

Общие параметры

Активная база данных: 1 Потребитель: Школьная 49
Поставщик:

| Дата | БД | НС |
|-------------|-----|-----|
| 23.01.21 | 1 | |
| 24.01.21 | 1 | |
| 25.01.21 | 1 | |
| 26.01.21 | 1 | |
| 27.01.21 | 1 | НС! |
| 28.01.21 | 1 | |
| 29.01.21 | 1 | |
| 30.01.21 | 1 | |
| 31.01.21 | 1 | |
| 01.02.21 | 1 | |
| 02.02.21 | 1 | |
| 03.02.21 | 1 | |
| 04.02.21 | 1 | |
| 05.02.21 | 1 | |
| 06.02.21 | 1 | |
| 07.02.21 | 1 | |
| 08.02.21 | 1 | |
| 09.02.21 | 1 | |
| 10.02.21 | 1 | |
| 11.02.21 | 1 | |
| 12.02.21 | 1 | |
| 13.02.21 | 1 | |
| 14.02.21 | 1 | |
| 15.02.21 | 1 | |
| 16.02.21 | 1 | |
| 17.02.21 | 1 | |
| 18.02.21 | 1 | |
| 19.02.21 | 1 | |
| 20.02.21 | 1 | |
| 21.02.21 | 1 | |
| 22.02.21 | 1 | |
| Среднее | --- | --- |
| Итого | --- | --- |
| На 23.01.21 | --- | --- |
| На 22.02.21 | --- | --- |

Ответственный за учет _____

Отчет принят " __ " _____ 20__ г. _____ / _____ /

Тепловой ввод 1. Схема 3

Активная база данных: 1 Потребитель: Школьная 49
Поставщик:

