


LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

M E M O R A N D U M

DATE: AUGUST 25, 2015

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM: 
MATT BROOKS, Operations Manager

SUBJECT: Operations Manager's Report

A. RECOMMENDATION

This is an information item.

B. REASON FOR RECOMMENDATION

This is an information item.

C. BACKGROUND INFORMATION

This report is to give an update on water delivered in 2015.

D. FISCAL INFORMATION

This is an information item.

E. ATTACHMENTS

- 2015 Monthly Report
- 2014 Monthly Report
- Water Delivered YTD Analysis

**ARROWHEAD WOODS MONTHLY DATA
ACRE FEET**

| 2015 MONTH | (1) TRANSFER TO GV LAKE | (2) WELLS TO SYSTEM | (3) BERNINA PLANT | (4) CEDAR GLEN PLANT | (5) COMBINED PLANT | (6) COMBINED PLANT BACKWASH | (7) BERNINA RECYCLE | (8) ROTW CLAWA PURCHASE (a) | (9) BRENTWOOD CLAWA PURCHASE (a) | (10) COMBINED PURCHASE (a) | (11) LAKE DRAW (b) | (12) DELIVERED TO DISTRIBUTIO N (c) | (13) METERED WATER | (14) UN-METERED WATER (d) | (15) UN-METERED % (e) |
|---------------------|-------------------------------|---------------------------|-------------------------|----------------------------|--------------------------|--------------------------------------|---------------------------|---|--|-------------------------------------|--------------------------|---|--------------------------|------------------------------------|--------------------------------|
| JANUARY | 0.00 | 3.01 | 82.26 | 0.00 | 82.26 | 6.99 | 2.56 | 0.00 | 0.00 | 0.00 | 82.26 | 80.84 | 57.79 | 23.05 | 28.51 |
| FEBRUARY | 0.00 | 16.57 | 51.62 | 0.00 | 51.62 | 4.47 | 1.47 | 0.00 | 0.00 | 0.00 | 51.62 | 65.19 | 46.38 | 18.81 | 28.85 |
| MARCH | 0.00 | 16.21 | 57.62 | 0.00 | 57.62 | 4.89 | 1.73 | 0.00 | 0.00 | 0.00 | 57.62 | 70.67 | 52.49 | 18.18 | 25.73 |
| 1ST QUARTER | 0.00 | 35.79 | 191.50 | 0.00 | 191.50 | 16.35 | 5.76 | 0.00 | 0.00 | 0.00 | 191.50 | 216.70 | 156.66 | 60.04 | 27.71 |
| APRIL | 0.00 | 15.04 | 52.46 | 2.76 | 55.22 | 4.97 | 2.81 | 0.00 | 5.05 | 5.05 | 55.22 | 73.15 | 57.08 | 16.07 | 21.97 |
| MAY | 0.00 | 14.76 | 48.88 | 6.03 | 54.91 | 5.46 | 2.64 | 0.00 | 32.24 | 32.24 | 54.91 | 99.09 | 76.41 | 22.68 | 22.89 |
| JUNE | 0.00 | 12.87 | 129.58 | 0.17 | 129.75 | 9.94 | 5.77 | 0.00 | 0.00 | 0.00 | 129.75 | 138.45 | 113.87 | 24.58 | 17.75 |
| 2ND QUARTER | 0.00 | 42.67 | 230.92 | 8.96 | 239.88 | 20.37 | 11.22 | 0.00 | 37.29 | 37.29 | 239.88 | 310.69 | 247.36 | 63.33 | 20.38 |
| SEMI-ANNUAL | 0.00 | 78.46 | 422.42 | 8.96 | 431.38 | 36.72 | 16.98 | 0.00 | 37.29 | 37.29 | 431.38 | 527.39 | 404.02 | 123.37 | 23.39 |
| JULY | 0.00 | 13.48 | 150.29 | 0.00 | 150.29 | 10.44 | 6.55 | 0.00 | 0.00 | 0.00 | 150.29 | 159.88 | 137.12 | 22.76 | 14.24 |
| AUGUST | | | | | | | | | | 0.00 | 0.00 | 0.00 | | 0.00 | #DIV/0! |
| SEPTEMBER | | | | | | | | | | 0.00 | 0.00 | 0.00 | | 0.00 | #DIV/0! |
| 3RD QUARTER | 0.00 | 13.48 | 150.29 | 0.00 | 150.29 | 10.44 | 6.55 | 0.00 | 0.00 | 0.00 | 150.29 | 159.88 | 137.12 | 22.76 | 14.24 |
| OCTOBER | | | | | | | | | | 0.00 | 0.00 | 0.00 | | 0.00 | #DIV/0! |
| NOVEMBER | | | | | | | | | | 0.00 | 0.00 | 0.00 | | 0.00 | #DIV/0! |
| DECEMBER | | | | | | | | | | 0.00 | 0.00 | 0.00 | | 0.00 | #DIV/0! |
| 4TH QUARTER | 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 | #DIV/0! |
| ANNUAL TOTAL | 0.00 | 91.94 | 572.71 | 8.96 | 581.67 | 47.16 | 23.53 | 0.00 | 37.29 | 37.29 | 581.67 | 687.27 | 541.14 | 146.13 | 21.26 |

