

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

: 16 1-2

16 1-2 ,

: -9.2.1

: 00002721

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= 0,00 3/ G min= 0,00 3/ = 10000 /

	, 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	1.61	0.00	96.65	98.34	93.38	94.30	3.27		4.04	0.00	0.00	61.29	46.04	15.25	65.00	0.38	0.34	0.46	24.00	0.00	E
24.11.20	1.62	0.00	95.34	97.01	91.66	92.56	3.68		4.45	0.00	0.00	61.25	45.84	15.41	65.00	0.38	0.34	0.46	24.00	0.00	E
25.11.20	1.64	0.00	95.98	97.66	92.15	93.06	3.82		4.60	0.00	0.00	61.29	45.87	15.42	65.00	0.38	0.34	0.46	24.00	0.00	E
26.11.20	1.67	0.00	95.11	96.81	91.34	92.24	3.77		4.57	0.00	0.00	61.92	46.01	15.91	65.00	0.38	0.34	0.46	24.00	0.00	E
27.11.20	1.94	0.00	94.83	96.81	91.04	92.04	3.79		4.77	0.00	0.00	67.17	48.49	18.68	65.00	0.38	0.34	0.46	24.00	0.00	E
28.11.20	2.02	0.00	94.25	96.32	90.70	91.73	3.55		4.59	0.00	0.00	69.01	49.27	19.74	65.00	0.38	0.34	0.46	24.00	0.00	E
29.11.20	2.09	0.00	94.66	96.76	90.61	91.64	4.05		5.12	0.00	0.00	69.40	49.23	20.17	65.00	0.38	0.34	0.46	24.00	0.00	E
30.11.20	1.94	0.00	92.65	94.58	88.95	89.90	3.71		4.68	0.00	0.00	67.02	47.86	19.16	65.00	0.38	0.34	0.46	24.00	0.00	E
01.12.20	1.68	0.00	91.09	92.70	87.50	88.31	3.59		4.39	0.00	0.00	61.59	44.71	16.88	65.00	0.38	0.34	0.46	24.00	0.00	E
02.12.20	1.68	0.00	90.49	92.09	86.63	87.44	3.85		4.65	0.00	0.00	61.64	44.75	16.89	65.00	0.38	0.34	0.46	24.00	0.00	E
03.12.20	1.77	0.00	87.63	89.22	80.87	81.64	6.76		7.58	0.00	0.00	62.41	45.30	17.11	65.00	0.38	0.35	0.46	23.60	0.40	1,5,6,7,A,E,I,J
04.12.20	2.41	0.00	139.75	142.45	127.02	128.60	12.73		13.85	0.00	0.00	64.52	51.53	12.99	65.00	0.38	0.36	0.46	24.00	0.00	E
05.12.20	2.42	0.00	141.62	144.41	129.67	131.32	11.95		13.09	0.00	0.00	65.12	52.02	13.10	65.00	0.38	0.36	0.46	24.00	0.00	E
06.12.20	2.30	0.00	142.44	145.06	129.67	131.24	12.77		13.82	0.00	0.00	62.80	50.80	12.00	65.00	0.38	0.36	0.46	24.00	0.00	E
07.12.20	2.23	0.00	143.70	146.27	130.93	132.49	12.77		13.78	0.00	0.00	61.92	50.41	11.51	65.00	0.38	0.35	0.46	24.00	0.00	E
