

**Ведомость учета отпуска горячей воды за период  
с 01.01.2019 по 31.12.2019**Потребитель: **МКД ООО "УК "Асбест" ( ООО "Орбита-2004")**Объект: **ул. Челюскинцев, д. 30/1**

|                                                                              |                |          |            |
|------------------------------------------------------------------------------|----------------|----------|------------|
| Система ГВС: двухтрубная.                                                    | Карат-306-2    | 00900616 | 21.01.2021 |
| Расчетная формула тепловой энергии:                                          | Карат-551-32-0 | 32207317 | 26.06.2021 |
| $Q = (G^1 \times (T^1 - T_{хи}) - G^2 \times (T^2 - T_{хи})) / 1000$ , Гкал. | Карат-551-25-0 | 25185416 | 05.05.2010 |
|                                                                              | КТПТР-06       | 1515     | 12.07.2021 |

| Дата       | Температура (°C) |                |      | Масса (т)      |                |        | Теплота (ГКал) |                |                | Время работы, час |         |
|------------|------------------|----------------|------|----------------|----------------|--------|----------------|----------------|----------------|-------------------|---------|
|            | T <sub>1</sub>   | T <sub>2</sub> | ΔT   | G <sub>1</sub> | G <sub>2</sub> | ΔG     | Q <sub>1</sub> | Q <sub>2</sub> | Q <sub>3</sub> | штатное           | нештат. |
| 01.01.2019 | 62,08            | 54,51          | 7,57 | 82,947         | 75,364         | 7,582  | 4,742          | 3,735          | 1,006          | 24,00             | 0,00    |
| 02.01.2019 | 60,83            | 53,62          | 7,21 | 85,662         | 75,270         | 10,392 | 4,789          | 3,664          | 1,125          | 24,00             | 0,00    |
| 03.01.2019 | 58,99            | 52,24          | 6,75 | 85,406         | 75,279         | 10,126 | 4,617          | 3,560          | 1,057          | 24,00             | 0,00    |
| 04.01.2019 | 59,26            | 52,54          | 6,71 | 86,079         | 75,390         | 10,689 | 4,675          | 3,589          | 1,086          | 24,00             | 0,00    |
| 05.01.2019 | 58,88            | 52,22          | 6,66 | 86,083         | 75,372         | 10,711 | 4,645          | 3,563          | 1,082          | 24,00             | 0,00    |
| 06.01.2019 | 58,01            | 51,47          | 6,54 | 86,801         | 75,240         | 11,561 | 4,606          | 3,501          | 1,106          | 24,00             | 0,00    |
| 07.01.2019 | 58,92            | 52,18          | 6,74 | 85,355         | 75,742         | 9,613  | 4,611          | 3,577          | 1,033          | 24,00             | 0,00    |
| 08.01.2019 | 58,53            | 51,85          | 6,68 | 88,021         | 75,437         | 12,584 | 4,716          | 3,539          | 1,177          | 24,00             | 0,00    |
| 09.01.2019 | 58,98            | 52,13          | 6,85 | 85,222         | 75,590         | 9,631  | 4,605          | 3,567          | 1,039          | 24,00             | 0,00    |
| 10.01.2019 | 58,96            | 52,09          | 6,87 | 85,513         | 75,613         | 9,900  | 4,620          | 3,565          | 1,055          | 24,00             | 0,00    |
| 11.01.2019 | 60,31            | 53,15          | 7,16 | 85,320         | 75,184         | 10,135 | 4,729          | 3,623          | 1,106          | 24,00             | 0,00    |
| 12.01.2019 | 61,15            | 53,82          | 7,34 | 86,516         | 75,417         | 11,099 | 4,863          | 3,686          | 1,177          | 24,00             | 0,00    |
| 13.01.2019 | 60,55            | 53,41          | 7,14 | 87,942         | 75,076         | 12,866 | 4,888          | 3,639          | 1,250          | 24,00             | 0,00    |
| 14.01.2019 | 60,50            | 53,37          | 7,13 | 84,951         | 75,304         | 9,647  | 4,722          | 3,647          | 1,075          | 24,00             | 0,00    |
| 15.01.2019 | 61,06            | 53,80          | 7,26 | 84,545         | 75,697         | 8,848  | 4,746          | 3,699          | 1,047          | 24,00             | 0,00    |
| 16.01.2019 | 60,55            | 53,45          | 7,10 | 85,220         | 75,793         | 9,426  | 4,741          | 3,677          | 1,064          | 24,00             | 0,00    |
| 17.01.2019 | 60,88            | 53,70          | 7,18 | 85,473         | 75,973         | 9,500  | 4,783          | 3,704          | 1,079          | 24,00             | 0,00    |
| 18.01.2019 | 60,84            | 53,70          | 7,15 | 85,633         | 75,690         | 9,942  | 4,788          | 3,690          | 1,098          | 24,00             | 0,00    |
| 19.01.2019 | 60,67            | 53,65          | 7,01 | 87,294         | 75,729         | 11,565 | 4,863          | 3,689          | 1,175          | 24,00             | 0,00    |
| 20.01.2019 | 60,04            | 53,24          | 6,79 | 87,530         | 76,362         | 11,168 | 4,821          | 3,688          | 1,133          | 24,00             | 0,00    |
| 21.01.2019 | 60,75            | 53,55          | 7,20 | 83,888         | 74,648         | 9,240  | 4,706          | 3,647          | 1,058          | 24,00             | 0,00    |
| 22.01.2019 | 61,28            | 54,23          | 7,05 | 87,648         | 77,422         | 10,226 | 4,939          | 3,816          | 1,124          | 24,00             | 0,00    |
| 23.01.2019 | 62,15            | 54,83          | 7,32 | 86,768         | 77,018         | 9,750  | 4,968          | 3,842          | 1,126          | 24,00             | 0,00    |
| 24.01.2019 | 64,95            | 56,94          | 8,01 | 87,100         | 77,304         | 9,797  | 5,231          | 4,019          | 1,212          | 24,00             | 0,00    |
| 25.01.2019 | 63,19            | 55,52          | 7,67 | 87,433         | 76,881         | 10,552 | 5,095          | 3,888          | 1,207          | 24,00             | 0,00    |
| 26.01.2019 | 62,99            | 55,37          | 7,62 | 87,857         | 77,048         | 10,809 | 5,101          | 3,885          | 1,216          | 24,00             | 0,00    |
| 27.01.2019 | 64,73            | 56,65          | 8,08 | 89,839         | 77,186         | 12,653 | 5,372          | 3,991          | 1,381          | 24,00             | 0,00    |
| 28.01.2019 | 64,80            | 56,61          | 8,19 | 86,057         | 76,778         | 9,279  | 5,154          | 3,967          | 1,187          | 24,00             | 0,00    |
| 29.01.2019 | 64,95            | 56,70          | 8,24 | 85,821         | 76,424         | 9,397  | 5,151          | 3,956          | 1,195          | 24,00             | 0,00    |
| 30.01.2019 | 62,02            | 54,54          | 7,49 | 87,121         | 76,339         | 10,781 | 4,970          | 3,787          | 1,183          | 24,00             | 0,00    |
| 31.01.2019 | 63,45            | 55,53          | 7,92 | 86,526         | 76,336         | 10,190 | 5,065          | 3,861          | 1,204          | 24,00             | 0,00    |
| 01.02.2019 | 60,11            | 53,08          | 7,03 | 86,886         | 76,788         | 10,098 | 4,787          | 3,698          | 1,088          | 24,00             | 0,00    |
| 02.02.2019 | 63,46            | 55,71          | 7,74 | 87,727         | 76,746         | 10,981 | 5,132          | 3,896          | 1,236          | 24,00             | 0,00    |
| 03.02.2019 | 66,39            | 58,01          | 8,38 | 88,540         | 76,656         | 11,884 | 5,438          | 4,068          | 1,371          | 24,00             | 0,00    |
| 04.02.2019 | 69,39            | 60,25          | 9,14 | 86,163         | 76,356         | 9,807  | 5,554          | 4,223          | 1,331          | 24,00             | 0,00    |
| 05.02.2019 | 71,06            | 61,54          | 9,51 | 85,652         | 76,958         | 8,694  | 5,666          | 4,355          | 1,311          | 24,00             | 0,00    |
| 06.02.2019 | 70,06            | 60,85          | 9,20 | 86,118         | 76,955         | 9,163  | 5,607          | 4,303          | 1,304          | 24,00             | 0,00    |
| 07.02.2019 | 68,44            | 59,64          | 8,80 | 86,364         | 77,152         | 9,212  | 5,484          | 4,221          | 1,264          | 24,00             | 0,00    |
| 08.02.2019 | 66,50            | 58,13          | 8,37 | 85,564         | 76,890         | 8,674  | 5,271          | 4,089          | 1,182          | 24,00             | 0,00    |
| 09.02.2019 | 65,53            | 57,46          | 8,07 | 88,165         | 77,004         | 11,161 | 5,339          | 4,044          | 1,295          | 24,00             | 0,00    |
| 10.02.2019 | 64,62            | 56,91          | 7,70 | 89,252         | 76,905         | 12,347 | 5,323          | 3,997          | 1,327          | 24,00             | 0,00    |
