

Ведомость учета среднечасового отпуска тепловой энергии в системе отопления
за период с 23.09.20 г. по 22.10.20 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()										
23.09.20	2.70	0.00	239.08	243.15	231.54	234.32	7.54		8.83	0.00	0.00	60.49	50.65	9.84	50.65	0.45	0.37	0.42	24.00	0.00	2
24.09.20	2.78	0.00	238.10	242.12	230.68	233.37	7.42		8.75	0.00	0.00	60.20	49.95	10.25	49.94	0.45	0.37	0.42	24.00	0.00	2
25.09.20	2.58	0.00	180.13	183.19	173.26	175.10	6.87		8.09	0.00	0.00	60.38	47.72	12.66	46.94	0.45	0.40	0.42	24.00	0.00	2
26.09.20	2.53	0.00	143.07	145.50	135.88	137.14	7.19		8.36	0.00	0.00	60.39	44.70	15.69	44.69	0.45	0.42	0.42	24.00	0.00	2
27.09.20	2.55	0.00	143.19	145.49	133.68	134.84	9.51		10.65	0.00	0.00	58.64	43.42	15.22	43.40	0.45	0.42	0.42	24.00	0.00	2
28.09.20	2.71	0.00	174.61	177.53	167.32	168.98	7.29		8.55	0.00	0.00	59.95	46.16	13.79	45.55	0.45	0.41	0.42	24.00	0.00	2
29.09.20	3.02	0.00	236.90	240.85	229.25	231.78	7.65		9.07	0.00	0.00	59.92	48.57	11.35	48.56	0.45	0.37	0.42	24.00	0.00	2
30.09.20	3.00	0.00	245.29	249.32	238.36	240.97	6.93		8.35	0.00	0.00	59.41	48.42	10.99	48.40	0.45	0.37	0.42	24.00	0.00	2
01.10.20	3.19	0.00	243.46	247.74	236.70	239.42	6.76		8.32	0.00	0.00	61.43	49.57	11.86	49.59	0.44	0.36	0.42	24.00	0.00	2
02.10.20	3.24	0.00	237.17	241.55	231.45	234.21	5.72		7.34	0.00	0.00	63.01	50.46	12.55	50.45	0.44	0.36	0.42	24.00	0.00	2
03.10.20	3.37	0.00	239.16	243.63	231.54	234.34	7.62		9.29	0.00	0.00	63.37	50.77	12.60	50.76	0.44	0.36	0.42	24.00	0.00	2
04.10.20	3.26	0.00	238.54	242.99	231.02	233.85	7.53		9.14	0.00	0.00	63.33	51.14	12.19	51.14	0.44	0.36	0.42	24.00	0.00	2
05.10.20	3.22	0.00	239.00	243.47	231.73	234.60	7.27		8.87	0.00	0.00	63.40	51.36	12.04	51.36	0.44	0.36	0.42	24.00	0.00	2
06.10.20	3.29	0.00	239.51	243.96	232.65	235.46	6.86		8.50	0.00	0.00	63.18	50.76	12.42	50.75	0.44	0.36	0.42	24.00	0.00	2
07.10.20	3.30	0.00	236.46	240.88	230.09	232.86	6.36		8.02	0.00	0.00	63.42	50.71	12.71	50.70	0.44	0.36	0.42	24.00	0.00	2
08.10.20	3.32	0.00	228.67	232.91	221.13	223.72	7.55		9.19	0.00	0.00	63.12	50.08	13.04	50.07	0.43	0.36	0.42	24.00	0.00	2
09.10.20	3.33	0.00	231.15	235.40	224.03	226.63	7.12		8.77	0.00	0.00	62.85	49.81	13.04	49.80	0.44	0.36	0.42	24.00	0.00	2
10.10.20	3.30	0.00	237.43	241.80	231.68	234.42	5.75		7.38	0.00	0.00	63.00	50.20	12.80	50.19	0.45	0.37	0.42	24.00	0.00	2
11.10.20	3.45	0.00	239.26	243.65	230.88	233.57	8.38		10.08	0.00	0.00	62.78	49.95	12.83	49.95	0.45	0.37	0.42	24.00	0.00	2
12.10.20	3.40	0.00	236.32	240.63	229.36	231.99	6.96		8.64	0.00	0.00	62.60	49.56	13.04	49.55	0.45	0.37	0.42	24.00	0.00	2
