

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

33

: -9.2.1
: 00001103

1

1.3

T = 5,00 °C

= G max= 630,00 3/ G min= 1,40 3/ = 25 /
= G max= 630,00 3/ G min= 1,40 3/ = 25 /
= G max= 630,00 3/ G min= 0,00 3/ = 25 /

	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	14.43	0.00	487.44	500.65	462.82	468.67	24.61		31.97	0.00	0.00	78.19	50.94	27.25	50.91	0.42	0.38	0.39	24.00	0.00	2
24.11.20	15.35	0.00	492.52	506.87	468.26	474.45	24.25		32.42	0.00	0.00	81.12	52.33	28.79	52.31	0.42	0.38	0.39	24.00	0.00	2
25.11.20	15.81	0.00	495.99	511.05	471.63	478.12	24.37		32.92	0.00	0.00	82.89	53.44	29.45	53.38	0.42	0.38	0.39	24.00	0.00	2
26.11.20	15.22	0.00	484.93	498.80	461.25	467.22	23.68		31.57	0.00	0.00	80.52	51.44	29.08	51.40	0.42	0.38	0.39	24.00	0.00	2
27.11.20	17.44	0.00	486.59	502.90	463.61	470.35	22.98		32.55	0.00	0.00	87.88	54.43	33.45	54.38	0.42	0.38	0.39	24.00	0.00	2
28.11.20	18.57	0.00	486.29	503.62	460.68	467.45	25.61		36.17	0.00	0.00	90.65	55.15	35.50	55.12	0.42	0.38	0.39	24.00	0.00	2
29.11.20	19.92	0.00	494.55	513.55	468.62	475.90	25.93		37.65	0.00	0.00	94.35	56.87	37.48	56.84	0.43	0.38	0.39	24.00	0.00	2
30.11.20	19.47	0.00	493.13	511.92	470.27	477.47	22.86		34.45	0.00	0.00	93.76	56.76	37.00	56.73	0.43	0.39	0.39	24.00	0.00	2
01.12.20	19.27	0.00	513.49	532.85	493.09	501.20	20.40		31.65	0.00	0.00	93.63	58.30	35.33	58.26	0.43	0.38	0.39	24.00	0.00	2
02.12.20	19.10	0.00	525.91	545.40	504.52	513.12	21.39		32.27	0.00	0.00	93.05	59.00	34.05	58.93	0.43	0.38	0.39	24.00	0.00	2
03.12.20	17.95	0.00	525.04	542.75	501.89	509.90	23.15		32.85	0.00	0.00	88.57	56.72	31.85	56.66	0.43	0.38	0.39	24.00	0.00	2
04.12.20	19.12	0.00	525.96	545.30	503.46	511.82	22.50		33.47	0.00	0.00	92.48	58.48	34.00	58.44	0.43	0.38	0.39	24.00	0.00	2
05.12.20	19.81	0.00	522.30	542.45	498.39	506.75	23.91		35.70	0.00	0.00	94.61	59.24	35.37	59.20	0.43	0.38	0.39	24.00	0.00	2
06.12.20	19.29	0.00	524.75	544.35	499.88	508.27	24.87		36.07	0.00	0.00	93.12	58.99	34.13	58.93	0.43	0.38	0.39	24.00	0.00	2
07.12.20	17.63	0.00	527.12	544.95	505.64	513.77	21.48		31.17	0.00	0.00	88.50	57.24	31.26	57.18	0.43	0.38	0.39	24.00	0.00	2
