 | (\$310,490) | \$27,416 | \$12,814 | \$165,863 | \$49,684 | \$46,429 | \$91,066 |

INTEREST CALCULATION SUMMER PERIOD 2019

| LINE NO. | MONTH | (1) BEG. OF MONTH BALANCE | (2) (OVER) UNDER COLLECT | (3) | (4) END OF MONTH BALANCE (COL.1+2+3) | (5) AVERAGE BALANCE COL. (COL. [1+4]/2) | (6) ANNUAL INTEREST RATE | (7) INTEREST AMOUNT | (8) MONTH END BAL. WITH INTEREST (COL. 4+7) | |
|-------------|----------|------------------------------------|-----------------------------------|-----|--|---|-----------------------------------|---------------------|---|---|
| 1 | NOV 2018 | \$91,066 | \$0 | \$0 | \$91,066 | \$91,066 | 5.25% | \$398 | \$91,464 | |
| 2 | DEC | 91,464 | 0 | 0 | 91,464 | 91,464 | 5.50% | 419 | 91,883 | |
| 3 | JAN 2019 | 91,883 | 0 | 0 | 91,883 | 91,883 | 5.50% | 421 | 92,304 | |
| 4 | FEB | 92,304 | 0 | 0 | 92,304 | 92,304 | 5.50% | 423 | 92,727 | |
| 5 | MAR | 92,727 | 0 | 0 | 92,727 | 92,727 | 5.50% | 425 | 93,152 | |
| 6 | APR | 93,152 | 0 | 0 | 93,152 | 93,152 | 5.50% | 427 | (93,115) | |
| 7 | MAY | (93,115) | (14,226) | 0 | (107,340) | (100,227) | 5.50% | (459) | (107,799) | |
| 8 | JUN | (107,799) | (3,956) | 0 | (111,755) | (109,777) | 5.50% | (503) | (112,258) | |
| 9 | JUL | (112,258) | 15,840 | 0 | (96,418) | (104,338) | 5.50% | (478) | (96,896) | |
| 10 | AUG | (96,896) | 20,704 | 0 | (76,193) | (86,544) | 5.50% | (397) | (76,590) | |
| 11 | SEP | (76,590) | 10,298 | 0 | (66,292) | (71,441) | 5.50% | (327) | (66,619) | |
| 12 | OCT | (66,619) | 66,770 | 0 | 150 | (33,234) | 5.50% | (152) | (2) | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | = | \$197 | = | |
| | | | | | | | | | | |
| 15 | = | COL. 1, LINE 1 | | + | COL. 7, LINES | S 1 TO 6 | | | | |
| 16 | = | 91,066 | | + | 2,513 | = . | 93,579 | ` | 019 R TO SCHEDULE B, DJUSTMENTS UND | , |

^[1] PUC audit staff's recommended adjustments to the summer 2018 Cog reconciliation are included in column 8 line 6

| | LIBERTY UTILITIES - KEENE DIVISION Weather Normalization - Firm Sendout | | | | | | | | | | | | | | |
|--------|---|----------|-----------|-------------|-------------|-----------------|------------------|------------|-----------|-----------------|---------|-------------------|-------------------|--|--|
| | | | | | | Weather Norn | nalization - Fir | m Sendout | | | | | | | |
| | | | | Actual | Normal | | | | | | | | | | |
| | Actual | | | Calendar | Calendar | | Actual Unit | | | Normalized | Actual | Unaccounted | Total | | |
| | Firm | | | Month | Month | Colder (Warmer) | Heat Load | Weather | Normal | Firm | Company | For | Firm | | |
| Period | Sendout | Base Use | Heat Use | Degree Days | Degree Days | Than Normal | Therm/DD | Adjustment | Heat Load | Sendout | Use | 3.32% | Sendout | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | | |
| | | | | | | | | | | | | | | | |
| | | | (1) - (2) | | | (4) - (5) | (3) / (4) | (6) X (7) | (3) + (8) | (1) - (3) + (9) | | (10 - 11) * 3.32% | (10) - (11) +(12) | | |
| | | | | | | | | | | | | | | | |
| May-18 | 56,962 | 42,810 | 14,153 | 162 | 279 | (117) | 87.36 | 10,221 | 24,374 | 67,183 | 2,356 | 2,152 | 66,980 | | |
| Jun-18 | 45,723 | 42,810 | 2,914 | 70 | 75 | (5) | 41.62 | 208 | 3,122 | 45,931 | 2,202 | 1,452 | 45,181 | | |
| Jul-18 | 42,228 | 42,810 | 0 | 1 | 12 | (11) | 0.00 | 0 | 0 | 42,228 | 2,044 | 1,334 | 41,518 | | |
| Aug-18 | 43,391 | 42,810 | 582 | 3 | 22 | (19) | 193.83 | 3,683 | 4,264 | 47,074 | 1,933 | 1,499 | 46,640 | | |
| Sep-18 | 49,950 | 42,810 | 7,141 | 113 | 161 | (48) | 63.19 | 3,033 | 10,174 | 52,983 | 2,259 | 1,684 | 52,408 | | |
| Oct-18 | 103,528 | 42,810 | 60,719 | 534 | 488 | 46 | 113.71 | (5,230) | 55,488 | 98,298 | 3,365 | 3,152 | 98,084 | | |
| | | | | | | | | | | | | | | | |
| Total | 341,782 | 256,857 | 85,507 | 883 | 1,037 | (154) | | 11,915 | 97,421 | 353,697 | 14,159 | 11,273 | 350,811 | | |