| 11.02.2019 | 62,51            | 55,31          | 7,20 | 87,262         | 76,605         | 10,657 | 5,020          | 3,860          | 1,160          | 24,00             | 0,00    |
| 12.02.2019 | 60,15            | 53,43          | 6,71 | 86,294         | 76,705         | 9,589  | 4,764          | 3,720          | 1,045          | 24,00             | 0,00    |
| 13.02.2019 | 60,23            | 53,52          | 6,71 | 88,155         | 76,551         | 11,604 | 4,874          | 3,719          | 1,155          | 24,00             | 0,00    |
| 14.02.2019 | 60,28            | 53,58          | 6,69 | 86,816         | 76,627         | 10,189 | 4,807          | 3,727          | 1,079          | 24,00             | 0,00    |
| 15.02.2019 | 60,99            | 54,11          | 6,89 | 85,608         | 76,173         | 9,435  | 4,800          | 3,745          | 1,054          | 24,00             | 0,00    |
| 16.02.2019 | 58,95            | 52,50          | 6,45 | 87,583         | 75,694         | 11,889 | 4,719          | 3,601          | 1,117          | 24,00             | 0,00    |
| 17.02.2019 | 60,18            | 53,48          | 6,70 | 88,997         | 76,200         | 12,797 | 4,913          | 3,699          | 1,213          | 24,00             | 0,00    |
| 18.02.2019 | 60,24            | 53,45          | 6,79 | 85,080         | 75,705         | 9,375  | 4,707          | 3,672          | 1,034          | 24,00             | 0,00    |
| 19.02.2019 | 60,23            | 53,43          | 6,80 | 85,079         | 75,649         | 9,430  | 4,705          | 3,668          | 1,037          | 24,00             | 0,00    |
| 20.02.2019 | 60,84            | 53,82          | 7,02 | 85,191         | 75,711         | 9,481  | 4,764          | 3,700          | 1,064          | 24,00             | 0,00    |
| 21.02.2019 | 59,80            | 53,02          | 6,78 | 86,142         | 76,315         | 9,827  | 4,727          | 3,669          | 1,058          | 24,00             | 0,00    |
| 22.02.2019 | 60,62            | 53,74          | 6,88 | 85,303         | 74,659         | 10,644 | 4,756          | 3,647          | 1,110          | 24,00             | 0,00    |
| 23.02.2019 | 60,47            | 53,86          | 6,61 | 87,253         | 75,552         | 11,701 | 4,844          | 3,696          | 1,149          | 24,00             | 0,00    |
| 24.02.2019 | 59,94            | 53,46          | 6,47 | 88,356         | 75,953         | 12,403 | 4,855          | 3,686          | 1,169          | 24,00             | 0,00    |
| 25.02.2019 | 59,77            | 53,30          | 6,47 | 85,357         | 75,437         | 9,919  | 4,681          | 3,648          | 1,033          | 24,00             | 0,00    |
| 26.02.2019 | 59,44            | 52,90          | 6,54 | 84,875         | 75,278         | 9,597  | 4,626          | 3,610          | 1,016          | 24,00             | 0,00    |
| 27.02.2019 | 59,89            | 53,17          | 6,72 | 86,000         | 75,973         | 10,028 | 4,727          | 3,663          | 1,064          | 24,00             | 0,00    |
| 28.02.2019 | 59,96            | 53,30          | 6,65 | 85,390         | 76,224         | 9,166  | 4,698          | 3,686          | 1,012          | 24,00             | 0,00    |
| 01.03.2019 | 60,29            | 53,58          | 6,71 | 85,700         | 76,273         | 9,427  | 4,746          | 3,710          | 1,036          | 24,00             | 0,00    |
| 02.03.2019 | 59,76            | 53,21          | 6,55 | 87,139         | 75,839         | 11,300 | 4,777          | 3,661          | 1,116          | 24,00             | 0,00    |
| 03.03.2019 | 60,10            | 53,51          | 6,60 | 89,631         | 75,841         | 13,790 | 4,938          | 3,684          | 1,254          | 24,00             | 0,00    |
| 04.03.2019 | 59,80            | 53,18          | 6,62 | 85,645         | 76,013         | 9,632  | 4,699          | 3,666          | 1,033          | 24,00             | 0,00    |
| 05.03.2019 | 59,31            | 52,75          | 6,57 | 85,847         | 76,414         | 9,433  | 4,668          | 3,653          | 1,015          | 24,00             | 0,00    |
| 06.03.2019 | 58,76            | 52,23          | 6,54 | 86,559         | 76,099         | 10,460 | 4,660          | 3,598          | 1,062          | 24,00             | 0,00    |
| 07.03.2019 | 58,57            | 52,07          | 6,50 | 85,467         | 75,859         | 9,608  | 4,585          | 3,576          | 1,009          | 24,00             | 0,00    |
| 08.03.2019 | 58,52            | 51,89          | 6,63 | 86,844         | 75,746         | 11,097 | 4,650          | 3,556          | 1,094          | 24,00             | 0,00    |
| 09.03.2019 | 59,09            | 52,38          | 6,70 | 88,314         | 75,268         | 13,047 | 4,782          | 3,571          | 1,212          | 24,00             | 0,00    |
| 10.03.2019 | 58,22            | 51,82          | 6,40 | 89,431         | 75,366         | 14,065 | 4,760          | 3,533          | 1,227          | 24,00             | 0,00    |

| Дата       | Температура (°C) |                |      | Масса (т)      |                |        | Теплота (ГКал) |                |                | Время работы, час |         |
|------------|------------------|----------------|------|----------------|----------------|--------|----------------|----------------|----------------|-------------------|---------|
|            | T <sub>1</sub>   | T <sub>2</sub> | ΔT   | G <sub>1</sub> | G <sub>2</sub> | ΔG     | Q <sub>1</sub> | Q <sub>2</sub> | Q <sub>3</sub> | штатное           | нештат. |
| 11.03.2019 | 58,77            | 52,19          | 6,58 | 85,408         | 75,750         | 9,658  | 4,599          | 3,578          | 1,020          | 24,00             | 0,00    |
| 12.03.2019 | 58,78            | 52,26          | 6,52 | 85,633         | 75,936         | 9,697  | 4,611          | 3,593          | 1,018          | 24,00             | 0,00    |
| 13.03.2019 | 61,18            | 54,08          | 7,10 | 86,098         | 75,974         | 10,124 | 4,846          | 3,732          | 1,114          | 24,00             | 0,00    |
| 14.03.2019 | 62,92            | 55,46          | 7,46 | 84,961         | 76,110         | 8,850  | 4,927          | 3,844          | 1,083          | 24,00             | 0,00    |
| 15.03.2019 | 61,66            | 54,44          | 7,23 | 84,887         | 76,136         | 8,751  | 4,817          | 3,768          | 1,049          | 24,00             | 0,00    |
| 16.03.2019 | 61,74            | 54,47          | 7,28 | 86,094         | 76,167         | 9,927  | 4,891          | 3,772          | 1,119          | 24,00             | 0,00    |
| 17.03.2019 | 62,19            | 54,78          | 7,41 | 89,289         | 75,803         | 13,485 | 5,109          | 3,778          | 1,331          | 24,00             | 0,00    |
| 18.03.2019 | 62,44            | 54,97          | 7,47 | 85,354         | 76,354         | 8,999  | 4,910          | 3,820          | 1,091          | 24,00             | 0,00    |
| 19.03.2019 | 63,13            | 55,59          | 7,54 | 85,594         | 76,502         | 9,092  | 4,983          | 3,874          | 1,108          | 24,00             | 0,00    |
| 20.03.2019 | 62,66            | 55,23          | 7,43 | 85,090         | 76,382         | 8,708  | 4,912          | 3,841          | 1,071          | 24,00             | 0,00    |
| 21.03.2019 | 62,60            | 55,21          | 7,39 | 85,732         | 75,977         | 9,755  | 4,945          | 3,819          | 1,127          | 24,00             | 0,00    |
| 22.03.2019 | 64,36            | 56,53          | 7,82 | 84,851         | 75,948         | 8,903  | 5,050          | 3,917          | 1,133          | 24,00             | 0,00    |
| 23.03.2019 | 72,39            | 62,96          | 9,43 | 85,026         | 76,367         | 8,659  | 5,740          | 4,430          | 1,310          | 24,00             | 0,00    |
| 24.03.2019 | 66,11            | 58,20          | 7,91 | 86,588         | 76,287         | 10,301 | 5,294          | 4,063          | 1,231          | 24,00             | 0,00    |
| 25.03.2019 | 62,62            | 55,45          | 7,17 | 85,790         | 76,245         | 9,545  | 4,950          | 3,851          | 1,099          | 24,00             | 0,00    |
| 26.03.2019 | 60,78            | 53,94          | 6,84 | 85,450         | 76,688         | 8,762  | 4,772          | 3,757          | 1,015          | 24,00             | 0,00    |
| 27.03.2019 | 61,02            | 54,02          | 6,99 | 85,982         | 76,492         | 9,490  | 4,826          | 3,753          | 1,072          | 24,00             | 0,00    |
