

**Ведомость учета среднечасового отпуска тепловой энергии в системе отопления**  
за период с 23.09.20 г. по 22.10.20 г.

: 16 1-2

16 1-2 ,

: -9.2.1

: 00002721

1

1.3

T = 5,00 °C  
 = G max= 45,00 3/ G min= 0,18 3/ = 10 /  
 = G max= 45,00 3/ G min= 0,18 3/ = 10 /  
 = G max= 0,00 3/ G min= 0,00 3/ = 10000 /

	Q <sub>г</sub>	Q <sub>д</sub>	M, V, 3									°C							T	T /	E
							+dM	-dM	dV	/		t1	t2	dt=t1-t2	t3( )	P1	P2	P3( )			
			M1	V1	M2	V2				M3( )	V3( )										
23.09.20	1.61	0.00	174.06	176.96	169.34	171.47	4.72		5.49	0.00	0.00	59.72	51.73	7.99	65.00	0.37	0.33	0.46	24.00	0.00	E
24.09.20	1.55	0.00	147.28	149.70	142.60	144.29	4.68		5.41	0.00	0.00	59.35	50.23	9.12	65.00	0.37	0.33	0.46	24.00	0.00	E
25.09.20	1.48	0.00	115.98	117.88	112.09	113.29	3.90		4.59	0.00	0.00	59.14	47.85	11.29	65.00	0.38	0.32	0.46	24.00	0.00	E
26.09.20	1.49	0.00	113.63	115.50	109.75	110.92	3.88		4.58	0.00	0.00	59.31	47.63	11.68	65.00	0.38	0.32	0.46	24.00	0.00	E
27.09.20	1.47	0.00	111.25	112.98	106.66	107.72	4.59		5.26	0.00	0.00	57.64	46.16	11.48	65.00	0.37	0.32	0.46	24.00	0.00	E
28.09.20	1.48	0.00	113.54	115.37	109.82	110.96	3.72		4.41	0.00	0.00	58.78	47.13	11.65	65.00	0.37	0.32	0.46	24.00	0.00	E
29.09.20	1.51	0.00	114.26	116.11	110.41	111.55	3.85		4.56	0.00	0.00	58.83	47.04	11.79	65.00	0.37	0.32	0.46	24.00	0.00	E
30.09.20	1.52	0.00	115.55	117.39	111.65	112.79	3.89		4.60	0.00	0.00	58.38	46.62	11.76	65.00	0.37	0.32	0.46	24.00	0.00	E
01.10.20	1.60	0.00	112.36	114.27	108.47	109.62	3.88		4.65	0.00	0.00	60.32	47.51	12.81	65.00	0.36	0.32	0.46	24.00	0.00	E
02.10.20	1.66	0.00	109.34	111.29	105.20	106.35	4.14		4.94	0.00	0.00	61.84	48.34	13.50	65.00	0.36	0.31	0.46	24.00	0.00	E
03.10.20	1.65	0.00	109.58	111.56	105.60	106.77	3.98		4.79	0.00	0.00	62.18	48.69	13.49	65.00	0.36	0.32	0.46	24.00	0.00	E
04.10.20	1.68	0.00	110.17	112.16	105.26	106.44	4.91		5.72	0.00	0.00	62.16	48.84	13.32	65.00	0.36	0.32	0.46	24.00	0.00	E
05.10.20	1.62	0.00	110.14	112.13	106.39	107.59	3.75		4.54	0.00	0.00	62.23	49.04	13.19	65.00	0.36	0.32	0.46	24.00	0.00	E
06.10.20	1.64	0.00	109.61	111.58	105.81	106.98	3.80		4.60	0.00	0.00	62.01	48.58	13.43	65.00	0.36	0.32	0.46	24.00	0.00	E
07.10.20	1.65	0.00	108.31	110.27	104.70	105.85	3.61		4.42	0.00	0.00	62.20	48.43	13.77	65.00	0.36	0.32	0.46	24.00	0.00	E
08.10.20	1.63	0.00	105.39	107.27	101.65	102.74	3.74		4.53	0.00	0.00	61.87	47.91	13.96	65.00	0.35	0.31	0.46	24.00	0.00	E
09.10.20	1.64	0.00	108.09	110.00	104.31	105.43	3.78		4.57	0.00	0.00	61.58	47.90	13.68	65.00	0.36	0.32	0.46	24.00	0.00	E
10.10.20	1.70	0.00	112.63	114.63	107.42	108.61	5.21		6.02	0.00	0.00	61.76	48.68	13.08	65.00	0.37	0.32	0.46	24.00	0.00	E
11.10.20	1.63	0.00	111.91	113.89	107.66	108.85	4.25		5.04	0.00	0.00	61.53	48.60	12.93	65.00	0.37	0.32	0.46	24.00	0.00	E
12.10.20	1.60	0.00	110.79	112.74	106.90	108.07	3.90		4.67	0.00	0.00	61.35	48.45	12.90	65.00	0.37	0.32	0.46	24.00	0.00	E
13.10.20	1.58	0.00	110.25	112.21	106.53	107.72	3.72		4.49	0.00	0.00	61.74	48.87	12.87	65.00	0.37	0.32	0.46	24.00	0.00	E
14.10.20	1.58	0.00	109.64	111.59	106.08	107.26	3.56		4.33	0.00	0.00	61.72	48.78	12.94	65.00	0.37	0.33	0.46	24.00	0.00	E
15.10.20	1.60	0.00	110.13	112.09	106.05	107.23	4.09		4.86	0.00	0.00	61.69	48.83	12.86	65.00	0.37	0.33	0.46	24.00	0.00	E
16.10.20	1.59	0.59	109.19	111.14	105.34	106.51	3.86		4.63	9.81	10.00	61.85	48.83	13.02	65.00	0.37	0.33	0.46	24.00	0.00	5,E
17.10.20	1.61	0.00	110.68	112.68	106.63	107.84	4.06		4.84	0.00	0.00	62.21	49.32	12.89	65.00	0.37	0.33	0.46	24.00	0.00	E
18.10.20	1.57	0.00	111.35	113.35	106.75	107.99	4.60		5.36	0.00	0.00	62.06	49.79	12.27	65.00	0.37	0.33	0.46	24.00	0.00	E
19.10.20	1.52	0.00	109.93	111.89	106.80	108.01	3.13		3.88	0.00	0.00	61.75	49.18	12.57	65.00	0.37	0.33	0.46	24.00	0.00	E
20.10.20	1.58	0.00	110.68	112.65	106.64	107.85	4.03		4.80	0.00	0.00	61.82	49.18	12.64	65.00	0.37	0.32	0.46	24.00	0.00	E
21.10.20	1.53	0.00	110.89	112.88	107.53	108.77	3.35		4.11	0.00	0.00	62.09	49.62	12.47	65.00	0.37	0.33	0.46	24.00	0.00	E
22.10.20	1.55	0.00	111.64	113.65	107.89	109.14	3.75		4.51	0.00	0.00	62.08	49.72	12.36	65.00	0.37	0.33	0.46	24.00	0.00	E
	47.53	0.59	3428.26	3487.82	3307.93	3344.62	120.33	0.00	143.20	9.81	10.00								720.00	0.00	