08.12.20	16.08	0.00	518.93	534.52	495.20	502.60	23.74		31.92	0.00	0.00	83.27	54.59	28.68	54.50	0.42	0.37	0.39	24.00	0.00	2
09.12.20	17.03	0.00	481.43	497.35	455.26	462.05	26.17		35.30	0.00	0.00	87.36	54.74	32.62	54.83	0.41	0.37	0.39	24.00	0.00	2
10.12.20	19.88	0.00	448.27	467.27	410.91	417.82	37.36		49.45	0.00	0.00	99.42	59.72	39.70	59.72	0.42	0.36	0.39	24.00	0.00	2
11.12.20	20.38	0.00	560.32	584.00	535.54	546.55	24.77		37.45	0.00	0.00	99.47	65.88	33.59	65.13	0.42	0.37	0.39	24.00	0.00	2
12.12.20	20.00	0.00	666.54	692.57	645.18	659.47	21.36		33.10	0.00	0.00	95.85	67.94	27.91	67.89	0.42	0.37	0.39	24.00	0.00	2
13.12.20	19.14	0.00	670.85	695.40	645.84	659.52	25.01		35.87	0.00	0.00	92.49	66.31	26.18	66.20	0.42	0.37	0.39	24.00	0.00	2
14.12.20	17.82	0.00	673.87	697.27	653.99	667.00	19.88		30.27	0.00	0.00	89.38	64.74	24.64	64.70	0.42	0.37	0.39	24.00	0.00	2
15.12.20	16.86	0.00	675.33	697.35	654.44	666.85	20.88		30.50	0.00	0.00	86.27	63.14	23.13	63.07	0.42	0.37	0.39	24.00	0.00	2
16.12.20	17.31	0.00	639.27	660.30	615.39	626.70	23.88		33.60	0.00	0.00	86.67	61.77	24.90	61.68	0.41	0.37	0.39	24.00	0.00	2
17.12.20	21.28	0.00	674.93	704.32	655.34	670.57	19.59		33.75	0.00	0.00	100.53	71.01	29.52	70.94	0.42	0.37	0.39	24.00	0.00	2
18.12.20	16.46	0.00	670.49	691.87	649.65	662.02	20.84		29.85	0.00	0.00	85.55	62.85	22.70	62.71	0.42	0.37	0.39	24.00	0.00	2
19.12.20	14.60	0.00	657.92	675.70	632.64	642.97	25.28		32.72	0.00	0.00	78.17	58.05	20.12	57.99	0.42	0.37	0.39	24.00	0.00	2
20.12.20	14.12	0.00	638.55	654.97	611.82	621.57	26.73		33.40	0.00	0.00	76.56	56.64	19.92	56.54	0.41	0.37	0.39	24.00	0.00	2
21.12.20	15.01	0.00	640.87	658.92	617.45	627.52	23.41		31.40	0.00	0.00	79.71	58.27	21.44	58.25	0.41	0.37	0.39	24.00	0.00	2
22.12.20	17.40	0.00	647.72	669.27	625.58	637.22	22.13		32.05	0.00	0.00	87.22	62.37	24.85	62.27	0.41	0.37	0.39	24.00	0.00	2
	531.78	0.00	16851.29	17428.46	16138.26	16414.90	713.04	0.00	1013.57	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	
	1375.62	1907.40	531.78
	194.46	194.46	0.00
	57317.54	74168.83	16851.29
	51862.05	68000.31	16138.26
()	3012.15	3012.15	0.00
	5292.95	6012.95	720.00
max + T _{min} + T _{dt} + T	404.62	404.62	0.00