| 28.03.2019 | 61,46            | 54,38          | 7,09 | 86,780         | 76,214         | 10,566 | 4,908          | 3,767          | 1,141          | 24,00             | 0,00    |
| 29.03.2019 | 61,19            | 54,17          | 7,02 | 85,877         | 75,955         | 9,922  | 4,834          | 3,739          | 1,095          | 24,00             | 0,00    |
| 30.03.2019 | 60,86            | 53,92          | 6,94 | 87,804         | 75,980         | 11,824 | 4,909          | 3,721          | 1,188          | 24,00             | 0,00    |
| 31.03.2019 | 60,92            | 54,02          | 6,90 | 88,478         | 76,362         | 12,116 | 4,954          | 3,748          | 1,206          | 24,00             | 0,00    |
| 01.04.2019 | 61,10            | 54,17          | 6,93 | 86,920         | 77,963         | 8,957  | 4,883          | 3,839          | 1,044          | 24,00             | 0,00    |
| 02.04.2019 | 61,66            | 54,56          | 7,10 | 86,190         | 75,850         | 10,340 | 4,893          | 3,763          | 1,130          | 24,00             | 0,00    |
| 03.04.2019 | 61,71            | 54,60          | 7,11 | 85,172         | 76,354         | 8,818  | 4,837          | 3,791          | 1,046          | 24,00             | 0,00    |
| 04.04.2019 | 61,59            | 54,52          | 7,07 | 86,133         | 76,311         | 9,822  | 4,881          | 3,783          | 1,099          | 24,00             | 0,00    |
| 05.04.2019 | 61,85            | 54,73          | 7,11 | 85,419         | 76,729         | 8,690  | 4,864          | 3,820          | 1,044          | 24,00             | 0,00    |
| 06.04.2019 | 62,09            | 55,06          | 7,03 | 89,882         | 76,351         | 13,531 | 5,137          | 3,826          | 1,311          | 24,00             | 0,00    |
| 07.04.2019 | 61,84            | 54,89          | 6,94 | 89,258         | 77,054         | 12,204 | 5,080          | 3,848          | 1,232          | 24,00             | 0,00    |
| 08.04.2019 | 62,90            | 55,65          | 7,25 | 86,807         | 76,946         | 9,861  | 5,034          | 3,901          | 1,133          | 24,00             | 0,00    |
| 09.04.2019 | 63,63            | 56,23          | 7,40 | 84,617         | 76,466         | 8,151  | 4,968          | 3,921          | 1,046          | 24,00             | 0,00    |
| 10.04.2019 | 62,06            | 55,06          | 7,00 | 85,947         | 76,758         | 9,190  | 4,912          | 3,848          | 1,064          | 24,00             | 0,00    |
| 11.04.2019 | 59,20            | 52,87          | 6,33 | 85,964         | 76,632         | 9,332  | 4,668          | 3,673          | 0,995          | 24,00             | 0,00    |
| 12.04.2019 | 59,50            | 53,17          | 6,33 | 86,423         | 76,782         | 9,640  | 4,718          | 3,703          | 1,015          | 24,00             | 0,00    |
| 13.04.2019 | 60,33            | 53,80          | 6,53 | 87,046         | 76,808         | 10,238 | 4,821          | 3,753          | 1,069          | 24,00             | 0,00    |
| 14.04.2019 | 59,67            | 53,18          | 6,49 | 90,210         | 76,961         | 13,249 | 4,939          | 3,712          | 1,227          | 24,00             | 0,00    |
| 15.04.2019 | 60,13            | 53,42          | 6,71 | 86,815         | 76,793         | 10,021 | 4,794          | 3,723          | 1,071          | 24,00             | 0,00    |
| 16.04.2019 | 58,73            | 52,34          | 6,39 | 86,529         | 76,820         | 9,709  | 4,656          | 3,641          | 1,016          | 24,00             | 0,00    |
| 17.04.2019 | 58,31            | 51,74          | 6,57 | 87,822         | 76,505         | 11,317 | 4,692          | 3,579          | 1,112          | 24,00             | 0,00    |
| 18.04.2019 | 60,08            | 53,14          | 6,94 | 86,930         | 76,790         | 10,140 | 4,796          | 3,701          | 1,095          | 24,00             | 0,00    |
| 19.04.2019 | 59,50            | 52,66          | 6,83 | 85,124         | 75,415         | 9,709  | 4,647          | 3,599          | 1,047          | 24,00             | 0,00    |
| 20.04.2019 | 59,95            | 53,07          | 6,88 | 85,389         | 74,850         | 10,538 | 4,698          | 3,602          | 1,096          | 24,00             | 0,00    |
| 21.04.2019 | 58,77            | 52,22          | 6,55 | 88,308         | 74,994         | 13,315 | 4,755          | 3,545          | 1,210          | 24,00             | 0,00    |
| 22.04.2019 | 59,96            | 53,23          | 6,73 | 85,688         | 75,569         | 10,119 | 4,719          | 3,648          | 1,070          | 24,00             | 0,00    |
| 23.04.2019 | 59,61            | 53,07          | 6,54 | 86,848         | 75,597         | 11,251 | 4,749          | 3,639          | 1,110          | 24,00             | 0,00    |
| 24.04.2019 | 59,02            | 52,50          | 6,52 | 83,805         | 74,868         | 8,937  | 4,538          | 3,564          | 0,974          | 24,00             | 0,00    |
| 25.04.2019 | 59,05            | 52,49          | 6,57 | 85,586         | 75,497         | 10,089 | 4,634          | 3,589          | 1,045          | 24,00             | 0,00    |
| 26.04.2019 | 58,16            | 51,83          | 6,33 | 86,306         | 75,418         | 10,888 | 4,594          | 3,537          | 1,057          | 24,00             | 0,00    |
| 27.04.2019 | 58,06            | 51,67          | 6,40 | 87,148         | 75,693         | 11,456 | 4,630          | 3,536          | 1,094          | 24,00             | 0,00    |
| 28.04.2019 | 58,41            | 51,96          | 6,45 | 87,036         | 75,435         | 11,601 | 4,653          | 3,547          | 1,105          | 24,00             | 0,00    |
| 29.04.2019 | 58,31            | 51,68          | 6,62 | 86,153         | 75,131         | 11,022 | 4,601          | 3,512          | 1,090          | 24,00             | 0,00    |
| 30.04.2019 | 59,25            | 52,43          | 6,82 | 85,412         | 75,100         | 10,312 | 4,640          | 3,566          | 1,074          | 24,00             | 0,00    |
| 01.05.2019 | 58,15            | 51,62          | 6,53 | 87,544         | 75,597         | 11,947 | 4,660          | 3,528          | 1,131          | 24,00             | 0,00    |
| 02.05.2019 | 58,76            | 52,20          | 6,55 | 86,517         | 76,159         | 10,358 | 4,657          | 3,599          | 1,058          | 24,00             | 0,00    |
| 03.05.2019 | 58,21            | 51,85          | 6,36 | 87,183         | 75,905         | 11,278 | 4,643          | 3,561          | 1,082          | 24,00             | 0,00    |
| 04.05.2019 | 58,50            | 52,23          | 6,27 | 88,738         | 76,239         | 12,499 | 4,752          | 3,605          | 1,147          | 24,00             | 0,00    |
| 05.05.2019 | 57,12            | 51,33          | 5,79 | 88,100         | 76,372         | 11,728 | 3,713          | 2,778          | 0,935          | 24,00             | 0,00    |
| 06.05.2019 | 60,59            | 53,99          | 6,60 | 85,633         | 75,297         | 10,336 | 3,915          | 2,935          | 0,980          | 24,00             | 0,00    |
| 07.05.2019 | 61,35            | 54,54          | 6,81 | 83,182         | 73,743         | 9,439  | 3,859          | 2,920          | 0,939          | 24,00             | 0,00    |
| 08.05.2019 | 64,34            | 56,89          | 7,46 | 84,185         | 75,312         | 8,873  | 4,166          | 3,158          | 1,008          | 24,00             | 0,00    |
| 09.05.2019 | 66,99            | 59,00          | 7,98 | 85,753         | 77,025         | 8,727  | 4,466          | 3,392          | 1,073          | 24,00             | 0,00    |
| 10.05.2019 | 64,80            | 57,36          | 7,44 | 85,939         | 76,925         | 9,014  | 4,281          | 3,264          | 1,017          | 24,00             | 0,00    |
| 11.05.2019 | 65,41            | 57,80          | 7,61 | 85,612         | 76,749         | 8,862  | 4,326          | 3,287          | 1,039          | 24,00             | 0,00    |
| 12.05.2019 | 68,16            | 59,99          | 8,16 | 87,089         | 77,030         | 10,059 | 4,636          | 3,468          | 1,168          | 24,00             | 0,00    |
| 13.05.2019 | 67,30            | 59,23          | 8,08 | 84,673         | 76,954         | 7,720  | 4,436          | 3,407          | 1,029          | 24,00             | 0,00    |
| 14.05.2019 | 66,29            | 58,29          | 8,00 | 84,666         | 76,199         | 8,468  | 4,345          | 3,303          | 1,042          | 24,00             | 0,00    |
| 15.05.2019 | 62,44            | 55,06          | 7,38 | 85,707         | 76,372         | 9,335  | 4,064          | 3,064          | 1,000          | 24,00             | 0,00    |
