

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

: 12

12,

: -9.2.1

: 00002320

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	3.42	0.00	239.60	243.98	232.30	235.00	7.30		8.98	0.00	0.00	62.75	49.85	12.90	49.84	0.46	0.38	0.42	24.00	0.00	2
24.11.20	3.37	0.00	236.04	240.34	229.03	231.68	7.01		8.66	0.00	0.00	62.68	49.73	12.95	49.72	0.45	0.38	0.42	24.00	0.00	2
25.11.20	3.35	0.00	234.80	239.08	228.56	231.20	6.23		7.88	0.00	0.00	62.71	49.63	13.08	49.62	0.45	0.38	0.42	24.00	0.00	2
26.11.20	3.56	0.00	234.34	238.72	226.36	228.97	7.98		9.75	0.00	0.00	63.42	49.77	13.65	49.77	0.45	0.39	0.42	24.00	0.00	2
27.11.20	4.03	0.00	232.17	237.23	225.49	228.47	6.68		8.76	0.00	0.00	68.89	52.92	15.97	52.90	0.45	0.39	0.42	24.00	0.00	2
28.11.20	4.21	0.00	230.56	235.84	224.37	227.45	6.19		8.39	0.00	0.00	70.81	53.88	16.93	53.86	0.45	0.38	0.42	24.00	0.00	2
29.11.20	4.38	0.00	231.21	236.57	223.77	226.84	7.44		9.73	0.00	0.00	71.25	53.91	17.34	53.89	0.45	0.38	0.42	24.00	0.00	2
30.11.20	4.12	0.00	230.96	235.98	223.63	226.52	7.34		9.46	0.00	0.00	68.69	52.39	16.30	52.38	0.45	0.38	0.42	24.00	0.00	2
01.12.20	3.62	0.00	233.89	238.23	226.25	228.80	7.64		9.43	0.00	0.00	63.16	49.15	14.01	49.14	0.45	0.39	0.42	24.00	0.00	2
02.12.20	3.54	0.00	230.73	235.02	224.18	226.71	6.55		8.31	0.00	0.00	63.23	49.16	14.07	49.15	0.45	0.39	0.42	24.00	0.00	2
03.12.20	3.66	0.00	232.82	237.25	225.40	228.01	7.42		9.24	0.00	0.00	64.07	49.78	14.29	49.78	0.45	0.39	0.42	24.00	0.00	2
04.12.20	3.77	0.00	231.12	235.73	224.16	226.85	6.95		8.88	0.00	0.00	65.60	50.70	14.90	50.70	0.46	0.39	0.42	24.00	0.00	2
05.12.20	3.93	0.00	233.98	238.73	225.87	228.63	8.11		10.10	0.00	0.00	66.29	51.09	15.20	51.08	0.46	0.39	0.42	24.00	0.00	2
06.12.20	3.64	0.00	232.66	237.06	224.81	227.41	7.84		9.65	0.00	0.00	63.84	49.73	14.11	49.72	0.46	0.39	0.42	24.00	0.00	2
07.12.20	3.50	0.00	231.62	235.89	224.63	227.16	6.99		8.73	0.00	0.00	62.92	49.14	13.78	49.13	0.46	0.39	0.42	24.00	0.00	2
08.12.20	3.50	0.00	231.89	236.19	225.00	227.57	6.89		8.62	0.00	0.00	63.19	49.42	13.77	49.42	0.46	0.39	0.42	24.00	0.00	2