| | LIBERTY UTILITIES - KEENE DIVISION Revised Weather Normalization - Sales Rate Residential | | | | | | | | | | | | | | |
|--------|---|------------------------|-----------|--------------|--|--|--------------------------------|--------------------------------------|-----------------------|---------------------|--|--|--|--|--|
| Period | Billing Cycle Customers | Billing Cycle Sales | Base Load | Heating Load | Billing Cycle Monthly Actual Degree Days | Billing Cycle Monthly Normal Degree Days | Colder (Warmer) Than Normal | Actual Unit Heat Load Therm/DD | Weather Adjustment | Normal Heat Load | Normal Firm Billing Cycle Therms | | | | |
| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | | | | |
| | | | | (1) - (2) | | | (4) - (5) | (3) / (4) | (6) X (7) | (3) + (8) | (1) - (3) + (9) | | | | |
| May-18 | 792 | 20,176 | 6,971 | 13,206 | 602 | 539 | 63 | 21.94 | (1,382) | 11,824 | 18,794 | | | | |
| Jun-18 | 893 | 10,835 | 6,971 | 3,865 | 148 | 248 | (100) | 26.11 | 2,611 | 6,476 | 13,446 | | | | |
| Jul-18 | 892 | 7,650 | 6,971 | 680 | 59 | 65 | (6) | 11.52 | 69 | 749 | 7,719 | | | | |
| Aug-18 | 880 | 6,291 | 6,971 | 0 | 1 | 14 | (13) | 0.00 | 0 | 0 | 6,291 | | | | |
| Sep-18 | 885 | 8,028 | 6,971 | 1,058 | 23 | 47 | (24) | 45.98 | 1,103 | 2,161 | 9,131 | | | | |
| Oct-18 | 864 | 8,533 | 6,971 | 1,563 | 177 | 211 | (34) | 8.83 | 300 | 1,863 | 8,833 | | | | |
| Total | | 61,513 | 41,823 | 20,370 | 1,010 | 1,124 | (114) | 23.70 | 2,702 | 23,071 | 64,214 | | | | |

| | LIBERTY UTILITIES - KEENE DIVISION Revised Weather Normalization - Sales Rate Commercial | | | | | | | | | | | | | | |
|--------|--|------------------------|-----------|--------------|--|--|--------------------------------|--------------------------------------|-----------------------|---------------------|--|--|--|--|--|
| Period | Billing Cycle Customers | Billing Cycle Sales | Base Load | Heating Load | Billing Cycle Monthly Actual Degree Days | Billing Cycle Monthly Normal Degree Days | Colder (Warmer) Than Normal | Actual Unit Heat Load Therm/DD | Weather Adjustment | Normal Heat Load | Normal Firm Billing Cycle Therms | | | | |
| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | | | | |
| | | | | (1) - (2) | | | (4) - (5) | (3) / (4) | (6) X (7) | (3) + (8) | (1) - (3) + (9) | | | | |
| May-18 | 457 | 91,438 | 31,651 | 59,787 | 627 | 554 | 73 | 95.35 | (6,961) | 52,826 | 84,477 | | | | |
| Jun-18 | 466 | 43,125 | 31,651 | 11,474 | 151 | 255 | (104) | 75.99 | 7,903 | 19,377 | 51,028 | | | | |
| Jul-18 | 331 | 31,606 | 31,651 | 0 | 62 | 68 | (6) | 0.00 | 0 | 0 | 31,606 | | | | |
| Aug-18 | 324 | 31,696 | 31,651 | 45 | 1 | 13 | (12) | 45.00 | 540 | 585 | 32,236 | | | | |
| Sep-18 | 315 | 38,226 | 31,651 | 6,575 | 19 | 42 | (23) | 346.05 | 7,959 | 14,534 | 46,185 | | | | |
| Oct-18 | 313 | 39,059 | 31,651 | 7,408 | 161 | 198 | (37) | 46.01 | 1,702 | 9,110 | 40,761 | | | | |
| Total | | 275,150 | 189,906 | 85,289 | 1,021 | 1,130 | (109) | 102.23 | 11,143 | 96,432 | 286,293 | | | | |

