

Ведомость учета среднечасового отпуска тепловой энергии в системе отопления
за период с 23.11.20 г. по 22.12.20 г.

: 15

15,

: -9.2.1

: 00002304

1

1.3

T = 5,00 °C

= G max= 75,00 3/ G min= 0,30 3/ = 10 /
 = G max= 75,00 3/ G min= 0,30 3/ = 10 /
 = G max= 75,00 3/ G min= 0,00 3/ = 10 /

	Q _г	Q _д	M, V, 3									°C							T	T /	
							+dM	-dM	dV	/		t1	t2	dt=t1-t2	t3()	P1	P2	P3()			
			M1	V1	M2	V2				M3()	V3()										
23.11.20	3.99	0.00	247.26	251.63	241.90	244.52	5.36		7.11	0.00	0.00	62.41	47.19	15.22	47.16	0.51	0.42	0.52	24.00	0.00	2
24.11.20	3.95	0.00	244.18	248.31	238.69	241.42	5.49		6.89	0.00	0.00	62.29	47.06	15.23	47.00	0.50	0.42	0.52	24.00	0.00	2
25.11.20	4.05	0.00	244.49	248.88	238.53	241.01	5.96		7.87	0.00	0.00	62.42	46.91	15.51	46.90	0.50	0.42	0.52	24.00	0.00	2
26.11.20	4.11	0.00	243.49	247.59	238.04	240.92	5.45		6.67	0.00	0.00	63.09	47.20	15.89	47.11	0.50	0.42	0.52	24.00	0.00	2
27.11.20	4.71	0.00	241.46	246.60	237.39	240.24	4.07		6.36	0.00	0.00	68.63	49.88	18.75	49.86	0.50	0.42	0.52	24.00	0.00	2
28.11.20	5.05	0.00	241.85	247.06	235.44	238.57	6.41		8.49	0.00	0.00	70.44	50.82	19.62	50.75	0.50	0.42	0.52	24.00	0.00	2
29.11.20	5.18	0.00	242.22	247.36	234.79	238.06	7.44		9.30	0.00	0.00	70.83	50.89	19.94	50.79	0.50	0.42	0.52	24.00	0.00	2
30.11.20	4.82	0.00	241.62	246.51	235.12	238.11	6.49		8.40	0.00	0.00	68.24	49.52	18.72	49.45	0.50	0.42	0.52	24.00	0.00	2
01.12.20	4.21	0.00	244.31	248.55	238.39	241.03	5.92		7.52	0.00	0.00	62.79	46.58	16.21	46.53	0.51	0.42	0.52	24.00	0.00	2
02.12.20	4.21	0.00	241.95	246.21	235.98	238.54	5.96		7.67	0.00	0.00	62.88	46.54	16.34	46.50	0.50	0.42	0.52	24.00	0.00	2
03.12.20	4.35	0.00	243.84	248.10	237.04	239.81	6.80		8.29	0.00	0.00	63.69	47.05	16.64	46.98	0.50	0.42	0.52	24.00	0.00	2
04.12.20	4.45	0.00	242.16	246.67	236.34	239.12	5.82		7.55	0.00	0.00	65.22	47.89	17.33	47.84	0.51	0.42	0.52	24.00	0.00	2
05.12.20	4.62	0.00	244.61	249.26	238.04	240.89	6.56		8.37	0.00	0.00	65.93	48.24	17.69	48.17	0.51	0.43	0.52	24.00	0.00	2
06.12.20	4.36	0.00	244.85	248.92	236.24	239.17	8.61		9.75	0.00	0.00	63.35	47.06	16.29	46.95	0.51	0.43	0.52	24.00	0.00	2
07.12.20	4.12	0.00	242.47	246.59	236.73	239.40	5.74		7.19	0.00	0.00	62.53	46.53	16.00	46.47	0.51	0.43	0.52	24.00	0.00	2