09.12.20	3.92	0.00	230.09	234.87	223.70	226.47	6.39		8.40	0.00	0.00	67.11	51.39	15.72	51.39	0.46	0.39	0.42	24.00	0.00	2
10.12.20	4.08	0.00	225.80	230.82	219.60	222.48	6.21		8.34	0.00	0.00	69.57	52.82	16.75	52.78	0.45	0.39	0.42	24.00	0.00	2
11.12.20	3.75	0.00	225.01	229.38	217.75	220.24	7.26		9.14	0.00	0.00	64.74	49.51	15.23	49.50	0.45	0.39	0.42	24.00	0.00	2
12.12.20	3.96	0.00	227.83	232.55	221.04	223.74	6.78		8.81	0.00	0.00	67.00	51.01	15.99	51.01	0.46	0.39	0.42	24.00	0.00	2
13.12.20	3.78	0.00	231.43	235.89	223.23	225.82	8.19		10.07	0.00	0.00	64.51	49.77	14.74	49.76	0.46	0.39	0.42	24.00	0.00	2
14.12.20	3.56	0.00	225.99	230.19	219.06	221.50	6.93		8.69	0.00	0.00	63.26	48.86	14.40	48.85	0.45	0.39	0.42	24.00	0.00	2
15.12.20	3.50	0.00	227.46	231.66	220.89	223.36	6.57		8.30	0.00	0.00	63.06	48.97	14.09	48.96	0.46	0.39	0.42	24.00	0.00	2
16.12.20	4.00	0.00	227.07	231.81	219.68	222.37	7.38		9.44	0.00	0.00	67.17	51.07	16.10	51.08	0.45	0.39	0.42	24.00	0.00	2
17.12.20	4.09	0.00	226.25	231.32	219.88	222.80	6.37		8.52	0.00	0.00	69.78	53.09	16.69	53.07	0.45	0.39	0.42	24.00	0.00	2
18.12.20	3.46	0.00	229.54	233.80	223.18	225.71	6.36		8.09	0.00	0.00	63.17	49.32	13.85	49.31	0.46	0.39	0.42	24.00	0.00	2
19.12.20	3.51	0.00	235.37	239.76	228.01	230.65	7.36		9.11	0.00	0.00	63.32	49.82	13.50	49.82	0.46	0.39	0.42	24.00	0.00	2
20.12.20	3.51	0.00	233.58	237.96	225.60	228.23	7.98		9.73	0.00	0.00	63.48	50.01	13.47	50.00	0.46	0.39	0.42	24.00	0.00	2
21.12.20	3.44	0.00	232.89	237.22	225.53	228.17	7.36		9.05	0.00	0.00	63.32	49.97	13.35	49.96	0.46	0.39	0.42	24.00	0.00	2
22.12.20	3.57	0.00	225.82	230.13	219.08	221.60	6.74		8.53	0.00	0.00	64.08	49.61	14.47	49.60	0.46	0.39	0.42	24.00	0.00	2
	111.73	0.00	6932.51	7069.23	6720.04	6800.45	212.46	0.00	268.79	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	
	1015.41	1127.14	111.73
	0.00	0.00	0.00
	68340.84	75273.34	6932.51
	64920.92	71640.96	6720.04
()	0.06	0.06	0.00
	8902.08	9622.08	720.00
max + T _{min} + T _{dt} + T	761.82	761.82	0.00

