

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

: 14 5-6

14 5-6 ,

: -9.2.1
: 00003126

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1.1

T = 5,00 °C

= G max= 45,00 3/ G min= 0,00 3/ = 10 /
 = G max= 45,00 3/ G min= 0,00 3/ = 10 /
 = G max= 45,00 3/ G min= 0,00 3/ = 10 /

	, 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	1.55	---	112.22	114.26	108.60	109.88	3.62		4.38	---	---	62.51	50.16	12.35	---	0.40	0.35	---	24.00	0.00
24.11.20	1.53	---	110.16	112.16	106.77	108.02	3.38		4.14	---	---	62.49	49.99	12.50	---	0.39	0.35	---	24.00	0.00
25.11.20	1.51	---	110.44	112.45	107.48	108.74	2.96		3.71	---	---	62.54	50.04	12.50	---	0.39	0.35	---	24.00	0.00
26.11.20	1.56	---	109.54	111.58	106.50	107.76	3.04		3.82	---	---	63.21	50.21	13.00	---	0.40	0.35	---	24.00	0.00
27.11.20	1.82	---	109.20	111.57	105.98	107.41	3.21		4.16	---	---	68.70	53.52	15.18	---	0.39	0.35	---	24.00	0.00
28.11.20	1.95	---	109.24	111.74	105.33	106.81	3.91		4.93	---	---	70.64	54.58	16.06	---	0.39	0.35	---	24.00	0.00
29.11.20	1.92	---	108.40	110.91	105.60	107.08	2.80		3.83	---	---	71.05	54.64	16.41	---	0.39	0.35	---	24.00	0.00
30.11.20	1.83	---	108.43	110.78	105.40	106.80	3.02		3.98	---	---	68.57	53.03	15.54	---	0.39	0.35	---	24.00	0.00
01.12.20	1.61	---	109.92	111.95	106.64	107.87	3.28		4.08	---	---	62.97	49.65	13.32	---	0.40	0.35	---	24.00	0.00
02.12.20	1.60	---	108.89	110.90	105.59	106.81	3.29		4.09	---	---	63.03	49.67	13.36	---	0.39	0.35	---	24.00	0.00
03.12.20	1.62	---	109.37	111.45	106.58	107.84	2.79		3.61	---	---	63.87	50.23	13.64	---	0.40	0.35	---	24.00	0.00
04.12.20	1.70	---	106.90	109.02	103.60	104.86	3.30		4.16	---	---	65.43	50.94	14.49	---	0.40	0.36	---	24.00	0.00
05.12.20	1.77	---	108.73	110.93	105.07	106.37	3.66		4.56	---	---	66.07	51.32	14.75	---	0.40	0.36	---	24.00	0.00
06.12.20	1.63	---	107.98	110.02	104.81	106.03	3.17		3.99	---	---	63.71	49.93	13.78	---	0.40	0.36	---	24.00	0.00
07.12.20	1.62	---	112.19	114.25	108.68	109.94	3.51		4.31	---	---	62.76	49.74	13.02	---	0.40	0.35	---	24.00	0.00