Summary - Total Summer Season Billed Sales

| | Actual 2018 | Normalized |
|-----------|-------------|------------|
| | Actual 2010 | Normanzeu |
| May | 111,614 | 103,271 |
| June | 53,960 | 64,474 |
| July | 39,256 | 39,325 |
| August | 37,987 | 38,527 |
| September | 46,254 | 55,316 |
| October | 47,592 | 49,594 |
| Total | 336.663 | 350.507 |

LIBERTY UTILITIES - KEENE DIVISION Typical Residential Heating Bill - Fixed Price Option Program Forecasted 2019 Summer Period vs. Actual 2018 Summer Period

| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) |
|----------|--|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|---------------------|
| 2 | 12 MONTHS ENDED 10/2018 | Nov-17 | Dec-17 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | Winter Nov-Apr | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Summer May-Oct | Total Nov-Oct |
| 3 4 | Typical Usage - therms (1) Residential Heating | 64 | 120 | 158 | 251 | 245 | 132 | 970 | 91 | 28 | 14 | 10 | 9 | 20 | 172 | 1,142 |
| 5 6 | Customer Charge Delivery Charge: Winter Summer | \$9.00 | \$9.00 | \$9.00 | \$9.00 | \$9.00 | \$9.00 | \$54.00 | \$14.88 | \$14.88 | \$14.88 | \$14.88 | \$14.88 | \$14.88 | \$89.28 | \$143.28 |
| 7 | First 80 therms @ \$1.1522 \$0.5580 | \$73.74 | \$92.18 | \$92.18 | \$92.18 | \$92.18 | \$92.18 | \$534.64 | \$44.64 | \$15.62 | \$7.81 | \$5.58 | \$5.02 | \$11.16 | \$89.83 | \$624.47 |
| 8 9 | Next 120 therms @ \$0.9442 \$0.5580 Over 200 therms @ \$0.7946 \$0.5580 | \$0.00 \$0.00 | \$37.77 \$0.00 | \$73.65 \$0.00 | \$113.30 \$40.52 | \$113.30 \$35.76 | \$49.10 \$0.00 | \$387.12 \$76.28 | \$6.14 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$6.14 \$0.00 | \$393.26 \$76.28 |
| 10 | Base Delivery Revenue Total | \$82.74 | \$138.95 | \$174.83 | \$255.00 | \$250.24 | \$150.28 | \$1,052.04 | \$65.66 | \$30.50 | \$22.69 | \$20.46 | \$19.90 | \$26.04 | \$185.25 | \$1,237.29 |
| 11 | Deferred Revenue Surcharge Rate | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0,0000 | | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | | |
| | Deferred Revenue Surcharge Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| | COG Rates | \$1.2408 | \$1.2408 | \$1.2408 | \$1.2408 | \$1.2408 | \$1.2408 | \$1.2408 | \$0.9995 | \$1.0765 | \$0.9752 | \$0.7462 | \$0.7800 | \$1.2494 | \$1.0128 | \$1.2065 |
| 14 | Cost of Gas Total | \$79.41 | \$148.90 | \$196.05 | \$311.44 | \$304.00 | \$163.79 | \$1,203.59 | \$90.95 | \$30.14 | \$13.65 | \$7.46 | \$7.02 | \$24.99 | \$174.21 | \$1,377.80 |
| | LDAC Rate LDAC Total | \$0.0000 \$0.00 | \$0.0000 \$0.00 | \$0.0000 \$0.00 | \$0.0000 \$0.00 | \$0.0000 \$0.00 | \$0.0000 \$0.00 | \$0.00 | \$0.0945 \$8.60 | \$0.0945 \$2.65 | \$0.0945 \$1.32 | \$0.0945 \$0.95 | \$0.0945 \$0.85 | \$0.0945 \$1.89 | \$16.25 | \$16.25 |
| | | \$162 | \$288 | \$371 | \$566 | \$554 | \$314 | \$2,256 | \$165 | \$63 | \$38 | \$29 | \$28 | \$53 | \$376 | \$2,631 |
| 17 | Total Bill | \$162 | \$200 | \$3/1 | \$200 | \$ 334 | \$314 | \$2,256 | \$165 | \$63 | \$38 | \$29 | \$28 | \$33 | \$376 | \$2,031 |
| | | | | | | | | | | | | | | | | |
| 18 19 | 12 MONTHS ENDED 10/2019 | Nov-18 | Dec-18 | Jan-19 | Feb-19 | Mar-19 | Apr-19 | Winter Nov-Apr | May-19 | Jun-19 | Jul-19 | Aug-19 | Sep-19 | Oct-19 | Summer May-Oct | Total Nov-Oct |