| Дата | Схема | Qo, Гкал | Qr, Гкал | M1, т | M2, т | M3, т | Mг, т | V1, м3 | V2, м3 | V3, м3 | dV, м3 | t1, °C | t2, °C | t3, °C | dt, °C | P1, кгс/см2 | P2, кгс/см2 | ВНП, ч | ВОС, ч | HC Qo | HC Qr | HC M1 | HC M2 | HC M3 | HC Mг | HC V1 | HC V2 | HC V3 | HC t1 | HC t2 | HC t3 | HC dt | HC P1 | HC P2 |
|-------------|-------|----------|----------|----------|----------|-------|---------|----------|----------|--------|----------|--------|--------|--------|--------|-------------|-------------|---------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 23.01.21 | 3 | 3,783 | 0,000 | 70,440 | 64,710 | 0,000 | 5,730 | 73,310 | 65,460 | 0,000 | 7,850 | 97,28 | 47,04 | 47,03 | 50,24 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24.01.21 | 3 | 3,931 | 0,000 | 71,670 | 64,640 | 0,000 | 7,030 | 74,650 | 65,360 | 0,000 | 9,290 | 98,21 | 47,56 | 47,55 | 50,65 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25.01.21 | 3 | 4,376 | 0,000 | 70,500 | 65,130 | 0,000 | 5,370 | 74,040 | 65,930 | 0,000 | 8,110 | 108,76 | 50,27 | 50,20 | 58,49 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26.01.21 | 3 | 5,048 | 0,000 | 72,080 | 67,010 | 0,000 | 5,070 | 76,430 | 67,980 | 0,000 | 8,450 | 120,65 | 54,40 | 54,39 | 66,25 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27.01.21 | 3 | 4,228 | 0,000 | 64,470 | 59,870 | 0,000 | 4,600 | 68,040 | 60,680 | 0,000 | 7,360 | 114,16 | 52,12 | 52,22 | 62,04 | 6,200 | 5,000 | 22,00 | 2,00 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 28.01.21 | 3 | 4,045 | 0,000 | 69,100 | 63,320 | 0,000 | 5,780 | 72,220 | 64,060 | 0,000 | 8,160 | 102,59 | 47,74 | 47,73 | 54,85 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29.01.21 | 3 | 4,120 | 0,000 | 69,740 | 64,060 | 0,000 | 5,680 | 72,970 | 64,780 | 0,000 | 8,190 | 103,95 | 48,52 | 48,52 | 55,43 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30.01.21 | 3 | 4,269 | 0,000 | 70,690 | 64,610 | 0,000 | 6,080 | 74,040 | 65,360 | 0,000 | 8,680 | 105,32 | 48,79 | 48,79 | 56,53 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31.01.21 | 3 | 5,230 | 0,000 | 70,970 | 64,390 | 0,000 | 6,580 | 75,360 | 65,320 | 0,000 | 10,040 | 122,10 | 53,15 | 53,14 | 68,95 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 01.02.21 | 3 | 4,713 | 0,000 | 71,010 | 66,070 | 0,000 | 4,940 | 74,980 | 67,000 | 0,000 | 7,980 | 115,28 | 52,42 | 52,42 | 62,86 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02.02.21 | 3 | 4,314 | 0,000 | 71,940 | 66,730 | 0,000 | 5,210 | 75,380 | 67,490 | 0,000 | 7,890 | 106,49 | 49,90 | 49,88 | 56,59 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03.02.21 | 3 | 3,707 | 0,000 | 73,330 | 67,380 | 0,000 | 5,950 | 76,170 | 68,080 | 0,000 | 8,090 | 94,54 | 47,44 | 47,43 | 47,10 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04.02.21 | 3 | 3,173 | 0,000 | 72,800 | 67,020 | 0,000 | 5,780 | 75,110 | 67,640 | 0,000 | 7,470 | 84,12 | 43,60 | 43,59 | 40,52 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05.02.21 | 3 | 3,483 | 0,000 | 72,990 | 66,920 | 0,000 | 6,070 | 75,590 | 67,660 | 0,000 | 7,930 | 90,13 | 45,84 | 45,82 | 44,29 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06.02.21 | 3 | 3,362 | 0,000 | 71,660 | 65,060 | 0,000 | 6,600 | 74,120 | 65,780 | 0,000 | 8,340 | 88,00 | 44,80 | 44,79 | 43,20 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07.02.21 | 3 | 2,944 | 0,000 | 73,210 | 65,420 | 0,000 | 7,790 | 75,270 | 66,010 | 0,000 | 9,260 | 79,14 | 42,95 | 42,91 | 36,19 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08.02.21 | 3 | 2,416 | 0,000 | 71,530 | 64,540 | 0,000 | 6,990 | 73,160 | 65,030 | 0,000 | 8,130 | 69,94 | 39,52 | 39,51 | 30,42 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09.02.21 | 3 | 2,685 | 0,000 | 71,660 | 64,930 | 0,000 | 6,730 | 73,510 | 65,440 | 0,000 | 8,070 | 75,15 | 41,00 | 41,00 | 34,15 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10.02.21 | 3 | 3,640 | 0,000 | 70,680 | 65,080 | 0,000 | 5,600 | 73,490 | 65,800 | 0,000 | 7,690 | 95,81 | 47,78 | 47,78 | 48,03 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.02.21 | 3 | 3,954 | 0,000 | 71,080 | 65,650 | 0,000 | 5,430 | 74,230 | 66,390 | 0,000 | 7,840 | 101,48 | 49,34 | 49,33 | 52,14 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.02.21 | 3 | 4,151 | 0,000 | 72,700 | 66,650 | 0,000 | 6,050 | 76,010 | 67,400 | 0,000 | 8,610 | 103,44 | 50,22 | 50,21 | 53,22 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.02.21 | 3 | 4,193 | 0,000 | 71,880 | 66,530 | 0,000 | 5,350 | 75,280 | 67,320 | 0,000 | 7,960 | 105,23 | 50,37 | 50,36 | 54,86 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14.02.21 | 3 | 3,979 | 0,000 | 72,880 | 66,540 | 0,000 | 6,340 | 75,970 | 67,270 | 0,000 | 8,700 | 99,36 | 48,68 | 48,67 | 50,68 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15.02.21 | 3 | 3,706 | 0,000 | 71,770 | 65,930 | 0,000 | 5,840 | 74,590 | 66,670 | 0,000 | 7,920 | 95,08 | 46,88 | 46,87 | 48,20 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16.02.21 | 3 | 2,991 | 0,000 | 73,250 | 66,750 | 0,000 | 6,500 | 75,430 | 67,350 | 0,000 | 8,080 | 81,11 | 43,67 | 43,64 | 37,44 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17.02.21 | 3 | 2,743 | 0,000 | 73,570 | 66,330 | 0,000 | 7,240 | 75,460 | 66,840 | 0,000 | 8,620 | 74,67 | 40,89 | 40,90 | 33,78 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18.02.21 | 3 | 3,491 | 0,000 | 71,840 | 65,350 | 0,000 | 6,490 | 74,420 | 66,100 | 0,000 | 8,320 | 90,56 | 45,69 | 45,69 | 44,87 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19.02.21 | 3 | 3,559 | 0,000 | 70,910 | 65,450 | 0,000 | 5,460 | 73,640 | 66,180 | 0,000 | 7,460 | 94,20 | 47,31 | 47,30 | 46,89 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20.02.21 | 3 | 3,688 | 0,000 | 71,470 | 65,120 | 0,000 | 6,350 | 74,260 | 65,860 | 0,000 | 8,400 | 94,74 | 46,89 | 46,89 | 47,85 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21.02.21 | 3 | 3,909 | 0,000 | 71,130 | 65,320 | 0,000 | 5,810 | 74,170 | 66,040 | 0,000 | 8,130 | 99,71 | 48,40 | 48,39 | 51,31 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22.02.21 | 3 | 3,852 | 0,000 | 71,490 | 65,880 | 0,000 | 5,610 | 74,530 | 66,610 | 0,000 | 7,920 | 99,10 | 48,75 | 48,74 | 50,35 | 6,200 | 5,000 | 24,00 | 0,00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Среднее | 3 | 3,796 | 0,000 | 71,434 | 65,432 | 0,000 | 6,002 | 74,382 | 66,158 | 0,000 | 8,224 | 97,11 | 47,48 | 47,47 | 49,62 | 6,200 | 5,000 | 23,94 | 0,06 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Итого | 3 | 117,683 | 0,000 | 2214,440 | 2028,390 | 0,000 | 186,050 | 2305,830 | 2050,890 | 0,000 | 254,940 | 97,11 | 47,48 | 47,47 | 49,62 | 6,200 | 5,000 | 742,00 | 2,00 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| На 23.01.21 | 3 | 333,412 | 0,000 | 7263,850 | 6459,950 | 0,000 | 803,900 | 7504,130 | 6522,390 | 0,000 | 981,740 | 100,04 | 48,20 | 48,19 | 51,84 | 6,200 | 5,000 | 2494,00 | 2,00 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| На 22.02.21 | 3 | 451,095 | 0,000 | 9478,290 | 8488,340 | 0,000 | 989,950 | 9809,960 | 8573,280 | 0,000 | 1236,680 | 99,10 | 48,75 | 48,74 | 50,35 | 6,200 | 5,000 | 3236,00 | 4,00 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Ответственный за учет _____