08.12.20	2.23	0.00	143.32	145.91	130.87	132.44	12.46		13.47	0.00	0.00	62.21	50.65	11.56	65.00	0.38	0.35	0.46	24.00	0.00	E
09.12.20	2.48	0.00	142.22	145.09	129.79	131.49	12.43		13.60	0.00	0.00	66.01	52.77	13.24	65.00	0.38	0.35	0.46	24.00	0.00	E
10.12.20	2.55	0.00	140.57	143.61	128.70	130.50	11.87		13.11	0.00	0.00	68.46	54.47	13.99	65.00	0.37	0.35	0.46	24.00	0.00	E
11.12.20	2.34	0.00	140.81	143.47	128.37	129.94	12.44		13.53	0.00	0.00	63.69	51.13	12.56	65.00	0.37	0.35	0.46	24.00	0.00	E
12.12.20	2.49	0.00	142.06	144.93	129.27	130.96	12.79		13.97	0.00	0.00	65.95	52.69	13.26	65.00	0.38	0.35	0.46	24.00	0.00	E
13.12.20	2.35	0.00	143.10	145.79	130.03	131.64	13.07		14.15	0.00	0.00	63.51	51.30	12.21	65.00	0.38	0.35	0.46	24.00	0.00	E
14.12.20	2.21	0.00	140.72	143.26	128.73	130.26	11.99		13.00	0.00	0.00	62.26	50.46	11.80	65.00	0.37	0.35	0.46	24.00	0.00	E
15.12.20	2.19	0.00	141.55	144.10	129.35	130.90	12.20		13.20	0.00	0.00	62.09	50.54	11.55	65.00	0.38	0.35	0.46	24.00	0.00	E
16.12.20	2.46	0.00	141.14	144.00	129.01	130.69	12.14		13.31	0.00	0.00	66.00	52.68	13.32	65.00	0.38	0.35	0.46	24.00	0.00	E
17.12.20	2.54	0.00	140.52	143.59	128.91	130.73	11.61		12.86	0.00	0.00	68.70	54.79	13.91	65.00	0.38	0.35	0.46	24.00	0.00	E
18.12.20	2.20	0.00	141.81	144.37	129.26	130.82	12.55		13.55	0.00	0.00	62.18	50.69	11.49	65.00	0.38	0.35	0.46	24.00	0.00	E
19.12.20	2.22	0.00	143.15	145.74	130.21	131.80	12.93		13.94	0.00	0.00	62.32	50.95	11.37	65.00	0.38	0.35	0.46	24.00	0.00	E
20.12.20	2.15	0.00	142.00	144.59	129.99	131.59	12.02		13.00	0.00	0.00	62.49	51.25	11.24	65.00	0.38	0.35	0.46	24.00	0.00	E
21.12.20	2.16	0.00	141.86	144.43	129.73	131.31	12.13		13.12	0.00	0.00	62.35	51.03	11.32	65.00	0.38	0.35	0.46	24.00	0.00	E
22.12.20	2.23	0.00	140.59	143.20	128.65	130.23	11.94		12.97	0.00	0.00	63.07	51.14	11.93	65.00	0.38	0.35	0.46	24.00	0.00	E
	63.82	0.00	3721.63	3792.59	3442.98	3483.82	278.65	0.00	308.76	0.00	0.00								719.60	0.40	