| | | 64 | | | 251 | | | | 91 | | | | 9 | | 172 | |
| 20 21 | Typical Usage - therms (1) Residential Heating | 64 | 120 | 158 | 251 | 245 | 132 | 970 | 91 | 28 | 14 | 10 | 9 | 20 | 172 | 1,142 |
| 22 23 | Customer Charge | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$90.12 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$90.12 | \$180.24 |
| 24 | Delivery Charge: Winter Summer First 80 therms @ \$0.5502 \$0.5502 | \$35.21 | \$44.02 | \$44.02 | \$44.02 | \$44.02 | \$44.02 | \$255.31 | \$44.02 | \$15.41 | \$7.70 | \$5.50 | \$4.95 | \$11.00 | \$88.58 | \$343.89 |
| 25 26 | Next 120 therms @ \$0.5502 \$0.5502 Over 200 therms @ \$0.5502 \$0.5502 | \$0.00 \$0.00 | \$22.01 \$0.00 | \$42.92 \$0.00 | \$66.02 \$28.06 | \$66.02 \$24.76 | \$28.61 \$0.00 | \$225.58 \$52.82 | \$6.05 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$6.05 \$0.00 | \$231.63 \$52.82 |
| 27 | Base Delivery Revenue Total | \$50.23 | \$81.05 | \$101.96 | \$153.12 | \$149.82 | \$87.65 | \$623.83 | \$65.09 | \$30.43 | \$22.72 | \$20.52 | \$19.97 | \$26.02 | \$184.75 | \$808.58 |
| | | 400.20 | ψοσσ | ψ.σ.ισσ | Ų.002 | Ų11010 <u>2</u> | ψο. 100 | -\$428.21 | ψου.σο | 400.10 | | V20.02 | V 10.01 | \$20.02 | | |
| | Seasonal Base Delivery Difference from previous year Seasonal Percent Change from previous year | | | | | | | -\$428.21 -40.7% | | | | | | | -\$0.50 -0.3% | -\$428.71 -34.6% |
| 30 | Deferred Revenue Surcharge Rate | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | | |
| 31 | Deferred Revenue Surcharge Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| | COG Rates | \$1.3743 | \$1.3743 | \$1.3743 | \$1.3743 | \$1.3743 | \$1.3743 | \$1.3743 | \$0.9886 | \$0.9886 | \$0.9886 | \$0.9886 | \$0.9886 | \$0.9886 | \$0.9886 | \$1.3162 |
| 33 | Cost of Gas Total | \$87.96 | \$164.92 | \$217.14 | \$344.95 | \$336.70 | \$181.41 | \$1,333.08 | \$89.96 | \$27.68 | \$13.84 | \$9.89 | \$8.90 | \$19.77 | \$170.04 | \$1,503.12 |
| | LDAC Rate LDAC Total | \$0.0660 \$4.22 | \$0.0660 \$7.92 | \$0.0660 \$10.43 | \$0.0660 \$16.57 | \$0.0660 \$16.17 | \$0.0660 \$8.71 | \$0.3960 \$64.02 | \$0.0660 \$6.01 | \$0.0660 \$1.85 | \$0.0660 \$0.92 | \$0.0660 \$0.66 | \$0.0660 \$0.59 | \$0.0660 \$1.32 | \$11.35 | \$75.37 |
| | | φ 4 .22 | φ1.3Z | ₽10.43 | φ10.J1 | φ10.17 | φυ./ Ι | | φυ.υ1 | φ1.00 | 90.32 | \$0.00 | φυ.39 | φ1.32 | | |
| | Seasonal COG Difference from previous year Seasonal Percent Change from previous year | | | | | | | \$129.49 10.8% | | | | | | | -\$4.17 -2.4% | \$125.32 9.1% |
| 38 | Total Bill | \$142 | \$254 | \$330 | \$515 | \$503 | \$278 | \$2,021 | \$161 | \$60 | \$37 | \$31 | \$29 | \$47 | \$366 | \$2,387 |
| 39 40 | Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year | | | | | | | -\$234.70 -10.4% | | - | | | - | | -\$9.57 -2.5% | -\$244.27 -9.3% |
| 41 | Seasonal Percent Change resulting from Base Rates (incl | . Def. Revenu | e Surch.) | | | | | -19.0% | | | | | | | -4.5% | -16.9% |
| | Seasonal Percent Change resulting from COG Seasonal Percent Change resulting from LDAC | | | | | | | 5.7% 2.8% | | | | | | | -1.1% -1.3% | 4.8% 2.2% |