(a) CLAWA consumption numbers are based upon monthly billing statements provided by CLAWA. CLAWA reads these meters on or near the 24th of each month, so the numbers may not be an actual representation of water consumed for said calendar month.

(b) Lake Draw = (1) + (5)

(c) Delivered to Distribution = (2) + (5) - (6) + (7) + (10)

(d) Un-Metered Water = (12) - (13)

(e) Un-Metered % = (14)/(12) X 100

**ARROWHEAD WOODS MONTHLY DATA
ACRE FEET**

| 2014 MONTH | (1) TRANSFER TO GV LAKE | (2) WELLS TO SYSTEM | (3) BERNINA PLANT | (4) CEDAR GLEN PLANT | (5) COMBINED PLANT | (6) COMBINED PLANT BACKWASH | (7) BERNINA RECYCLE | (8) ROTW CLAWA PURCHASE (a) | (9) BRENTWOOD CLAWA PURCHASE (a) | (10) COMBINED PURCHASE (a) | (11) LAKE DRAW (b) | (12) DELIVERED TO DISTRIBU TION (c) | (13) METERED WATER | (14) UN-METERED WATER (d) | (15) UN-METERED % (e) |
|---------------------|-------------------------------|---------------------------|-------------------------|----------------------------|--------------------------|--------------------------------------|---------------------------|---|--|-------------------------------------|--------------------------|---|--------------------------|------------------------------------|--------------------------------|
| JANUARY | 0.00 | 13.06 | 50.45 | 0.00 | 50.45 | 3.74 | 2.85 | 0.00 | 8.71 | 8.71 | 50.45 | 71.33 | 56.84 | 14.49 | 20.31 |
| FEBRUARY | 0.00 | 15.42 | 17.42 | 0.00 | 17.42 | 1.56 | 0.80 | 0.00 | 25.52 | 25.52 | 17.42 | 57.60 | 48.46 | 9.14 | 15.87 |
| MARCH | 0.00 | 13.35 | 53.92 | 0.00 | 53.92 | 3.66 | 2.52 | 0.00 | 7.06 | 7.06 | 53.92 | 73.19 | 51.66 | 21.53 | 29.42 |
| 1ST QUARTER | 0.00 | 41.83 | 121.79 | 0.00 | 121.79 | 8.96 | 6.17 | 0.00 | 41.29 | 41.29 | 121.79 | 202.12 | 156.96 | 45.16 | 22.34 |
| APRIL | 0.00 | 15.36 | 58.74 | 0.00 | 58.74 | 4.84 | 3.94 | 0.00 | 0.00 | 0.00 | 58.74 | 73.20 | 57.86 | 15.34 | 20.96 |
| MAY | 0.00 | 13.93 | 120.22 | 0.00 | 120.22 | 8.71 | 5.31 | 18.94 | 0.00 | 18.94 | 120.22 | 149.69 | 120.88 | 28.81 | 19.25 |
| JUNE | 0.00 | 13.95 | 124.62 | 2.69 | 127.31 | 9.31 | 5.44 | 43.55 | 0.00 | 43.55 | 127.31 | 180.94 | 157.56 | 23.38 | 12.92 |
| 2ND QUARTER | 0.00 | 43.24 | 303.58 | 2.69 | 306.27 | 22.86 | 14.69 | 62.49 | 0.00 | 62.49 | 306.27 | 403.83 | 336.30 | 67.53 | 16.72 |