13.10.20	3.36	0.00	235.56	239.90	228.64	231.32	6.92		8.58	0.00	0.00	62.97	50.06	12.91	50.06	0.45	0.37	0.42	24.00	0.00	2
14.10.20	3.30	0.00	234.50	238.82	227.75	230.42	6.76		8.40	0.00	0.00	62.92	50.15	12.77	50.14	0.45	0.37	0.42	24.00	0.00	2
15.10.20	3.27	0.00	234.54	238.85	227.63	230.32	6.91		8.53	0.00	0.00	62.84	50.26	12.58	50.26	0.45	0.37	0.42	24.00	0.00	2
16.10.20	3.27	0.00	232.92	237.22	226.71	229.38	6.21		7.84	0.00	0.00	63.03	50.21	12.82	50.20	0.45	0.37	0.42	24.00	0.00	2
17.10.20	3.32	0.00	236.60	241.02	228.77	231.54	7.83		9.48	0.00	0.00	63.38	50.88	12.50	50.87	0.45	0.37	0.42	24.00	0.00	2
18.10.20	3.26	0.00	238.17	242.59	229.51	232.33	8.66		10.26	0.00	0.00	63.17	51.17	12.00	51.17	0.45	0.37	0.42	24.00	0.00	2
19.10.20	3.22	0.00	235.50	239.83	228.61	231.35	6.89		8.48	0.00	0.00	62.89	50.58	12.31	50.57	0.45	0.37	0.42	24.00	0.00	2
20.10.20	3.34	0.00	236.14	240.50	228.25	230.96	7.89		9.54	0.00	0.00	62.97	50.37	12.60	50.37	0.45	0.37	0.42	24.00	0.00	2
21.10.20	3.26	0.00	236.73	241.13	229.69	232.47	7.04		8.66	0.00	0.00	63.23	50.84	12.39	50.83	0.45	0.37	0.42	24.00	0.00	2
22.10.20	3.11	0.00	236.74	241.14	230.23	233.08	6.51		8.06	0.00	0.00	63.20	51.35	11.85	51.35	0.45	0.37	0.42	24.00	0.00	2
	94.24	0.00	6803.91	6926.80	6588.03	6664.78	215.89	0.00	262.02	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	
,	817.29	911.53	94.24
,	0.00	0.00	0.00
,	54041.67	60845.58	6803.91
,	51063.59	57651.62	6588.03
() ,	0.06	0.06	0.00
,	7438.08	8158.08	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 23.09.20 г. по 22.10.20 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()										
23.09.20	0.00	---	0.00	14.73	6.86	6.94		-6.86	7.78	---	---	180.50	50.78	129.72	---	0.44	0.44	---	0.00	24.00	C
24.09.20	1.92	---	13.10	14.83	6.79	6.87	6.31		7.95	---	---	172.99	50.66	122.33	---	0.44	0.44	---	23.55	0.45	C
25.09.20	1.49	---	10.00	11.19	4.90	4.95	5.10		6.24	---	---	173.65	48.51	125.14	---	0.45	0.45	---	24.00	0.00	
26.09.20	1.31	---	8.46	9.49	3.63	3.66	4.83		5.83	---	---	175.55	46.08	129.47	---	0.45	0.45	---	24.00	0.00	
27.09.20	1.62	---	10.84	12.03	3.44	3.48	7.40		8.55	---	---	165.95	44.76	121.19	---	0.44	0.45	---	24.00	0.00	
28.09.20	0.95	---	6.31	10.79	4.67	4.72	1.64		6.07	---	---	176.03	47.73	128.30	---	0.45	0.44	---	19.08	4.92	C
29.09.20	0.00	---	0.00	14.75	6.66	6.74		-6.66	8.01	---	---	180.50	49.40	131.10	---	0.44	0.44	---	0.00	24.00	C
30.09.20	0.00	---	0.00	14.58	6.97	7.05		-6.97	7.52	---	---	180.50	49.65	130.85	---	0.44	0.44	---	0.00	24.00	C
01.10.20	0.00	---	0.00	14.35	6.91	6.99		-6.91	7.36	---	---	180.50	50.76	129.74	---	0.43	0.43	---	0.00	24.00	C
02.10.20	0.00	---	0.00	13.12	6.77	6.86		-6.77	6.26	---	---	180.50	51.53	128.97	---	0.43	0.43	---	0.00	24.00	C