⁽¹⁾ Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.
(2) LDAC was included in Keene distribution rates beginning on 05/01/18, as authorized by NHPUC Order No. 26,122 dated April 27, 2018, in Docket No. DG 17-048

LIBERTY UTILITIES - KEENE DIVISION Typical Residential Heating Bill - Non-Fixed Price Option Program Forecasted 2019 Summer Period vs. Actual 2018 Summer Period

| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) |
|-------------|---|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|-------------------------------|
| 2 | 12 MONTHS ENDED 10/2018 | Nov-17 | Dec-17 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | Winter Nov-Apr | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Summer May-Oct | Total Nov-Oct |
| 3 4 | Typical Usage - therms (1) Residential Heating | 64 | 120 | 158 | 251 | 245 | 132 | 970 | 91 | 28 | 14 | 10 | 9 | 20 | 172 | 1,142 |
| 5 | Customer Charge Delivery Charge: Winter Summer | \$9.00 | \$9.00 | \$9.00 | \$9.00 | \$9.00 | \$9.00 | \$54.00 | \$14.88 | \$14.88 | \$14.88 | \$14.88 | \$14.88 | \$14.88 | \$89.28 | \$143.28 |
| 6 7 8 | First 80 therms @ \$1.1522 \$0.5580 | \$73.74 | \$92.18 \$37.77 | \$92.18 | \$92.18 | \$92.18 | \$92.18 \$49.10 | \$534.64 | \$44.64 | \$15.62 \$0.00 | \$7.81 \$0.00 | \$5.58 | \$5.02 | \$11.16 | \$89.83 | \$624.47 \$393.26 |
| 9 | Next 120 therms @ \$0.9442 \$0.5580 Over 200 therms @ \$0.7946 \$0.5580 | \$0.00 \$0.00 | \$0.00 | \$73.65 \$0.00 | \$113.30 \$40.52 | \$113.30 \$35.76 | \$49.10 | \$387.12 \$76.28 | \$6.14 \$0.00 | \$0.00 | \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$6.14 \$0.00 | \$393.26 \$76.28 |
| 10 | Base Delivery Revenue Total | \$82.74 | \$138.95 | \$174.83 | \$255.00 | \$250.24 | \$150.28 | \$1,052.04 | \$65.66 | \$30.50 | \$22.69 | \$20.46 | \$19.90 | \$26.04 | \$185.25 | \$1,237.29 |
| 11 | Deferred Revenue Surcharge Rate | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | 40.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | 00.00 | ** |
| | Deferred Revenue Surcharge Total | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.00 | \$0.00 |
| 13 14 | COG Rates Cost of Gas Total | \$1.2533 \$80.21 | \$1.2533 \$150.40 | \$1.3008 \$205.53 | \$1.5666 \$393.22 | \$1.5666 \$383.82 | \$1.5221 \$200.92 | \$1.4578 \$1,414.10 | \$0.9995 \$90.95 | \$1.0765 \$30.14 | \$0.9752 \$13.65 | \$0.7462 \$7.46 | \$0.7800 \$7.02 | \$1.2494 \$24.99 | \$1.0128 \$174.21 | \$1.3908 \$1,588.31 |
| 15 | LDAC Rate | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | | \$0.0945 | \$0.0945 | \$0.0945 | \$0.0945 | \$0.0945 | \$0.0945 | | |
| 16 | LDAC Total | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$8.60 | \$2.6460 | \$1.3230 | \$0.9450 | \$0.8505 | \$1.8900 | \$16.25 | \$16.25 |
| 17 | Total Bill | \$163 | \$289 | \$380 | \$648 | \$634 | \$351 | \$2,466 | \$165 | \$63 | \$38 | \$29 | \$28 | \$53 | \$376 | \$2,842 |
| | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | Winter | | | | | | | Summer | Total |