08.12.20	4.15	0.00	242.54	246.67	236.62	239.34	5.92		7.33	0.00	0.00	62.81	46.75	16.06	46.69	0.51	0.43	0.52	24.00	0.00	2
09.12.20	4.72	0.00	241.57	246.38	235.42	238.17	6.15		8.21	0.00	0.00	66.84	48.42	18.42	48.39	0.51	0.43	0.52	24.00	0.00	2
10.12.20	4.90	0.00	237.52	242.37	231.15	234.17	6.38		8.20	0.00	0.00	69.04	49.64	19.40	49.52	0.50	0.42	0.52	24.00	0.00	2
11.12.20	4.42	0.00	236.01	240.36	230.00	232.53	6.01		7.83	0.00	0.00	64.39	46.74	17.65	46.70	0.50	0.42	0.52	24.00	0.00	2
12.12.20	4.76	0.00	240.03	244.65	232.60	235.40	7.43		9.25	0.00	0.00	66.56	48.10	18.46	48.04	0.51	0.43	0.52	24.00	0.00	2
13.12.20	4.55	0.00	243.86	248.17	234.77	237.51	9.09		10.66	0.00	0.00	64.06	46.99	17.07	46.92	0.51	0.43	0.52	24.00	0.00	2
14.12.20	4.16	0.00	237.46	241.66	232.42	234.90	5.04		6.76	0.00	0.00	62.87	46.27	16.60	46.23	0.51	0.43	0.52	24.00	0.00	2
15.12.20	4.10	0.00	239.55	243.53	233.99	236.73	5.56		6.80	0.00	0.00	62.61	46.47	16.14	46.39	0.51	0.43	0.52	24.00	0.00	2
16.12.20	4.63	0.00	238.23	242.77	233.13	236.06	5.11		6.71	0.00	0.00	66.81	48.34	18.47	48.27	0.51	0.43	0.52	24.00	0.00	2
17.12.20	4.88	0.00	238.70	243.90	233.11	235.91	5.59		7.99	0.00	0.00	69.26	49.89	19.37	49.85	0.51	0.43	0.52	24.00	0.00	2
18.12.20	4.21	0.00	242.49	246.56	235.11	237.85	7.38		8.71	0.00	0.00	62.69	46.61	16.08	46.54	0.51	0.43	0.52	24.00	0.00	2
19.12.20	4.14	0.00	245.87	249.96	238.97	241.87	6.90		8.09	0.00	0.00	62.82	47.19	15.63	47.10	0.51	0.43	0.52	24.00	0.00	2
20.12.20	4.23	0.00	245.88	249.99	236.76	239.66	9.11		10.33	0.00	0.00	62.99	47.39	15.60	47.30	0.51	0.43	0.52	24.00	0.00	2
21.12.20	4.15	0.00	245.12	249.32	237.84	240.61	7.28		8.71	0.00	0.00	62.89	47.23	15.66	47.17	0.51	0.43	0.52	24.00	0.00	2
22.12.20	4.29	0.00	239.25	243.58	232.47	235.04	6.78		8.54	0.00	0.00	63.71	47.01	16.70	46.97	0.51	0.43	0.52	24.00	0.00	2
	132.47	0.00	7264.83	7398.15	7073.02	7156.60	191.80	0.00	241.55	0.00	0.00								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	
	1309.19	1441.66	132.47
	0.01	0.01	0.00
	79194.68	86459.51	7264.83
	75603.16	82676.19	7073.02
()	0.20	0.20	0.00
	10290.25	11010.25	720.00
max + T _{min} + T _{dt} + T	1238.80	1238.80	0.00