| SEMI-ANNUAL | 0.00 | 85.07 | 425.37 | 2.69 | 428.06 | 31.82 | 20.86 | 62.49 | 41.29 | 103.78 | 428.06 | 605.95 | 493.26 | 112.69 | 18.60 |
| JULY | 0.00 | 15.66 | 127.15 | 0.00 | 127.15 | 8.33 | 5.68 | 66.53 | 0.00 | 66.53 | 127.15 | 206.69 | 174.57 | 32.12 | 15.54 |
| AUGUST | 0.00 | 12.83 | 104.04 | 0.00 | 104.04 | 7.45 | 4.12 | 68.56 | 0.00 | 68.56 | 104.04 | 182.10 | 167.20 | 14.90 | 8.18 |
| SEPTEMBER | 0.00 | 13.76 | 156.22 | 0.00 | 156.22 | 10.51 | 5.97 | 4.45 | 0.00 | 4.45 | 156.22 | 169.89 | 130.54 | 39.35 | 23.16 |
| 3RD QUARTER | 0.00 | 42.25 | 387.41 | 0.00 | 387.41 | 26.29 | 15.77 | 139.54 | 0.00 | 139.54 | 387.41 | 558.68 | 472.31 | 86.37 | 15.46 |
| OCTOBER | 0.00 | 13.19 | 105.49 | 20.37 | 125.86 | 7.59 | 3.20 | 0.00 | 0.00 | 0.00 | 125.86 | 134.66 | 110.30 | 24.36 | 18.09 |
| NOVEMBER | 0.00 | 12.02 | 78.92 | 0.00 | 78.92 | 7.70 | 2.83 | 0.00 | 0.00 | 0.00 | 78.92 | 86.07 | 59.44 | 26.63 | 30.94 |
| DECEMBER | 0.00 | 0.37 | 83.25 | 0.00 | 83.25 | 7.44 | 2.76 | 0.00 | 0.00 | 0.00 | 83.25 | 78.94 | 62.33 | 16.61 | 21.04 |
| 4TH QUARTER | 0.00 | 25.58 | 267.66 | 20.37 | 288.03 | 22.73 | 8.79 | 0.00 | 0.00 | 0.00 | 288.03 | 299.67 | 232.07 | 67.60 | 22.56 |
| ANNUAL TOTAL | 0.00 | 152.90 | 1080.44 | 23.06 | 1103.50 | 80.84 | 45.42 | 202.03 | 41.29 | 243.32 | 1103.50 | 1464.30 | 1197.64 | 266.66 | 18.21 |

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(b) Lake Draw = (1) + (5)

(c) Delivered to Distribution = (2) + (5) - (6) + (7) + (10)

(d) Un-Metered Water = (12) - (13)

(e) Un-Metered % = (14)/(12) X 100

August 11, 2015

Water Delivered YTD Analysis

- In July 2015 (159.88 AF), consumption was down 22.6% when compared to July 2014 (206.69 AF). Through 7 months of 2015 (687.27 AF), consumption is down 15.5% compared to the first 7 months of 2014 (812.64 AF). These numbers are based off of column (12) on the Report, and only counts water delivered to the Distribution System.
- July 2015 Lake Draw = 150.29 AF vs July 2014 = 127.15 AF. Lake Draw 1st 7 months of 2015 = 581.67 vs 1st 7 months of 2014 = 555.21.
- July 2015 Wells to System = 13.48 AF vs July 2014 = 15.66 AF. Wells to System 1st 7 months of 2015 = 91.94 AF vs 1st 7 months of 2014 = 100.73 AF.
- July 2015 total CLAWA purchase = 0 AF. CLAWA purchase 1st 7 months of 2015 = 37.29 AF vs 1st 7 months of 2014 = 170.31 AF. We have used our CLAWA I allotment for calendar year 2015, and CLAWA is now OFF.