| 19 | 12 MONTHS ENDED 10/2019 | Nov-18 | Dec-18 | Jan-19 | Feb-19 | Mar-19 | Apr-19 | Nov-Apr | May-19 | Jun-19 | Jul-19 | Aug-19 | Sep-19 | Oct-19 | May-Oct | Nov-Oct |
| 20 21 | Typical Usage - therms (1) Residential Heating | 64 | 120 | 158 | 251 | 245 | 132 | 970 | 91 | 28 | 14 | 10 | 9 | 20 | 172 | 1,142 |
| 22 23 | Customer Charge Delivery Charge: Winter Summer | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$90.12 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$15.02 | \$90.12 | \$180.24 |
| 24 | First 80 therms @ \$0.5502 \$0.5502 | \$35.21 | \$44.02 | \$44.02 | \$44.02 | \$44.02 | \$44.02 | \$255.31 | \$44.02 | \$15.41 | \$7.70 | \$5.50 | \$4.95 | \$11.00 | \$88.58 | \$343.89 |
| 25 26 | Next 120 therms @ \$0.5502 \$0.5502 Over 200 therms @ \$0.5502 \$0.5502 | \$0.00 \$0.00 | \$22.01 \$0.00 | \$42.92 \$0.00 | \$66.02 \$28.06 | \$66.02 \$24.76 | \$28.61 \$0.00 | \$225.58 \$52.82 | \$6.05 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$6.05 \$0.00 | \$231.63 \$52.82 |
| 27 | Base Delivery Revenue Total | \$50.23 | \$81.05 | \$101.96 | \$153.12 | \$149.82 | \$87.65 | \$623.83 | \$65.09 | \$30.43 | \$22.72 | \$20.52 | \$19.97 | \$26.02 | \$184.75 | \$808.58 |
| 28 | Seasonal Base Delivery Difference from previous year | | | | | | | -\$428.21 | | | | • | | | -\$0.50 | -\$428.71 |
| | Seasonal Percent Change from previous year | | | | | | | -40.7% | | | | | | | -0.3% | -34.6% |
| 30 | Deferred Revenue Surcharge Rate | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | 40.00 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | 00.00 | *** |
| | Deferred Revenue Surcharge Total | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 32 33 | COG Rates Cost of Gas Total | \$1.3802 \$88.33 | \$1.4734 \$176.81 | \$1.5311 \$241.91 | \$1.5011 \$376.78 | \$1.3135 \$321.81 | \$1.2651 \$166.99 | \$1.4151 \$1,372.63 | \$0.9886 \$89.96 | \$0.9886 \$27.68 | \$0.9886 \$13.84 | \$0.9886 \$9.89 | \$0.9886 \$8.90 | \$0.9886 \$19.77 | \$0.9886 \$170.04 | \$1.3508 \$1,542.67 |
| 34 | LDAC Rate | \$0.0660 | \$0.0660 | \$0.0660 | \$0.0660 | \$0.0660 | \$0.0660 | | \$0.0660 | \$0.0660 | \$0.0660 | \$0.0660 | \$0.0660 | \$0.0660 | | |
| 35 | LDAC Total | \$4.22 | \$7.92 | \$10.43 | \$16.57 | \$16.17 | \$8.71 | \$64.02 | \$6.01 | \$1.85 | \$0.92 | \$0.66 | \$0.59 | \$1.32 | \$11.35 | \$75.37 |
| 36 37 | Seasonal COG Difference from previous year Seasonal Percent Change from previous year | | | | | | | -\$41.47 -2.9% | | | | | | | -\$4.17 -2.4% | -\$45.64 -2.9% |
| 38 | Total Bill | \$143 | \$266 | \$354 | \$546 | \$488 | \$263 | \$2,060 | \$161 | \$60 | \$37 | \$31 | \$29 | \$47 | \$366 -\$9.57 | \$2,427 -\$415.23 |
| 39 40 | Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year | | | | | | | -\$405.66 -16.4% | | | | | | | -2.5% | -14.6% |
| 41 42 | Seasonal Percent Change resulting from Base Rates (incl Seasonal Percent Change resulting from COG | . Def. Revenu | ie Surch.) | | | | | (\$0.17) -1.7% | | | | | | | -4.5% -1.1% | -15.7% -1.6% |
| | Seasonal Percent Change resulting from LDAC | | | | | | | 2.6% | | | | | | | -1.3% | 2.1% |