08.12.20	1.59	---	114.10	116.21	111.18	112.49	2.92		3.72	---	---	63.05	50.25	12.80	---	0.40	0.35	---	24.00	0.00
09.12.20	1.80	---	114.01	116.37	110.78	112.21	3.23		4.16	---	---	66.91	52.45	14.46	---	0.40	0.35	---	24.00	0.00
10.12.20	1.88	---	111.00	113.47	107.98	109.46	3.02		4.01	---	---	69.49	53.92	15.57	---	0.39	0.35	---	24.00	0.00
11.12.20	1.68	---	109.92	112.05	106.69	107.97	3.23		4.08	---	---	64.55	50.57	13.98	---	0.39	0.35	---	24.00	0.00
12.12.20	1.85	---	113.00	115.34	108.94	110.34	4.06		5.00	---	---	66.86	52.24	14.62	---	0.40	0.35	---	24.00	0.00
13.12.20	1.72	---	114.17	116.37	110.30	111.64	3.87		4.73	---	---	64.36	50.89	13.47	---	0.40	0.35	---	24.00	0.00
14.12.20	1.62	---	111.18	113.24	107.65	108.90	3.53		4.34	---	---	63.08	49.91	13.17	---	0.39	0.35	---	24.00	0.00
15.12.20	1.58	---	112.62	114.70	109.58	110.86	3.05		3.84	---	---	62.90	50.07	12.83	---	0.40	0.35	---	24.00	0.00
16.12.20	1.79	---	112.53	114.86	109.44	110.85	3.08		4.01	---	---	66.89	52.30	14.59	---	0.40	0.35	---	24.00	0.00
17.12.20	1.89	---	112.85	115.38	109.49	111.02	3.35		4.36	---	---	69.68	54.39	15.29	---	0.40	0.35	---	24.00	0.00
18.12.20	1.64	---	114.09	116.20	110.06	111.36	4.03		4.84	---	---	62.97	50.21	12.76	---	0.40	0.35	---	24.00	0.00
19.12.20	1.60	---	116.07	118.22	112.61	113.96	3.46		4.26	---	---	63.08	50.66	12.42	---	0.40	0.35	---	24.00	0.00
20.12.20	1.60	---	115.38	117.53	111.68	113.03	3.70		4.50	---	---	63.28	50.87	12.41	---	0.40	0.35	---	24.00	0.00
21.12.20	1.57	---	114.93	117.06	111.89	113.24	3.04		3.82	---	---	63.13	50.72	12.41	---	0.40	0.35	---	24.00	0.00
22.12.20	1.62	---	111.88	114.00	108.87	110.18	3.01		3.82	---	---	63.89	50.68	13.21	---	0.40	0.35	---	24.00	0.00
	50.67	---	3339.32	3404.98	3239.79	3279.74	99.53	0.00	125.24	---	---								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	
,	283.52	334.19	50.67
,	---	---	---
,	18293.50	21632.82	3339.32
,	17184.15	20423.94	3239.79
() ,	---	---	---
,	7354.05	8074.05	720.00
max + T _{min} + T _{dt} + T ,	959.05	959.05	0.00