$$T = \quad + \max + T_{min} + T_{dt} + T$$

$$720.00 = 720.00 + 0.00 + 0.00 + 0.00 + 0.00$$

	24-00	24-00	
	<b>234.73</b>	<b>282.27</b>	<b>47.53</b>
	<b>18.84</b>	<b>19.43</b>	<b>0.59</b>
	<b>18606.03</b>	<b>22034.29</b>	<b>3428.26</b>
	<b>17610.34</b>	<b>20918.27</b>	<b>3307.93</b>
( )	<b>313.85</b>	<b>323.66</b>	<b>9.81</b>
	<b>5842.40</b>	<b>6562.40</b>	<b>720.00</b>
max + T <sub>min</sub> + T <sub>dt</sub> + T	77.58	77.58	0.00

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**Ведомость учета среднечасового отпуска тепловой энергии в системе отопления**  
за период с 23.09.20 г. по 22.10.20 г.

: 16 1-2

16 1-2 ,

: -9.2.1

: 00002721

2

1.1

T = 5,00 °C  
 = G max= 12,00 3/ G min= 0,00 3/ = 10 /  
 = G max= 3,00 3/ G min= 0,00 3/ = 10 /  
 = G max= 0,00 3/ G min= 0,00 3/ = 10000 /

	, Q ,	, Q ,	, M, , V, 3									, °C,							T	T /	
							+dM	-dM	dV	/		t1	t2	dt=t1-t2	t3( )	P1	P2	P3( )			
			M1	V1	M2	V2				M3( )	V3( )										
23.09.20	0.45	---	50.60	51.43	46.12	46.78	4.48		4.65	---	---	59.50	55.08	4.42	---	0.54	0.28	---	24.00	0.00	I
24.09.20	0.44	---	42.60	43.29	38.01	38.53	4.59		4.76	---	---	59.11	54.08	5.03	---	0.54	0.30	---	24.00	0.00	I
25.09.20	0.41	---	32.94	33.47	28.78	29.15	4.16		4.32	---	---	58.85	52.38	6.47	---	0.54	0.34	---	24.00	0.00	I
26.09.20	0.40	---	30.16	30.65	26.19	26.52	3.97		4.13	---	---	59.00	51.81	7.19	---	0.54	0.34	---	24.00	0.00	I
27.09.20	0.41	---	28.41	28.85	23.84	24.12	4.57		4.73	---	---	57.37	50.06	7.31	---	0.54	0.34	---	24.00	0.00	I
28.09.20	0.40	---	31.90	32.41	28.01	28.36	3.89		4.05	---	---	58.49	51.71	6.78	---	0.54	0.34	---	24.00	0.00	I
29.09.20	0.42	---	32.30	32.82	28.13	28.48	4.18		4.34	---	---	58.54	51.70	6.84	---	0.54	0.33	---	24.00	0.00	I
30.09.20	0.42	---	32.82	33.34	28.51	28.86	4.32		4.48	---	---	58.08	51.35	6.73	---	0.54	0.33	---	24.00	0.00	I
01.10.20	0.45	---	31.95	32.49	27.50	27.86	4.45		4.63	---	---	60.01	52.46	7.55	---	0.54	0.33	---	24.00	0.00	I
02.10.20	0.48	---	31.16	31.71	26.46	26.82	4.70		4.89	---	---	61.49	53.55	7.94	---	0.54	0.32	---	24.00	0.00	I
03.10.20	0.48	---	31.32	31.88	26.69	27.05	4.64		4.83	---	---	61.84	53.88	7.96	---	0.54	0.33	---	24.00	0.00	I
04.10.20	0.52	---	31.91	32.48	26.40	26.76	5.52		5.72	---	---	61.83	53.97	7.86	---	0.54	0.33	---	24.00	0.00	I
05.10.20	0.46	---	31.44	32.00	27.05	27.42	4.39		4.58	---	---	61.90	54.20	7.70	---	0.54	0.33	---	24.00	0.00	I