⁽¹⁾ Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.
(2) LDAC was included in Keene distribution rates beginning on 05/01/18, as authorized by NHPUC Order No. 26,122 dated April 27, 2018, in Docket No. DG 17-048

B D PREMIUM FOR PRE-PURCHASED GALLONS - PRIOR YEAR

| | Mt. Belvieu | | Pipeline | Bro | oker + Suppl | ier | | | | | Keene Div. | Contract | Keene Div. | Fixed | Plan | Contract | Plan | Cost | Per Gallon |
|--------|-------------|---|----------|-----|--------------|-----|----------|---|----------|---|------------|----------|------------|-----------|-------|----------|-----------|------------|------------|
| | Price | | Rate | | Fee | | PERC | | Trucking | | Price | Volumes | Cost | Basis Bid | Price | Volumes | Cost | Premium | Premium |
| Apr-18 | \$0.7538 | + | \$0 2265 | + | \$0.1000 | + | \$0.0045 | + | \$0.0862 | = | \$1.1710 | 115,000 | \$134,667 | | | 115,000 | | | -\$0.1022 |
| May-18 | \$0 8473 | + | \$0 2265 | + | \$0.1000 | + | \$0.0045 | + | \$0.0862 | = | \$1.2645 | 86,250 | \$109,063 | | | 86,250 | | | -\$0.1022 |
| Jun-18 | \$0 8790 | + | \$0 2265 | + | \$0.1000 | + | \$0.0045 | + | \$0.0862 | = | \$1.2962 | 86,250 | \$111,795 | | | 86,250 | | | -\$0.1022 |
| Jul-18 | \$0 8823 | + | \$0 2265 | + | \$0.1000 | + | \$0.0045 | + | \$0.0862 | = | \$1.2995 | 115,000 | \$149,448 | | | 115,000 | | | -\$0.1022 |
| Aug-18 | \$0 9181 | + | \$0 2265 | + | \$0.1000 | + | \$0.0045 | + | \$0.0862 | = | \$1.3353 | 86,250 | \$115,165 | | | 86,250 | | | -\$0.1022 |
| Sep-18 | \$1.0136 | + | \$0 2265 | + | \$0.1000 | + | \$0.0045 | + | \$0.0862 | = | \$1.4308 | 86,250 | \$123,404 | | | 86,250 | | | -\$0.1022 |
| Total | | | | | | | | | | | | 575,000 | \$743,542 | | | 575,000 | \$684,777 | (\$58,765) | -\$0.1022 |

COMPARISON OF CONTRACT COST TO HYPOTHETICAL SPOT COST WINTER SEASON 2018-2019 TO DATE

| Delivery Month | Contract Price (1) | Contract Volumes (2) | Contract Cost (3) | Average Spot Price (4) | Contract Volumes (5) | Hypothetical Spot Cost (6) | Incremental Cost / (Savings) of Plan (7) |
|-------------------|--------------------------|----------------------------|-------------------------|------------------------------|----------------------------|----------------------------------|---|
| | | | (1) x (2) | | | (4) x (5) | (3) - (6) |
| Nov-18 | \$1.2208 | 75,346 | \$91,979 | \$1.0501 | 75,346 | \$79,118 | \$12,861 |
| Dec-18 | \$1.2212 | 115,000 | \$140,437 | \$1.0090 | 115,000 | \$116,035 | \$24,402 |
| Jan-19 | \$1.2169 | 134,828 | \$164,069 | \$1.0352 | 134,828 | \$139,574 | \$24,495 |
| Feb-19 | \$1.1979 | 111,034 | \$133,012 | \$1.0402 | 111,034 | \$115,498 | \$17,514 |
| Total | | | \$529,496 | | | \$450,224 | \$79,272 |

17.6%

PROPANE PURCHASING STABILIZATION PLAN PRE-PURCHASES AND DELIVERY SCHEDULE

| Delivery | Pre-Purchases (Gallons) | | | | | | | | | | |
|-----------|-------------------------|--------|--------|---------|--------|--------|---------|--|--|--|--|
| Month | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Total | | | | |
| Nov-18 | 15,069 | 11,302 | 11,302 | 15,069 | 11,302 | 11,302 | 75,346 | | | | |
| Dec-18 | 23,000 | 17,250 | 17,250 | 23,000 | 17,250 | 17,250 | 115,000 | | | | |
| Jan-19 | 26,966 | 20,224 | 20,224 | 26,966 | 20,224 | 20,224 | 134,828 | | | | |
| Feb-19 | 22,207 | 16,655 | 16,655 | 22,207 | 16,655 | 16,655 | 111,034 | | | | |
| Mar-19 | 17,448 | 13,086 | 13,086 | 17,448 | 13,086 | 13,086 | 87,240 | | | | |
| Apr-19 | 10,310 | 7,733 | 7,733 | 10,310 | 7,733 | 7,733 | 51,552 | | | | |
| Total | 115,000 | 86,250 | 86,250 | 115,000 | 86,250 | 86,250 | 575,000 | | | | |
| Monthly % | 20.0% | 15.0% | 15.0% | 20.0% | 15.0% | 15.0% | | | | | |

The monthly allocation percentage for the pre-purchases is unchanged.

