

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

: 16 5-6

16 5-6 ,

: -9.2.1

: 00003159

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= 45,00 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	1.69	0.00	97.31	99.09	93.54	94.50	3.77		4.59	0.00	0.00	62.59	46.81	15.78	0.00	0.40	0.36	0.00	24.00	0.00	B,E
24.11.20	1.65	0.00	95.24	96.98	91.90	92.84	3.34		4.14	0.00	0.00	62.56	46.68	15.88	0.00	0.40	0.35	0.00	24.00	0.00	B,E
25.11.20	1.67	0.00	95.88	97.63	92.39	93.33	3.49		4.30	0.00	0.00	62.62	46.76	15.86	0.00	0.40	0.35	0.00	24.00	0.00	B,E
26.11.20	1.72	0.00	95.17	96.95	91.58	92.52	3.59		4.43	0.00	0.00	63.37	46.88	16.49	0.00	0.40	0.36	0.00	24.00	0.00	B,E
27.11.20	1.91	0.00	93.86	95.91	91.35	92.41	2.51		3.50	0.00	0.00	68.84	49.72	19.12	0.00	0.40	0.36	0.00	24.00	0.00	B,E
28.11.20	2.01	0.00	93.74	95.89	90.96	92.05	2.78		3.84	0.00	0.00	70.76	50.64	20.12	0.00	0.40	0.36	0.00	24.00	0.00	B,E
29.11.20	2.14	0.00	94.97	97.18	90.66	91.75	4.32		5.43	0.00	0.00	71.19	50.73	20.46	0.00	0.40	0.35	0.00	24.00	0.00	B,E
30.11.20	1.94	0.00	93.83	95.87	90.66	91.70	3.17		4.17	0.00	0.00	68.61	49.43	19.18	0.00	0.40	0.35	0.00	24.00	0.00	B,E
01.12.20	1.75	0.00	95.75	97.52	91.68	92.61	4.06		4.91	0.00	0.00	63.08	46.55	16.53	0.00	0.40	0.36	0.00	24.00	0.00	B,E
02.12.20	1.69	0.00	94.08	95.83	90.96	91.88	3.12		3.95	0.00	0.00	63.15	46.57	16.58	0.00	0.40	0.36	0.00	24.00	0.00	B,E
03.12.20	1.80	0.00	96.01	97.84	91.78	92.73	4.23		5.11	0.00	0.00	63.98	47.12	16.86	0.00	0.40	0.36	0.00	24.00	0.00	B,E
04.12.20	1.81	0.00	95.18	97.08	92.03	93.02	3.15		4.06	0.00	0.00	65.57	48.03	17.54	0.00	0.40	0.36	0.00	24.00	0.00	B,E
05.12.20	1.94	0.00	98.09	100.08	93.67	94.70	4.42		5.38	0.00	0.00	66.23	48.46	17.77	0.00	0.41	0.37	0.00	24.00	0.00	B,E
06.12.20	1.81	0.00	96.75	98.58	92.08	93.03	4.67		5.55	0.00	0.00	63.79	47.10	16.69	0.00	0.41	0.36	0.00	24.00	0.00	B,E
07.12.20	1.71	0.00	94.54	96.28	90.87	91.78	3.67		4.50	0.00	0.00	62.89	46.37	16.52	0.00	0.41	0.36	0.00	24.00	0.00	B,E