| 16.05.2019 | 61,35            | 53,96          | 7,38 | 85,960         | 76,387         | 9,574  | 3,983          | 2,981          | 1,003          | 24,00             | 0,00    |
| 17.05.2019 | 60,48            | 53,31          | 7,17 | 84,869         | 76,328         | 8,540  | 3,863          | 2,928          | 0,935          | 24,00             | 0,00    |
| 18.05.2019 | 60,53            | 53,24          | 7,29 | 86,831         | 76,439         | 10,392 | 3,955          | 2,927          | 1,028          | 24,00             | 0,00    |
| 19.05.2019 | 58,39            | 51,52          | 6,88 | 89,038         | 76,468         | 12,570 | 3,853          | 2,797          | 1,056          | 24,00             | 0,00    |
| 20.05.2019 | 59,17            | 51,91          | 7,26 | 87,242         | 76,506         | 10,736 | 3,858          | 2,826          | 1,032          | 24,00             | 0,00    |
| 21.05.2019 | 59,54            | 52,11          | 7,44 | 86,157         | 76,231         | 9,926  | 3,839          | 2,832          | 1,007          | 24,00             | 0,00    |
| 22.05.2019 | 59,33            | 51,91          | 7,42 | 86,019         | 76,355         | 9,664  | 3,818          | 2,821          | 0,997          | 24,00             | 0,00    |
| 23.05.2019 | 60,23            | 52,65          | 7,57 | 85,993         | 76,441         | 9,552  | 3,894          | 2,882          | 1,012          | 24,00             | 0,00    |
| 24.05.2019 | 61,44            | 53,62          | 7,82 | 85,524         | 75,962         | 9,562  | 3,977          | 2,937          | 1,039          | 24,00             | 0,00    |
| 25.05.2019 | 60,27            | 52,51          | 7,76 | 86,223         | 74,678         | 11,545 | 3,903          | 2,805          | 1,098          | 24,00             | 0,00    |
| 26.05.2019 | 60,50            | 52,78          | 7,72 | 87,383         | 75,360         | 12,023 | 3,977          | 2,851          | 1,126          | 24,00             | 0,00    |
| 27.05.2019 | 61,91            | 53,97          | 7,94 | 85,497         | 75,400         | 10,097 | 4,019          | 2,940          | 1,078          | 24,00             | 0,00    |
| 28.05.2019 | 65,51            | 56,97          | 8,54 | 84,638         | 75,820         | 8,817  | 4,282          | 3,185          | 1,098          | 24,00             | 0,00    |
| 29.05.2019 | 66,44            | 57,82          | 8,62 | 83,667         | 75,929         | 7,739  | 4,309          | 3,255          | 1,054          | 24,00             | 0,00    |
| 30.05.2019 | 66,84            | 58,26          | 8,58 | 84,558         | 75,681         | 8,877  | 4,390          | 3,277          | 1,112          | 24,00             | 0,00    |

| Дата       | Температура (°С) |                |       | Масса (т)      |                |        | Теплота (ГКал) |                |                | Время работы, час |         |
|------------|------------------|----------------|-------|----------------|----------------|--------|----------------|----------------|----------------|-------------------|---------|
|            | T <sub>1</sub>   | T <sub>2</sub> | ΔT    | G <sub>1</sub> | G <sub>2</sub> | ΔG     | Q <sub>1</sub> | Q <sub>2</sub> | Q <sub>3</sub> | штатное           | нештат. |
| 31.05.2019 | 61,76            | 54,52          | 7,23  | 84,414         | 75,379         | 9,035  | 3,947          | 2,986          | 0,961          | 24,00             | 0,00    |
| 01.06.2019 | 62,74            | 55,24          | 7,50  | 85,790         | 75,191         | 10,599 | 4,100          | 3,028          | 1,072          | 24,00             | 0,00    |
| 02.06.2019 | 66,69            | 58,22          | 8,47  | 85,563         | 74,675         | 10,888 | 4,425          | 3,231          | 1,194          | 24,00             | 0,00    |
| 03.06.2019 | 65,03            | 57,08          | 7,95  | 83,754         | 75,753         | 8,001  | 4,190          | 3,192          | 0,998          | 24,00             | 0,00    |
| 04.06.2019 | 62,25            | 54,85          | 7,40  | 84,670         | 75,410         | 9,260  | 4,000          | 3,009          | 0,991          | 24,00             | 0,00    |
| 05.06.2019 | 60,87            | 53,67          | 7,21  | 86,377         | 75,027         | 11,351 | 3,967          | 2,905          | 1,062          | 24,00             | 0,00    |
| 06.06.2019 | 61,55            | 54,05          | 7,51  | 85,609         | 75,569         | 10,040 | 3,991          | 2,954          | 1,037          | 24,00             | 0,00    |
| 07.06.2019 | 63,59            | 55,57          | 8,02  | 85,124         | 75,359         | 9,765  | 4,143          | 3,061          | 1,082          | 24,00             | 0,00    |
| 08.06.2019 | 63,24            | 55,36          | 7,88  | 84,997         | 75,750         | 9,247  | 4,105          | 3,061          | 1,044          | 24,00             | 0,00    |
| 09.06.2019 | 64,21            | 56,21          | 8,00  | 86,126         | 75,662         | 10,464 | 4,242          | 3,121          | 1,120          | 24,00             | 0,00    |
| 10.06.2019 | 64,39            | 56,49          | 7,90  | 84,546         | 75,475         | 9,070  | 4,181          | 3,135          | 1,046          | 24,00             | 0,00    |
| 11.06.2019 | 65,41            | 57,41          | 8,01  | 84,430         | 74,983         | 9,447  | 4,262          | 3,183          | 1,079          | 24,00             | 0,00    |
| 12.06.2019 | 65,48            | 57,51          | 7,97  | 84,533         | 75,211         | 9,321  | 4,270          | 3,201          | 1,068          | 24,00             | 0,00    |
| 13.06.2019 | 63,59            | 55,85          | 7,75  | 85,018         | 75,289         | 9,729  | 4,133          | 3,080          | 1,053          | 24,00             | 0,00    |
| 14.06.2019 | 63,40            | 55,55          | 7,85  | 84,349         | 74,466         | 9,883  | 4,087          | 3,023          | 1,064          | 24,00             | 0,00    |
| 15.06.2019 | 64,22            | 56,17          | 8,05  | 84,357         | 74,897         | 9,460  | 4,158          | 3,087          | 1,071          | 24,00             | 0,00    |
| 16.06.2019 | 63,44            | 55,64          | 7,81  | 86,464         | 75,058         | 11,406 | 4,189          | 3,054          | 1,135          | 24,00             | 0,00    |
| 17.06.2019 | 62,09            | 54,51          | 7,58  | 86,220         | 75,185         | 11,034 | 4,066          | 2,974          | 1,092          | 24,00             | 0,00    |
| 18.06.2019 | 63,01            | 55,21          | 7,79  | 85,670         | 75,334         | 10,336 | 4,116          | 3,033          | 1,083          | 24,00             | 0,00    |
| 19.06.2019 | 63,31            | 55,43          | 7,88  | 84,220         | 75,288         | 8,933  | 4,074          | 3,048          | 1,027          | 24,00             | 0,00    |
| 20.06.2019 | 63,28            | 55,59          | 7,69  | 86,009         | 75,293         | 10,717 | 4,157          | 3,060          | 1,098          | 24,00             | 0,00    |
| 21.06.2019 | 62,39            | 54,70          | 7,69  | 81,069         | 70,910         | 10,160 | 3,912          | 2,882          | 1,030          | 24,00             | 0,00    |
| 22.06.2019 | 30,19            | 29,36          | 0,83  | 25,067         | 18,439         | 6,629  | 0,981          | 0,628          | 0,353          | 24,00             | 0,00    |
| 23.06.2019 | 58,74            | 53,23          | 5,51  | 92,682         | 79,103         | 13,579 | 4,066          | 3,025          | 1,040          | 24,00             | 0,00    |
| 24.06.2019 | 63,26            | 56,52          | 6,73  | 87,700         | 78,260         | 9,440  | 4,240          | 3,252          | 0,988          | 24,00             | 0,00    |
| 25.06.2019 | 64,51            | 56,90          | 7,61  | 87,158         | 78,248         | 8,910  | 4,318          | 3,283          | 1,035          | 24,00             | 0,00    |
| 26.06.2019 | 63,00            | 55,61          | 7,39  | 87,758         | 77,692         | 10,066 | 4,214          | 3,159          | 1,055          | 24,00             | 0,00    |
| 27.06.2019 | 64,06            | 56,38          | 7,68  | 87,946         | 77,736         | 10,210 | 4,319          | 3,220          | 1,098          | 24,00             | 0,00    |
| 28.06.2019 | 63,74            | 56,05          | 7,69  | 87,458         | 77,692         | 9,766  | 4,270          | 3,194          | 1,076          | 24,00             | 0,00    |
| 29.06.2019 | 63,04            | 55,52          | 7,53  | 87,080         | 77,795         | 9,285  | 4,172          | 3,163          | 1,010          | 24,00             | 0,00    |