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

: 14 5-6

14 5-6 ,

: -9.2.1
: 00003126

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1.1

T = 5,00 °C

= G max= 32,00 3/ G min= 0,00 3/ = 10 /
 = G max= 23,00 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	0.42	---	32.24	32.82	27.26	27.67	4.98		5.15	---	---	62.14	57.09	5.05	---	0.39	0.37	---	24.00	0.00
24.11.20	0.41	---	31.54	32.11	26.81	27.22	4.73		4.89	---	---	62.11	57.02	5.09	---	0.38	0.37	---	24.00	0.00
25.11.20	0.37	---	31.23	31.79	27.11	27.53	4.11		4.26	---	---	62.17	57.04	5.13	---	0.38	0.36	---	24.00	0.00
26.11.20	0.39	---	31.14	31.71	26.85	27.26	4.29		4.45	---	---	62.83	57.53	5.30	---	0.39	0.37	---	24.00	0.00
27.11.20	0.40	---	30.40	31.05	26.63	27.10	3.77		3.95	---	---	68.25	62.04	6.21	---	0.38	0.37	---	24.00	0.00
28.11.20	0.46	---	30.64	31.33	26.20	26.69	4.44		4.64	---	---	70.19	63.62	6.57	---	0.38	0.37	---	24.00	0.00
29.11.20	0.39	---	29.75	30.43	26.56	27.06	3.19		3.37	---	---	70.60	63.91	6.69	---	0.38	0.37	---	24.00	0.00
30.11.20	0.39	---	30.10	30.75	26.47	26.94	3.64		3.81	---	---	68.10	61.86	6.24	---	0.38	0.37	---	24.00	0.00
01.12.20	0.38	---	31.05	31.62	26.96	27.37	4.10		4.25	---	---	62.59	57.21	5.38	---	0.39	0.37	---	24.00	0.00
02.12.20	0.37	---	30.57	31.13	26.68	27.09	3.89		4.04	---	---	62.64	57.21	5.43	---	0.38	0.37	---	24.00	0.00
03.12.20	0.35	---	30.48	31.05	27.06	27.48	3.42		3.57	---	---	63.48	57.93	5.55	---	0.39	0.37	---	24.00	0.00
04.12.20	0.39	---	30.00	30.59	26.10	26.52	3.90		4.07	---	---	65.01	59.12	5.89	---	0.39	0.37	---	24.00	0.00
05.12.20	0.40	---	30.57	31.18	26.52	26.96	4.05		4.22	---	---	65.64	59.69	5.95	---	0.39	0.37	---	24.00	0.00
06.12.20	0.37	---	30.31	30.88	26.50	26.92	3.81		3.96	---	---	63.30	57.76	5.54	---	0.39	0.37	---	24.00	0.00
07.12.20	0.38	---	31.67	32.24	27.50	27.92	4.17		4.32	---	---	62.39	57.14	5.25	---	0.39	0.37	---	24.00	0.00
08.12.20	0.35	---	31.96	32.55	28.46	28.90	3.50		3.65	---	---	62.68	57.51	5.17	---	0.39	0.37	---	24.00	0.00
09.12.20	0.38	---	31.85	32.50	28.33	28.82	3.52		3.68	---	---	66.52	60.65	5.87	---	0.39	0.37	---	24.00	0.00
10.12.20	0.38	---	30.71	31.38	27.42	27.93	3.28		3.45	---	---	69.01	62.84	6.17	---	0.38	0.36	---	24.00	0.00
11.12.20	0.37	---	30.73	31.32	27.09	27.53	3.64		3.79	---	---	64.16	58.50	5.66	---	0.38	0.36	---	24.00	0.00
12.12.20	0.42	---	31.83	32.48	27.55	28.03	4.28		4.45	---	---	66.38	60.67	5.71	---	0.38	0.36	---	24.00	0.00
13.12.20	0.39	---	32.13	32.74	28.12	28.58	4.00		4.16	---	---	63.96	58.63	5.33	---	0.39	0.37	---	24.00	0.00
14.12.20	0.36	---	31.11	31.68	27.38	27.80	3.73		3.88	---	---	62.70	57.40	5.30	---	0.38	0.36	---	24.00	0.00
15.12.20	0.32	---	31.30	31.87	28.22	28.65	3.08		3.22	---	---	62.52	57.32	5.20	---	0.39	0.37	---	24.00	0.00
16.12.20	0.36	---	31.13	31.77	27.97	28.45	3.16		3.32	---	---	66.49	60.51	5.98	---	0.39	0.36	---	24.00	0.00
17.12.20	0.38	---	31.14	31.83	27.75	28.27	3.39		3.56	---	---	69.09	63.16	5.93	---	0.38	0.36	---	24.00	0.00
18.12.20	0.39	---	32.24	32.83	28.02	28.45	4.22		4.38	---	---	62.59	57.44	5.15	---	0.39	0.36	---	24.00	0.00
19.12.20	0.36	---	32.62	33.22	28.88	29.33	3.74		3.89	---	---	62.71	57.67	5.04	---	0.39	0.37	---	24.00	0.00
20.12.20	0.38	---	32.55	33.15	28.46	28.90	4.09		4.25	---	---	62.91	57.89	5.02	---	0.39	0.37	---	24.00	0.00
21.12.20	0.34	---	32.05	32.64	28.60	29.04	3.46		3.60	---	---	62.76	57.76	5.00	---	0.39	0.37	---	24.00	0.00
22.12.20	0.36	---	31.34	31.93	27.82	28.26	3.53		3.67	---	---	63.53	58.16	5.37	---	0.39	0.37	---	24.00	0.00
	11.43	---	936.39	954.57	821.26	834.69	115.13	0.00	119.88	---	---								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	
,	110.16	121.59	11.43
,	---	---	---
,	7310.84	8247.23	936.39
,	5997.40	6818.65	821.26
() ,	---	---	---
,	7254.23	7974.23	720.00
max + T _{min} + T _{dt} + T ,	1058.90	1058.90	0.00