Отчет принят " ____ " _____ 20__ г. _____ / _____ / _____

Тепловой ввод 2. Схема 9

Активная база данных: 1 Потребитель: Школьная 49
Поставщик:

| Дата | Схема | V1, м3 | V2, м3 | dV, м3 | ВНР, ч | ВОС, ч | НС V1 | НС V2 |
|-------------|-------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| 23.01.21 | 9 | 7,450 | 16,340 | -8,890 | 24,00 | 0,00 | 0 | 0 |
| 24.01.21 | 9 | 8,820 | 17,550 | -8,730 | 24,00 | 0,00 | 0 | 0 |
| 25.01.21 | 9 | 6,980 | 15,450 | -8,470 | 24,00 | 0,00 | 0 | 0 |
| 26.01.21 | 9 | 6,830 | 16,960 | -10,130 | 24,00 | 0,00 | 0 | 0 |
| 27.01.21 | 9 | 6,830 | 15,700 | -8,870 | 24,00 | 0,00 | 0 | 0 |
| 28.01.21 | 9 | 7,280 | 15,950 | -8,670 | 24,00 | 0,00 | 0 | 0 |
| 29.01.21 | 9 | 7,080 | 15,640 | -8,560 | 24,00 | 0,00 | 0 | 0 |
| 30.01.21 | 9 | 7,590 | 17,530 | -9,940 | 24,00 | 0,00 | 0 | 0 |
| 31.01.21 | 9 | 8,390 | 20,020 | -11,630 | 24,00 | 0,00 | 0 | 0 |
| 01.02.21 | 9 | 6,280 | 16,020 | -9,740 | 24,00 | 0,00 | 0 | 0 |
| 02.02.21 | 9 | 6,550 | 14,820 | -8,270 | 24,00 | 0,00 | 0 | 0 |
| 03.02.21 | 9 | 7,200 | 14,580 | -7,380 | 24,00 | 0,00 | 0 | 0 |
| 04.02.21 | 9 | 7,000 | 13,620 | -6,620 | 24,00 | 0,00 | 0 | 0 |
| 05.02.21 | 9 | 7,440 | 14,490 | -7,050 | 24,00 | 0,00 | 0 | 0 |
| 06.02.21 | 9 | 8,000 | 18,200 | -10,200 | 24,00 | 0,00 | 0 | 0 |
| 07.02.21 | 9 | 9,320 | 17,060 | -7,740 | 24,00 | 0,00 | 0 | 0 |
| 08.02.21 | 9 | 8,350 | 14,490 | -6,140 | 24,00 | 0,00 | 0 | 0 |
| 09.02.21 | 9 | 8,120 | 15,250 | -7,130 | 24,00 | 0,00 | 0 | 0 |
| 10.02.21 | 9 | 7,030 | 14,810 | -7,780 | 24,00 | 0,00 | 0 | 0 |
| 11.02.21 | 9 | 6,950 | 15,010 | -8,060 | 24,00 | 0,00 | 0 | 0 |
| 12.02.21 | 9 | 7,670 | 16,440 | -8,770 | 24,00 | 0,00 | 0 | 0 |
| 13.02.21 | 9 | 6,920 | 16,360 | -9,440 | 24,00 | 0,00 | 0 | 0 |
| 14.02.21 | 9 | 7,900 | 16,920 | -9,020 | 24,00 | 0,00 | 0 | 0 |
| 15.02.21 | 9 | 7,220 | 14,820 | -7,600 | 24,00 | 0,00 | 0 | 0 |
| 16.02.21 | 9 | 7,840 | 13,800 | -5,960 | 24,00 | 0,00 | 0 | 0 |
| 17.02.21 | 9 | 8,700 | 14,550 | -5,850 | 24,00 | 0,00 | 0 | 0 |
| 18.02.21 | 9 | 7,940 | 17,380 | -9,440 | 24,00 | 0,00 | 0 | 0 |
| 19.02.21 | 9 | 6,870 | 16,810 | -9,940 | 24,00 | 0,00 | 0 | 0 |
| 20.02.21 | 9 | 7,790 | 17,430 | -9,640 | 24,00 | 0,00 | 0 | 0 |
| 21.02.21 | 9 | 7,320 | 16,790 | -9,470 | 24,00 | 0,00 | 0 | 0 |
| 22.02.21 | 9 | 7,120 | 16,210 | -9,090 | 24,00 | 0,00 | 0 | 0 |
| Среднее | 9 | 7,509 | 16,032 | -8,523 | 24,00 | 0,00 | --- | --- |
| Итого | 9 | 232,780 | 497,000 | -264,220 | 744,00 | 0,00 | --- | --- |
| На 23.01.21 | 9 | 948,850 | 1524,440 | -575,590 | 2496,00 | 0,00 | --- | --- |
| На 22.02.21 | 9 | 1181,630 | 2021,440 | -839,810 | 3240,00 | 0,00 | --- | --- |

Ответственный за учет _____

Отчет принят " ____ " _____ 20__ г. _____ / _____ /

Принятые обозначения

Измеряемые параметры

Qo - тепловая энергия полная, Гкал (ГДж, MWh)

Qt - тепловая энергия в трубопроводе 3, соответствующая Mg, Гкал (ГДж, MWh)

Mi - масса воды в i-ом трубопроводе, т

Mg - масса воды, отобранной из системы (разность значений M1-M2), т

Gi - объемный расход в i-ом трубопроводе, м³/ч

ti - температура теплоносителя в i-ом трубопроводе, °C

dt - разность температур теплоносителя, °C

Pi - давление теплоносителя в i-ом трубопроводе, кгс/см² (МПа, bar)

tv - температура воздуха, °C

txв - температура холодной воды, °C

ВНР - время нормальной работы, ч

ВОС - время отсутствия счета, ч