08.12.20	1.70	0.00	95.16	96.93	91.87	92.81	3.29		4.12	0.00	0.00	63.18	46.78	16.40	0.00	0.41	0.36	0.00	24.00	0.00	B,E
09.12.20	1.90	0.00	94.39	96.36	91.22	92.22	3.18		4.14	0.00	0.00	67.15	48.51	18.64	0.00	0.40	0.36	0.00	24.00	0.00	B,E
10.12.20	1.97	0.00	91.90	93.95	88.71	89.74	3.19		4.21	0.00	0.00	69.58	49.68	19.90	0.00	0.40	0.36	0.00	24.00	0.00	B,E
11.12.20	1.79	0.00	91.08	92.85	87.61	88.50	3.47		4.35	0.00	0.00	64.74	46.71	18.03	0.00	0.40	0.36	0.00	24.00	0.00	B,E
12.12.20	1.90	0.00	93.40	95.34	89.83	90.81	3.57		4.53	0.00	0.00	66.97	48.26	18.71	0.00	0.40	0.36	0.00	24.00	0.00	B,E
13.12.20	1.83	0.00	95.30	97.14	91.03	91.98	4.27		5.16	0.00	0.00	64.48	47.21	17.27	0.00	0.41	0.36	0.00	24.00	0.00	B,E
14.12.20	1.71	0.00	92.14	93.86	88.71	89.60	3.43		4.26	0.00	0.00	63.23	46.26	16.97	0.00	0.40	0.36	0.00	24.00	0.00	B,E
15.12.20	1.73	0.00	94.19	95.93	90.09	91.00	4.10		4.93	0.00	0.00	63.03	46.49	16.54	0.00	0.40	0.36	0.00	24.00	0.00	B,E
16.12.20	1.91	0.00	93.43	95.39	90.06	91.05	3.37		4.34	0.00	0.00	67.21	48.36	18.85	0.00	0.40	0.36	0.00	24.00	0.00	B,E
17.12.20	1.97	0.00	93.42	95.52	90.38	91.45	3.04		4.07	0.00	0.00	69.72	50.12	19.60	0.00	0.40	0.36	0.00	24.00	0.00	B,E
18.12.20	1.69	0.00	94.22	95.97	90.93	91.85	3.30		4.12	0.00	0.00	63.10	46.65	16.45	0.00	0.40	0.36	0.00	24.00	0.00	B,E
19.12.20	1.73	0.00	97.12	98.93	92.85	93.82	4.27		5.11	0.00	0.00	63.22	47.22	16.00	0.00	0.41	0.36	0.00	24.00	0.00	B,E
20.12.20	1.71	0.00	96.09	97.89	92.06	93.03	4.03		4.86	0.00	0.00	63.40	47.38	16.02	0.00	0.41	0.36	0.00	24.00	0.00	B,E
21.12.20	1.68	0.00	95.74	97.52	92.24	93.20	3.50		4.32	0.00	0.00	63.27	47.32	15.95	0.00	0.41	0.36	0.00	24.00	0.00	B,E
22.12.20	1.77	0.00	93.82	95.61	89.47	90.40	4.35		5.21	0.00	0.00	64.06	47.11	16.95	0.00	0.41	0.36	0.00	24.00	0.00	B,E
	54.24	0.00	2841.83	2897.90	2733.17	2762.31	108.65	0.00	135.59	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	
	302.71	356.95	54.24
	0.00	0.00	0.00
	22900.42	25742.25	2841.83
	21826.19	24559.36	2733.17
()	24.53	24.53	0.00
	7031.65	7751.65	720.00
max + T _{min} + T _{dt} + T	270.28	270.28	0.00