| 30.06.2019 | 61,70            | 54,58          | 7,11  | 89,319         | 77,765         | 11,554 | 4,150          | 3,087          | 1,062          | 24,00             | 0,00    |
| 01.07.2019 | 59,32            | 52,76          | 6,56  | 87,606         | 77,563         | 10,042 | 3,884          | 2,939          | 0,945          | 24,00             | 0,00    |
| 02.07.2019 | 59,68            | 53,03          | 6,65  | 87,777         | 77,565         | 10,212 | 3,917          | 2,958          | 0,959          | 24,00             | 0,00    |
| 03.07.2019 | 52,81            | 47,84          | 4,98  | 62,796         | 53,732         | 9,064  | 2,784          | 2,007          | 0,777          | 24,00             | 0,00    |
| 04.07.2019 | 58,18            | 51,86          | 6,32  | 86,827         | 76,515         | 10,313 | 3,725          | 2,830          | 0,895          | 24,00             | 0,00    |
| 05.07.2019 | 60,76            | 53,72          | 7,05  | 85,043         | 75,896         | 9,147  | 3,901          | 2,938          | 0,963          | 24,00             | 0,00    |
| 06.07.2019 | 65,38            | 57,29          | 8,09  | 84,254         | 75,947         | 8,308  | 4,251          | 3,215          | 1,036          | 24,00             | 0,00    |
| 07.07.2019 | 65,94            | 57,79          | 8,15  | 86,107         | 76,067         | 10,040 | 4,390          | 3,258          | 1,132          | 24,00             | 0,00    |
| 08.07.2019 | 65,20            | 57,23          | 7,97  | 86,458         | 75,952         | 10,506 | 4,343          | 3,211          | 1,132          | 24,00             | 0,00    |
| 09.07.2019 | 35,83            | 34,21          | 1,62  | 35,317         | 31,625         | 3,693  | 1,325          | 1,065          | 0,260          | 24,00             | 0,00    |
| 10.07.2019 | 20,85            | 21,59          | -0,74 | 0,282          | 0,041          | 0,241  | 0,002          | 0,000          | 0,002          | 24,00             | 0,00    |
| 11.07.2019 | 20,51            | 21,07          | -0,56 | 0,122          | 0,065          | 0,057  | 0,001          | 0,000          | 0,000          | 24,00             | 0,00    |
| 12.07.2019 | 19,94            | 20,72          | -0,78 | 0,070          | 0,007          | 0,063  | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 13.07.2019 | 21,08            | 21,37          | -0,29 | 0,021          | 0,167          | -0,146 | 0,000          | 0,001          | -0,001         | 24,00             | 0,00    |
| 14.07.2019 | 20,36            | 22,11          | -1,75 | 0,021          | 0,035          | -0,014 | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 15.07.2019 | 21,49            | 22,37          | -0,87 | 0,016          | 0,034          | -0,018 | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 16.07.2019 | 21,13            | 21,37          | -0,24 | 0,004          | 0,004          | 0,000  | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 17.07.2019 | 20,00            | 20,29          | -0,28 | 0,018          | 0,012          | 0,006  | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 18.07.2019 | 19,64            | 20,03          | -0,38 | 0,000          | 0,017          | -0,017 | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 19.07.2019 | 20,55            | 20,63          | -0,08 | 0,005          | 0,051          | -0,046 | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 20.07.2019 | 20,32            | 21,06          | -0,74 | 0,000          | 0,003          | -0,003 | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 21.07.2019 | 20,24            | 20,88          | -0,63 | 0,001          | 0,046          | -0,045 | 0,000          | 0,000          | 0,000          | 24,00             | 0,00    |
| 22.07.2019 | 18,76            | 20,32          | -1,56 | 1,378          | 0,362          | 1,016  | 0,005          | 0,003          | 0,002          | 24,00             | 0,00    |
| 23.07.2019 | 24,16            | 24,10          | 0,07  | 48,243         | 41,439         | 6,804  | 0,692          | 0,544          | 0,148          | 24,00             | 0,00    |
| 24.07.2019 | 49,73            | 45,44          | 4,29  | 91,735         | 79,176         | 12,559 | 3,219          | 2,413          | 0,806          | 24,00             | 0,00    |
| 25.07.2019 | 63,52            | 56,52          | 7,00  | 88,275         | 78,836         | 9,438  | 4,297          | 3,274          | 1,023          | 24,00             | 0,00    |
| 26.07.2019 | 66,37            | 58,86          | 7,51  | 86,188         | 78,137         | 8,051  | 4,433          | 3,430          | 1,003          | 24,00             | 0,00    |
| 27.07.2019 | 68,91            | 60,86          | 8,05  | 85,260         | 77,397         | 7,863  | 4,604          | 3,554          | 1,050          | 24,00             | 0,00    |
| 28.07.2019 | 68,06            | 60,02          | 8,04  | 86,635         | 77,488         | 9,146  | 4,599          | 3,492          | 1,107          | 24,00             | 0,00    |
| 29.07.2019 | 65,93            | 58,33          | 7,59  | 87,454         | 77,509         | 9,944  | 4,450          | 3,363          | 1,087          | 24,00             | 0,00    |
| 30.07.2019 | 37,58            | 35,66          | 1,93  | 36,993         | 33,350         | 3,642  | 1,419          | 1,147          | 0,272          | 24,00             | 0,00    |
| 31.07.2019 | 20,40            | 21,09          | -0,69 | 0,363          | 0,081          | 0,282  | 0,002          | 0,001          | 0,002          | 24,00             | 0,00    |
| 01.08.2019 | 20,22            | 20,24          | -0,03 | 0,409          | 0,053          | 0,356  | 0,002          | 0,000          | 0,002          | 24,00             | 0,00    |
| 02.08.2019 | 21,46            | 21,06          | 0,40  | 29,349         | 25,185         | 4,164  | 0,358          | 0,284          | 0,075          | 24,00             | 0,00    |
| 03.08.2019 | 48,01            | 43,49          | 4,51  | 92,901         | 78,670         | 14,231 | 3,101          | 2,241          | 0,861          | 24,00             | 0,00    |
| 04.08.2019 | 64,87            | 57,11          | 7,76  | 88,799         | 78,627         | 10,172 | 4,448          | 3,311          | 1,137          | 24,00             | 0,00    |
| 05.08.2019 | 61,39            | 54,62          | 6,77  | 88,943         | 78,792         | 10,151 | 4,112          | 3,130          | 0,981          | 24,00             | 0,00    |
| 06.08.2019 | 60,45            | 53,63          | 6,82  | 86,774         | 76,317         | 10,457 | 3,953          | 2,949          | 1,004          | 24,00             | 0,00    |
| 07.08.2019 | 63,15            | 55,73          | 7,42  | 85,193         | 75,442         | 9,751  | 4,109          | 3,076          | 1,034          | 24,00             | 0,00    |
| 08.08.2019 | 63,97            | 56,36          | 7,61  | 84,305         | 75,826         | 8,479  | 4,135          | 3,139          | 0,996          | 24,00             | 0,00    |
| 09.08.2019 | 64,23            | 56,59          | 7,64  | 85,176         | 75,288         | 9,888  | 4,200          | 3,134          | 1,066          | 24,00             | 0,00    |
| 10.08.2019 | 65,85            | 57,89          | 7,96  | 84,884         | 75,233         | 9,651  | 4,324          | 3,229          | 1,095          | 24,00             | 0,00    |
| 11.08.2019 | 67,86            | 59,67          | 8,18  | 84,846         | 75,040         | 9,806  | 4,492          | 3,355          | 1,137          | 24,00             | 0,00    |
| 12.08.2019 | 66,52            | 58,74          | 7,78  | 83,459         | 75,121         | 8,338  | 4,306          | 3,290          | 1,016          | 24,00             | 0,00    |
| 13.08.2019 | 63,02            | 56,10          | 6,92  | 84,688         | 74,899         | 9,789  | 4,058          | 3,085          | 0,973          | 24,00             | 0,00    |
| 14.08.2019 | 62,11            | 55,31          | 6,80  | 83,695         | 75,146         | 8,549  | 3,948          | 3,032          | 0,916          | 24,00             | 0,00    |
| 15.08.2019 | 64,00            | 56,79          | 7,21  | 84,305         | 75,060         | 9,245  | 4,138          | 3,140          | 0,998          | 24,00             | 0,00    |
| 16.08.2019 | 66,32            | 58,52          | 7,80  | 83,709         | 75,360         | 8,349  | 4,302          | 3,283          | 1,019          | 24,00             | 0,00    |
| 17.08.2019 | 67,70            | 59,50          | 8,20  | 84,727         | 75,113         | 9,614  | 4,470          | 3,346          | 1,123          | 24,00             | 0,00    |