06.10.20	0.46	---	31.24	31.79	26.87	27.24	4.37		4.55	---	---	61.68	53.85	7.83	---	0.54	0.33	---	24.00	0.00	I
07.10.20	0.45	---	30.67	31.21	26.52	26.88	4.15		4.33	---	---	61.86	53.73	8.13	---	0.54	0.33	---	24.00	0.00	I
08.10.20	0.44	---	30.20	30.73	26.22	26.57	3.98		4.16	---	---	61.52	53.38	8.14	---	0.54	0.32	---	24.00	0.00	I
09.10.20	0.42	---	31.95	32.51	28.32	28.70	3.64		3.81	---	---	61.24	53.54	7.70	---	0.54	0.33	---	24.00	0.00	I
10.10.20	0.46	---	34.04	34.64	29.92	30.33	4.12		4.31	---	---	61.43	53.99	7.44	---	0.54	0.34	---	24.00	0.00	I
11.10.20	0.46	---	33.75	34.34	29.64	30.04	4.11		4.30	---	---	61.21	53.48	7.73	---	0.54	0.33	---	24.00	0.00	I
12.10.20	0.43	---	33.17	33.74	29.40	29.80	3.76		3.94	---	---	61.02	53.60	7.42	---	0.54	0.33	---	24.00	0.00	I
13.10.20	0.42	---	32.94	33.52	29.26	29.66	3.69		3.86	---	---	61.42	54.06	7.36	---	0.54	0.33	---	24.00	0.00	I
14.10.20	0.42	---	32.72	33.29	29.12	29.52	3.60		3.77	---	---	61.41	53.94	7.47	---	0.54	0.34	---	24.00	0.00	I
15.10.20	0.45	---	33.13	33.71	28.96	29.36	4.17		4.35	---	---	61.38	54.13	7.25	---	0.54	0.34	---	24.00	0.00	I
16.10.20	0.44	---	32.76	33.34	28.78	29.18	3.98		4.16	---	---	61.54	54.21	7.33	---	0.54	0.34	---	24.00	0.00	I
17.10.20	0.45	---	33.30	33.89	29.11	29.52	4.19		4.37	---	---	61.90	54.60	7.30	---	0.54	0.34	---	24.00	0.00	I
18.10.20	0.48	---	33.77	34.37	29.01	29.42	4.76		4.95	---	---	61.75	54.72	7.03	---	0.54	0.34	---	24.00	0.00	I
19.10.20	0.40	---	32.63	33.20	29.29	29.70	3.34		3.50	---	---	61.44	54.35	7.09	---	0.54	0.34	---	24.00	0.00	I
20.10.20	0.45	---	33.31	33.90	29.04	29.44	4.28		4.46	---	---	61.52	54.39	7.13	---	0.54	0.34	---	24.00	0.00	I
21.10.20	0.42	---	33.03	33.62	29.38	29.79	3.66		3.83	---	---	61.79	54.74	7.05	---	0.54	0.34	---	24.00	0.00	I
22.10.20	0.43	---	33.43	34.02	29.42	29.84	4.00		4.18	---	---	61.80	54.84	6.96	---	0.54	0.34	---	24.00	0.00	I
	13.23	---	995.58	1012.64	869.93	881.70	125.66	0.00	130.94	---	---								720.00	0.00	

$$T = \quad + \max + T_{min} + T_{dt} + T$$

$$720.00 = 720.00 + 0.00 + 0.00 + 0.00 + 0.00$$

	24-00	24-00	
,	<b>124.02</b>	<b>137.25</b>	<b>13.23</b>
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,	<b>6929.17</b>	<b>7924.76</b>	<b>995.58</b>
,	<b>5353.82</b>	<b>6223.75</b>	<b>869.93</b>
( ) ,	---	---	---
,	<b>5919.80</b>	<b>6639.80</b>	<b>720.00</b>
max + T <sub>min</sub> + T <sub>dt</sub> + T ,	0.00	0.00	0.00

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