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

: 16 5-6

16 5-6 ,

: -9.2.1
: 00003159

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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	0.42	---	24.57	25.02	21.19	21.45	3.39		3.57	---	---	62.42	51.73	10.69	---	0.39	0.39	---	24.00	0.00
24.11.20	0.39	---	23.68	24.11	20.89	21.15	2.79		2.96	---	---	62.39	51.56	10.83	---	0.39	0.39	---	24.00	0.00
25.11.20	0.40	---	23.92	24.35	20.96	21.23	2.95		3.12	---	---	62.45	51.62	10.83	---	0.39	0.39	---	24.00	0.00
26.11.20	0.42	---	23.78	24.22	20.62	20.88	3.16		3.34	---	---	63.21	51.90	11.31	---	0.39	0.39	---	24.00	0.00
27.11.20	0.42	---	22.88	23.38	20.52	20.81	2.37		2.57	---	---	68.60	55.39	13.21	---	0.39	0.39	---	24.00	0.00
28.11.20	0.45	---	22.96	23.48	20.33	20.63	2.63		2.85	---	---	70.49	56.66	13.83	---	0.39	0.39	---	24.00	0.00
29.11.20	0.55	---	24.02	24.57	19.86	20.16	4.16		4.41	---	---	70.95	57.05	13.90	---	0.39	0.39	---	24.00	0.00
30.11.20	0.45	---	23.24	23.74	20.35	20.64	2.89		3.10	---	---	68.28	55.24	13.04	---	0.39	0.39	---	24.00	0.00
01.12.20	0.44	---	24.19	24.64	20.51	20.76	3.69		3.88	---	---	62.88	51.61	11.27	---	0.39	0.39	---	24.00	0.00
02.12.20	0.41	---	23.47	23.90	20.50	20.75	2.97		3.15	---	---	62.95	51.48	11.47	---	0.39	0.39	---	24.00	0.00
03.12.20	0.47	---	24.82	25.29	20.77	21.04	4.05		4.25	---	---	63.75	52.36	11.39	---	0.39	0.39	---	24.00	0.00
04.12.20	0.45	---	24.98	25.48	21.65	21.94	3.33		3.54	---	---	65.34	53.72	11.62	---	0.39	0.39	---	24.00	0.00
05.12.20	0.51	---	26.04	26.56	21.70	22.01	4.33		4.55	---	---	65.94	54.45	11.49	---	0.39	0.39	---	24.00	0.00
06.12.20	0.49	---	25.67	26.15	21.25	21.53	4.41		4.62	---	---	63.57	52.71	10.86	---	0.39	0.39	---	24.00	0.00
07.12.20	0.44	---	24.71	25.16	21.06	21.32	3.65		3.84	---	---	62.71	51.73	10.98	---	0.39	0.39	---	24.00	0.00
08.12.20	0.43	---	24.70	25.16	21.38	21.65	3.33		3.51	---	---	63.00	52.06	10.94	---	0.39	0.39	---	24.00	0.00
09.12.20	0.47	---	24.41	24.92	21.01	21.30	3.40		3.62	---	---	67.01	54.46	12.55	---	0.39	0.39	---	24.00	0.00
10.12.20	0.47	---	23.72	24.24	20.56	20.86	3.15		3.38	---	---	69.27	56.11	13.16	---	0.39	0.39	---	24.00	0.00
11.12.20	0.45	---	23.68	24.14	20.26	20.53	3.42		3.61	---	---	64.54	52.53	12.01	---	0.38	0.38	---	24.00	0.00
12.12.20	0.48	---	24.42	24.92	20.78	21.07	3.64		3.85	---	---	66.63	54.31	12.32	---	0.39	0.39	---	24.00	0.00
13.12.20	0.49	---	25.27	25.76	21.13	21.41	4.14		4.35	---	---	64.26	52.92	11.34	---	0.39	0.39	---	24.00	0.00
14.12.20	0.44	---	24.06	24.51	20.53	20.78	3.54		3.73	---	---	63.03	51.63	11.40	---	0.39	0.39	---	24.00	0.00
15.12.20	0.48	---	24.99	25.45	20.69	20.95	4.30		4.50	---	---	62.84	51.84	11.00	---	0.39	0.39	---	24.00	0.00
16.12.20	0.50	---	24.44	24.95	20.70	20.99	3.74		3.96	---	---	67.13	54.25	12.88	---	0.39	0.39	---	24.00	0.00
17.12.20	0.48	---	24.23	24.77	20.93	21.24	3.30		3.53	---	---	69.29	56.50	12.79	---	0.39	0.39	---	24.00	0.00
18.12.20	0.45	---	24.59	25.04	20.74	21.00	3.85		4.04	---	---	62.91	51.99	10.92	---	0.39	0.39	---	24.00	0.00
19.12.20	0.49	---	25.86	26.34	21.27	21.55	4.59		4.79	---	---	63.04	52.40	10.64	---	0.39	0.39	---	24.00	0.00
20.12.20	0.48	---	25.44	25.91	21.17	21.44	4.27		4.47	---	---	63.22	52.47	10.75	---	0.39	0.39	---	24.00	0.00
21.12.20	0.43	---	25.26	25.73	21.86	22.14	3.40		3.59	---	---	63.09	52.41	10.68	---	0.39	0.39	---	24.00	0.00
22.12.20	0.49	---	25.23	25.71	20.82	21.09	4.41		4.62	---	---	63.89	52.59	11.30	---	0.39	0.39	---	24.00	0.00
	13.74	---	733.23	747.60	625.99	634.32	107.24	0.00	113.28	---	---								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	
,	118.16	131.90	13.74
,	---	---	---
,	7795.49	8528.72	733.23
,	6759.58	7385.57	625.99
() ,	---	---	---
,	7239.50	7959.50	720.00
max + T _{min} + T _{dt} + T ,	62.12	62.12	0.00