| 18.08.2019 | 68,92            | 60,50          | 8,42  | 85,290         | 75,110         | 10,180 | 4,601          | 3,421          | 1,180          | 24,00             | 0,00    |
| 19.08.2019 | 68,01            | 59,74          | 8,27  | 84,579         | 75,318         | 9,262  | 4,487          | 3,374          | 1,114          | 24,00             | 0,00    |

| Дата       | Температура (°С) |                |      | Масса (т)      |                |        | Теплота (ГКал) |                |                | Время работы, час |         |
|------------|------------------|----------------|------|----------------|----------------|--------|----------------|----------------|----------------|-------------------|---------|
|            | T <sub>1</sub>   | T <sub>2</sub> | ΔT   | G <sub>1</sub> | G <sub>2</sub> | ΔG     | Q <sub>1</sub> | Q <sub>2</sub> | Q <sub>3</sub> | штатное           | нештат. |
| 20.08.2019 | 67,96            | 59,59          | 8,37 | 83,961         | 74,995         | 8,966  | 4,450          | 3,347          | 1,103          | 24,00             | 0,00    |
| 21.08.2019 | 67,56            | 59,30          | 8,27 | 85,081         | 75,371         | 9,710  | 4,477          | 3,342          | 1,135          | 24,00             | 0,00    |
| 22.08.2019 | 68,76            | 60,22          | 8,53 | 85,025         | 75,143         | 9,882  | 4,576          | 3,402          | 1,174          | 24,00             | 0,00    |
| 23.08.2019 | 62,57            | 55,53          | 7,05 | 84,774         | 75,538         | 9,236  | 4,024          | 3,067          | 0,958          | 24,00             | 0,00    |
| 24.08.2019 | 61,38            | 54,40          | 6,98 | 85,589         | 75,189         | 10,400 | 3,976          | 2,965          | 1,011          | 24,00             | 0,00    |
| 25.08.2019 | 64,06            | 56,48          | 7,58 | 86,656         | 75,539         | 11,117 | 4,255          | 3,136          | 1,119          | 24,00             | 0,00    |
| 26.08.2019 | 65,07            | 57,14          | 7,94 | 75,527         | 66,755         | 8,772  | 3,780          | 2,813          | 0,967          | 24,00             | 0,00    |
| 27.08.2019 | 64,15            | 56,30          | 7,85 | 85,538         | 75,638         | 9,900  | 4,206          | 3,127          | 1,079          | 24,00             | 0,00    |
| 28.08.2019 | 63,97            | 56,17          | 7,80 | 88,185         | 75,285         | 12,900 | 4,321          | 3,103          | 1,217          | 24,00             | 0,00    |
| 29.08.2019 | 63,92            | 56,13          | 7,80 | 86,264         | 75,853         | 10,411 | 4,222          | 3,123          | 1,099          | 24,00             | 0,00    |
| 30.08.2019 | 63,56            | 55,73          | 7,83 | 86,282         | 75,631         | 10,651 | 4,192          | 3,084          | 1,107          | 24,00             | 0,00    |
| 31.08.2019 | 61,58            | 53,97          | 7,61 | 85,506         | 74,123         | 11,382 | 3,994          | 2,905          | 1,088          | 24,00             | 0,00    |
| 01.09.2019 | 59,85            | 52,71          | 7,15 | 87,732         | 74,658         | 13,074 | 3,929          | 2,819          | 1,111          | 24,00             | 0,00    |
| 02.09.2019 | 59,24            | 52,05          | 7,19 | 84,461         | 74,147         | 10,314 | 3,740          | 2,751          | 0,988          | 24,00             | 0,00    |
| 03.09.2019 | 59,75            | 52,61          | 7,14 | 86,271         | 73,539         | 12,732 | 3,863          | 2,769          | 1,094          | 24,00             | 0,00    |
| 04.09.2019 | 60,48            | 53,07          | 7,41 | 84,663         | 74,102         | 10,561 | 3,853          | 2,824          | 1,029          | 24,00             | 0,00    |
| 05.09.2019 | 61,06            | 53,43          | 7,62 | 85,321         | 74,133         | 11,188 | 3,933          | 2,852          | 1,081          | 24,00             | 0,00    |
| 06.09.2019 | 61,35            | 53,48          | 7,88 | 85,101         | 74,349         | 10,753 | 3,950          | 2,864          | 1,086          | 24,00             | 0,00    |
| 07.09.2019 | 62,54            | 54,49          | 8,05 | 85,335         | 74,264         | 11,071 | 4,061          | 2,937          | 1,125          | 24,00             | 0,00    |
| 08.09.2019 | 62,17            | 54,28          | 7,89 | 87,361         | 74,262         | 13,098 | 4,113          | 2,921          | 1,192          | 24,00             | 0,00    |
| 09.09.2019 | 61,37            | 53,70          | 7,66 | 85,736         | 74,748         | 10,988 | 3,979          | 2,896          | 1,083          | 24,00             | 0,00    |
| 10.09.2019 | 57,29            | 50,53          | 6,76 | 87,129         | 74,471         | 12,658 | 3,676          | 2,653          | 1,023          | 24,00             | 0,00    |
| 11.09.2019 | 62,67            | 54,46          | 8,21 | 80,719         | 70,498         | 10,220 | 3,882          | 2,806          | 1,076          | 24,00             | 0,00    |
| 12.09.2019 | 60,27            | 52,95          | 7,32 | 87,454         | 74,499         | 12,955 | 3,905          | 2,837          | 1,068          | 24,00             | 0,00    |
| 13.09.2019 | 39,50            | 36,46          | 3,04 | 88,751         | 73,917         | 14,834 | 2,181          | 1,594          | 0,587          | 24,00             | 0,00    |
| 14.09.2019 | 56,96            | 50,24          | 6,72 | 86,355         | 74,668         | 11,687 | 3,631          | 2,634          | 0,997          | 24,00             | 0,00    |
| 15.09.2019 | 62,55            | 54,69          | 7,87 | 87,398         | 74,279         | 13,119 | 5,032          | 3,695          | 1,337          | 24,00             | 0,00    |
| 16.09.2019 | 62,00            | 54,32          | 7,68 | 86,000         | 74,811         | 11,189 | 4,903          | 3,694          | 1,209          | 24,00             | 0,00    |
| 17.09.2019 | 57,75            | 50,96          | 6,80 | 86,224         | 75,232         | 10,992 | 4,547          | 3,463          | 1,085          | 24,00             | 0,00    |
| 18.09.2019 | 56,61            | 50,02          | 6,60 | 87,054         | 74,929         | 12,126 | 4,504          | 3,377          | 1,128          | 24,00             | 0,00    |
| 19.09.2019 | 60,23            | 53,15          | 7,08 | 85,681         | 74,721         | 10,960 | 4,735          | 3,605          | 1,130          | 24,00             | 0,00    |
| 20.09.2019 | 58,20            | 51,64          | 6,56 | 88,465         | 75,905         | 12,560 | 4,716          | 3,543          | 1,173          | 24,00             | 0,00    |
| 21.09.2019 | 59,44            | 52,70          | 6,75 | 88,033         | 76,237         | 11,796 | 4,802          | 3,640          | 1,162          | 24,00             | 0,00    |
| 22.09.2019 | 57,86            | 51,52          | 6,34 | 90,718         | 76,030         | 14,688 | 4,798          | 3,542          | 1,256          | 24,00             | 0,00    |
| 23.09.2019 | 59,96            | 53,07          | 6,89 | 87,917         | 76,306         | 11,612 | 4,838          | 3,673          | 1,165          | 24,00             | 0,00    |
| 24.09.2019 | 59,44            | 52,68          | 6,76 | 87,793         | 76,018         | 11,775 | 4,784          | 3,629          | 1,155          | 24,00             | 0,00    |
| 25.09.2019 | 60,37            | 53,36          | 7,01 | 88,222         | 76,264         | 11,958 | 4,897          | 3,692          | 1,205          | 24,00             | 0,00    |
| 26.09.2019 | 47,67            | 43,51          | 4,15 | 86,739         | 76,306         | 10,433 | 3,686          | 2,955          | 0,731          | 24,00             | 0,00    |
| 27.09.2019 | 51,91            | 46,35          | 5,56 | 89,253         | 76,108         | 13,145 | 4,228          | 3,145          | 1,084          | 24,00             | 0,00    |
| 28.09.2019 | 58,17            | 51,59          | 6,58 | 90,198         | 76,367         | 13,831 | 4,801          | 3,562          | 1,240          | 24,00             | 0,00    |
| 29.09.2019 | 57,87            | 51,40          | 6,46 | 92,130         | 75,814         | 16,316 | 4,870          | 3,523          | 1,347          | 24,00             | 0,00    |
| 30.09.2019 | 59,16            | 52,42          | 6,74 | 88,690         | 76,304         | 12,386 | 4,810          | 3,623          | 1,187          | 24,00             | 0,00    |
| 01.10.2019 | 58,88            | 52,30          | 6,58 | 88,431         | 76,446         | 11,985 | 4,771          | 3,620          | 1,150          | 24,00             | 0,00    |
| 02.10.2019 | 59,18            | 52,56          | 6,62 | 87,505         | 76,323         | 11,182 | 4,747          | 3,634          | 1,113          | 24,00             | 0,00    |