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

33

: -9.2.1
: 00001103

2

1.2

T = 5,00 °C

= G max= 7,00 3/ G min= 0,00 3/ = 10 /
= G max= 5,00 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	0.62	---	42.00	43.14	37.27	38.11	4.73		5.03	---	---	77.66	70.16	7.50	---	0.40	0.40	---	24.00	0.00
24.11.20	0.65	---	42.39	43.62	37.77	38.68	4.62		4.94	---	---	80.56	72.64	7.92	---	0.41	0.40	---	24.00	0.00
25.11.20	0.65	---	42.55	43.84	38.08	39.03	4.47		4.81	---	---	82.30	74.25	8.05	---	0.40	0.40	---	24.00	0.00
26.11.20	0.65	---	41.86	43.06	37.11	37.99	4.74		5.07	---	---	79.93	71.89	8.04	---	0.41	0.40	---	24.00	0.00
27.11.20	0.68	---	41.48	42.87	37.43	38.45	4.05		4.42	---	---	87.21	77.87	9.34	---	0.41	0.40	---	24.00	0.00
28.11.20	0.72	---	41.29	42.76	37.15	38.22	4.14		4.54	---	---	89.89	80.06	9.83	---	0.40	0.40	---	24.00	0.00
29.11.20	0.79	---	42.25	43.86	37.73	38.90	4.52		4.96	---	---	93.54	83.23	10.31	---	0.41	0.40	---	24.00	0.00
30.11.20	0.74	---	41.98	43.56	37.87	39.03	4.11		4.53	---	---	92.95	82.87	10.08	---	0.41	0.40	---	24.00	0.00
01.12.20	0.75	---	43.93	45.59	39.78	41.01	4.16		4.58	---	---	92.89	83.32	9.57	---	0.41	0.40	---	24.00	0.00
02.12.20	0.72	---	44.89	46.56	40.94	42.21	3.94		4.35	---	---	92.37	83.27	9.10	---	0.41	0.40	---	24.00	0.00
03.12.20	0.71	---	45.10	46.64	40.74	41.89	4.36		4.75	---	---	87.97	79.49	8.48	---	0.41	0.40	---	24.00	0.00
04.12.20	0.76	---	45.61	47.29	41.10	42.35	4.51		4.94	---	---	91.78	82.72	9.06	---	0.41	0.40	---	24.00	0.00
05.12.20	0.78	---	45.28	47.02	40.84	42.14	4.44		4.88	---	---	93.89	84.47	9.42	---	0.41	0.40	---	24.00	0.00
06.12.20	0.78	---	45.77	47.48	41.09	42.36	4.68		5.12	---	---	92.43	83.43	9.00	---	0.41	0.40	---	24.00	0.00
07.12.20	0.70	---	46.02	47.59	41.71	42.90	4.31		4.69	---	---	87.91	79.72	8.19	---	0.41	0.40	---	24.00	0.00
08.12.20	0.67	---	45.57	46.96	40.88	41.93	4.69		5.03	---	---	82.76	75.36	7.40	---	0.40	0.39	---	24.00	0.00
09.12.20	0.52	---	32.65	33.63	28.03	28.76	4.62		4.87	---	---	81.81	75.75	6.06	---	0.38	0.38	---	24.00	0.00
10.12.20	0.25	---	5.10	5.17	0.01	0.01	5.09		5.16	---	---	54.65	36.46	18.19	---	0.34	0.36	---	24.00	0.00
11.12.20	0.54	---	23.11	23.99	18.39	19.00	4.72		4.99	---	---	92.82	85.93	6.89	---	0.37	0.37	---	24.00	0.00
12.12.20	0.79	---	45.24	47.02	40.90	42.22	4.34		4.80	---	---	95.15	85.47	9.68	---	0.40	0.39	---	24.00	0.00
13.12.20	0.82	---	46.07	47.77	40.82	42.07	5.25		5.70	---	---	91.82	82.97	8.85	---	0.40	0.39	---	24.00	0.00
14.12.20	0.73	---	46.00	47.60	41.39	42.59	4.62		5.01	---	---	88.74	80.41	8.33	---	0.40	0.39	---	24.00	0.00
15.12.20	0.73	---	46.40	47.91	41.38	42.51	5.02		5.40	---	---	85.70	77.91	7.79	---	0.40	0.39	---	24.00	0.00
16.12.20	0.70	---	43.43	44.86	38.93	39.99	4.50		4.87	---	---	85.92	77.37	8.55	---	0.39	0.39	---	24.00	0.00
17.12.20	0.82	---	45.75	47.72	41.47	42.95	4.28		4.77	---	---	99.69	89.67	10.02	---	0.40	0.39	---	24.00	0.00
18.12.20	0.66	---	45.53	46.99	41.15	42.26	4.38		4.73	---	---	84.99	77.38	7.61	---	0.40	0.39	---	24.00	0.00
19.12.20	0.69	---	45.66	46.91	39.91	40.83	5.75		6.08	---	---	77.70	70.92	6.78	---	0.40	0.39	---	24.00	0.00
20.12.20	0.64	---	43.90	45.05	38.64	39.50	5.26		5.55	---	---	76.11	69.34	6.77	---	0.39	0.39	---	24.00	0.00
21.12.20	0.71	---	44.51	45.77	38.85	39.77	5.67		6.00	---	---	79.20	71.85	7.35	---	0.40	0.39	---	24.00	0.00
22.12.20	0.71	---	44.07	45.54	39.59	40.68	4.49		4.86	---	---	86.56	77.97	8.59	---	0.40	0.39	---	24.00	0.00
	20.69	---	1255.38	1297.77	1116.91	1148.33	138.47	0.00	149.44	---	---								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	
,	95.16	115.85	20.69
,	---	---	---
,	5474.05	6729.43	1255.38
,	4278.16	5395.07	1116.91
() ,	---	---	---
,	5695.92	6415.92	720.00
max + T _{min} + T _{dt} + T ,	0.00	0.00	0.00