03.10.20	0.00	---	0.00	15.12	6.74	6.82		-6.74	8.29	---	---	180.50	52.07	128.43	---	0.43	0.43	---	0.00	24.00	C
04.10.20	0.00	---	0.00	15.06	6.73	6.81		-6.73	8.25	---	---	180.50	52.25	128.25	---	0.43	0.43	---	0.00	24.00	C
05.10.20	0.00	---	0.00	14.83	6.76	6.85		-6.76	7.98	---	---	180.50	52.42	128.08	---	0.43	0.43	---	0.00	24.00	C
06.10.20	0.00	---	0.00	14.47	6.79	6.88		-6.79	7.59	---	---	180.50	52.04	128.46	---	0.43	0.43	---	0.00	24.00	C
07.10.20	0.00	---	0.00	13.85	6.73	6.81		-6.73	7.04	---	---	180.50	51.85	128.65	---	0.43	0.43	---	0.00	24.00	C
08.10.20	0.00	---	0.00	14.74	6.41	6.49		-6.41	8.25	---	---	180.50	51.43	129.07	---	0.42	0.42	---	0.00	24.00	C
09.10.20	0.00	---	0.00	14.40	6.51	6.58		-6.51	7.81	---	---	180.50	51.17	129.33	---	0.43	0.43	---	0.00	24.00	C
10.10.20	0.17	---	1.22	13.25	6.78	6.86		-5.55	6.39	---	---	180.26	50.86	129.40	---	0.44	0.44	---	3.48	20.52	C
11.10.20	0.45	---	3.15	15.96	6.69	6.77		-3.54	9.19	---	---	180.15	50.91	129.24	---	0.44	0.43	---	8.40	15.60	C
12.10.20	1.83	---	12.34	14.42	6.68	6.76	5.66		7.66	---	---	175.18	50.50	124.68	---	0.44	0.43	---	22.75	1.25	C
13.10.20	1.90	---	12.82	14.38	6.65	6.73	6.17		7.64	---	---	175.46	50.82	124.64	---	0.44	0.43	---	24.00	0.00	
14.10.20	1.88	---	12.66	14.20	6.62	6.70	6.04		7.50	---	---	175.57	50.98	124.59	---	0.44	0.44	---	24.00	0.00	
15.10.20	1.87	---	12.87	14.38	6.62	6.70	6.24		7.68	---	---	172.71	51.18	121.53	---	0.44	0.44	---	24.00	0.00	
16.10.20	1.76	---	12.19	13.62	6.62	6.70	5.57		6.92	---	---	172.54	51.17	121.37	---	0.44	0.44	---	24.00	0.00	
17.10.20	2.03	---	13.81	15.44	6.64	6.72	7.17		8.72	---	---	172.89	51.85	121.04	---	0.44	0.44	---	24.00	0.00	
18.10.20	2.15	---	14.57	16.28	6.64	6.72	7.93		9.56	---	---	172.38	52.03	120.35	---	0.44	0.44	---	24.00	0.00	
19.10.20	1.85	---	12.87	14.36	6.66	6.74	6.21		7.62	---	---	171.18	51.69	119.49	---	0.44	0.44	---	24.00	0.00	
20.10.20	1.99	---	13.84	15.41	6.62	6.71	7.22		8.70	---	---	169.46	51.82	117.64	---	0.44	0.44	---	24.00	0.00	
21.10.20	1.87	---	13.14	14.63	6.69	6.78	6.45		7.85	---	---	169.49	52.06	117.43	---	0.44	0.44	---	24.00	0.00	
22.10.20	1.80	---	12.73	14.18	6.74	6.82	5.99		7.36	---	---	169.85	52.29	117.56	---	0.44	0.44	---	24.00	0.00	
	28.87	---	196.93	422.84	190.94	193.26	95.93	-89.95	229.58	---	---								389.27	330.73	

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

$$720.00 = 389.27 + 0.00 + 0.00 + 0.00 + 330.73$$

	24-00	24-00	
	379.58	408.45	28.87
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	6184.69	6381.62	196.93
	4009.60	4200.54	190.94
()	---	---	---
	7147.27	7536.53	389.27
max + T _{min} + T _{dt} + T	1049.33	1380.07	330.73