Ведомость учета среднечасового отпуска тепловой энергии в системе отопления
за период с 23.11.20 г. по 22.12.20 г.

: 15

15,

: -9.2.1

: 00002304

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/ = 1 /

= G max= 0,00 3/ G min= 0,00 3/ = 1 /

	, Q ,	, Q ,	, M, , V, 3								, °C,									
							+dM	-dM	dV	/		t1	t2	dt=t1-t2	t3()	P1	P2	P3()	T	T /
			M1	V1	M2	V2				M3()	V3()									
23.11.20	1.96	---	56.26	57.28	24.16	24.54	32.10		32.74	---	---	62.39	57.43	4.96	---	0.47	0.42	---	24.00	0.00
24.11.20	1.93	---	55.55	56.55	23.89	24.26	31.65		32.29	---	---	62.30	57.36	4.94	---	0.47	0.42	---	24.00	0.00
25.11.20	1.99	---	56.40	57.42	23.79	24.16	32.61		33.26	---	---	62.40	57.34	5.06	---	0.47	0.42	---	24.00	0.00
26.11.20	1.95	---	55.35	56.38	23.96	24.33	31.39		32.05	---	---	63.17	57.92	5.25	---	0.47	0.42	---	24.00	0.00
27.11.20	2.06	---	54.05	55.22	23.96	24.39	30.10		30.83	---	---	68.58	62.55	6.03	---	0.47	0.42	---	24.00	0.00
28.11.20	2.21	---	55.26	56.51	23.62	24.07	31.63		32.44	---	---	70.39	64.20	6.19	---	0.47	0.42	---	24.00	0.00
29.11.20	2.27	---	55.67	56.95	23.51	23.97	32.16		32.98	---	---	70.86	64.43	6.43	---	0.47	0.42	---	24.00	0.00
30.11.20	2.12	---	55.12	56.30	23.68	24.10	31.44		32.20	---	---	68.14	62.35	5.79	---	0.47	0.42	---	24.00	0.00
01.12.20	1.96	---	55.72	56.74	23.98	24.35	31.74		32.39	---	---	62.80	57.56	5.24	---	0.47	0.43	---	24.00	0.00
02.12.20	1.97	---	55.43	56.45	23.60	23.97	31.83		32.48	---	---	62.87	57.55	5.32	---	0.47	0.42	---	24.00	0.00
03.12.20	2.02	---	55.96	57.01	23.66	24.04	32.29		32.97	---	---	63.71	58.29	5.42	---	0.47	0.42	---	24.00	0.00
04.12.20	2.01	---	54.92	56.00	23.67	24.06	31.25		31.94	---	---	65.16	59.63	5.53	---	0.48	0.43	---	24.00	0.00
05.12.20	2.09	---	56.02	57.14	23.85	24.26	32.16		32.88	---	---	65.88	60.18	5.70	---	0.48	0.43	---	24.00	0.00
06.12.20	2.09	---	57.21	58.28	23.50	23.87	33.71		34.41	---	---	63.37	58.14	5.23	---	0.48	0.43	---	24.00	0.00
07.12.20	1.93	---	55.14	56.14	23.78	24.15	31.35		31.99	---	---	62.56	57.31	5.25	---	0.48	0.43	---	24.00	0.00
08.12.20	1.95	---	55.19	56.20	23.69	24.06	31.50		32.14	---	---	62.87	57.56	5.31	---	0.48	0.43	---	24.00	0.00
09.12.20	2.13	---	55.47	56.62	23.50	23.91	31.97		32.71	---	---	66.98	60.78	6.20	---	0.48	0.43	---	24.00	0.00
10.12.20	2.13	---	54.37	55.56	23.13	23.56	31.24		32.00	---	---	68.90	63.01	5.89	---	0.47	0.43	---	24.00	0.00
11.12.20	1.99	---	54.25	55.29	23.00	23.37	31.24		31.92	---	---	64.43	58.61	5.82	---	0.47	0.43	---	24.00	0.00
12.12.20	2.15	---	56.09	57.24	23.22	23.62	32.88		33.62	---	---	66.46	60.69	5.77	---	0.47	0.43	---	24.00	0.00
13.12.20	2.18	---	58.05	59.15	23.29	23.66	34.76		35.49	---	---	64.04	58.61	5.43	---	0.48	0.43	---	24.00	0.00
14.12.20	1.93	---	54.64	55.64	23.44	23.81	31.19		31.83	---	---	62.86	57.44	5.42	---	0.48	0.43	---	24.00	0.00
15.12.20	1.94	---	55.07	56.08	23.63	23.99	31.45		32.09	---	---	62.67	57.33	5.34	---	0.48	0.43	---	24.00	0.00
16.12.20	2.05	---	54.26	55.39	23.55	23.96	30.71		31.43	---	---	67.01	60.66	6.35	---	0.48	0.43	---	24.00	0.00
17.12.20	2.10	---	54.15	55.34	23.42	23.86	30.73		31.48	---	---	68.88	63.19	5.69	---	0.47	0.43	---	24.00	0.00
18.12.20	2.02	---	56.34	57.37	23.55	23.91	32.79		33.46	---	---	62.72	57.44	5.28	---	0.48	0.43	---	24.00	0.00
19.12.20	2.03	---	57.03	58.08	24.05	24.42	32.99		33.66	---	---	62.88	57.65	5.23	---	0.48	0.43	---	24.00	0.00
20.12.20	2.15	---	58.56	59.64	23.58	23.95	34.98		35.69	---	---	63.05	57.87	5.18	---	0.48	0.43	---	24.00	0.00
21.12.20	2.06	---	57.29	58.34	23.89	24.27	33.39		34.07	---	---	62.92	57.78	5.14	---	0.48	0.43	---	24.00	0.00
22.12.20	2.01	---	55.34	56.39	23.29	23.66	32.06		32.73	---	---	63.78	58.20	5.58	---	0.48	0.43	---	24.00	0.00
	61.37	---	1670.15	1702.70	708.86	720.52	961.29	0.00	982.18	---	---								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	
,	579.57	640.94	61.37
,	---	---	---
,	18237.28	19907.43	1670.15
,	8860.23	9569.09	708.86
() ,	---	---	---
,	10442.22	11162.22	720.00
max + T _{min} + T _{dt} + T ,	1085.17	1085.17	0.00