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

$$720.00 = 719.60 + 0.00 + 0.40 + 0.00 + 0.00$$

	24-00	24-00	
	330.91	394.73	63.82
	20.01	20.01	0.00
	25017.06	28738.69	3721.63
	23784.31	27227.29	3442.98
()	333.47	333.47	0.00
	7306.18	8025.78	719.60
max + T _{min} + T _{dt} + T	77.80	78.20	0.40

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

: 16 1-2

16 1-2 ,

: -9.2.1
: 00002721

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/ = 10 /
 = G max= 0,00 3/ G min= 0,00 3/ = 10000 /

	, 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	0.35	---	21.27	21.64	18.45	18.67	2.82		2.97	---	---	60.86	50.15	10.71	---	0.35	0.36	---	24.00	0.00
24.11.20	0.37	---	21.22	21.59	18.01	18.22	3.21		3.37	---	---	60.81	49.95	10.86	---	0.35	0.36	---	24.00	0.00
25.11.20	0.38	---	21.44	21.81	18.11	18.32	3.33		3.49	---	---	60.88	49.98	10.90	---	0.35	0.36	---	24.00	0.00
26.11.20	0.39	---	21.19	21.56	17.91	18.12	3.28		3.44	---	---	61.48	50.20	11.28	---	0.35	0.36	---	24.00	0.00
27.11.20	0.43	---	21.06	21.49	17.81	18.05	3.25		3.44	---	---	66.58	53.42	13.16	---	0.35	0.36	---	24.00	0.00
28.11.20	0.44	---	20.73	21.18	17.73	17.98	3.00		3.20	---	---	68.38	54.45	13.93	---	0.35	0.36	---	24.00	0.00
29.11.20	0.47	---	21.14	21.60	17.64	17.89	3.50		3.71	---	---	68.77	54.62	14.15	---	0.35	0.36	---	24.00	0.00
30.11.20	0.43	---	18.55	18.93	15.11	15.31	3.43		3.62	---	---	66.65	52.46	14.19	---	0.35	0.36	---	24.00	0.00
01.12.20	0.36	---	14.96	15.22	11.77	11.89	3.19		3.33	---	---	60.99	45.80	15.19	---	0.36	0.37	---	24.00	0.00
02.12.20	0.38	---	15.09	15.35	11.36	11.47	3.73		3.88	---	---	61.05	45.72	15.33	---	0.35	0.37	---	24.00	0.00
03.12.20	0.30	---	10.53	10.72	7.17	7.24	3.36		3.48	---	---	61.70	46.28	15.42	---	0.36	0.36	---	24.00	0.00
04.12.20	0.49	---	14.75	15.03	8.81	8.90	5.94		6.13	---	---	63.74	47.30	16.44	---	0.35	0.37	---	24.00	0.00
05.12.20	0.41	---	14.54	14.82	10.70	10.81	3.84		4.01	---	---	64.39	47.54	16.85	---	0.36	0.37	---	24.00	0.00
06.12.20	0.45	---	15.08	15.35	9.94	10.04	5.14		5.31	---	---	62.16	46.53	15.63	---	0.36	0.37	---	24.00	0.00
07.12.20	0.43	---	15.19	15.46	10.44	10.54	4.76		4.92	---	---	61.36	46.30	15.06	---	0.35	0.37	---	24.00	0.00
08.12.20	0.41	---	14.95	15.22	10.53	10.64	4.42		4.58	---	---	61.68	46.39	15.29	---	0.35	0.37	---	24.00	0.00
09.12.20	0.46	---	14.71	15.00	9.86	9.97	4.84		5.03	---	---	65.49	48.05	17.44	---	0.35	0.37	---	24.00	0.00
10.12.20	0.45	---	14.08	14.38	9.78	9.89	4.30		4.49	---	---	67.59	49.52	18.07	---	0.35	0.36	---	24.00	0.00
11.12.20	0.46	---	14.36	14.63	8.89	8.98	5.47		5.65	---	---	63.03	46.49	16.54	---	0.34	0.36	---	24.00	0.00
12.12.20	0.49	---	14.76	15.05	9.18	9.28	5.58		5.77	---	---	65.11	47.95	17.16	---	0.35	0.36	---	24.00	0.00
13.12.20	0.48	---	15.08	15.36	9.37	9.47	5.71		5.89	---	---	62.86	46.74	16.12	---	0.35	0.37	---	24.00	0.00
14.12.20	0.40	---	14.21	14.46	9.79	9.89	4.41		4.57	---	---	61.66	45.93	15.73	---	0.35	0.36	---	24.00	0.00
15.12.20	0.39	---	14.84	15.10	10.88	10.99	3.96		4.11	---	---	61.53	46.39	15.14	---	0.35	0.36	---	24.00	0.00
16.12.20	0.43	---	14.76	15.06	10.85	10.97	3.91		4.09	---	---	65.61	48.06	17.55	---	0.35	0.36	---	24.00	0.00
17.12.20	0.39	---	14.31	14.62	11.26	11.39	3.06		3.23	---	---	67.78	50.16	17.62	---	0.35	0.36	---	24.00	0.00
18.12.20	0.42	---	15.13	15.40	10.62	10.73	4.51		4.67	---	---	61.61	46.55	15.06	---	0.35	0.36	---	24.00	0.00
19.12.20	0.44	---	15.60	15.88	10.54	10.65	5.06		5.23	---	---	61.78	47.03	14.75	---	0.35	0.37	---	24.00	0.00
20.12.20	0.38	---	14.92	15.19	11.21	11.33	3.71		3.86	---	---	61.94	47.22	14.72	---	0.35	0.37	---	24.00	0.00
21.12.20	0.38	---	14.98	15.25	11.15	11.26	3.84		3.99	---	---	61.81	46.99	14.82	---	0.35	0.37	---	24.00	0.00
22.12.20	0.40	---	14.69	14.96	10.60	10.71	4.09		4.25	---	---	62.54	46.93	15.61	---	0.35	0.37	---	24.00	0.00
	12.47	---	488.15	497.31	365.49	369.60	122.66	0.00	127.71	---	---								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	
,	149.97	162.45	12.47
,	---	---	---
,	8749.84	9237.98	488.15
,	6932.21	7297.70	365.49
() ,	---	---	---
,	7383.80	8103.80	720.00
max + T _{min} + T _{dt} + T ,	0.00	0.00	0.00