| 03.10.2019 | 59,56            | 52,96          | 6,59 | 87,712         | 76,476         | 11,236 | 4,791          | 3,672          | 1,119          | 24,00             | 0,00    |
| 04.10.2019 | 60,25            | 53,59          | 6,66 | 87,331         | 76,295         | 11,036 | 4,831          | 3,711          | 1,120          | 24,00             | 0,00    |
| 05.10.2019 | 59,81            | 53,32          | 6,49 | 87,144         | 75,897         | 11,246 | 4,779          | 3,672          | 1,107          | 24,00             | 0,00    |
| 06.10.2019 | 59,39            | 53,08          | 6,31 | 89,409         | 76,067         | 13,342 | 4,867          | 3,661          | 1,206          | 24,00             | 0,00    |
| 07.10.2019 | 59,22            | 52,89          | 6,33 | 87,261         | 76,451         | 10,809 | 4,736          | 3,666          | 1,070          | 24,00             | 0,00    |
| 08.10.2019 | 59,30            | 52,99          | 6,31 | 87,878         | 76,360         | 11,518 | 4,778          | 3,669          | 1,109          | 24,00             | 0,00    |
| 09.10.2019 | 59,03            | 52,75          | 6,28 | 87,688         | 76,489         | 11,199 | 4,740          | 3,656          | 1,084          | 24,00             | 0,00    |
| 10.10.2019 | 58,79            | 52,44          | 6,35 | 87,749         | 76,651         | 11,097 | 4,726          | 3,640          | 1,086          | 24,00             | 0,00    |
| 11.10.2019 | 59,36            | 52,82          | 6,54 | 87,663         | 76,736         | 10,926 | 4,773          | 3,673          | 1,100          | 24,00             | 0,00    |
| 12.10.2019 | 60,17            | 53,53          | 6,64 | 88,310         | 76,543         | 11,767 | 4,877          | 3,719          | 1,157          | 24,00             | 0,00    |
| 13.10.2019 | 60,11            | 53,62          | 6,49 | 91,328         | 77,215         | 14,113 | 5,034          | 3,759          | 1,275          | 24,00             | 0,00    |
| 14.10.2019 | 60,12            | 53,47          | 6,65 | 86,202         | 75,639         | 10,563 | 4,758          | 3,671          | 1,087          | 24,00             | 0,00    |
| 15.10.2019 | 60,05            | 53,37          | 6,68 | 83,652         | 73,487         | 10,165 | 4,643          | 3,575          | 1,068          | 24,00             | 0,00    |
| 16.10.2019 | 60,31            | 53,51          | 6,81 | 87,005         | 75,608         | 11,397 | 4,821          | 3,672          | 1,149          | 24,00             | 0,00    |
| 17.10.2019 | 59,85            | 53,09          | 6,76 | 87,385         | 75,114         | 12,272 | 4,792          | 3,618          | 1,174          | 24,00             | 0,00    |
| 18.10.2019 | 59,30            | 52,63          | 6,67 | 86,253         | 74,985         | 11,268 | 4,691          | 3,576          | 1,115          | 24,00             | 0,00    |
| 19.10.2019 | 59,89            | 53,03          | 6,87 | 87,786         | 75,238         | 12,548 | 4,824          | 3,618          | 1,206          | 24,00             | 0,00    |
| 20.10.2019 | 59,63            | 52,75          | 6,88 | 87,951         | 75,224         | 12,727 | 4,808          | 3,596          | 1,212          | 24,00             | 0,00    |
| 21.10.2019 | 59,96            | 53,05          | 6,91 | 87,171         | 75,191         | 11,980 | 4,797          | 3,617          | 1,180          | 24,00             | 0,00    |
| 22.10.2019 | 60,19            | 53,34          | 6,85 | 87,150         | 75,328         | 11,822 | 4,816          | 3,646          | 1,170          | 24,00             | 0,00    |
| 23.10.2019 | 59,30            | 52,67          | 6,62 | 88,808         | 75,535         | 13,273 | 4,825          | 3,606          | 1,219          | 24,00             | 0,00    |
| 24.10.2019 | 60,28            | 53,48          | 6,81 | 87,080         | 75,622         | 11,458 | 4,822          | 3,669          | 1,153          | 24,00             | 0,00    |
| 25.10.2019 | 60,53            | 53,70          | 6,82 | 87,444         | 75,169         | 12,275 | 4,863          | 3,665          | 1,198          | 24,00             | 0,00    |
| 26.10.2019 | 60,75            | 53,99          | 6,76 | 88,270         | 75,887         | 12,383 | 4,927          | 3,722          | 1,205          | 24,00             | 0,00    |
| 27.10.2019 | 60,30            | 53,78          | 6,52 | 91,019         | 76,082         | 14,937 | 5,035          | 3,716          | 1,318          | 24,00             | 0,00    |
| 28.10.2019 | 60,77            | 54,04          | 6,73 | 86,704         | 75,897         | 10,807 | 4,842          | 3,726          | 1,116          | 24,00             | 0,00    |
| 29.10.2019 | 60,87            | 54,18          | 6,69 | 88,787         | 77,059         | 11,727 | 4,968          | 3,794          | 1,174          | 24,00             | 0,00    |
| 30.10.2019 | 59,86            | 53,17          | 6,70 | 87,732         | 75,985         | 11,746 | 4,820          | 3,664          | 1,156          | 24,00             | 0,00    |
| 31.10.2019 | 59,67            | 52,93          | 6,74 | 87,130         | 76,185         | 10,945 | 4,770          | 3,657          | 1,113          | 24,00             | 0,00    |
| 01.11.2019 | 58,80            | 52,12          | 6,69 | 86,709         | 76,254         | 10,455 | 4,673          | 3,598          | 1,076          | 24,00             | 0,00    |
| 02.11.2019 | 59,11            | 52,30          | 6,81 | 88,616         | 76,311         | 12,305 | 4,799          | 3,614          | 1,185          | 24,00             | 0,00    |
| 03.11.2019 | 59,55            | 52,65          | 6,89 | 88,471         | 76,307         | 12,164 | 4,831          | 3,641          | 1,191          | 24,00             | 0,00    |
| 04.11.2019 | 59,51            | 52,64          | 6,87 | 89,658         | 76,236         | 13,422 | 4,888          | 3,637          | 1,252          | 24,00             | 0,00    |
| 05.11.2019 | 59,85            | 52,92          | 6,93 | 86,661         | 75,860         | 10,801 | 4,761          | 3,639          | 1,122          | 24,00             | 0,00    |
| 06.11.2019 | 60,69            | 53,76          | 6,93 | 87,201         | 76,519         | 10,682 | 4,863          | 3,736          | 1,127          | 24,00             | 0,00    |
| 07.11.2019 | 61,30            | 54,34          | 6,96 | 87,249         | 76,247         | 11,002 | 4,918          | 3,766          | 1,152          | 24,00             | 0,00    |
| 08.11.2019 | 61,39            | 54,43          | 6,96 | 87,316         | 76,317         | 11,000 | 4,930          | 3,777          | 1,153          | 24,00             | 0,00    |

| Дата       | Температура (°C) |                |       | Масса (т)      |                |        | Теплота (ГКал) |                |                | Время работы, час |         |
|------------|------------------|----------------|-------|----------------|----------------|--------|----------------|----------------|----------------|-------------------|---------|
|            | T <sub>1</sub>   | T <sub>2</sub> | ΔT    | G <sub>1</sub> | G <sub>2</sub> | ΔG     | Q <sub>1</sub> | Q <sub>2</sub> | Q <sub>3</sub> | штатное           | нештат. |
| 09.11.2019 | 59,87            | 53,11          | 6,75  | 89,217         | 76,428         | 12,789 | 4,899          | 3,682          | 1,217          | 24,00             | 0,00    |
| 10.11.2019 | 58,83            | 52,18          | 6,65  | 89,979         | 76,225         | 13,753 | 4,847          | 3,601          | 1,246          | 24,00             | 0,00    |
| 11.11.2019 | 59,10            | 52,28          | 6,82  | 86,814         | 76,071         | 10,743 | 4,703          | 3,601          | 1,101          | 24,00             | 0,00    |
| 12.11.2019 | 59,73            | 52,91          | 6,82  | 87,008         | 76,324         | 10,684 | 4,768          | 3,661          | 1,107          | 24,00             | 0,00    |
| 13.11.2019 | 60,01            | 53,13          | 6,88  | 87,525         | 76,406         | 11,119 | 4,822          | 3,682          | 1,140          | 24,00             | 0,00    |
| 14.11.2019 | 60,16            | 53,15          | 7,01  | 88,389         | 76,765         | 11,623 | 4,883          | 3,701          | 1,183          | 24,00             | 0,00    |
| 15.11.2019 | 59,95            | 52,94          | 7,01  | 87,372         | 76,260         | 11,112 | 4,809          | 3,660          | 1,149          | 24,00             | 0,00    |
| 16.11.2019 | 59,18            | 52,47          | 6,70  | 89,008         | 76,556         | 12,452 | 4,828          | 3,639          | 1,189          | 24,00             | 0,00    |