CALCULATION OF PURCHASED GAS COSTS SUMMER PERIOD 2019

| | | 19% | 13% | 12% | 13% | 15% | 28% | |
|----------|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| LINE | | | | | | | | |
| NO. | | MAY-19 | JUN-19 | JUL-19 | AUG-19 | SEP-19 | OCT-19 | TOTAL |
| 1 | TOTAL SENDOUT (GALLONS) | 75,775 | 51,784 | 47,608 | 53,084 | 59,744 | 110,871 | 398,866 |
| 2 | CHANGE TO END NG NVENTORY BALANCE (GALLONS) | - | - | - | - | - | - | - |
| 3 | TOTAL REQUIRED PURCHASES (GALLONS) | 75,775 | 51,784 | 47,608 | 53,084 | 59,744 | 110,871 | 398,866 |
| 4 | PROPANE PURCHASE STABILIZATION PLAN DELIVERIES | | | | | | | |
| 5 | GALLONS | - | - | - | - | - | - | - |
| 6 | RATES - from Schedule D | #0.0000 | #0.0000 | *** | 60.0000 | #0.0000 | #0.0000 | |
| 7 8 | Contract Price Broker Fee | \$0.0000 incl. | \$0.0000 incl. | \$0.0000 incl. | \$0 0000 incl. | \$0 0000 incl. | \$0.0000 incl. | |
| 9 | Pipeline Fee | incl. | incl. | incl. | incl. | incl. | incl. | |
| 10 | PERC Fee | incl. | incl. | incl. | incl. | incl. | incl. | |
| 11 | Trucking Fee | incl. | incl. | incl. | incl. | incl. | incl. | |
| 12 | COST PER GALLON | \$0.0000 | \$0.0000 | \$0.0000 | \$0 0000 | \$0 0000 | \$0.0000 | |
| 13 | TOTAL COST - Propane Purchase Stabilization Plan Deliveries | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 14 | AMHERST STORAGE PROPANE DELIVERIES | | | | | | | |
| 15 | GALLONS | - | - | - | - | - | - | - |
| 16 | RATES - from Schedule F | | | | | | | |
| 17 | WACOG Price | \$0.0000 | \$0.0000 | \$0.0000 | \$0 0000 | \$0 0000 | \$0.0000 | |
| 18 | Trucking Fee | \$0.0000 | \$0.0000 | \$0.0000 | \$0 0000 | \$0 0000 | \$0.0000 | |
| 19 | COST PER GALLON | \$0.0000 | \$0.0000 | \$0.0000 | \$0 0000 | \$0 0000 | \$0.0000 | |
| 0 | TOTAL COST - Amherst Storage Propane Deliveries | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 21 | CNG DELIVERIES | | | | | | | |
| 22 | GALLONS | 25,804 | 7,466 | 6,883 | 16,580 | 11,652 | 9,913 | 78,298 |
| 3 | RATE | | | | | | | |
| 4 | PRICE | | | | | | | |
| 5 | COST PER GALLON | | | | | | | |
| | | | | | | | | |
| 26 | COST - CNG | | | | | | | |
| 27 | DEMAND FIXED | | | | | | | |
| 28 | COST PER GALLON | | | | | | | |
| 29 | TOTAL CNG | | | | | | | |
| 30 | SPOT PURCHASES | | | | | | | |
| 31 | GALLONS | 49,971 | 44,318 | 40,725 | 36,504 | 48,092 | 100,958 | 320,568 |
| 32 | RATES - from Schedule E | | | | | | | |
| 33 | Mont Belvieu 3/11/19 | | | | | | | |
| 34 | Broker Fee | | | | | | | |
| 35 | Pipeline Fee | | | | | | | |
| 36 | PERC Fee | | | | | | | |
| 37 | Supplier Charge | | | | | | | |
| 88 | Trucking Fee | | | | | | | |
| 9 | COST PER GALLON - Market Quotes | | | | | | | |
| 0 | TOTAL COST - Spot Purchases | | | | | | | |
| 11 | OTHER ITEMS | | | | | | | |
| 11 12 | Storage - Winter Period 2015-2016 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 3 | Refund of Deferred Revenue Surcharge overcollection | \$0 \$0 |
| 4 | TOTAL OTHER ITEMS | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 15 | TOTAL | | | | | | | |
| | GALLONS | 75,775 | 51,784 | 47,608 | 53,084 | 59,744 | 110,871 | 398,866 |
| | THERMS | 69,336 | 47,383 | 43,562 | 48,573 | 54,667 | 101,449 | 364,970 |
| | COST | \$70,576 | \$52,462 | \$48,618 | \$51,567 | \$59,357 | \$110,487 | \$393,067 |
| | | | | | | | | |
| | COCT DED CALLON | #0.0044 | 04.0404 | 64 0040 | 60.0744 | #0.000 | #0.000 | eo oo== |
| 49 | COST PER GALLON COST PER THERM | \$0.9314 \$1.0179 | \$1.0131 \$1.1072 | \$1.0212 \$1.1161 | \$0 9714 \$1 0616 | \$0 9935 \$1 0858 | \$0.9965 \$1.0891 | \$0.9855 \$1.0770 |