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

: 12

12,

: -9.2.1

: 00002320

2

1.1

T = 5,00 °C

= G max= 7,00 3/ G min= 0,00 3/ = 10 /

= G max= 7,00 3/ G min= 0,00 3/ = 1 /

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

	Q	Q	M, V, 3									°C							T	T /	
							+dM	-dM	dV	/		t1	t2	dt=t1-t2	t3()	P1	P2	P3()			
			M1	V1	M2	V2				M3()	V3()										
23.11.20	2.60	---	25.85	27.99	18.97	19.26	6.87		8.73	---	---	143.40	57.38	86.02	---	0.44	0.41	---	24.00	0.00	
24.11.20	2.53	---	25.48	27.55	18.69	18.97	6.79		8.58	---	---	142.00	57.24	84.76	---	0.44	0.40	---	24.00	0.00	
25.11.20	2.42	---	24.70	26.71	18.76	19.05	5.94		7.66	---	---	141.82	57.20	84.62	---	0.44	0.40	---	24.00	0.00	
26.11.20	2.43	---	23.91	28.16	18.31	18.59	5.61		9.57	---	---	143.08	57.70	85.38	---	0.44	0.41	---	22.10	1.90	C
27.11.20	1.30	---	13.85	26.95	18.43	18.76		-4.58	8.19	---	---	137.32	62.32	75.00	---	0.44	0.41	---	12.72	11.28	C
28.11.20	1.53	---	16.30	26.32	18.37	18.72		-2.07	7.60	---	---	138.10	63.82	74.28	---	0.44	0.41	---	14.82	9.18	C
29.11.20	1.46	---	21.18	27.39	18.12	18.47	3.06		8.92	---	---	115.85	64.06	51.79	---	0.44	0.40	---	20.00	4.00	C
30.11.20	0.00	---	0.00	27.26	18.13	18.45		-18.13	8.81	---	---	180.50	62.04	118.46	---	0.44	0.40	---	0.00	24.00	C
01.12.20	0.00	---	0.00	27.72	18.34	18.62		-18.34	9.10	---	---	180.50	57.31	123.19	---	0.44	0.41	---	0.00	24.00	C
02.12.20	0.00	---	0.00	26.54	18.30	18.58		-18.30	7.96	---	---	180.50	57.29	123.21	---	0.44	0.41	---	0.00	24.00	C
03.12.20	0.00	---	0.00	27.45	18.29	18.58		-18.29	8.87	---	---	180.50	58.01	122.49	---	0.44	0.41	---	0.00	24.00	C
04.12.20	0.00	---	0.00	26.99	18.25	18.55		-18.25	8.44	---	---	180.50	59.32	121.18	---	0.44	0.41	---	0.00	24.00	C
05.12.20	0.00	---	0.00	28.16	18.24	18.54		-18.24	9.62	---	---	180.50	59.82	120.68	---	0.45	0.41	---	0.00	24.00	C
06.12.20	0.00	---	0.00	27.76	18.14	18.42		-18.14	9.34	---	---	180.50	57.86	122.64	---	0.45	0.41	---	0.00	24.00	C
07.12.20	1.05	---	8.02	26.97	18.23	18.51		-10.21	8.46	---	---	169.05	57.00	112.05	---	0.45	0.41	---	7.18	16.82	C
08.12.20	3.07	---	24.23	26.99	18.29	18.57	5.94		8.42	---	---	169.87	57.31	112.56	---	0.45	0.41	---	24.00	0.00	
09.12.20	2.59	---	20.52	26.46	18.21	18.52	2.31		7.94	---	---	173.17	60.37	112.80	---	0.44	0.41	---	21.32	2.68	C
10.12.20	2.52	---	23.63	25.88	17.86	18.18	5.77		7.70	---	---	154.29	62.54	91.75	---	0.44	0.41	---	24.00	0.00	
11.12.20	2.60	---	24.52	26.68	17.57	17.85	6.94		8.83	---	---	148.30	58.20	90.10	---	0.44	0.41	---	24.00	0.00	
12.12.20	2.35	---	24.61	26.59	17.93	18.24	6.68		8.35	---	---	140.34	60.32	80.02	---	0.44	0.41	---	24.00	0.00	
13.12.20	2.95	---	25.67	28.17	17.96	18.24	7.71		9.93	---	---	156.32	58.27	98.05	---	0.44	0.41	---	24.00	0.00	
14.12.20	2.82	---	24.11	26.54	17.72	17.99	6.40		8.55	---	---	159.03	57.07	101.96	---	0.44	0.41	---	24.00	0.00	
15.12.20	2.83	---	23.93	26.39	17.93	18.20	6.00		8.19	---	---	160.95	57.07	103.88	---	0.44	0.41	---	24.00	0.00	
16.12.20	2.48	---	21.56	27.06	17.71	18.01	3.86		9.05	---	---	158.60	60.26	98.34	---	0.44	0.41	---	21.17	2.83	C
17.12.20	0.00	---	0.00	26.02	17.83	18.16		-17.83	7.86	---	---	180.50	62.80	117.70	---	0.44	0.41	---	0.00	24.00	C
18.12.20	2.52	---	19.21	26.37	18.18	18.46	1.03		7.91	---	---	171.97	57.12	114.85	---	0.44	0.41	---	18.45	5.55	C
19.12.20	3.26	---	24.87	27.82	18.47	18.76	6.40		9.06	---	---	173.27	57.48	115.79	---	0.45	0.41	---	24.00	0.00	
20.12.20	3.28	---	25.16	28.09	18.14	18.42	7.02		9.67	---	---	171.79	57.64	114.15	---	0.44	0.41	---	24.00	0.00	
21.12.20	3.13	---	24.64	27.43	18.23	18.51	6.41		8.92	---	---	169.23	57.49	111.74	---	0.45	0.41	---	24.00	0.00	
22.12.20	2.94	---	23.52	26.15	17.71	17.99	5.81		8.16	---	---	168.16	57.73	110.43	---	0.44	0.41	---	24.00	0.00	
	54.66	---	489.48	812.56	545.30	554.18	106.55	-162.36	258.38	---	---								473.75	246.25	

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

$$720.00 = 473.75 + 0.00 + 0.00 + 0.00 + 246.25$$

	24-00	24-00	
	473.73	528.39	54.66
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	6938.31	7427.79	489.48
	4545.73	5091.03	545.30
()	---	---	---
	8280.53	8754.28	473.75
max + T _{min} + T _{dt} + T	1380.07	1626.32	246.25