| 17.11.2019 | 59,05            | 52,48          | 6,57  | 90,989         | 76,309         | 14,680 | 4,921          | 3,628          | 1,293          | 24,00             | 0,00    |
| 18.11.2019 | 61,39            | 54,17          | 7,22  | 86,845         | 76,458         | 10,386 | 4,908          | 3,764          | 1,144          | 24,00             | 0,00    |
| 19.11.2019 | 66,46            | 57,70          | 8,76  | 86,561         | 76,011         | 10,550 | 5,340          | 4,010          | 1,329          | 24,00             | 0,00    |
| 20.11.2019 | 68,83            | 59,61          | 9,22  | 87,338         | 76,801         | 10,536 | 5,581          | 4,199          | 1,382          | 24,00             | 0,00    |
| 21.11.2019 | 65,03            | 56,70          | 8,33  | 86,473         | 77,095         | 9,377  | 5,195          | 3,991          | 1,203          | 24,00             | 0,00    |
| 22.11.2019 | 60,88            | 53,55          | 7,33  | 86,543         | 77,027         | 9,516  | 4,841          | 3,744          | 1,096          | 24,00             | 0,00    |
| 23.11.2019 | 59,24            | 52,39          | 6,84  | 89,489         | 76,996         | 12,493 | 4,860          | 3,653          | 1,207          | 24,00             | 0,00    |
| 24.11.2019 | 59,48            | 52,64          | 6,85  | 91,497         | 76,823         | 14,673 | 4,992          | 3,664          | 1,328          | 24,00             | 0,00    |
| 25.11.2019 | 60,05            | 53,09          | 6,95  | 86,987         | 76,652         | 10,335 | 4,796          | 3,690          | 1,106          | 24,00             | 0,00    |
| 26.11.2019 | 60,57            | 53,65          | 6,92  | 87,411         | 76,953         | 10,457 | 4,864          | 3,748          | 1,117          | 24,00             | 0,00    |
| 27.11.2019 | 60,86            | 53,93          | 6,94  | 87,246         | 77,166         | 10,080 | 4,881          | 3,780          | 1,101          | 24,00             | 0,00    |
| 28.11.2019 | 61,13            | 54,16          | 6,97  | 87,537         | 77,216         | 10,321 | 4,921          | 3,800          | 1,121          | 24,00             | 0,00    |
| 29.11.2019 | 61,81            | 54,73          | 7,07  | 87,290         | 76,868         | 10,422 | 4,967          | 3,827          | 1,139          | 24,00             | 0,00    |
| 30.11.2019 | 61,50            | 54,56          | 6,94  | 89,524         | 77,020         | 12,503 | 5,063          | 3,821          | 1,242          | 24,00             | 0,00    |
| 01.12.2019 | 60,40            | 53,81          | 6,59  | 92,897         | 76,646         | 16,251 | 5,151          | 3,745          | 1,406          | 24,00             | 0,00    |
| 02.12.2019 | 61,16            | 54,23          | 6,93  | 89,035         | 77,231         | 11,803 | 5,008          | 3,806          | 1,202          | 24,00             | 0,00    |
| 03.12.2019 | 60,67            | 53,84          | 6,82  | 86,906         | 77,589         | 9,318  | 4,843          | 3,794          | 1,049          | 24,00             | 0,00    |
| 04.12.2019 | 61,29            | 54,26          | 7,04  | 86,886         | 77,289         | 9,596  | 4,898          | 3,811          | 1,087          | 24,00             | 0,00    |
| 05.12.2019 | 60,95            | 54,04          | 6,91  | 86,790         | 77,420         | 9,370  | 4,863          | 3,801          | 1,062          | 24,00             | 0,00    |
| 06.12.2019 | 60,86            | 53,98          | 6,88  | 87,726         | 77,516         | 10,210 | 4,908          | 3,800          | 1,107          | 24,00             | 0,00    |
| 07.12.2019 | 60,53            | 53,84          | 6,69  | 88,506         | 77,322         | 11,184 | 4,920          | 3,781          | 1,139          | 24,00             | 0,00    |
| 08.12.2019 | 61,10            | 54,37          | 6,74  | 90,968         | 77,262         | 13,706 | 5,110          | 3,818          | 1,291          | 24,00             | 0,00    |
| 09.12.2019 | 61,37            | 54,33          | 7,04  | 83,692         | 74,892         | 8,801  | 4,729          | 3,709          | 1,020          | 24,00             | 0,00    |
| 10.12.2019 | 61,05            | 54,30          | 6,74  | 86,654         | 75,512         | 11,141 | 4,860          | 3,728          | 1,133          | 24,00             | 0,00    |
| 11.12.2019 | 60,56            | 53,82          | 6,75  | 84,873         | 74,562         | 10,311 | 4,731          | 3,655          | 1,076          | 24,00             | 0,00    |
| 12.12.2019 | 61,70            | 54,92          | 6,78  | 86,987         | 76,905         | 10,082 | 4,938          | 3,844          | 1,094          | 24,00             | 0,00    |
| 13.12.2019 | 60,52            | 53,67          | 6,85  | 83,350         | 73,877         | 9,473  | 4,645          | 3,615          | 1,029          | 24,00             | 0,00    |
| 14.12.2019 | 61,07            | 54,25          | 6,81  | 87,685         | 76,076         | 11,609 | 4,923          | 3,751          | 1,172          | 24,00             | 0,00    |
| 15.12.2019 | 61,14            | 54,30          | 6,84  | 90,870         | 75,993         | 14,878 | 5,105          | 3,751          | 1,354          | 24,00             | 0,00    |
| 16.12.2019 | 60,27            | 53,57          | 6,70  | 86,992         | 76,826         | 10,166 | 4,815          | 3,736          | 1,079          | 24,00             | 0,00    |
| 17.12.2019 | 60,35            | 53,59          | 6,77  | 86,993         | 76,546         | 10,447 | 4,821          | 3,724          | 1,098          | 24,00             | 0,00    |
| 18.12.2019 | 60,54            | 53,76          | 6,78  | 88,221         | 76,095         | 12,126 | 4,906          | 3,715          | 1,191          | 24,00             | 0,00    |
| 19.12.2019 | 61,15            | 54,24          | 6,91  | 86,341         | 76,140         | 10,202 | 4,855          | 3,754          | 1,101          | 24,00             | 0,00    |
| 20.12.2019 | 60,50            | 53,78          | 6,72  | 85,949         | 76,598         | 9,351  | 4,776          | 3,741          | 1,036          | 24,00             | 0,00    |
| 21.12.2019 | 61,19            | 54,20          | 7,00  | 88,079         | 76,435         | 11,645 | 4,955          | 3,765          | 1,191          | 24,00             | 0,00    |
| 22.12.2019 | 61,34            | 54,30          | 7,04  | 88,695         | 76,769         | 11,926 | 5,001          | 3,789          | 1,213          | 24,00             | 0,00    |
| 23.12.2019 | 60,76            | 53,84          | 6,92  | 87,496         | 76,814         | 10,682 | 4,886          | 3,756          | 1,130          | 24,00             | 0,00    |
| 24.12.2019 | 60,56            | 53,72          | 6,84  | 87,211         | 76,833         | 10,378 | 4,852          | 3,747          | 1,105          | 24,00             | 0,00    |
| 25.12.2019 | 61,06            | 54,19          | 6,86  | 87,707         | 76,721         | 10,986 | 4,926          | 3,777          | 1,149          | 24,00             | 0,00    |
| 26.12.2019 | 62,82            | 55,58          | 7,25  | 88,161         | 77,077         | 11,083 | 5,104          | 3,903          | 1,202          | 24,00             | 0,00    |
| 27.12.2019 | 63,26            | 55,87          | 7,38  | 87,816         | 77,314         | 10,502 | 5,123          | 3,938          | 1,185          | 24,00             | 0,00    |
| 28.12.2019 | 62,77            | 55,32          | 7,45  | 86,767         | 75,213         | 11,554 | 5,022          | 3,796          | 1,226          | 24,00             | 0,00    |
| 29.12.2019 | 63,83            | 56,09          | 7,75  | 87,968         | 75,889         | 12,079 | 5,181          | 3,881          | 1,300          | 24,00             | 0,00    |
| 30.12.2019 | 67,78            | 55,51          | 12,27 | 72,762         | 60,542         | 12,220 | 4,598          | 3,296          | 1,302          | 24,00             | 0,00    |
| 31.12.2019 | 65,41            | 47,82          | 17,59 | 55,491         | 38,580         | 16,911 | 3,341          | 2,005          | 1,336          | 24,00             | 0,00    |

|       |       |       |      |           |           |          |              |              |         |         |      |
|-------|-------|-------|------|-----------|-----------|----------|--------------|--------------|---------|---------|------|
| Итого | 59,28 | 52,51 | 6,77 | 30011,492 | 26297,689 | 3713,804 | 1592,00<br>9 | 1208,13<br>1 | 383,878 | 8760,00 | 0,00 |
|-------|-------|-------|------|-----------|-----------|----------|--------------|--------------|---------|---------|------|

Место для записи представителя PCO

Ответственный за учет тепловой энергии:

**Пинигин А.В.**  
т. (34365) 3-51-81

Представитель обслуживающей организации: