



ORKUSTOFNUN

22

NÓVEMBER 1971

ORKUMÁL

Raforkuvinnsla janúar-september 1971

Raforkuver landsins 1970



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Ritstjóri : Rútur Halldórsson

NOVEMBER 1971

ORKUMÁL

Generation of Electricity
January-September 1971

The Electricity Industry in 1970

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Raforkuvinnslan janúar-september 1971

Á timabilinu janúar-september 1971 var raforkuvinnslan hjá almenningsorkuverum landsins alls 1.161 GWh og hafði aukizt um 10,3% frá sama tímabili á fyrra ári. Stórnokun var 672 GWh og hafði aukizt um 11,5% en almenn notkun varð 489 GWh og jókst um 8,8%. Almenn raforkunotkun á sam tengdu Sogssvæði var 333 GWh og jókst um 8,1%. Suðvesturland með stórnokun var með alls 1013 GWh eða 10,3% aukningu. Norðvesturland var með 19 GWh eða 5,0% aukningu. Norðurland var með 106 GWh eða 11,8% aukningu, og Austurland var með 22 GWh eða 7,9% aukningu. Eftir ársfjórðungum 1971 var raforkuvinnslan sem hér segir: fyrsti ársfjórðungur var með 411 GWh, 19,0% aukning, annar ársfjórðungur 375 GWh, 8,5% aukning; og þriðji ársfjórðungur 375 GWh eða 3,7% aukningu.

Raforkuver landsins 1970

Í árslok 1970 var uppsett afl í almenningsorkuverum landsins alls 334.097 kW og hafði aukizt eingöngu um 921 kW á árinu, mest allt smáaukningar í ýmsum dísilafsstöðvum. Vatnsafsstöðvar voru 243.754 kW að stærð eða 72,9% af heildinni. Varmaafsstöðvar voru 90.343 kW eða 27,1%. Meirihluti afslsins, 273.675 kW eða 81,9%, var á sam tengda Sogssvæðinu.

Á árinu 1970 framleiddu raforkuver landsins alls 1460 GWh, þar af 1413 GWh eða 96,8% í vatnsafsstöðvum, en 47 GWh eða 3,2% í varmaafsstöðvum. Tæpur helmingur raforkunnar, 724 GWh eða 49,5%, var unninn í Búrfells-virkjun, en á öllu Sogssvæðinu nam vinnslan 1.262 GWh eða 86,3%. Orkuvinnslan jókst alls um 61,7%, þ.e.a.s. um 64,3% í vatnsafsstöðvum og 9,8% í varmaafsstöðvum. Orkuvinnsla jarðvarmasteðvarinnar við Námafjall óx úr 2 GWh árið 1969 upp í 12 GWh árið 1970. Orkuvinnsla varmaafsstöðva, er byggja á innfluttri oliu, drógst saman um 6 GWh eða um 14,4%. Stórnokun óx úr 299 GWh upp í 827 GWh en almenn orkunotkun

óx úr 604 GWh í 634 GWh eða um 4,9%. Af stórnokuninni var stærstur þáttur Álverksmiðjunnar eða 645 GWh um 44,2% af heildarorkunni. En árið 1970 var fyrsta heildar starfsár Álverksmiðjunnar. Áburðarverksmiðajn notaði 116 GWh á árinu sem samsvaraði 82,7% aukningu frá fyrra ári. Sementsverksmiðjan notaði 11 GWh og var þar samdráttur um 13,6%. Keflavíkurflugvöllur var með 55 GWh eða 4,9% aukningu. Þess ber að geta að í öllum ofangreindum tölum um stórnokun eru flutningstöp meðtalin, frá 5 til 10%.

Einkarafstöðvum hefur frekar fækkað en hitt. Vatnsaflsstöðvar eru með 3.382 kW í uppsettum afli en varmaaflsstöðvar 17.022 kW eða samtals 20.404 kW. Meðalstærð rafstöðvanna eru tæp 18 kW, þar sem fjöldi einkastöðva er nú alls 1139, þar af eru í eigu bænda 927 stöðvar með alls 6.526 kW í uppsettum afli eða rúm 7 kW á stöð. Flestar stöðvanna, fyrir utan þær sem eru í eigu bænda, eru varastöðvar.

Rútur Halldórsson

Raforkuvinnsla janúar-september 1971
Generation of Electricity January-September 1971

ORKUVINNSLA JANÚAR - SEPTEMBER 1971

GENERATION OF ELECTRICITY JANUARY - SEPTEMBER 1971

Orkusvæði/Interconnected districts	1 9 7 1	1 9 7 0	Aukning/ Increase
	MWh	MWh	%
Sogssvæði ¹⁾	1.005.120	910.867	10,3
Snæfellsnes	8.008	7.482	7,0
Kirkjubæjarklaustur	230	.	.
Suðvesturland alls ²⁾	1.013.358	918.349	10,3
Búðardalur	977	777	25,7
Flatey	18	14	28,6
Vestfirðir	15.879	15.313	3,7
Mýraá	186	177	5,1
Þverárvæði	2.199	2.061	6,7
Norðvesturland alls	19.259	18.342	5,0
Norðurland vestra	12.314	10.814	13,9
Skeiðsfoessvæði	7.734	7.532	2,7
Grímsey	125	124	0,8
Laxárvæði	84.992	75.574	12,5
Þórshöfn	832	765	8,8
Norðurland alls	105.997	94.809	11,8
Bakkafjörður	71	59	20,3
Yopnafjörður	1.140	1.107	3,0
Grímsárvæði	17.311	16.224	6,7
Djúpivogur	578	456	26,8
Smyrlabjargarárvæði	3.257	2.874	13,3
Austurland alls	22.357	20.720	7,9
Landið alls ³⁾	1.160.971	1.052.220	10,3
1) Sogssvæði án stórnótkunar	333.051	308.090	8,1
2) Suðvesturland án stórnótkunar	341.289	315.572	8,1
3) Landið alls án stórnótkunar	488.902	449.443	8,8
Stórnótkun alls	672.069	602.777	11,5

ORKUVINNSLA ÞRIÐJA ÁRSFJÓRDUNG 1971

GENERATION OF ELECTRICITY THIRD QUARTER 1971

Orkusvæði/Interconnected districts	1 9 7 1	1 9 7 0	Aukning/ Increase
	MWh	MWh	%
Sogssvæði ¹⁾	326.602	315.904	3,4
Snæfellsnes	2.559	2.355	8,7
Kirkjubæjarklaustur	96	.	.
Suðvesturland alls ²⁾	329.257	318.259	3,4
Búðardalur	313	266	17,7
Flatey	6	3	.
Vestfirðir	5.004	4.948	1,1
Mýraá	60	63	+ 4,5
Þverárvæði	648	687	+ 5,7
Norðvesturland alls	6.031	5.967	1,1
Norðurland vestra	4.277	3.591	19,1
Skeiðsfosssvæði	2.455	2.473	+ 0,7
Grímsey	33	39	+ 15,4
Laxárvæði	25.348	24.312	4,3
Þórshöfn	335	296	13,2
Norðurland alls	32.448	30.711	5,7
Bakkafjörður	24	21	14,3
Vopnafjörður	397	365	8,8
Grímsárvæði	5.402	4.871	10,9
Djúpivogur	152	123	23,6
Smyrlabjargaárvæði	971	856	13,4
Austurland alls	6.946	6.236	11,4
Landið alls ³⁾	374.682	361.173	3,7
1) Sogssvæði án stórnokunar	97.743	90.333	8,2
2) Suðvesturland án stórnokunar	100.398	92.688	8,3
3) Landið alls án stórnokunar	145.823	135.602	7,5
Stórnokun alls	228.859	225.571	1,5

MÁNAÐARLEG ORKUVINNSLA ÞRIDJA ÁRSFJÓRDUNG 1971, MWh

MONTHLY GENERATION OF ELECTRICITY THIRD QUARTER 1971, MWh

Stöðvar/Plants	Júlí	Agúst	September	Alls/Total	3. ársfj. 3. quarter 1970	Aukning/ Increase %
<u>VATNSAFL/HYDRO</u>						
Búrfell	63.600	67.598	65.856	197.054	186.039	5,9
Steingrímsstöð	11.312	10.898	11.574	33.784	33.910	+ 0,4
Irafoss	20.596	19.586	21.253	61.435	62.179	+ 1,2
Ljósafoss	9.285	9.245	9.628	28.158	27.476	2,5
Ellíðaár	-	-	-	-	5	.
Andakíll	1.795	1.896	2.354	6.045	5.896	2,5
Rjókandi	637	592	578	1.807	1.671	8,1
Mjólká	836	776	845	2.457	2.754	+10,8
Reiðhjalli	277	261	289	827	710	16,5
Fossav. & Nónh.v.	584	559	521	1.664	1.361	22,3
Pverá	201	215	232	648	687	+ 5,7
Laxárvatn	345	389	478	1.212	1.018	19,1
Gönguskarðsá	601	529	667	1.797	1.868	+ 3,8
Skeiðsfoss	671	692	732	2.095	2.119	+ 1,1
Laxá	7.604	8.091	8.472	24.167	21.640	11,7
Grímsá	1.464	1.442	1.529	4.435	4.022	10,3
Smyrlabjargaá	276	334	353	963	822	17,2
Aðrar/Others (4)	348	362	339	1.049	1.061	+ 1,1
Alls vatn/ Total Hydro	120.432	123.465	125.700	369.597	355.238	4,0
<u>VARMAAFL/THERMAL POWER</u>						
<u>JARDVARMÍ/GEOTHERMAL</u>						
Námafjall	-	-	-	-	1.889	.
<u>GUFU AFL/STEAM</u>						
Ellíðaár	-	-	-	-	148	.
<u>GASAFL/GAS</u>						
Straumsvík	1	14	-	15	69	.
<u>DISILAFL/DIESEL</u>						
Vestmannaeyjar	56	16	39	111	182	+39,0
Aðrar/Others	1.109	1.823	2.027	4.959	3.647	36,0
Alls varmi/ Total Thermal	1.166	1.853	2.066	5.085	5.935	+14,3
Samtals/Grand Total	121.598	125.318	127.766	374.682	361.173	3,7

OTKUVINNSLA OG STÓRNOTKUN Á S. V. LANDI ÞRIDJA ÁRSFJÓRDUNG 1971, MWh

GENERATION OF ELECTRICITY AND SUBDIVISION OF LOAD

IN S. W. ICELAND THIRD QUARTER 1971, MWh

Stöðvar/Plants	Júlf	Águst	September	Alls/Total	3. ársfj. 3. quarter 1970	Aukning/ Increase %
Búrfell	63.600	67.598	65.856	197.054	186.039	5,9
Steingrimsstöð	11.312	10.898	11.574	33.784	33.910	± 0,4
Írafoss	20.596	19.586	21.253	61.435	62.179	± 1,2
Ljósafoss	9.285	9.245	9.628	28.158	27.476	2,5
Elliðaár	-	-	-	-	5	.
Andakíll	1.795	1.896	2.354	6.045	5.896	2,5
Alls vatnsafl/ Total Hydro	106.588	109.223	110.665	326.476	315.505	3,5
Elliðaár, varastöð/ Steam	-	-	-	-	148	.
Straumsvík, varast./ Gas	1	14	-	15	69	.
Vestmannaeyjar/Diesel	56	16	39	111	182	± 39,0
Vík í Myrdal/Diesel	-	-	-	-	-	-
Alls/samtengt/ Total Interconnected	106.645	109.253	110.704	326.602	315.905	3,4
<u>- Stórnotkun/ Less Special Load</u>	<u>75.838</u>	<u>77.577</u>	<u>75.444</u>	<u>228.859</u>	<u>225.571</u>	<u>1,5</u>
Alverksmiðjan ¹⁾ / Aluminium Reduction Plant	60.136	59.902	58.160	178.198	176.112	1,2
Áburðarverksmiðjan ²⁾ / Fertilizer Plant	9.936	11.191	11.128	32.255	32.378	± 0,4
Sementsverksmiðjan ³⁾ / Cement Plant	1.141	1.382	1.283	3.806	3.657	4,1
Keflavíkurflugvöllur/ Keflavík Airport	4.625	5.102	4.873	14.600	13.424	8,8
Almenn notkun/ Interconnected General Load	30.807	31.676	35.260	97.743	90.334	8,2
<u>Snæfellsnes</u>	<u>880</u>	<u>861</u>	<u>818</u>	<u>2.559</u>	<u>2.354</u>	<u>8,7</u>
Rjúkandi/Hydro	637	592	578	1.807	1.671	8,1
Aðrar/Others (2) Diesel	243	269	240	752	683	10,1
Kirkjubæjarklaustur	34	30	32	96	-	.
Alls almenn notkun/ Total General Load	31.721	32.567	36.110	100.398	92.688	8,3
Alls orkuvinnsla á Suðvesturlandi/ Total Generation in SW Iceland	107.559	110.144	111.554	329.257	318.259	3,5

1) + 5% flutningstöp / + 5% Transmission Losses

2) + 7% " / + 7% "

3) + 10% " / + 10% "

Raforkuver landsins 1970
The Electricity Industry in 1970

RAFVÆÐING ÍSLANDS
i árslok 1970

The Degree of Electrification in Iceland
31. 12. 1970

Almenningarsvæðir / Public Utilities
Byggð svæði / Populated Districts
Rafvædd svæði / Electrified Districts
Órafvædd svæði¹⁾ / Non-electrified Districts
1) Um 1100 byli með eigin smalstofvar
2) Ca 1100 farms with own small plants



T A F L A 1,1

AFL, MESTA ÁLAG OG ORKUVINNSLA

PUBLIC POWER PLANTS

Nr.	Stöðvar/Plants	Astimplað afl Installed capacity 31.12. 1970		Mesta álag á árinu Max. load	Orkuvinnsla				
		kW	%		kW	MWh	MWh	MWh	MWh
<u>VATNSAFL/HYDRO:</u>									
1.1	Búrfell	120 000	35,9	114.000	55.066	52.618	55.171	57 446	55 324
2	Steingrímsstöð	26 400	7,9	27 400	11 477	10 635	11 995	10 680	12 692
3	Irafoss	47 800	14,3	48 000	20 694	18 139	21 698	20 661	23 727
4	Ljósafoss	14 600	4,4	16 200	9 434	8 060	9 716	9 271	10 358
5	Ellíðaár	3 160	0,9	1 600	76	92	128	147	28
6	Andakíll	3 520	1,1	...	2 238	1 677	2 336	2 502	2 641
7	Rjúkandi	840	0,3	997	572	522	578	532	490
8	Mjólká	2 400	0,7	2 493	1 017	735	837	727	846
9	Reiðhjalli	400	0,1	426	163	135	122	113	210
10	Fossav. og Nónh.v.	1 160	0,3	...	120	82	80	121	446
11	Mýraá	60	0,0	63	23	17	18	15	22
12	Bverá	1 736	0,5	652	278	239	240	217	215
13	Laxárvatn	480	0,1	491	327	302	337	336	347
14	Gönguskarðsá	1 064	0,3	1 192	545	357	486	437	601
15	Skeiðsfoss	3 200	1,0	2 460	936	511	235	241	603
16	Garðsá	174	0,1	182	57	58	51	46	113
17	Laxá	12 560	3,8	13 000	8 048	7 635	8 160	6 926	6 703
18	Fjarðará	160	0,0	162	98	64	72	52	113
19	Grímsá	2 800	0,8	3.181	1 201	853	484	767	1 327
20	Búðará	240	0,1	...	102	81	58	52	97
21.	Smyrlabjargaá	1 000	0,3	1 122	295	253	386	390	254
	Alls/Total	243 754	72,9	.	112 767	103 165	113 188	111 679	117 157
<u>VARMÍ/THERMAL:</u>									
	JARÐVARMÍ/ GEO THERMAL								
2.1	Námafjall	2 625	0,8	...	1 277	1 180	1 139	1 243	673
	SUFU AFL/STEAM								
2	Ellíðaár	19 000	5,7	17 600	3	66	34	136	109
	GASAFL/GAS								
3	Straumsvík	35 000	10,5	25 300	381	49	13	113	37
	DÍSILAFL/DIESEL:								
4	Vestmannaeyjar	3 927	1,2	3 850	41	89	383	445	49
5	Aðrar/Others (37)	29 791	8,9	.	2 998	3 501	5 247	4 164	1 172
	Alls/Total	90 343	27,1	.	4 700	4 885	6 816	6 101	2 040
	Samtals Grand Total	334 097	100,0	.	117 467	108 050	120 004	117 780	119 197

8,1 7,4 8,2 8,1 8,2

Aukn. f.f. ári í %/Increase

76,9 79,5 84,4 100,6 115,3

ALMENNINGSRAFSTÖÐVA 1970

IN 1970

Generation, 1970								Aukn. vinnsl In- crease 1969/ 70	Nýting artími Utiliza- tion hrs.	Nr.	
Júní	Júlí	Ágúst.	Sept.	Okt.	Nóv.	Des.	Alls/Total	MWh	%	%	
MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh		h	
53 419	59 386	62 093	64 560	67 800	66 792	73 925	723 600	49,5	.	6 347	1.
10 865	11 782	11 414	10 714	12 034	11 613	12 150	138 051	9,5	3,6	5 038	2.
20 319	21 535	21 179	19 465	22 765	21 410	23 268	254 860	17,4	+ 2,2	5 310	3.
8 874	9 360	9 222	8 894	10 188	9 262	9 956	112 595	7,7	0,1	6 950	4.
-	5	-	-	24	59	132	691	0,0	+ 73,0	432	5.
2 717	1 932	2 111	1 853	2 484	2 049	2 567	27 107	1,9	+ 5,2	7 133	6.
493	587	547	537	566	582	595	6 601	0,5	7,5	6 621	7.
840	848	904	1 002	1 137	1 185	1 275	11 353	0,8	+ 0,6	4 554	8.
234	240	247	223	278	270	264	2 499	0,2	+ 3,7	5 866	9.
533	863	435	363	399	167	313	3 622	0,2	6,4	...	10.
19	20	20	23	22	24	29	252	0,0	+ 6,7	4 000	11.
185	215	236	236	273	270	293	2 897	0,2	4,2	4 443	12.
341	345	339	334	334	328	353	4 023	0,3	17,3	8 193	13.
504	598	605	665	744	632	640	6 814	0,5	7,0	5 716	14.
489	688	684	747	800	759	854	7 547	0,5	+ 6,8	3 068	15.
107	123	124	107	127	117	128	1 158	0,1	+ 1,8	6 363	16.
5 859	7 240	7 311	7 089	8 127	8 327	8 570	89 995	6,2	2,3	6 923	17.
112	119	121	115	116	102	107	1 191	0,1	11,7	7 307	18.
1 192	1 369	1 372	1 281	1 319	774	1 348	13 287	0,9	16,9	4 177	19.
96	99	100	90	97	87	81	1 040	0,1	6,4	...	20.
254	258	257	307	323	360	330	3 767	0,2	.	3 357	21.
107 452	117 312	119 321	118 605	129 957	125 169	137 178	1412 950	96,8	64,3	.	
-	-	398	1 491	1 538	1 491	1 661	12 091	0,8	.	...	2. 1
41	148	-	-	-	1 077	228	1 842	0,1	+ 79,8	105	2
-	21	48	-	9	1 334	27	2 032	0,1	96,1	80	3
53	79	34	69	50	154	63	1 509	0,1	30,8	392	4
1 003	1 165	1 190	1 292	2 062	3 133	3 060	29 987	2,1	+ 0,1	.	5
1 097	1 413	1 670	2 852	3 659	7 189	5 039	47 461	3,2	9,8	.	
108 549	118 725	120 991	121 457	133 616	132 358	142 217	1460 411	100,0	61,7	.	

7,4 8,1 8,3 8,3 9,1 9,1 9,7 100,0%

115,6 91,5 85,8 43,9 24,3 20,0 20,6 61,7

T A F L A 1.11

AFL, MESTA ÁLAG OG ORKUVINNSLA DÍSILAFLSSTÝDVA 1970

DIESEL POWER PLANTS

Nr.	Stöðvar/Plants	Ast. afl í árlag árs- lok	Mesta álag á ár- inu	Orkuvinnsla / Generation														
				Inst. capac. kW	Max. Load kW	Jan.	Feb.	Mar.	Apríl	Maf	Júní	Júlf	Ag.	Sept.	Okt.	Nóv.	Des.	Alls/Total
						MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh	MWh
1.	Kirkjubæjarklaustur	180	-	-	-	.	.	.	.	.	.	.	.	.	.	.	.	.
2.	Vík í Mýrdal	268	...	-	0	0	0	-	-	0	0	1	0	0	0	0	0	1
3.	Ólafsvík	1 200	...	62	64	124	138	12	26	42	62	65	60	95	82	832		
4.	Stykkishólmur	690	722	294	263	282	242	220	213	170	164	180	243	209	281	2 761		
5.	Búðardalur	475	343	101	84	89	81	66	90	87	89	90	120	109	125	1 131		
6.	Neðri-Brunná	85	...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Flatey	43	...	3	3	2	1	1	1	1	1	1	3	2	3	22		
8.	Fatreksfjörður	480	...	-	-	-	-	-	-	0	3	1	15	-	23	42		
9.	Sveinseyri	150	...	-	-	17	9	-	-	2	2	1	0	0	0	31		
10.	Bíldudalur	280	...	97	153	171	172	16	-	11	3	0	1	-	0	624		
11.	Þingeyri	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.	Flateyri	730	...	319	316	278	367	53	8	40	9	13	12	20	11	1 446		
13.	Suðureyri	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.	Ísafjörður	890	...	195	250	308	248	25	2	21	13	4	11	147	100	1 324		
15.	Súðavík	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.	Drangsnes	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.	Laxárvatn	1 500	...	82	83	43	67	144	22	10	19	19	104	86	128	807		
18.	Skagaströnd	200	...	-	-	-	-	-	-	-	-	-	-	2	1	3		
19.	Sauðárkrúkur	1 200	...	446	496	409	323	43	145	166	215	276	365	403	483	3 770		
20.	Siglufjörður	1 500	...	-	300	621	560	94	37	-	-	-	-	-	13	1 625		
21.	Grímsey	92	62	15	13	16	13	16	12	12	15	12	13	17	15	169		
22.	Hrísey	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.	Akureyri	7 500	6400	428	295	337	24	10	2	79	34	15	258	542	632	2 656		
24.	Húsavík	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.	Kópasker	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.	Raufarhöfn	905	709	263	223	245	213	203	176	204	222	229	266	286	332	2 862		
27.	Bórhöfn	460	292	84	73	80	75	80	77	82	108	106	99	.92	91	1 047		
28.	Bakkafjörður	112	35	9	6	6	6	5	6	7	7	7	8	7	9	83		
29.	Vopnafjörður	1 230	...	139	124	133	130	103	113	130	119	116	150	136	136	1 529		
30.	Bakkagerði	124	...	5	-	-	2	-	-	1	-	-	3	0	-	11		
31.	Seyðisfjörður	3 200	...	300	350	835	733	12	25	25	20	18	241	541	230	3 330		
32.	Neskaupstaður	2 988	...	90	341	1060	540	12	16	16	17	55	14	335	252	2 748		
33.	Reykðarfjörður	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34.	Fáskrúðsfjörður	856	86	7	13	92	90	9	0	18	1	34	17	46	29	356		
35.	Stöðvarfjörður	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.	Djúpivogur	510	256	54	49	85	68	45	32	38	44	41	50	56	74	636		
37.	Höfn í Hornafirði	690	684	5	2	14	62	3	-	3	23	8	9	2	10	141		
	Alls/Total	29791		2998	3501	5247	4164	1172	1003	1165	1190	1292	2062	3133	3060	29 987		

T A F L A 1.12

MESTA MÁNAÐARLEGT ÁLAG ALMENNINGSRAFSTÖÐVA 1970

MONTHLY MAXIMUM LOAD

T A F L A 1.2

AFL OG ORKUVINNSLA

PUBLIC POWER PLANTS

Nr.	Landshlutar/Areas	Ibúar Population		Astimplað afl/Installed capacity					
				Vatn Hydro	Varmi/ Thermal	Alls/Total		Aukn. Incr. 69/70	kW/íbúa
		1000	%	kW	kW	kW	%	%	kW/capita
0	1	2	3	4	5	6	7	8	9
1.	Suðvesturland/The South West	148,7	73,1	216 320	60 265	276 585	82,8	0,1	1,9
2.	Norðvesturland/The North West	11,3	5,6	5 756	3 594	9 350	2,8	1,5	0,8
3.	Norðurland/The North	32,1	15,8	17 478	16 634	34 112	10,2	1,5	1,1
4.	Austurland/The East	11,3	5,5	4 200	9 850	14 050	4,2	0,6	1,2
	Samtals/Grand Total	203,4	100,0	243 754	90 343	334 097	100,0	0,3	1,6

1) Um 97% þjóðarinnar hafa rafmagn frá almenningsrafstöðvum, en 2% frá einkarafstöðvum; 1/2% er án rafmagns.

ca. 97% of the population have access to electricity from public utilities, 2% from private plants; 1/2% is without access to electricity.

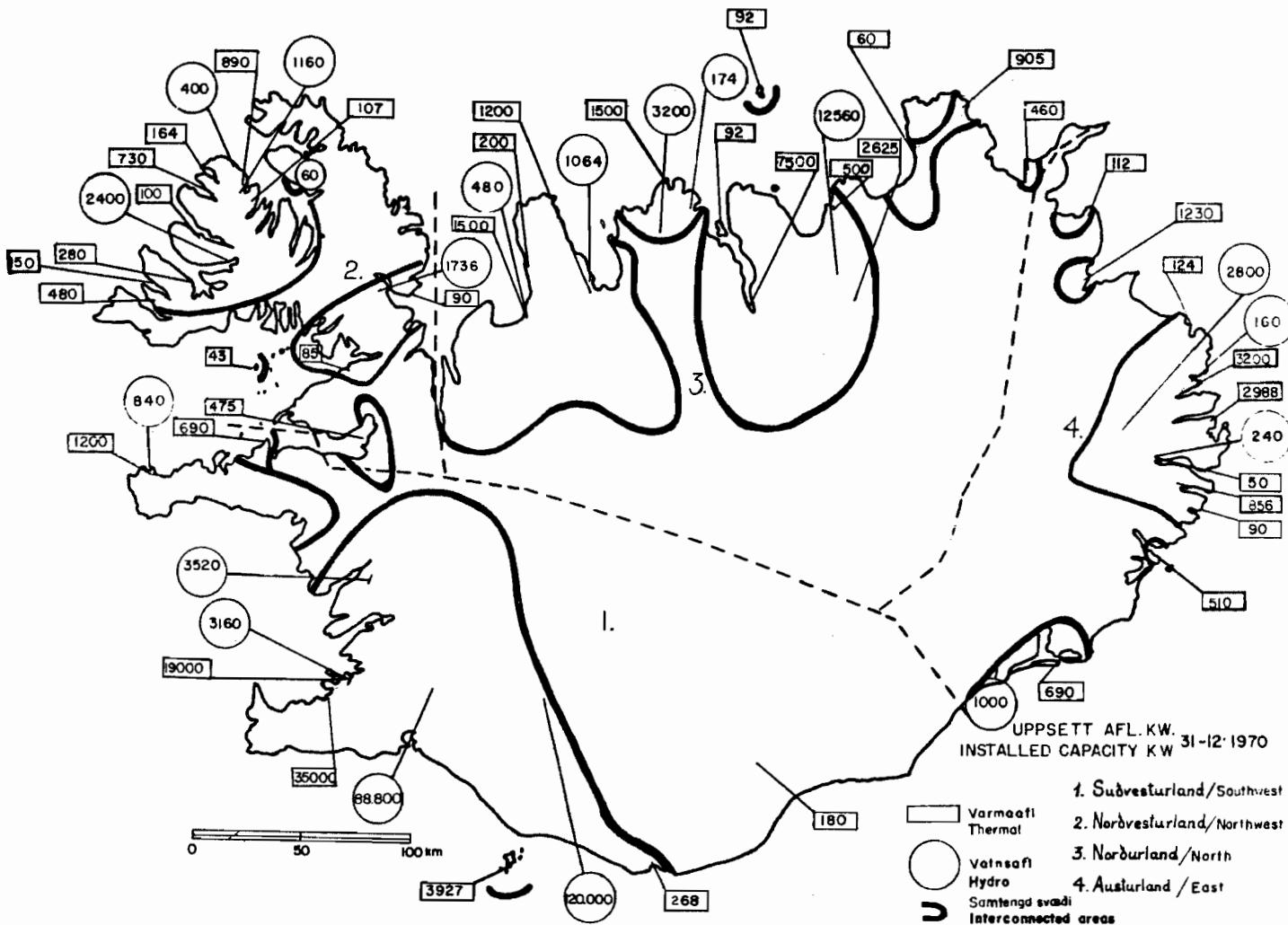
3) Stórnottkun/Special load	MWh	% af heild % of total
Alverksmiðjan/Aluminium Reduction Plant	644 711	44,1
Aburðarverksmiðjan/Fertilizer Plant	115 911	7,9
Sementsverksmiðjan/Cement Plant	11 309	0,8
Keflavíkurflugvöllur/Keflavík Airport (NATO-Base)	54 970	3,8
(Flutningstöp innifalin/Transmission losses included)		
Alls/Total	826 901	56,6

4) Heildarnottkun/Total gross consumption
kWh/íbúa kWh/capita 7 180

EFTIR LANDSHLUTUM 1970

ACCORDING TO AREAS

Orkuvinnsla/Gereration					Frá einkast From Pr.Pl	Orka alls Total Energy	-Stórnokt. Less Special Load	Alm.notkun/Ord. Load				
Vatn/ Hydro	Varmi/ Thermal	Alls/Total		Aukn. Incr. 69/70						Aukn. Incr. 69/70	kWh/íbúa	
Mwh	MWh	MWh	%	%	MWh	MWh	MWh	MWh	%	%	kWh/capita	
10	11	12	13	14	15	16	17	18	19	20	21	
1.263.505	8 977	1 272 482	87,2	73,6	-	1 272 482	826 901	445 581	70,4	2,8	2 997	
20 623	4 620	25 243	1,7	7,5	-	25 243	-	25 243	4,0	7,5	2 234	
109 537	25 030	134 567	9,2	10,3	-	134 567	-	134 567	21,2	10,3	4 192	
19 285	8 834	28 119	1,9	12,6	-	28 119	-	28 119	4,4	12,6	2 488	
1 412 950	47 461	1 460 411	100,0	61,7	-	1 460 411	826 901	633 510	100,0	4,9	3 115	



AFL OG ORKUVINNSLA Á SUÐVESTURLANDI 1970

INSTALLED CAPACITY AND GENERATION IN THE SOUTH WEST

Nr.	Rafstöðvar/Plants	Eigendur/ Ownership	Astimplað afl/ Installed capacity/kW			Orkuvinnsla/Generation/MWh		
			Vatn/ Hydro	Varmi/ Thermal	Alls/ Total	Vatn/ Hydro	Varmi/ Thermal	Alls/ Total
0	1	2	3	4	5	6	7	8
1.	Búrfell	Ríki og bær ²⁾	120.000	-	120.000	723.600		723.600
2.	Steingrimsstöð	"	26.400	-	26.400	138.051	-	138.051
3.	Írafoss	"	47.800	-	47.800	254.860	-	254.860
4.	Ljósafoss	"	14.600	-	14.600	112.595	-	112.595
5.	Elliðaár	Bæjarfél. ³⁾	3.160	-	3.160	691	-	691
6.	Elliðaár, varastöð	Ríki og bær ²⁾	-	19.000	19.000	-	1.842	1.842
7.	Straumsvík	"		35.000	35.000	-	2.032	2.032
8.	Vestmannaeyjar	Bæjarfél. ³⁾	-	3.927	3.927	-	1.509	1.509
9.	Vík í Mýrdal	Rarik ¹⁾	-	268	268	-	1	1
10.	Andakíll	Sveitarf. ³⁾	3.520	-	3.520	27.107	-	27.107
	Samtengt/ Interconnected		(215.480)	(58.195)	(273.675)	(256.904)	(5.384)	(262.288)
11.	Rjúkandi	Rarik ¹⁾	840	-	840	6.601	-	6.601
12.	Ólafsvík	Rarik ¹⁾	-	1.200	1.200	-	832	832
13.	Stykkishólmur	Rarik ¹⁾	-	690	690	-	2.761	2.761
	Samtengt/ Interconnected		(840)	(1.890)	(2.040)	(6.601)	(3.593)	(10.194)
14.	Kirkjubæjarklaustur	Rarik ¹⁾	-	180	180	-	-	-
	Samtals/Total		216.320	60.265	276.585	1263.505	8.977	1272.482
			78,2%	21,8%	100,0%	99,3%	0,7%	100,0%

1) State owned

2) State and municipally owned

3) Municipally owned

1) Rarik = Rafmagnsveitur ríkisins

The State Electric Power Works

AFL OG ORKUVINNSLA Á NORDVESTURLANDI 1970

INSTALLED CAPACITY AND GENERATION IN THE NORTH WEST

Nr.	Rafstöðvar/Plants	Eigendur/ Ownership	Astimplað afl/ Installed capacity/kW			Orkuvinnsla/Generation/MWh		
			Vatn/ Hydro	Varmi/ Thermal	Alls/ Total	Vatn/ Hydro	Varmi/ Thermal	Alls/ Total
0	1	2	3	4	5	6	7	8
1.	Búðardalur	Rarik ¹⁾	-	475	475	-	1.131	1.131
2.	Flatey	Rarik ¹⁾	-	43	43	-	22	22
3.	Patreksfjörður	Sveitarf. ³⁾	-	480	480	-	42	42
4.	Sveinseyri	Rarik ¹⁾	-	150	150	-	31	31
5.	Bíldudalur	"	-	280	280	-	624	624
6.	Mjólká	"	2.400	-	2.400	11.353	-	11.353
7.	Þingeyri	"	-	100	100	-	-	-
8.	Flateyri	"	-	730	730	-	1.446	1.446
9.	Suðureyri	"	-	164	164	-	-	-
10.	Reiðhjalli	"	400	-	400	2.499	-	2.499
11.	Fossav. & Nónh.v.	Bæjarf. ³⁾	1.160	-	1.160	3.622	-	3.622
12.	Ísafjörður	"	-	890	890	-	1.324	1.324
13.	Súðavík	Rarik ¹⁾	-	107	107	-	-	-
	Alls sam tengt/ Interconnected		(3.960)	(2.901)	(6.861)	(17.474)	(3.467)	(20.941)
14.	Mýraá	Sveitarf. ³⁾	60	-	60	252	-	252
15.	Þverá	Rarik ¹⁾	1.736	-	1.736	2.897	-	2.897
16.	Drangsnes	"	-	90	90	-	-	-
17.	Neðri-Brunná	"	-	85	85	-	-	-
	Alls sam tengt/ Interconnected		(1.736)	(175)	(1.911)	(2.897)	-	(2.897)
	Samtals/Total		5.756	3.594	9.350	20.623	4.620	25.243
			61,6%	38,4%	100,0%	81,7%	18,3%	100,0%

1) State owned

2) State and municipally owned

3) Municipally owned

AFL OG ORKUVINNSLA Á NORDURLANDI 1970

INSTALLED CAPACITY AND GENERATION IN THE NORTH

Nr.	Rafstöðvar/Plants	Eigendur/ Ownership	Astimplað afl/ Installed capacity/kW			Orkuvinnsla/Generation/MWh		
			Vatni/ Hydro	Varmi/ Thermal	Alls/ Total	Vatn/ Hydro	Varmi/ Thermal	Alls/ Total
0	1	2	3	4	5	6	7	8
1.	Laxárvatn	Rarik ¹⁾	480	-	480	4.023	-	4.023
2.	Laxárvatn	"	-	1.500	1.500	-	807	807
3.	Skagaströnd	"	-	200	200	-	3	3
4.	Gönguskarðsá	"	1.064	-	1.064	6.814	-	6.814
5.	Sauðárkrúkur	"	-	1.200	1.200	-	3.770	3.770
	Alls samtengt/ Interconnected		(1.544)	(2.900)	(4.444)	(10.837)	(4.580)	(15.417)
6.	Skeiðsfoss	Bæjarf. ³⁾	3.200	-	3.200	7.547	-	7.547
7.	Siglufjörður	"	-	1.500	1.500	-	1.625	1.625
8.	Garðsá	Rarik ¹⁾	174	-	174	1.158	-	1.158
	Alls samtengt/ Interconnected		(3.374)	(1.500)	(4.874)	(8.705)	(1.625)	(10.330)
9.	Grimsey	Rarik ¹⁾	-	92	92	-	169	169
10.	Hrísey	"	-	92	92	-	-	-
11.	Akureyri	Ríki og bær ²⁾	-	7.500	7.500	-	2.656	2.656
12.	Námafjall	" "	-	2.625	2.625		12.091	12.091
13.	Laxá	" "	12.560	-	12.560	89.995	-	89.995
14.	Húsavík	Bæjarfél ³⁾	-	500	500	-	-	-
	Alls samtengt/Interconn.		(12.560)	(10.717)	(23.277)	(89.995)	(14.747)	(104.742)
15.	Kópasker	Rarik ¹⁾	-	60	60	-	-	-
16.	Raufarhöfn	"	-	905	905	-	2.862	2.862
	Alls samtengt/Interconn.		-	(965)	(965)	-	(2.862)	(2.862)
17.	Pórshöfn	Rarik ¹⁾	-	460	460	-	1.047	1.047
	Samtals/Total		17.478	16.634	34.112	109.537	25.030	134.567
			51,2%	48,8%	100,0%	81,4%	18,6%	100,0%

1) State owned

2) State and municipally owned

3) Municipally owned

¹⁾ Rarik = Rafmagnsveitir ríkisins

The State Electric Power Works

AFL OG ORKUVINNSLA Á AUSTURLANDI 1970

INSTALLED CAPACITY AND GENERATION IN THE EAST

Nr.	Rafstöðvar/Plants	Eigendur/ Ownership	Astimplað afl/ Installed capacity/kW			Orkuvinnsla/Generation/MWh		
			Vatn/ Hydro	Varmi/ Thermal	Alls/ Total	Vatn/ Hydro	Varmi/ Thermal	Alls/ Total
0	1	2	3	4	5	6	7	8
1.	Bakkafjörður	Rarik ¹⁾	-	112	112	-	83	83
2.	Vopnafjörður	"	-	1.230	1.230	-	1.529	1.529
3.	Bakkagerði	"	-	124	124	-	11	11
4.	Fjarðará	"	160	-	160	1.191	-	1.191
5.	Seyðisfjörður	"	-	3.200	3.200	-	3.330	3.330
6.	Grímsá	"	2.800	-	2.800	13.287	-	13.287
7.	Neskaupstaður	"	-	2.988	2.988	-	2.748	2.748
8.	Búðará	Sveitarf. ³⁾	240	-	240	1.040	-	1.040
9.	Reyðarfjörður	"	-	50	50	-	-	-
10.	Fáskrúðsfjörður	Rarik ¹⁾	-	856	856	-	356	356
11.	Stöðvarfjörður			90	90	-	-	-
	Alls sam tengt/Interconn.		(3.200)	(7.308)	(10.508)	(15.518)	(6.445)	(21.963)
12.	Djúpivogur	"	-	510	510	-	636	636
13.	Höfn í Hornafirði	"	-	690	690	-	141	141
14.	Smyrlabjargað	"	1.000	-	1.000	3.767	-	3.767
	Alls sam tengt/ Interconnected		(1.000)	(690)	(1.690)	(3.767)	(141)	(3.908)
	Samtals/Total		4.200	9.850	14.050	19.285	8.834	28.119
			29,9%	70,1%	100,0%	68,6%	31,4%	100,0%

1) State owned

2) State and municipally owned

3) Municipally owned

1) Rarik = Rafmagnsveitur ríkisins

The State Electric Power Works

T A F L A 1.3

ORKUVINNSLA SAMTENGDRA SVÆDA

GENERATION OF ELECTRICITY BY INTER -

	1. ársfjórðungur 1. quarter			2. ársfjórðungur 2. Quarter		
Orkusvæði/ Interconnected districts	1 9 7 0 MWh	1 9 6 9 MWh	Aukn. Incr. %	1 9 7 0 MWh	1 9 6 9 MWh	Aukn. Incr. %
Sogssvæði ¹⁾ Snæfellsnes	292.309 2.761	143.218 2.402	104,1 14,9	302.654 2.366	125.798 2.093	140,6 13,0
Suðvesturland alls ²⁾	295.070	145.620	102,6	305.020	127.891	138,5
Búðardalur	274	245	11,8	237	204	16,2
Flatey	8	11	+27,3	3	7	+57,2
Vestfirðir	5.395	5.030	7,3	4.970	4.401	-12,9
Mýraá	58	73	+20,6	56	61	+ 8,2
Þverárvæði	757	736	2,9	617	613	0,7
Norðvesturland alls	6.492	6.095	6,5	5.883	5.286	11,3
Norðurland vestra	3.913	3.600	8,7	3.310	3.227	2,6
Skeiðsfosssvæði	2.769	2.850	+ 2,9	2.290	2.451	+ 6,6
Grímsey	44	49	+10,2	41	40	2,5
Laxárvæði	28.499	26.016	9,5	21.440	19.236	11,5
Raufarhafnarvæði	731	606	20,6	592	460	28,7
Þórshöfn	237	226	4,9	232	179	29,6
Norðurland alls	36.193	33.347	8,5	27.905	25.593	9,0
Bakkafjörður	21	21	-	17	16	6,3
Vopnafjörður	396	382	3,7	346	344	0,6
Grímsárvæði	6.106	5.227	16,8	5.247	4.433	18,4
Djúpivogur	188	158	19,0	145	121	19,8
Smyrlabjargaárvæði	1.055	828	27,4	963	726	32,6
Austurland alls	7.766	6.616	17,4	6.718	5.640	19,1
Landið alls ³⁾	345.521	191.678	80,3	345.526	164.410	110,2
1) Sogssvæði án stórnok.	120.973	120.370	0,5	96.784	92.972	4,1
2) Suðvesturland án stórn.	123.734	122.772	0,8	99.150	95.065	4,3
3) Landið alls án stórn.	174.185	168.830	3,2	139.656	131.584	6,1
Stórnokun alls	171.336	22.848	649,9	205.870	32.826	527,2

EFTIR ÁRSFJÓRDUNGUM 1969-1970

CONNECTED DISTRICTS AND QUARTERS 1969-1970

3. ársfjórðungur 3. quarter			4. ársfjórðungur 4. quarter			Alls/Total		
1 9 7 0 MWh	1 9 6 9 MWh	Aukn. Incr. %	1 9 7 0 MWh	1 9 6 9 MWh	Aukn. Incr. %	1 9 7 0 MWh	1 9 6 9 MWh	Aukn. Incr. %
315.904 2.355	171.449 2.181	84,3 8,0	351.420 2.713	283.090 2.606	24,1 4,1	1.262.287 10.195	723.555 9.282	74,5 9,8
318.259	173.630	83,3	354.133	285.696	24,0	1.272.482	732.837	73,6
266 3 4.948 63 687	233 6 4.645 60 662	14,2 +50,0 6,5 5,0 3,8	354 8 5.628 75 836	319 12 5.302 76 789	11,0 +33,3 6,1 +1,3 6,0	1.131 22 20.941 252 2.897	1.001 36 19.378 270 2.800	13,0 +38,9 8,1 + 6,7 3,5
5.967	5.606	6,4	6.901	6.498	6,2	25.243	23.485	7,5
3.591 2.473 39 23.657 655 296	3.348 2.550 42 19.696 563 302	7,3 + 3,0 + 7,2 20,1 16,3 + 2,0	4.603 2.798 45 31.146 884 282	4.312 3.050 47 28.149 726 281	6,7 + 8,3 + 4,3 10,6 21,8 0,4	15.417 10.330 169 104.742 2.862 1.047	14.487 10.901 178 93.097 2.355 988	6,4 + 5,2 + 5,1 12,5 21,5 6,0
30.711	26.501	15,9	39.758	36.565	8,7	134.567	122.006	10,3
21 365 4.871 123 856	20 396 4.485 123 755	5,0 + 7,8 8,6 - 13,4	24 422 5.739 180 1.034	23 450 5.484 163 808	4,3 + 6,2 4,6 10,4 28,0	83 1.529 21.963 636 3.908	80 1.572 19.629 565 3.117	3,8 + 2,7 11,9 12,6 25,4
6.236	5.779	7,9	7.399	6.928	6,8	28.119	24.963	12,6
361.173	211.516	70,8	408.191	335.687	21,6	1.460.411	903.291	61,7
90.333 92.688 135.602	90.199 92.380 130.266	0,1 0,3 4,1	127.296 130.009 184.067	120.547 123.153 173.144	5,6 5,6 6,3	435.386 445.581 633.510	424.088 433.370 603.824	2,7 2,8 4,9
225.571	81.250	177,6	224.124	162.543	37,9	826.901	299.467	176,1

T A F L A 1. 31

ORKUVINNSLA Á SUÐVESTURLANDI 1966-1970

GENERATION OF ELECTRICITY IN S.W. ICELAND

S t ö ð v a r / P l a n t s	Orkuvinnsla/Generation					Aukning/Increase			
	1966	1967	1968	1969	1970	66/67	67/68	68/69	69/70
	MWh	MWh	MWh	MWh	MWh	%	%	%	%
<u>Sogssvæði</u>									
Búrfell	.	.	.	174.738	723.600	.	.	.	.
Steingrimsstöð	128.509	131.603	138.507	133.238	138.051	2,4	5,2	-3,8	3,6
Irafoss	236.603	254.450	266.326	260.697	254.860	7,5	4,7	-2,1	-2,2
Ljósafoss	105.147	110.932	114.633	112.434	112.595	5,5	3,3	-1,9	0,1
Elliðaár	3.570	3.153	1.798	2.562	691	-11,7	-43,0	42,5	-73,0
Andakíll	21.356	27.343	24.970	28.595	27.107	28,0	8,7	14,5	-5,2
Alls vatn/Hydro	495.185	527.481	546.234	712.264	1.256.904	6,5	3,6	30,4	76,5
Elliðaár, varastöð	13.410	5.948	4.794	9.100	1.842	-55,6	-19,4	89,8	+79,8
Straumsvík	.	.	.	1.036	2.032	.	.	.	96,1
Vestmannaeyjar	861	998	1.074	1.154	1.509	15,9	7,6	7,4	30,8
Vík í Mýrdal	1	0	0	1	1	.	.	.	-
Alls varmi/Thermal	14.272	6.946	5.868	11.291	5.384	-51,3	-15,5	92,4	-52,3
Alls samtengt/ Total Interconnect.	509.457	534.427	552.102	723.555	1.262.288	4,9	3,3	31,1	74,5
<u>Snæfellsnes</u>									
Rjúkandi	4.722	4.996	5.178	6.141	6.601	5,8	3,6	18,6	7,5
Ólafsvík	798	553	676	353	832	-30,7	22,2	-47,8	135,7
Stykkishólmur	2.107	2.328	2.466	2.788	2.761	10,5	5,9	13,1	-1,0
Alls samtengt/ Total Interconnect.	7.627	7.877	8.320	9.282	10.194	3,3	5,6	11,6	9,8
Kirkjubæjarklaustur	.	.	.	.	.	.	.	.	.
Samtals S.V.land	517.084	542.304	560.422	732.837	1.272.482	4,9	3,3	30,8	73,6
Vatn/Hydro %	96,7	98,2	98,4	98,0	99,3				
Varmi/Thermal %	3,3	1,8	1,6	2,0	0,7				

T A F L A 1. 32

ORKUVINNSLA Á NORDVESTURLANDI 1966-1970

GENERATION OF ELECTRICITY IN N.W. ICELAND

S t ö ð y a r / P l a n t s	Orkuvinnsla/Generation					Aukning/Increase			
	1966	1967	1968	1969	1970	66/67	67/68	68/69	69/70
	MWh	MWh	MWh	MWh	MWh	%	%	%	%
<u>Vestfirðir</u>									
Búðardalur	675	850	907	1.001	1.131	26,0	6,7	10,4	13,0
Flatey	.	35	51	36	22	.	45,7	-29,4	+38,9
Mjólká	11.016	11.357	10.825	11.418	11.353	3,1	-4,7	5,5	+ 0,6
Reiðhjalli	1.735	1.522	2.329	2.596	2.499	-12,3	53,0	11,5	+ 3,7
Fossav. og Nónh.v.	2.307	3.474	3.421	3.404	3.622	50,6	-1,5	-0,5	6,4
Alls vatn/Hydro	15.058	16.353	16.575	17.418	17.474	8,6	0,2	5,1	0,3
Patreksfjörður	238	375	127	16	42	57,6	.	.	.
Sveinseyri	.	.	-	-	31	.	.	.	.
Bíldudalur	470	220	175	154	624	-53,2	20,5	-12,0	.
Pingeyri	-	-	-	-	-	-	-	-	-
Flateyri	353	161	587	997	1.446	-54,4	.	69,8	45,0
Suðureyri	-	-	-	-	-	-	-	-	-
Ísafjörður	794	366	540	793	1.324	-54,0	47,5	46,9	67,0
Súðavík	-	-	-	-	-	-	-	-	-
Alls varmi/Thermal	1.855	1.122	1.429	1.960	3.467	-39,5	27,4	37,2	76,9
Alls samtengt/ Total Interconn.	16.913	17.475	18.004	19.378	20.941	3,3	3,0	7,6	8,1
Mýraá	.	.	.	270	252	.	.	.	+ 6,7
Everá	2.344	2.889	2.723	2.779	2.897	23,3	-5,7	2,1	4,3
Hólmavík	130	.	.	21	-	.	.	.	.
Alls samtengt	2.474	2.889	2.723	2.800	2.897	16,8	-5,7	2,8	3,5
Samtals N.V. land	20.062	21.249	21.685	23.485	25.243	5,9	2,1	8,3	7,5
Vatn/Hydro %	86,7	90,6	89,0	87,1	81,7				
Varmi/Thermal %	13,3	9,4	11,0	12,9	18,3				

T A F L A 1. 33

ORKUVINNSLA Á NORDURLANDI 1966-1970

GENERATION OF ELECTRICITY IN N. ICELAND

S t ö ð v a r / P l a n t s	Orkuvinnsla/Generation					Aukning/Increase			
	1966	1967	1968	1969	1970	66/67	67/68	68/69	69/70
	MWh	MWh	MWh	MWh	MWh	%	%	%	%
<u>Norðurland vestra</u>									
Laxárvatn	3.200	3.688	3.594	3.431	4.023	15,3	-2,5	-4,5	17,3
Gönguskarðsá	5.290	5.702	5.912	6.366	6.814	7,8	3,7	7,7	7,0
Alls vatn/Hydro	8.490	9.390	9.506	9.797	10.837	10,6	1,2	3,1	10,6
Laxárvatn	689	495	777	998	807	-28,2	57,0	28,4	-19,1
Skagaströnd	18	23	19	13	3	27,8	-17,4	-31,6	-76,9
Sauðárkrúkur	2.607	2.525	2.871	3.679	3.770	-3,1	13,7	28,1	2,5
Alls varmi/Thermal	3.314	3.043	3.667	4.690	4.580	-8,2	20,5	27,9	-2,4
Alls samtengt/ Total Interconnected	11.804	12.433	13.173	14.487	15.417	5,3	6,0	10,0	6,4
<u>Skeiðsfosssvæði</u>									
Skeiðsfoss	8.232	9.399	9.334	8.098	7.547	14,2	-0,7	-13,3	-6,8
Garðsá	1.002	1.229	1.285	1.179	1.158	22,7	4,6	8,3	-1,8
Alls vatn/Hydro	9.234	10.628	10.619	9.277	8.705	15,1	-0,1	-12,6	+6,2
Siglufjörður	1.711	523	720	1.624	1.625	-69,5	37,7	125,6	0,1
Alls samtengt/ Total Interconnected	10.945	11.151	11.339	10.901	10.330	1,9	1,7	-3,9	-5,2
Grimsey	72	115	185	178	169	59,8	60,9	-3,8	-5,1
<u>Laxárvsvæði</u>									
Laxá	75.088	78.658	83.219	87.983	89.995	4,8	5,8	5,7	2,3
Námafjall	.	.	.	1.904	12.091	.	.	.	.
Akureyri	521	1.079	1.765	3.210	2.656	107,1	63,6	81,9	-17,3
Alls samtengt/ Total Interconnected	75.609	79.737	84.984	93.097	104.742	5,5	6,6	9,5	12,5
Kópasker	-	-	-	-	-	.	.	.	.
Raufarhöfn	2.145	2.260	2.200	2.355	2.862	5,4	2,7	7,0	21,5
Bórhöfn	858	901	954	988	1.047	5,0	5,9	3,6	6,0
Samtals N. land	101.433	106.597	112.835	122.006	134.567	5,1	5,9	8,1	10,3
Vatn/Hydro %	91,5	92,6	91,6	87,7	81,4				
Varmi/Thermal %	8,5	7,4	8,4	12,3	18,6				

T A F L A 1. 34

ORKUVINNSLA Á AUSTURLANDI 1966-1970

GENERATION OF ELECTRICITY IN E. ICELAND

S t ö ð v a r / P l a n t s	Orkuvinnsla/Generation					Aukning/Increase			
	1966	1967	1968	1969	1970	66/67	67/68	68/69	69/70
	MWh	MWh	MWh	MWh	MWh	%	%	%	%
Bakkafjörður	100	77	76	80	83	-23,0	-1,3	5,3	3,8
Vopnafjörður	1.951	1.763	1.494	1.572	1.529	-9,6	-15,3	5,2	+2,7
<u>Grimsárvæði</u>									
Grímsá	12.914	12.481	10.871	11.365	13.287	-3,4	-12,9	4,5	16,9
Fjarðará	92	699	1.022	1.066	1.191	.	46,2	4,3	11,7
Búðará	801	917	903	977	1.040	14,6	1,5	8,2	6,5
Alls vatn/Hydro	13.807	14.097	12.796	13.408	15.518	2,1	-9,2	4,8	15,7
Bakkagerði	429	283	56	26	11	-34,1	.	-53,6	+57,7
Seyðisfjörður	3.969	3.311	3.340	3.340	3.330	-16,6	0,9	-	+0,3
Neskaupstaður	5.404	2.600	2.326	2.652	2.748	-51,9	-10,5	14,0	3,6
Reyðarfjörður	-	-	-	-	-	-	-	-	-
Fáskrúðsfjörður	634	731	326	203	356	15,3	-55,4	-37,7	75,4
Stöðvarfjörður	-	.	.	-	-	.	.	.	-
Breiðdalsvík	-	.	.	-	-	.	.	.	.
Alls varmi/Thermal	10.436	6.925	6.048	6.221	6.445	-33,6	-8,9	2,9	3,6
Alls samtengd svæði									
Total Interconnected	24.243	21.022	18.844	19.629	21.963	-12,9	-9,1	4,2	11,9
Djúpivogur	664	512	516	565	636	-22,9	0,8	9,5	12,6
Smyrlabjargaaá	.	.	.	741	3.767	.	.	.	.
Höfn í Hornafirði	2.061	2.368	2.695	2.376	141	14,9	13,8	-11,8	.
Alls samtengt/ Total Interconnected	2.061	2.368	2.695	3.117	3.908	14,9	13,8	15,7	25,4
Samtals Austurland	29.019	25.742	23.625	24.963	28.119	-11,3	-8,2	5,7	12,6
Vatn/Hydro %	47,6	54,8	54,2	56,7	68,6				
Varmi/Thermal %	52,4	45,2	45,8	43,3	31,4				

Aburðarverksmiðjan/The Fertilizer Plant¹⁾

	1966	1967	1968	1969	1970
Jan.	2 967	3 079	2 731	2 383	8 372
Feb.	2 921	4 397	3 119	2 242	9 409
Marz	3 272	6 178	4 394	2 429	10 268
Apríl	3 234	7 368	10 635	4 731	10 548
Máí	3 821	5 666	11 391	6 806	7 572
Júní	11 867	11 094	9 870	5 399	5 669
Júlí	12 339	11 484	10 653	6 713	10 960
Ágúst	10 647	7 993	10 304	7 660	11 411
Sept.	8 378	8 073	8 418	6 436	10 007
Okt.	2 906	3 446	3 182	5 458	11 495
Nóv.	2 243	2 388	2 607	5 796	9 656
Des.	3 093	2 556	3 391	7 400	10 544
Alls/ Total	67 688	73 722	80 695	63 453	115 911

Aukn. % -32,7 8,9 9,5 . -21,4 82,7

Increase

Keflavíkurflugvöllur/
NATO Base at Keflavík Airport²⁾

	1966	1967	1968	1969	1970
Jan.	3 709	4 523	4 417	4 213	4 676
Feb.	3 366	3 815	4 213	4 050	3 989
Marz	3 790	4 072	4 456	4 168	4 982
Apríl	3 296	4 407	4 249	4 141	4 590
Máí	3 666	3 828	4 314	4 181	4 291
Júní	3 133	3 907	4 192	3 938	4 704
Júlí	3 531	3 970	3 950	4 156	4 189
Ágúst	3 824	4 137	3 990	4 404	4 592
Sept.	3 759	3 807	4 341	4 542	4 643
Okt.	4 180	4 378	4 653	4 782	4 919
Nóv.	3 829	4 229	4 028	4 535	4 391
Des.	4 031	4 359	4 298	5 314	5 004
Alls/ Total	44 114	49 432	51 101	52 424	54 970

Aukn. % 9,2 12,1 3,4 2,6 4,9

Increase

Sementsverksmiðjan/The Cement Plant²⁾

1966	1967	1968	1969	1970
1 139	685	1 052	1 044	994
1 018	967	1 034	1 044	801
985	959	616	1 275	913
905	1 037	1 106	732	857
1 066	1 097	1 242	561	329
1 148	1 159	1 258	1 177	342
1 300	1 315	1 277	1 203	1 136
1 296	1 219	1 266	1 246	1 310
1 219	1 257	1 199	1 250	1 211
1 259	1 238	1 329	1 218	1 180
1 041	1 176	1 285	1 217	1 283
959	1 234	1 217	1 116	953
13 335	13 343	13 881	13 083	11 309

1,7 0,1 4,0 - 5,8 ÷13,6

Stórnokun alls/
Total Special Load

1966	1967	1968	1969	1970
7 815	8 287	8 200	7 640	56 824
7 305	9 179	8 366	7 336	53 661
8 047	11 209	9 466	7 872	60 851
7 435	12 812	15 990	9 604	64 137
8 553	10 591	16 947	12 708	72 264
16 148	16 160	15 320	10 514	69 469
17 170	16 769	15 880	19 691	75 820
15 767	13 349	15 560	22 776	76 668
13 356	13 137	13 958	38 783	73 083
8 345	9 062	9 164	53 757	75 924
7 113	7 793	7 920	52 609	71 762
8 083	8 149	8 906	56 177	76 438
125 137	136 497	145 677	299 467	826 901

- 18,8 9,1 6,7 105,6 .

1) 7% flutningstöp innifalin/ 7% Transmission Losses included

2) 10% " " / 10% " "

3) 5% " " / 5% " "

RAFORKU 1966 - 1970

OF ELECTRICITY

Almenn notkun/Ordinary Load

	1966	1967	1968	1969	1970
Jan.	53 123	54 612	57 855	58 751	60 643
Feb.	47 359	47 309	52 694	52 861	54 389
Marz	50 238	53 489	52 022	57 218	59 153
Apríl	42 738	45 838	47 178	49 117	53 643
Mai	37 820	40 731	42 255	42 643	46 933
Júní	35 765	36 836	37 099	39 824	39 080
Júlí	35 693	36 861	36 749	42 294	42 905
Agúst	38 227	39 000	40 267	42 332	44 323
Sept.	41 502	42 187	42 647	45 640	48 374
Okt.	48 602	50 098	52 821	53 723	57 692
Nóv.	53 003	53 850	53 143	57 716	60 596
Des.	58 391	58 584	58 160	61 705	65 779
Alls/ Total	542 461	559 395	572 890	603 824	633 510

Aukn. % 6,2 3,1 2,4 5,4 4,9
 Increase

Alverksmiðjan/
Aluminium
Reduction Plant³⁾

1969	1970
.	42 782
.	39 462
.	44 688
.	48 142
1 160	60 072
-	58 754
7 619	59 535
9 466	59 355
26 555	57 222
42 299	58 330
41 061	56 432
42 347	59 937
170 507	644 711

Orkuvinnsla alls/Total Generation

	1966	1967	1968	1969	1970
Jan.	60 938	62 899	66 055	66 391	117 467
Feb.	54 664	56 488	61 060	60 197	108 050
Marz	58 285	64 698	61 488	65 090	120 004
Apríl	50 173	58 650	63 168	58 721	117 780
Mai	46 373	51 322	59 202	55 351	119 197
Júní	51 913	52 996	52 419	50 338	108 549
Júlí	52 863	53 630	52 629	61 985	118 725
Agúst	53 994	52 349	55 827	65 108	120 991
Sept.	54 858	55 324	56 605	84 423	121 457
Okt.	56 947	59 160	61 985	107 480	133 616
Nóv.	60 116	61 643	61 063	110 325	132 358
Des.	66 474	66 733	67 066	117 882	142 217
Alls/ Total	667 598	695 892	718 567	903 291	1460 411

Aukn. % 0,7 4,2 3,3 25,7 61,7
 Increase

ALMENN RAFORKUNOTKUN EFTIR ÁRSFJÓRDUNGUM 1964-1970

GENERAL LOAD BY QUARTERS

Tímabil/Periods	1964 GWh	1965 GWh	1966 GWh	1967 GWh	1968 GWh	1969 GWh	1970 GWh	
I. ársfj./quarter	127,0	140,5	150,7	155,4	162,6	168,8	174,2	
II. "	101,5	108,7	116,3	123,4	126,5	131,6	139,6	
III. "	102,2	107,8	115,5	118,1	119,7	130,3	135,6	
IV. "	138,1	151,7	160,0	162,5	164,1	173,1	184,1	
Samtals/Total	468,8	508,7	542,5	559,4	572,9	603,8	633,5	
Aukn./Increase	4,2%	8,5%	6,2%	3,1%	2,4%	5,4%	4,9%	
	%	%	%	%	%	%	%	Meðaltal Ave-average %
I. Ársfj./quarter	27,1	27,6	27,8	27,8	28,4	27,9	27,5	27,7
II. "	21,7	21,4	21,4	22,1	22,1	21,8	22,0	21,8
III. "	21,8	21,2	21,3	21,1	20,9	21,6	21,4	21,3
IV. "	29,4	29,8	29,5	29,0	28,0	28,7	29,1	29,2
Samtals/Total	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

Ath.:

Heildarraforkuvinnsla almenningsrafstöðva að frádreginni stórnótkun, þ.e.
 Álverksmiðjan, Áburðarverksmiðjan, Sementsverksmiðjan og Keflavíkurflugvöllur.

Generation of electricity less special load, i.e. Aluminium Reduction Plant,
 Fertilizer Plant, Cement Plant and Keflavík Airport.

ORKUVINNSLA OG STÓRNOTKUN Á SUDVESTURLANDI 1965-1970

GENERATION OF ELECTRICITY AND SUBDIVISION OF LOAD IN S.W. ICELAND

Stöðvar/Plants	1965 MWh	1966 MWh	1967 MWh	1968 MWh	1969 MWh	1970 MWh
Búrfell	.	.	.	.	174.738	723.600
Steingrímsstöð	132.354	128.509	131.603	138.507	133.238	138.051
Irafoss	246.350	236.603	254.450	266.326	260.697	254.860
Ljósafoss	110.255	105.147	110.932	114.633	112.434	112.595
Ellíðaár	3.639	3.570	3.153	1.798	2.562	691
Andakíll	21.198	21.356	27.343	24.970	28.595	27.107
Alls vatnsafl/ Total Hydro	513.796	495.185	527.481	546.234	712.264	1256.904
Ellíðaár, varmi/Steam	2.026	13.410	5.948	4.794	9.100	1.842
Straumsvík/Gas	.	.	.	.	1.036	2.032
Vestmannaeyjar/Diesel	1.286	861	998	1.074	1.154	1.509
Vík í Mýrdal/Diesel	-	1	0	0	1	1
Alls samtengt/ Total Interconnected	517.108	509.457	534.427	552.102	723.555	1262.288
Aukning/Increase	(-3,0%)	(-1,5%)	(4,9%)	(3,3%)	(31,1%)	(74,5%)
- Stórnokun/ ¹⁾ Less Special Load	154.147	125.137	136.497	145.677	299.467	826.901
Alverksmiðjan/ Aluminium Reduct. Plant	.	.	.	.	170.507	644.711
Aburðarverksmiðjan/ Fertilizer Plant	100.648	67.688	73.722	80.695	63.453	115.911
Sementsverksmiðjan/ Cement Plant	13.107	13.335	13.343	13.881	13.083	11.309
Keflavíkurflugvöllur/ Keflavík Airport	40.392	44.114	49.432	51.101	52.424	54.970
Almennt notkun Interconn. Gen. Load	362.961	384.320	397.930	406.425	424.088	435.387
Aukning/Increase	(7,9%)	(5,9%)	(3,5%)	(2,1%)	(4,3%)	(2,7%)
Snæfellsnes	6.961	7.627	7.877	8.320	9.282	10.194
Rjúkandi/Hydro	4.691	4.722	4.996	5.178	6.141	6.601
Dísilstöðvar/Diesel ²⁾	2.270	2.905	2.881	3.142	3.141	3.593
Alls almenn notkun/ Total General Load	369.922	391.947	405.807	414.745	433.370	445.581
Alls orkuvinnsla á Suðvesturlandi/Total Generation in S.W. Iceland	524.069	517.084	542.304	560.422	732.837	1272.482
Aukning/Increase	(-2,8%)	(-1,3%)	(4,9%)	(3,3%)	(30,8%)	(73,6%)

1) Flutningstöð innifalinn/

ORKUVINNSLA OG STÓRNOTKUN

GENERATION OF ELECTRICITY AND

	Janúar	Febrúar	Marz	Ápríl	Maf	Júní
Búrfell	55.066	52.618	55.171	57.446	55.324	53.419
Steingrímsstöð	11.477	10.635	11.995	10.680	12.692	10.865
Irafoss	20.694	18.139	21.698	20.661	23.727	20.319
Ljósafoss	9.434	8.060	9.716	9.271	10.358	8.874
Elliðaár	76	92	128	147	28	-
Andakíll	2.238	1.677	2.336	2.502	2.641	2.717
Alls vatn/Hydro	98.985	91.221	101.044	100.707	104.770	96.194
Elliðaár/Steam	3	66	34	136	109	.41
Straumsvík/Gas	381	49	13	113	37	-
Vestmannaeyjar/Diesel	41	89	383	445	49	53
Vík í Mýrdal/Diesel	-	-	-	-	-	-
Alls samtengt/Interc.	99.410	91.425	101.474	101.401	104.965	96.288
- Stórnokun/ 1) Less Special Load	56.824	53.661	60.851	64.137	72.264	69.469
Álverksmiðjan/ Aluminium Reduct. Plant	42.782	39.462	44.688	48.142	60.072	58.754
Áburðarverksmiðjan/ Fertilizer Plant	8.372	9.409	10.268	10.548	7.572	5.669
Sementsverksmiðjan/ Cement Plant	994	801	913	857	329	342
Keflavíkurflugvöllur/ Keflavík Airport	4.676	3.989	4.982	4.590	4.291	4.704
Almenn notkun/ Interconn. Gen. Load	42.586	37.764	40.623	37.264	32.701	26.819
Aukn. f. f. ári %/ Increase	(1,1)	(-0,8)	(-0,4)	(7,5)	(-9,9)	(-6,1)
<u>Snæfellsnes</u>	928	849	984	912	722	732
Rjúkandi/Hydro	572	522	578	532	490	493
Dísilstöðvar/Diesel(2)	356	327	406	380	232	239
Alls almenn notkun/ Total General Load	43.514	38.613	41.607	38.176	33.423	27.551
Alls orkuvinnsla á Suðvesturlandi/Total Generation in S.W. Iceland	100.338	92.274	102.458	102.313	105.687	97.020
Aukn. f.f. ári %/ Increase	(98,5)	(102,7)	(106,8)	(127,4)	(145,1)	(143,9)

¹⁾Flutningstöð innifalin/Transmission Losses included

A SUÐVESTURLANDI 1970

SUBDIVISION OF LOAD IN S.W. ICELAND

Júlí	Ágúst	Sept.	Okt.	Nóv.	Des.	Alls 1970	Alls 1969	Aukn. %
59.386	62.093	64.560	67.800	66.792	73.925	723.600	174.738	.
11.782	11.414	10.714	12.034	11.613	12.150	138.051	133.238	3,6
21.535	21.179	19.465	22.765	21.410	23.268	254.860	260.697	÷ 2,2
9.360	9.222	8.894	10.188	9.262	9.956	112.595	112.434	0,1
5	-	-	24	59	132	691	2.562	÷ 73,0
1.932	2.111	1.853	2.484	2.049	2.567	27.107	28.595	÷ 5,2
104.000	106.019	105.486	115.295	111.185	121.998	1256.904	712.264	76,5
148	-	-	-	1.077	228	1.842	9.100	÷ 79,8
21	48	-	9	1.334	27	2.032	1.036	96,1
79	34	69	50	154	63	1.509	1.154	30,8
-	-	1	-	-	-	1	1	-
104.248	106.101	105.556	115.354	113.750	122.316	1262.288	723.555	74,5
75.820	76.668	73.083	75.924	71.762	76.438	826.901	299.467	.
59.535	59.355	57.222	58.330	56.432	59.937	644.711	170.507	.
10.960	11.411	10.007	11.495	9.656	10.544	115.911	63.453	82,7
1.136	1.310	1.211	1.180	1.283	953	11.309	13.083	÷ 13,6
4.189	4.592	4.643	4.919	4.391	5.004	54.970	52.424	4,9
28.428	29.433	32.473	39.430	41.988	45.878	435.387	424.088	2,7
(÷ 4,4)	(1,3)	(3,5)	(6,0)	(4,2)	(8,8)	(2,7)	(4,3)	.
799	773	782	869	886	958	10.194	9.282	9,8
587	547	537	566	582	595	6.601	6.141	7,5
212	226	245	303	304	363	3.593	3.141	14,4
29.227	30.206	33.255	40.299	42.874	46.836	445.581	433.370	2,8
105.047	106.874	106.338	116.223	114.636	123.274	1272.482	732.837	73,6
(109,3)	(103,4)	(50,0)	(26,7)	(22,3)	(23,0)	(73,6)	(30,8)	.

RAFSTÖDVAR SUNDURLIDADAR EFTIR EIGENDUM 1970

OWNERSHIP OF PUBLIC POWER PLANTS

Nr.	Eigendur rafstöðva/ Ownership	Astimplað afl, kW Installed Capacity				Orkuvinnsla, MWh Generation				Aukn.vinhlslu Incr.Gen. 1969/70
		Vatn/ Hydro	Varmi/ Thermal	Alls/ Total	%	Vatn/ Hydro	Varmi/ Thermal	Alls/ Total	%	%
0	1	2	3	4	5	6	7	8	9	10
1.	Ríki og bæjarfélög/State and Municipal Power W.	221 360	64 125	285 485	85,4	1319101	18 621	1337 722	91,6	70,6
2.	Rafmagnsveitur ríkisins/State Electr. Power W.	11 054	18 871	29 925	9,0	53 590	24 340	77 930	5,3	9,1
3.	Bæjar- og sveitarfélög/Municipal Power Works	11 340	7 347	18 687	5,6	40 259	4 500	44 759	3,1	+ 5,8
	Samtals/Total	243 754	90 343	334 097	100,0	1412950	47 461	1460 411	100,0	61,7
		%	72,9	27,1	100,0		96,8	3,2	100,0	

Nr.	Rafstöðvar/Power Plants	Astimplað afl, kW Installed Capacity		Nr.	Rafstöðvar/Power Plants	Astimplað afl, kW Installed Capacity
1.	<u>Ríki og bæjarfélög:</u> State and Municipal Power Works	<u>285 485</u>		11	Flateyri	730
	<u>Vatnsafl/Hydro:</u>	(221 360)		12	Suðureyri	164
1	Búrfell	120 000		13	Súðavík	107
2	Steingrímssstöð	26 400		14	Drangsnes	90
3	Írafoss	47 800		15	Laxárvatn	1 500
4	Ljósafoss	14 600		16	Skagaströnd	200
5	Laxá	12 560		17	Sauðárkrókur	1 200
	<u>Varmaafl/Thermal</u>	(64 125)		18	Grímsey	92
1	Ellíðaár	19 000		19	Hrísey	92
2	Straumsvík	35 000		20	Kópasker	60
3	Akureyri	7 500		21	Raufarhöfn	905
4	Námafjall	2 625		22	Pórshöfn	460
2.	<u>Rafmagnsveitur ríkisins:</u> State Electric Power Works	<u>29 925</u>		23	Bakkafjörður	112
	<u>Vatnsafl/Hydro:</u>	(11.054)		24	Vopnafjörður	1 230
1	Rjúkandi	840		25	Bakkagerði	124
2	Mjólká	2 400		26	Seyðisfjörður	3 200
3	Reiðhjalli	400		27	Neskaupstaður	2 988
4	Pverá	1 736		28	Fáskrúðsfjörður	856
5	Laxárvatn	480		29	Stöðvarfjörður	90
6	Gönguskarðsá	1 064		30	Djúpivogur	510
7	Garðsá	174		31	Höfn í Hornafirði	690
8	Fjarðará	160		3.	<u>Bæjar- og sveitarfélög:</u>	<u>18 687</u>
9	Grímsá	2 800			<u>Municipal Power Works</u>	
10	Smyrlabjargaaá	1 000			<u>Vatnsafl/Hydro:</u>	
	<u>Varmaafl/Thermal:</u>	(18 871)			(11 340)	
1	Kirkjubæjarklaustur	180		1	Ellíðaár	3 160
2	Vík í Mýrdal	268		2	Andakíll	3 520
3	Ólafsvík	1 200		3	Fossav. & Nónh. vatn	1 160
4	Stykkishólmur	690		4	Mýraá	60
5	Búðardalur	475		5	Skeiðsfoss	3 200
6	Neðri-Brunná	85		6	Búðará	240
7	Flatey	43			<u>Varmaafl/Thermal:</u>	
8	Sveinseyri	150			(7 347)	
9	Bíldudalur	280		1	Vestmannaeyjar	3 927
				2	Patreksfjörður	480
				3	Ísafjörður	890
				4	Síplufjörður	1 500
				5	Húsavík	500
				6	Reykjanefðarsýsla	50

EINKASTÖÐVAR 31.12. 1970

PRIVATE POWER PLANTS

Nr	R a f s t ö ð v a r / P l a n t s	Vatnsafl/Hydro		Varmaafl/Thermal		Samtals/Total	
		Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/No	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW
0	1	2	3	4	5	6	7
1.	Sveitabýli/Farms (1014)	276	3 012,5	651	3 514,0	927	6 526,5
2.	Skólar, félagsheimili o.p.h./ Schools, Clubs, etc.	3	52,5	38	800,0	41	852,5
3.	Atvinnufyrirtæki í kaupst./ Industries, Urban	-	-	9	3 177,0	9	3 177,0
4.	Atvinnufyrirtæki í kaupst. varast./ Industries, Urban, reserve	-	-	71	3 915,0	71	3 915,0
5.	Atvinnufyrirtæki í sýslum/ Industries, Rural	5	317,0	53	3 363,5	58	3 680,5
6.	Atvinnufyrirt. í sýslum varast./ Industries, Rural, reserve (Atvinnufyrirtæki alls) (Total industries)	- (5)	- (317,0)	33 (166)	2 253,0 (12 708,5)	33 (171)	2 253,0 (13 025,5)
	Einkastöðvar samtals/ Private Plants Total	284	3 382,0	855	17 022,5	1 139	20 404,5
	Almenningsrafstöðvar/ Public Power Plants	21	243754,0	41	90 343,0	62	334 097,0
	Allar stöðvar samtals/ Grand Total	305	247136,0	896	107 365,5	1 201	354 501,5

EINKASTÖÐVAR EFTIR LANDSHLUTUM

PRIVATE POWER PLANTS ACCORDING TO AREAS

Nr.	Landshlutar/Areas	Sveitabýli Farms	Skólar oph. Schools,etc	Fyrirtæki Industries	Samtals/Total	
		kW	kW	kW	kW	%
0	1	2	3	4	5	6
1.	Suðvesturland/SW	1 701,0	341,5	5 466,0	7 508,5	36,8
2.	Norðvesturland/NW	1 541,0	305,0	1 386,0	3 232,0	15,9
3.	Norðurland/N	1 794,5	180,0	5 150,5	7 125,0	34,9
4.	Austurland/E	1 490,0	26,0	1 023,0	2 539,0	12,4
	Samtals/Total	6 526,5	852,5	13 025,5	20 404,5	100,0

32,0

4,2

63,8

100%

EINKARAFSTÖÐVAR SKÓLA, FELGSHEIMILA O.P.H.

PRIVATE POWER PLANTS; SCHOOLS, ETC.

Nr.	Sýslur/COUNTIES	Vatnsafl/Hydro		Varmaafl/Thermal		Samtals/Total	
		Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW
0	1	2	3	4	5	6	7
1.	Gullbringusýsla	-	-	-	-	-	-
2.	Kjósarsýsla	1	1,5	2	12,0	3	13,5
3.	Borgarfjarðarsýsla	-	-	1	30,0	1	30,0
4.	Mýrasýsla	-	-	1	15,0	1	15,0
5.	Snæfells- og Hnappad.s.	-	-	1	25,0	1	25,0
6.	Dalasýsla	-	-	2	35,5	2	35,5
7.	A. Barðastrandarsýsla	-	-	-	-	-	-
8.	V. Barðastrandarsýsla	-	-	6	69,0	6	69,0
9.	V. Ísafjarðarsýsla	1	35,0	1	30,0	2	65,0
10.	N. Ísafjarðarsýsla	-	-	2	116,0	2	116,0
11.	Strandasýsla	-	-	2	19,5	2	19,5
12.	V. Húnvatnssýsla	-	-	1	35,0	1	35,0
13.	A. Húnvatnssýsla	-	-	-	-	-	-
14.	Skagafjarðarsýsla	-	-	1	50,0	1	50,0
15.	Eyjafjarðarsýsla	-	-	1	6,0	1	6,0
16.	S. Þingeyjarsýsla	-	-	2	54,0	2	54,0
17.	N. Þingeyjarsýsla	-	-	3	35,0	3	35,0
18.	N. Múlasýsla	-	-	1	6,0	1	6,0
19.	S. Múlasýsla	-	-	1	20,0	1	20,0
20.	A. Skátafellssýsla	-	-	-	-	-	-
21.	V. Skátafellssýsla	-	-	-	-	-	-
22.	Rangárvallasýsla	-	-	-	-	-	-
23.	Árnessýsla	1	16,0	10	242,0	11	242,0
Samtals/Total		3	52,5	38	800,0	41	852,5

T A F L A 1. 62

EINKASTÖÐVAR SVEITABYLA

PRIVATE POWER PLANTS: FARMS

Vatnsafl/Hydro			Varmaafl/Thermal			Samtals/Total			Nr.
Stöðvar Plants tala/Nos	Afl Capacity kW	Býli Farms tala/Nos	Stöðvar Plants tala/Nos	Afl Capacity kW	Býli Farms tala/Nos	Stöðvar Plants tala/Nos	Afl Capacity kW	Býli Farms tala/Nos	
2	3	4	5	6	7	8	9	10	0
-	-	-	6	50,0	6	6	50,0	6	1.
-	-	-	6	57,0	4	6	57,0	4	2.
2	11,0	3	4	21,0	4	6	32,0	7	3.
4	38,5	5	37	198,0	36	41	236,5	41	4.
8	92,5	10	27	169,0	27	35	261,5	37	5.
4	38,5	5	54	241,5	55	58	280,0	60	6.
4	33,0	6	30	153,0	30	34	186,0	36	7.
14	165,0	21	47	224,5	45	61	389,5	66	8.
6	65,0	6	10	50,0	9	16	115,0	15	9.
1	8,0	2	37	226,5	32	38	234,5	34	10.
6	35,5	8	51	300,5	50	57	336,0	58	11.
5	48,5	6	8	44,0	8	13	92,5	14	12.
11	84,5	11	9	38,5	9	20	123,0	20	13.
8	79,0	10	16	86,0	16	24	165,0	26	14.
18	168,0	23	3	15,0	3	21	183,0	26	15.
43	763,0	65	25	186,0	21	68	949,0	86	16.
15	168,0	20	24	114,0	25	39	282,0	45	17.
13	156,0	16	116	589,5	116	126	745,5	132	18.
19	164,5	25	70	353,5	66	89	518,0	91	19.
16	126,0	28	19	100,5	16	35	226,5	44	20.
58	481,0	88	39	215,0	36	97	696,0	124	21.
14	200,0	19	5	21,5	5	19	221,5	24	22.
7	87,0	7	11	59,5	11	18	146,5	18	23.
276	3 012,5	384	651	3 514,0	630	927	6 526,5	1 014	

EINKASTÖÐVAR ATVINNUFYRIRTEJA

PRIVATE POWER PLANTS:

Nr.	Sýslur/Counties	Vatnsafl/Hydro		Varmaafl/Thermal	
		Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW
0	1	2	3	4	5
1.	Gullbringusýsla	-	-	6	136,0
2.	Kjósarsýsla	-	-	1	75,0
3.	Borgarfjarðarsýsla	-	-	1	11,0
4.	Mýrasýsla	-	-	1	63,0
5.	Snæfells- og Hnappadalssýsla	-	-	2	27,5
6.	Dalasýsla	-	-	1	8,0
7.	A. Barðastrandarsýsla	-	-	-	-
8.	V. Barðastrandarsýsla	-	-	3	58,0
9.	V. Ísafjarðarsýsla	1	12,0	3	85,0
10.	N. Ísafjarðarsýsla	1	20,0	2	31,0
11.	Strandasýsla	1	100,0	3	94,0
12.	V. Húnvatnssýsla	-	-	-	-
13.	A. Húnvatnssýsla	-	-	3	1 062,0 ¹⁾
14.	Skagafjarðarsýsla	-	-	3	78,0
15.	Eyjafjarðarsýsla	-	-	2	11,0
16.	S. Þingeyjarsýsla	-	-	2	19,0
17.	N. Þingeyjarsýsla	-	-	3	789,0
18.	N. Múlasýsla	-	-	4	273,0
19.	S. Múlasýsla	-	-	4	328,0
20.	A. Skaftafellssýsla	-	-	-	-
21.	V. Skaftafellssýsla	1	110,0	1	30,0
22.	Rangárvallasýsla	-	-	2	136,0
23.	Árnессýsla	1	75,0	6	49,0
Samtals/Total		5	317,0	53	3 363,5

1) Þar af gufuafsstöð 1 000,0 kW

Whereof 1 stream power plant 1 000 kW

I SYSLUM

INDUSTRIES AND OTHER UNDERTAKINGS IN COUNTIES

Samtals/Total		Varaafsl/Reserve		Samtals/Total		Nr.
Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW	
6	7	8	9	10	11	
6	136,0	3	68,0	9	204,0	1.
1	75,0	-	-	1	75,0	2.
1	11,0	3	572,2	4	583,5	3.
1	63,0	1	50,0	2	113,0	4.
2	27,5	2	110,0	4	137,5	5.
1	8,0	-	-	1	8,0	6.
-	-	-	-	-	-	7.
3	58,0	1	10,0	4	68,0	8.
4	97,0	-	-	4	97,0	9.
3	51,0	-	-	3	51,0	10.
4	194,0	4	938,0	8	1 132,0	11.
-	-	2	16,0	2	16,0	12.
3	1 062,0	1	20,0	4	1 082,0	13.
3	78,0	2	21,0	5	99,0	14.
2	11,0	4	121,5	6	132,5	15.
2	19,0	1	6,0	3	25,0	16.
3	789,0	-	-	3	789,0	17.
4	273,0	-	-	4	273,0	18.
4	328,0	2	90,0	6	418,0	19.
-	-	1	11,0	1	11,0	20.
2	140,0	2	98,0	4	238,0	21.
2	136,0	1	15,0	3	151,0	22.
7	124,0	3	106,0	10	230,0	23.
58	3 680,5	33	2 253,0	91	5 933,5	

EINKASTÖÐVAR ATVINNUFYRIRTEKJA Í KAUPSTÖÐUM

PRIVATE POWER PLANTS: INDUSTRIES AND OTHER COMMERCIAL UNDERTAKINGS IN TOWNS

Nr.	Kaupstaðir/ Towns	Vatnsafl/Hydro		Varmaafl/Thermal		Varaafsl/Reserve		Samtals/Total	
		Stöðvar Plants tala/No	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW	Stöðvar Plants tala/Nos	Afl Capacity kW
0	1	2	3	4	5	6	7	8	9
1.	Reykjavík	-	-	-	-	29	2 317,5	29	2 317,5
2.	Hafnarfjörður	-	-	-	-	1	32,0	1	32,0
3.	Akranes	-	-	-	-	5	278,5	5	278,5
4.	Ísafjörður	-	-	-	-	1	30,0	1	30,0
5.	Siglufjörður	-	-	3	1 785,0 ¹⁾	-	-	3	1 785,0
6.	Ólafsfjörður	-	-	-	-	1	50,0	1	50,0
7.	Akureyri	-	-	1	125,0 ²⁾	29	891,0	30	1 016,0
8.	Húsavík	-	-	-	-	3	156,0	3	156,0
9.	Seyðisfjörður	-	-	1	321,0	-	-	1	321,0
10.	Vestmannaeyjar	-	-	4	946,0	2	160,0	6	1 106,0
Samtals/ Total		-	-	9	3 177,0	71	3 915,0	80	7 092,0

T A F L A 1.7

RAFMAGNSVEITUR RÍKISINS: RAFVÆDD BYLI 1965-1970

THE STATE ELECTRIC UTILITIES: ELECTRIFIED FARMS

No.	Sýslur Counties	1965		1966		1967		1968		1969		1970	
		Alls Total	Aukn. Incr.	Alls Total									
1.	Gullbringu- og Kjósarsýsla	57	-	57	2	59	-	59	-	59	-	59	
2.	Borgarfjarðar- og Mýrasýsla	239	50	289	24	313	22	335	11	346	2	348	
3.	Snæfellsnes- og Hnappadalssýsla	75	-	75	1	76	52	128	19	147	5	152	
4.	Dalasýsla	59	31	90	1	91	-	91	1	92	2	94	
5.	Austur- Barðastrandarsýsla	40	-	40	-	40	-	40	2	42	-	42	
6.	Ísafjarðarsýslur	54	2	56	11	67	-	67	4	71	1	72	
7.	Strandasýsla	26	-	26	4	30	1	31	-	31	23	54	
8.	Húnvatnssýslur	191	14	205	37	242	6	248	16	264	41	305	
9.	Skagafjarðarsýsla	315	5	320	12	332	1	333	5	338	15	353	
10.	Eyjafjarðarsýsla	339	6	345	4	349	-	349	2	351	5	356	
11.	Þingeyjarsýslur	299	62	361	24	385	10	395	37	432	33	465	
12.	Múlasýslur	132	16	148	14	162	16	178	29	207	24	231	
13.	Skaftafellssýslur	129	-	129	6	135	1	136	5	141	22	163	
14.	Rangárvallasýsla	451	5	456	7	463	9	472	3	475	3	478	
15.	Árnessýsla	467	24	491	31	522	5	527	11	538	9	547	
		Samtals/Total	2 873	215	3 088	178	3 266	123	3389	145	3534	185	3719

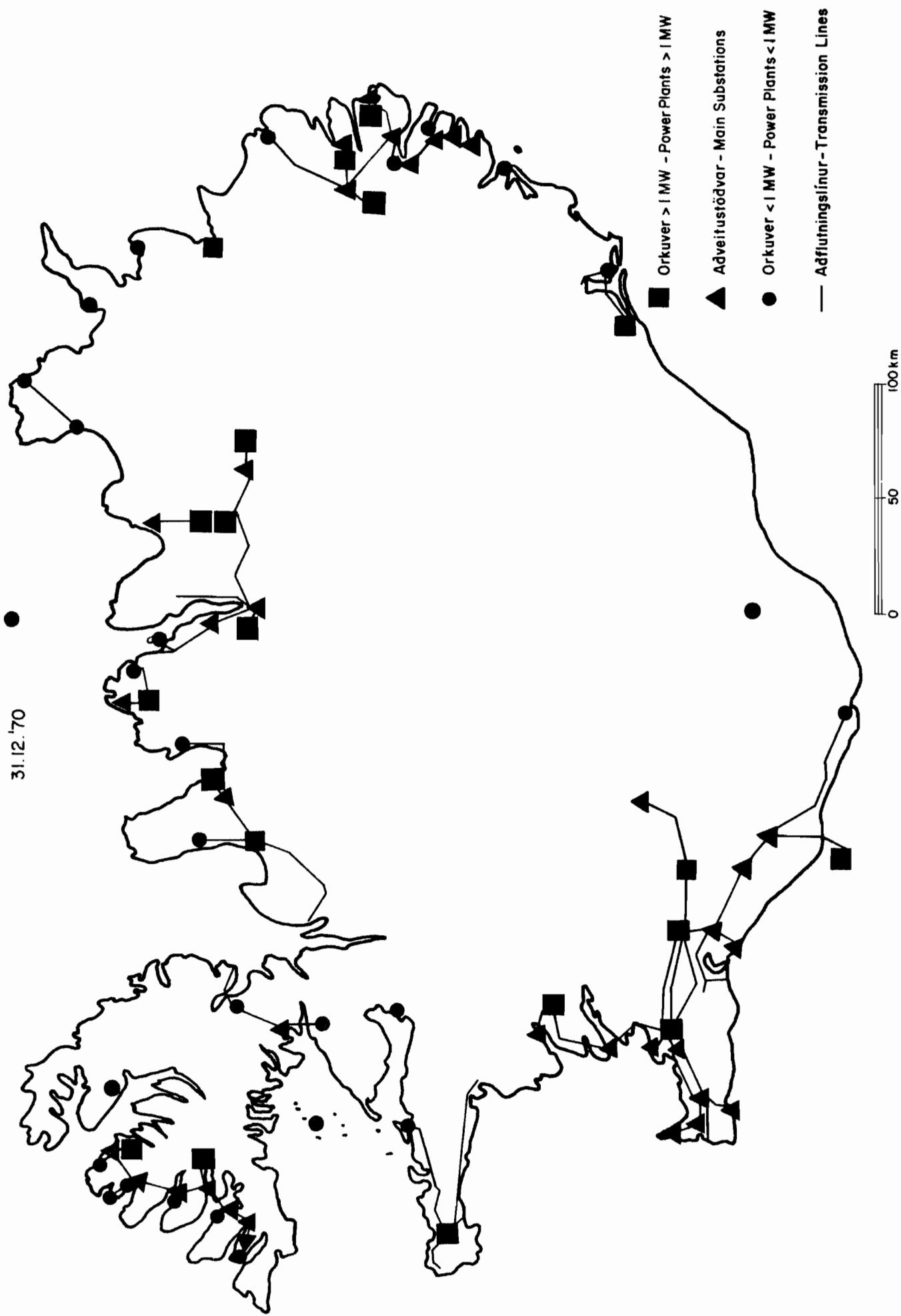
		1 9 7 0			1 9 6 9			69/70 Aukn.orku/ Increase in Energy %
		Afl/ Power kW	Orka/ Energy MWh	Nýt.tími/ Utilisat. h	Afl/ Power kW	Orka/ Energy MWh	Nýt.tími/ Utilisat. h	
1.	<u>Landsvirkjun:</u>	193.310	1.157.425	.	159.060	637.685	.	81,5
	Rafmagnsv. Rvíkur*	56.220	243.444	4.330	54.060	234.198	4.332	3,9
	Rafveita Hafnarfj.*	6.090	34.487	5.663	6.600	36.068	5.465	+ 4,4
	Áburðarverksm.h.f.*	16.000	108.328	6.771	10.500	59.302	5.648	82,7
	Álverksm. h.f.*	88.000	614.011	6.977	62.000	162.388	2.619	.
	Rafmagnsv. rík.	27.000	157.155	5.835	25.900	145.729	5.627	7,8
2.	<u>Andakílsárvirkjun:</u>	6.494	34.894	.	6.432	35.308	.	+ 1,2
	Rafveita Akraness*	4.406	23.964	5.439	4.435	25.606	5.774	+ 6,4
	Rafveita Borgarness*	1.013	5.144	5.078	1.008	4.563	4.527	12,7
	Hvanneyri*	180	1.261	7.006	180	1.326	7.367	+ 4,9
	Rafmagnsveitur rík.	895	4.525	5.056	809	3.813	4.713	18,7
3.	<u>Laxárvirkjun:</u>	19.013	95.137	.	17.496	85.159	.	11,7
	Rafveita Akureyrar*	12.103	60.006	4.958	11.166	55.154	4.939	8,8
	Rafmagnsv. rík.	6.910	35.131	5.084	6.330	30.005	4.740	17,1
4.	<u>Rafmagnsveitur rík.</u>	61.432	269.810	.	56.920	242.170	.	11,4
	<u>Rafv. bæjar og sv.f.</u>	17.516	77.835	.	16.378	72.568	.	7,3
	Rafv. Vatnsl.str.hr.*	295	1.135	3.847	292	1.066	3.651	6,5
	Rafv. Njarðvfkur*	1.193	5.577	4.675	1.104	5.043	4.568	10,6
	Rafv. Keflavíkur*	3.726	16.680	4.477	3.445	15.202	4.413	9,7
	Rafv. Gerðahrepps*	507	2.353	4.641	521	2.265	4.347	3,9
	Rafv. Miðnesshr.*	907	3.188	3.515	922	3.170	3.438	0,6
	Rafv. Grindavíkur*	1.363	6.160	4.519	1.255	5.992	4.775	2,8
	Rafv. Eyrarbakka*	441	1.725	3.912	420	1.694	4.033	1,8
	Rafv. Stokkseyrar*	347	1.538	4.432	352	1.481	4.207	3,8
	Rafv. Selfoss*	1.716	6.801	3.963	1.653	6.590	3.987	3,2
	Rafv. Hveragerðis*	578	2.155	3.728	522	2.063	3.952	4,5
	Rafv. Vestmannaeyja*	2.556	14.697	5.750	2.160	12.745	5.900	15,3
	Rafv. Patrekshr.*	572	2.776	4.853	542	2.555	4.714	8,6
	Rafv. Ísafjarðar*	634	2.884	4.549	648	3.097	4.779	+ 6,9
	Rafv. Sauðárkrúks*	941	3.245	3.448	875	3.110	3.554	4,3
	Rafv. Húsavíkur*	1.260	6.277	4.982	1.231	6.013	4.885	4,4
	Rafv. Reyðarfj.*	480	644	1.342	436	482	1.106	33,6
	<u>Eigin veitur:</u>	32.286	123.377	.	29.707	107.616	.	14,6
	Reykjanes*	362	1.329	3.671	381	1.199	3.147	10,8
	Miðvesturland*	5.198	19.754	3.800	4.689	17.734	3.782	11,4
	Vestfirðir*	3.356	12.285	3.661	3.023	11.045	3.654	11,2
	Norðurland vestra*	3.028	11.510	3.801	3.100	10.271	3.313	12,1
	Norðurland eystra*	5.631	28.431	5.049	5.491	24.162	4.400	17,7
	Austurland*	8.332	25.829	3.100	7.330	22.140	3.020	16,7
	Suðurland*	6.379	24.239	3.800	5.693	21.065	3.700	15,1

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ELECTRICITY

		1 9 7 0			1 9 6 9			69/70 Aukn.orku/ Increase in Energy %
		Afl Power kW	Orka/ Energy MWh	Nyt.tími/ Utilisat. h	Afl Power kW	Orka/ Energy MWh	Nyt.tími/ Utilisat. h	
	Aðrir:	11.630	68.598	.	10.835	61.986	.	10,7
	Keflavíkurflugv.*	7.198	49.973	6.943	6.946	47.658	6.861	4,9
	Kísiliðjan h.f.*	1.480	7.570	5.115	908	4.804	5.291	57,6
	Andakílsárvirkjun	2.952	11.055	3.745	2.981	9.524	3.195	16,1
5.	Rafmagnsv. Reykjav.	1.300	694	.	870	214	246	.
	Rafmagnsv. Reykjav.*	1.300	694	534	870	214	246	.
6.	Rafveita Vestmannae.:	3.643	1.651	.	1.814	1.154	636	43,1
	Rafveita Vestm.eyja*	2.143	1.474	688	1.814	1.154	636	27,7
	Rafm.v. rík.	1.500	78	52	-	-	-	.
	Landsvirkjun	-	99	.	-	-	-	.
7.	Rafveita Patrekshr.	-	42	.	-	6	.	.
	Rafveita Patrekshr.*	-	-	.	-	6	.	.
	Rafmagnsveitur rík.	-	42	.	-	-	-	.
8.	Rafveita Ísafjarðar:	1.591	4.615	.	1.687	3.749	.	23,1
	Rafveita Ísafj.*	1.435	3.802	2.649	1.520	3.220	2.118	18,1
	Rafmagnsv. rík.	156	813	5.212	167	529	3.168	53,7
9.	Rafveita Snæfjalla	60	252	.	63	244	.	3,3
	Rafveita Snæfjalla*	60	252	4.200	63	244	3.873	3,3
10.	Rafveita Siglufjarðar	2.173	7.222	.	2.241	9.001	.	± 19,8
	Rafveita Siglufj.*	1.555	5.900	3.794	1.620	7.758	4.789	± 24,0
	Rafmagnsv. rík.	618	1.322	2.139	621	1.243	2.002	6,4
11.	Rafveita Reyðarfj.:	210	840	.	...	760	.	10,5
	Rafveita Reyðarfj.*	210	840	4.000	170	760	4.471	10,5
	Rafmagnsv. rík.	.	.	.	...	...	.	.
	Sala til endanlegra heildsölukaupenda/ Final Bulk Sales	249.095	1362.242	.	209.945	824.607	.	65,2

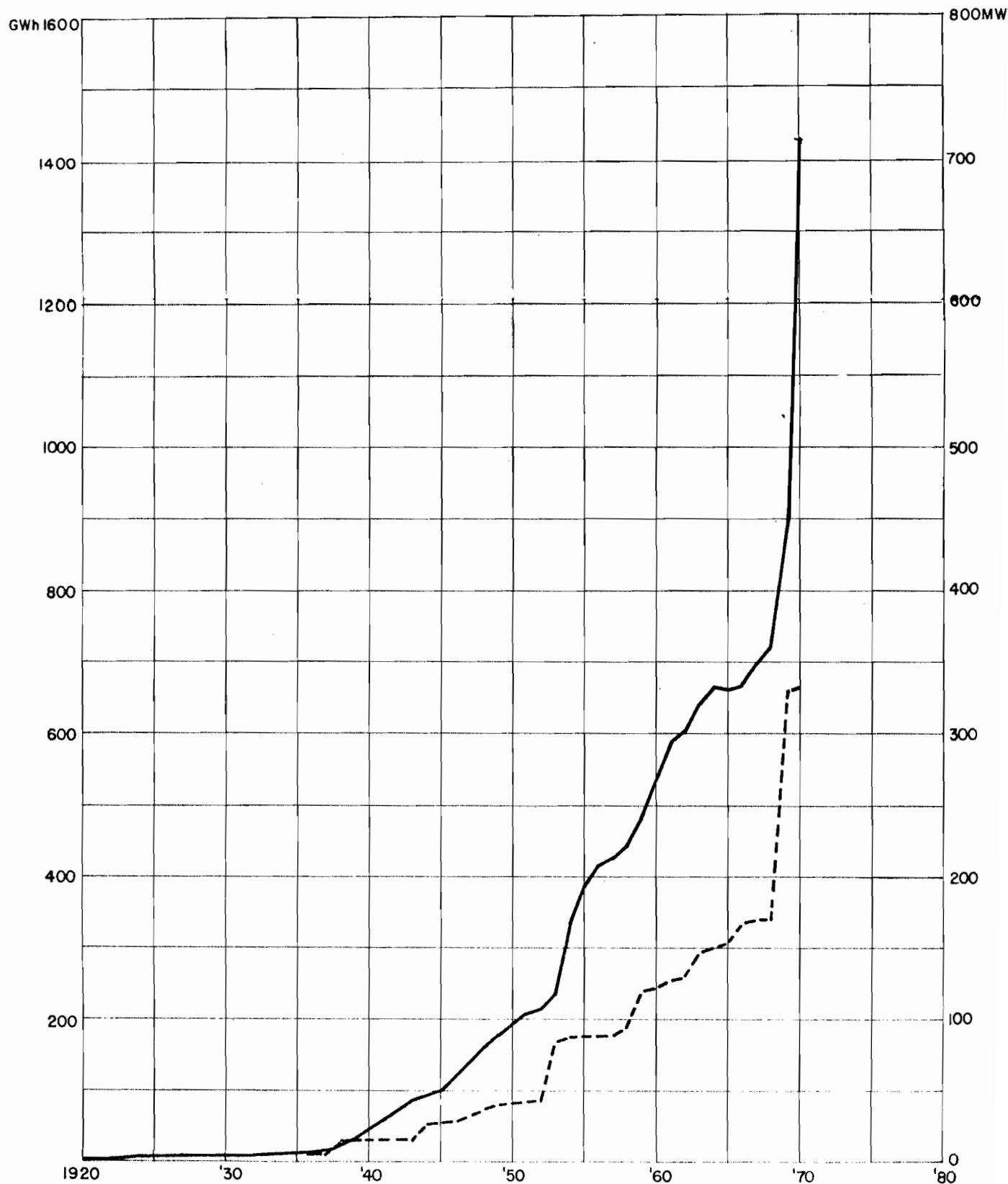
ORKUVER, ADFLUTNINGSLÍNUR OG HELZTU AÐVEITUSTÖÐVAR Á ÍSLANDI
POWER PLANTS, TRANSMISSION LINES AND MAIN SUBSTATIONS IN ICELAND



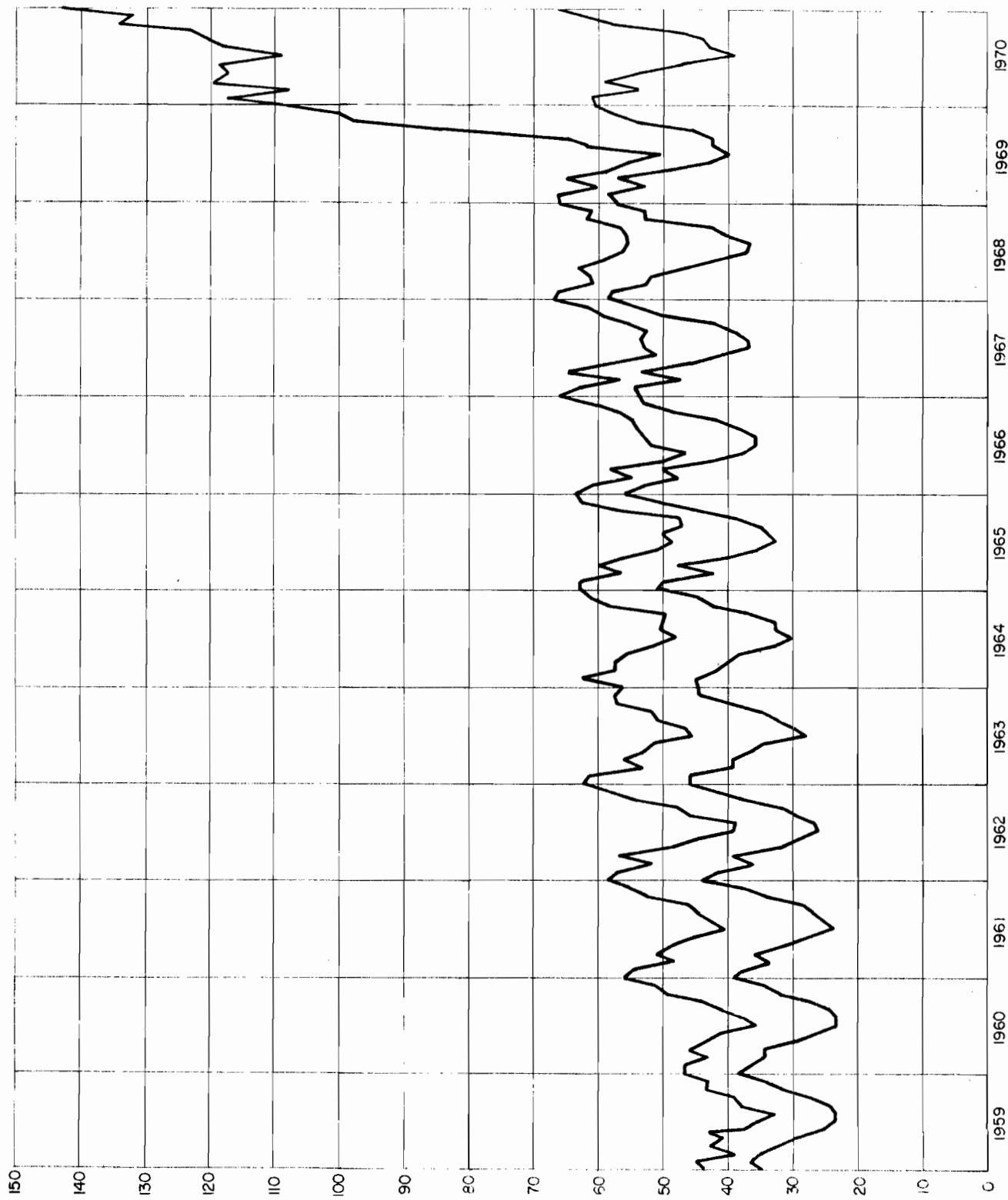
ALMENNINGSRAFSTÖÐVAR

PUBLIC POWER PLANTS 1920-1970

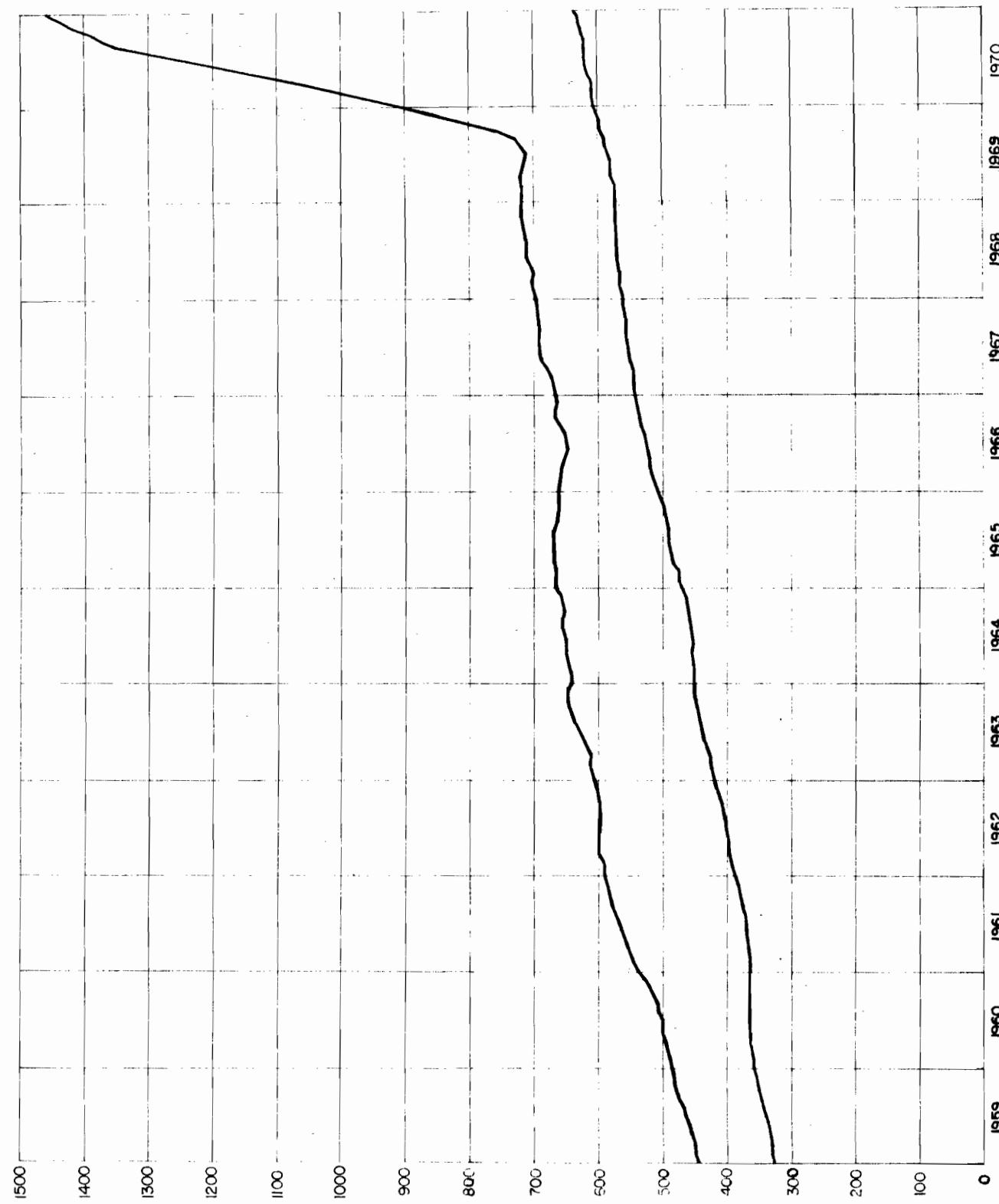
- ORKUVINNSLA GWh/ÁRI, Generation GWh/year
--- UPPSETT AFL MW, Installed capacity MW



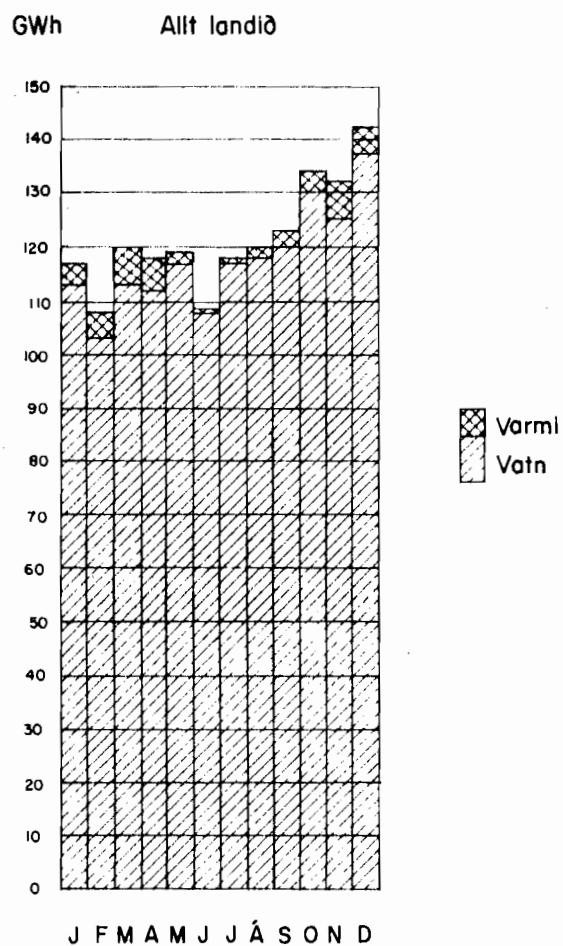
Mánaðarleg orkuvinnsla og almann notkun 1959-1970



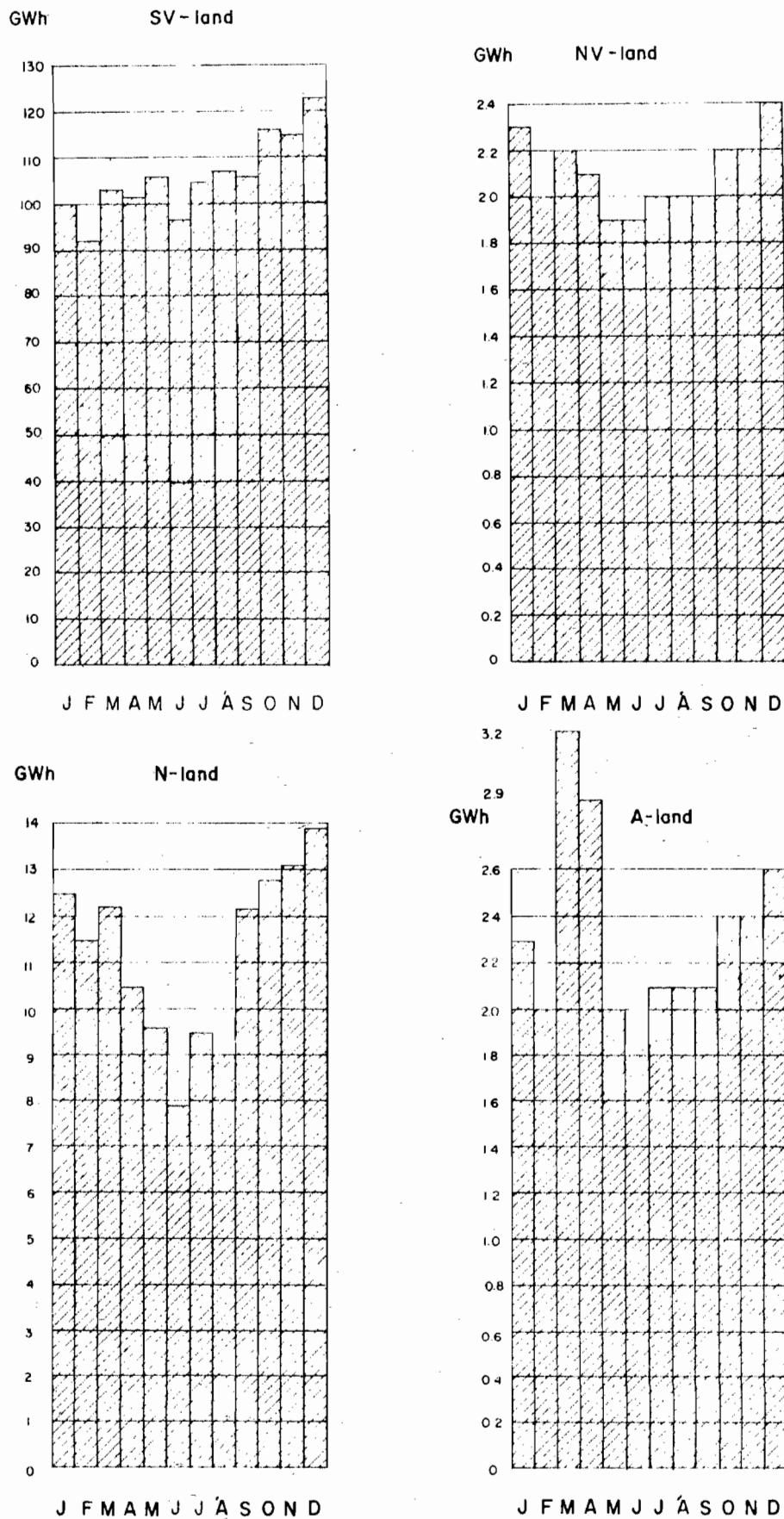
Orkuvinnslu og aðmenn notkun síðustu
12 mánaða á hverjum tíma 1959-1970



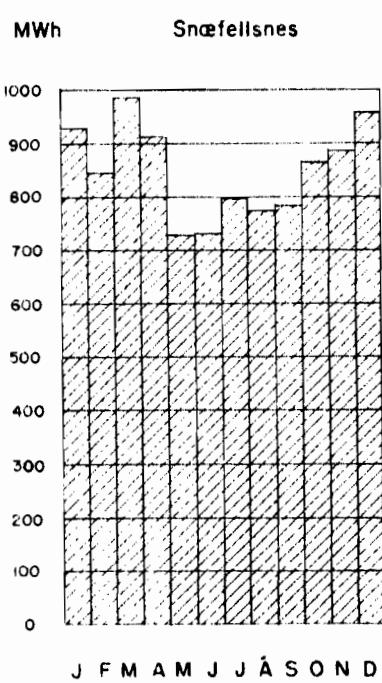
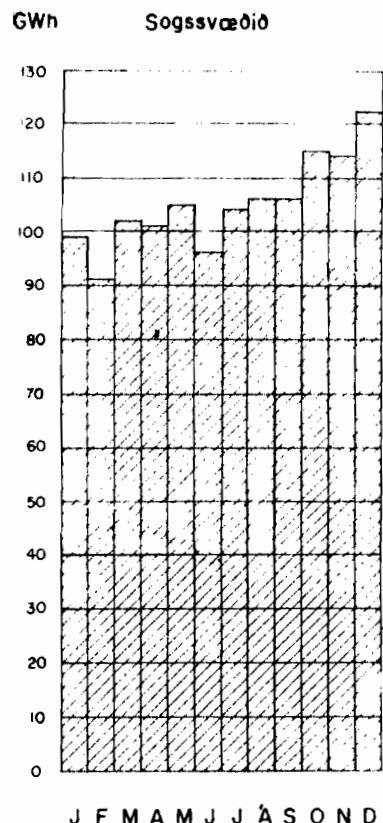
MÁNAÐARLEG ORKUVINNSLA 1970



MÁNAÐARLEG ORKUVINNSLA 1970

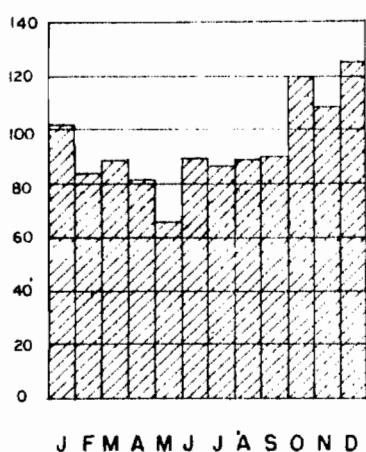


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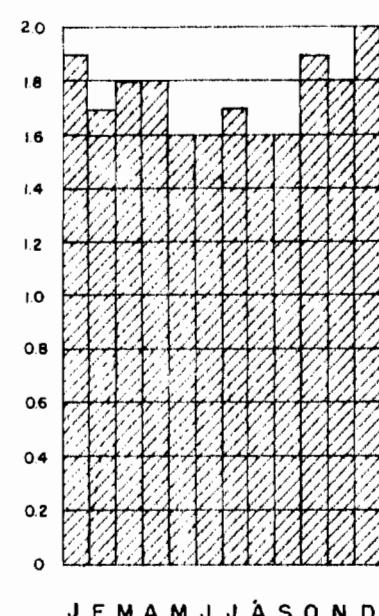


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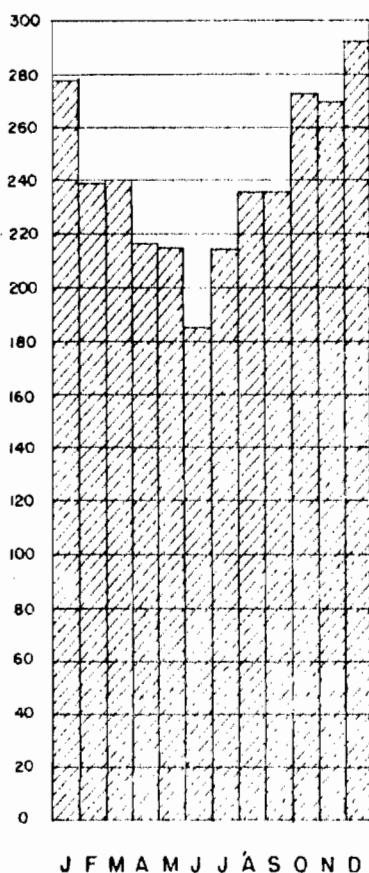
MWh Búðardalur



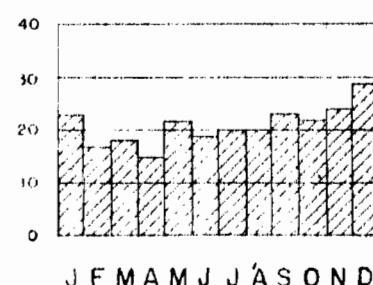
GWh Vestfirðir



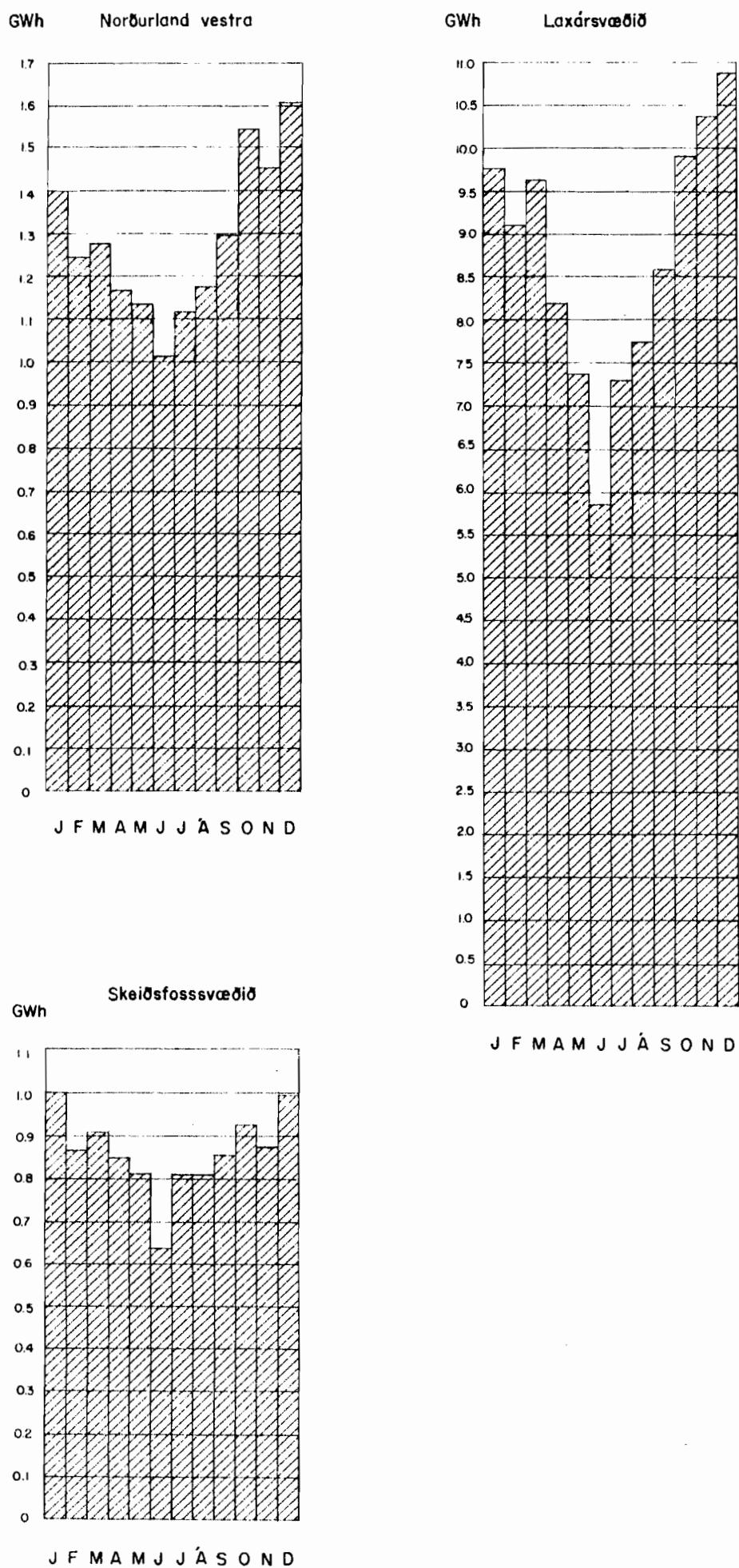
MWh Þverársvæðið



MWh Mýraá

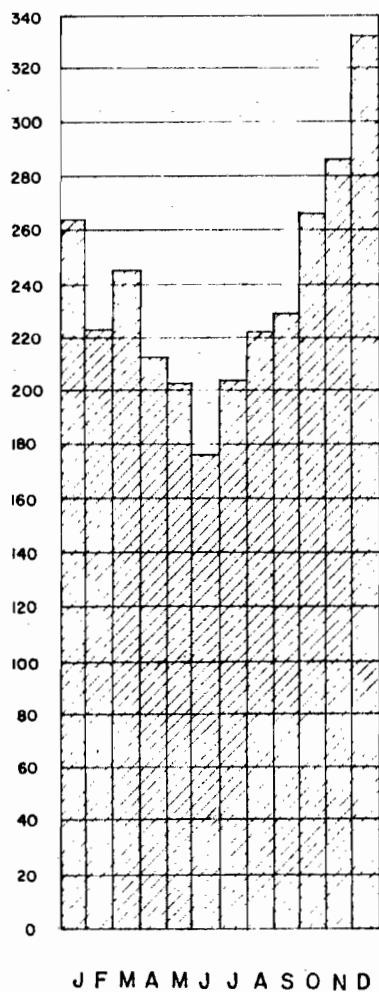


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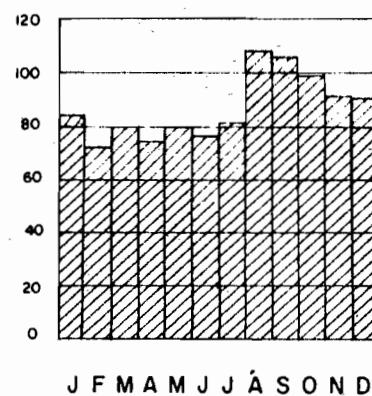


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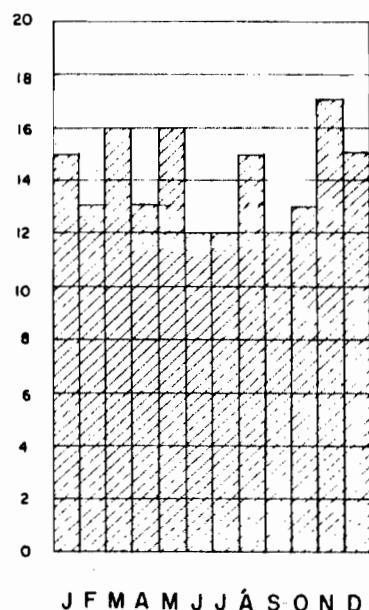
MWh Raufarhöfn



MWh Þórhöfn

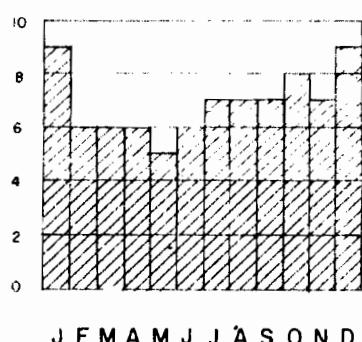


MWh Grímsey

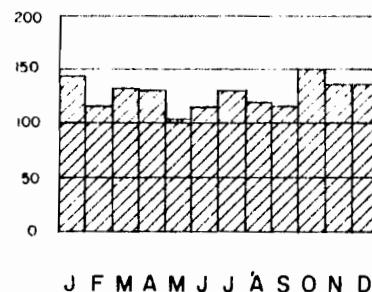


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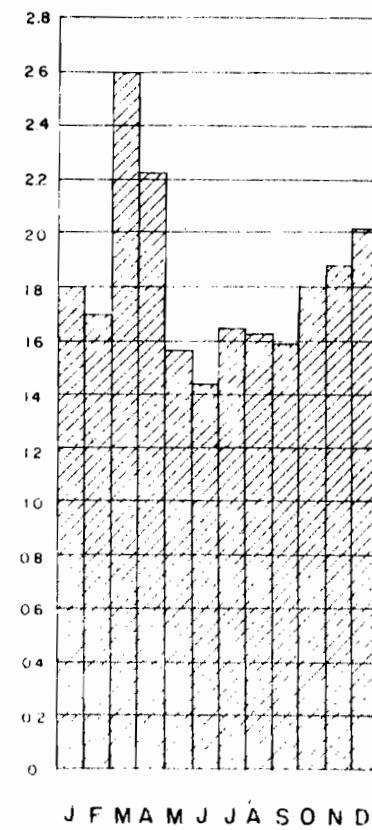
MWh Bakkafjördur



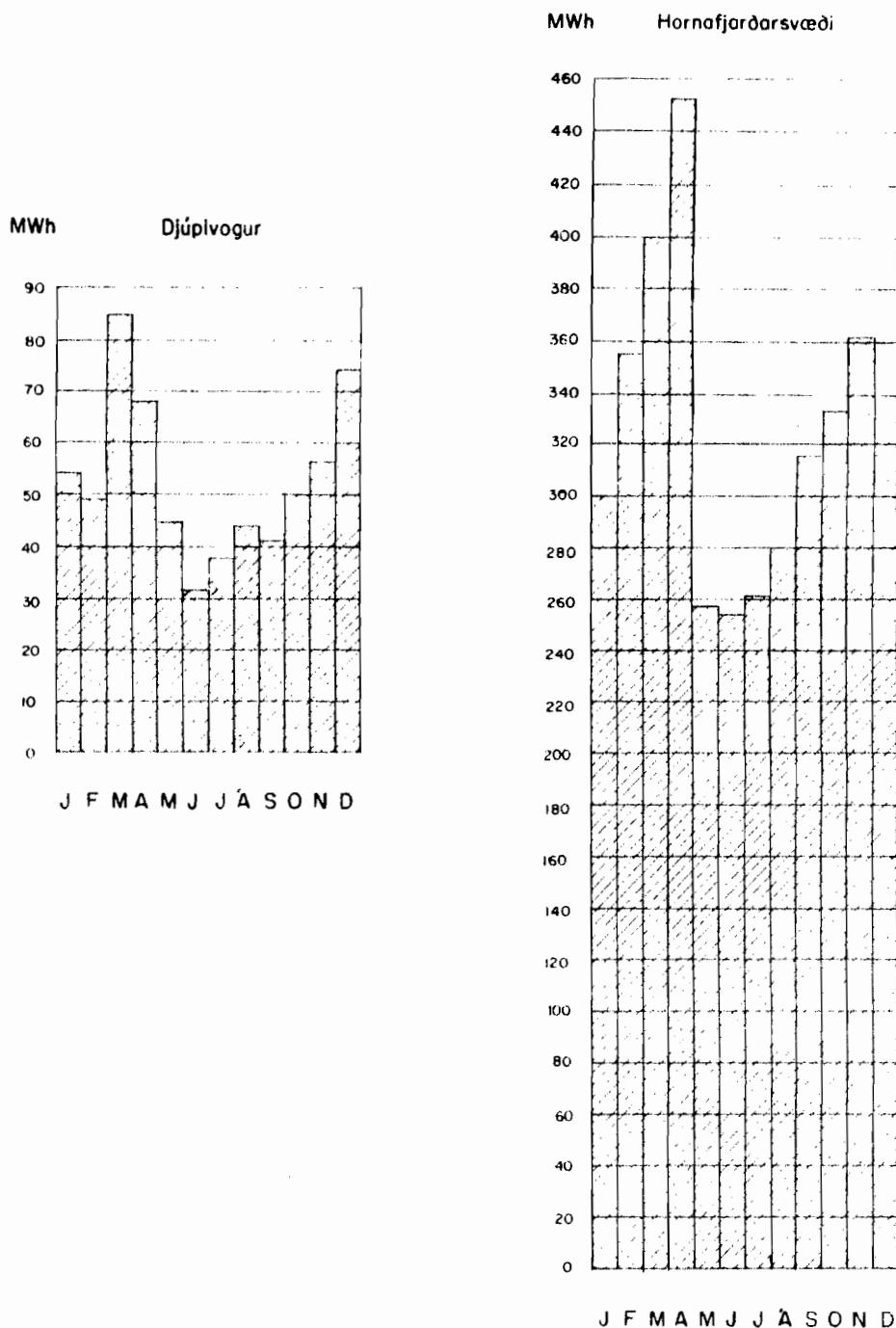
MWh Vopnafjördur

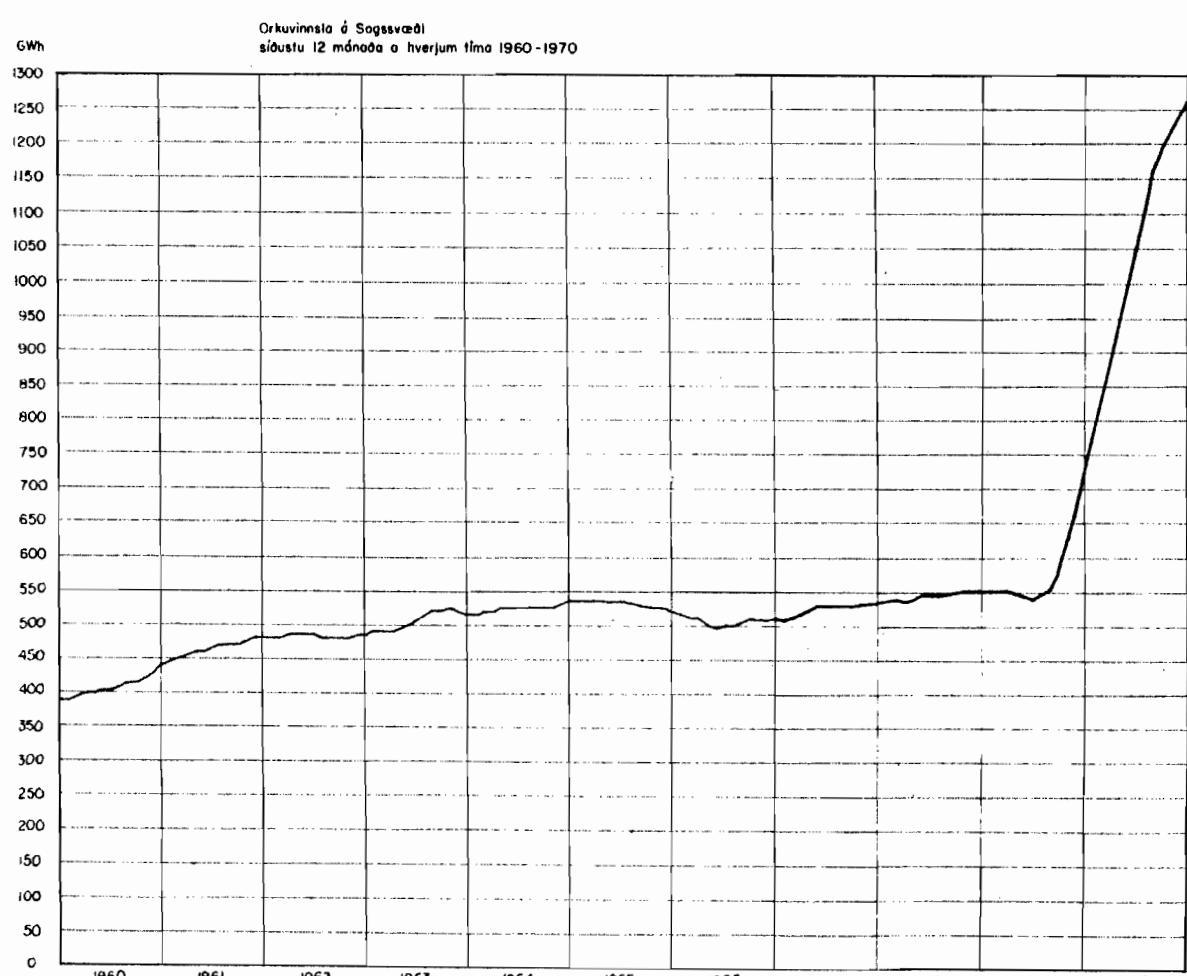
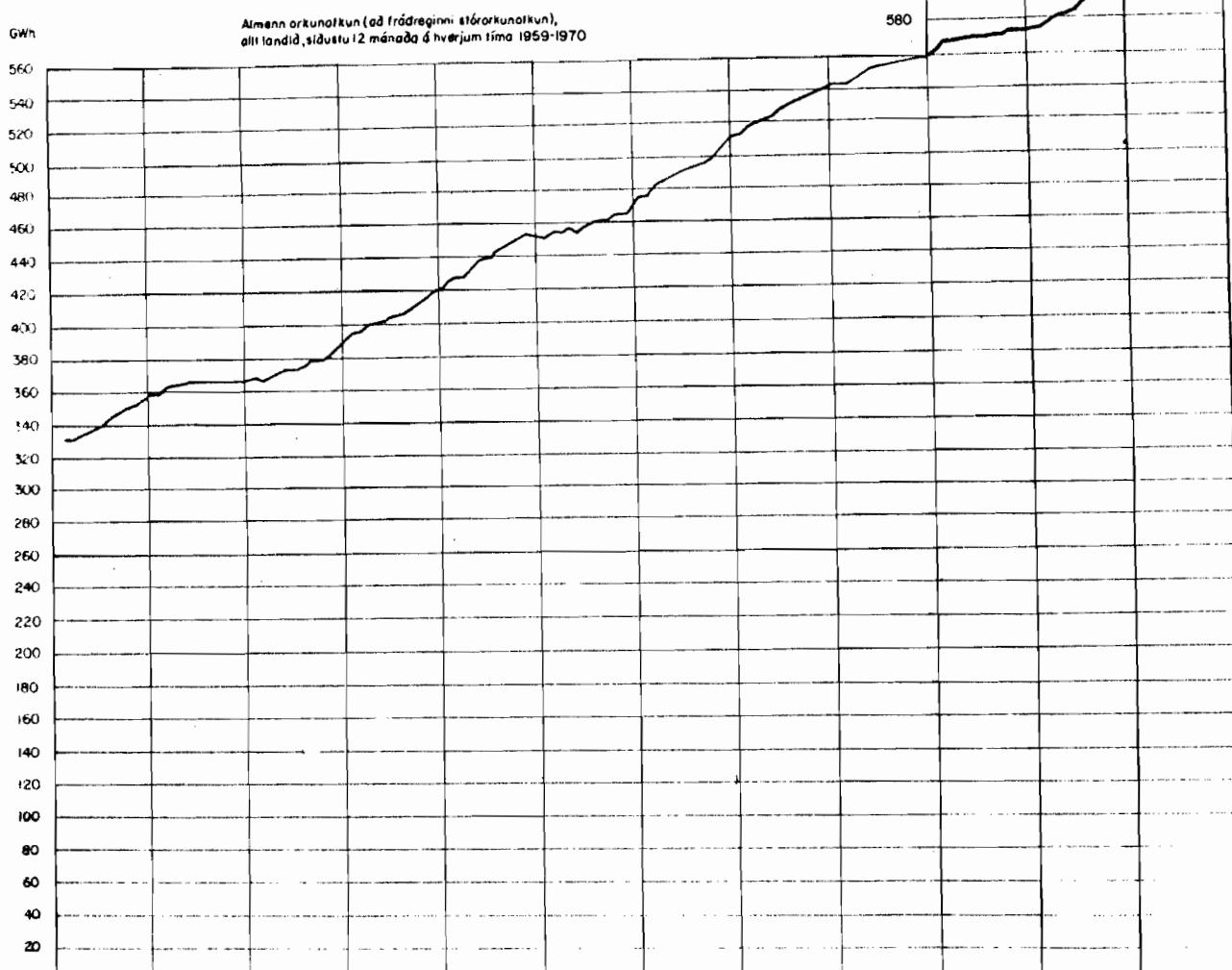


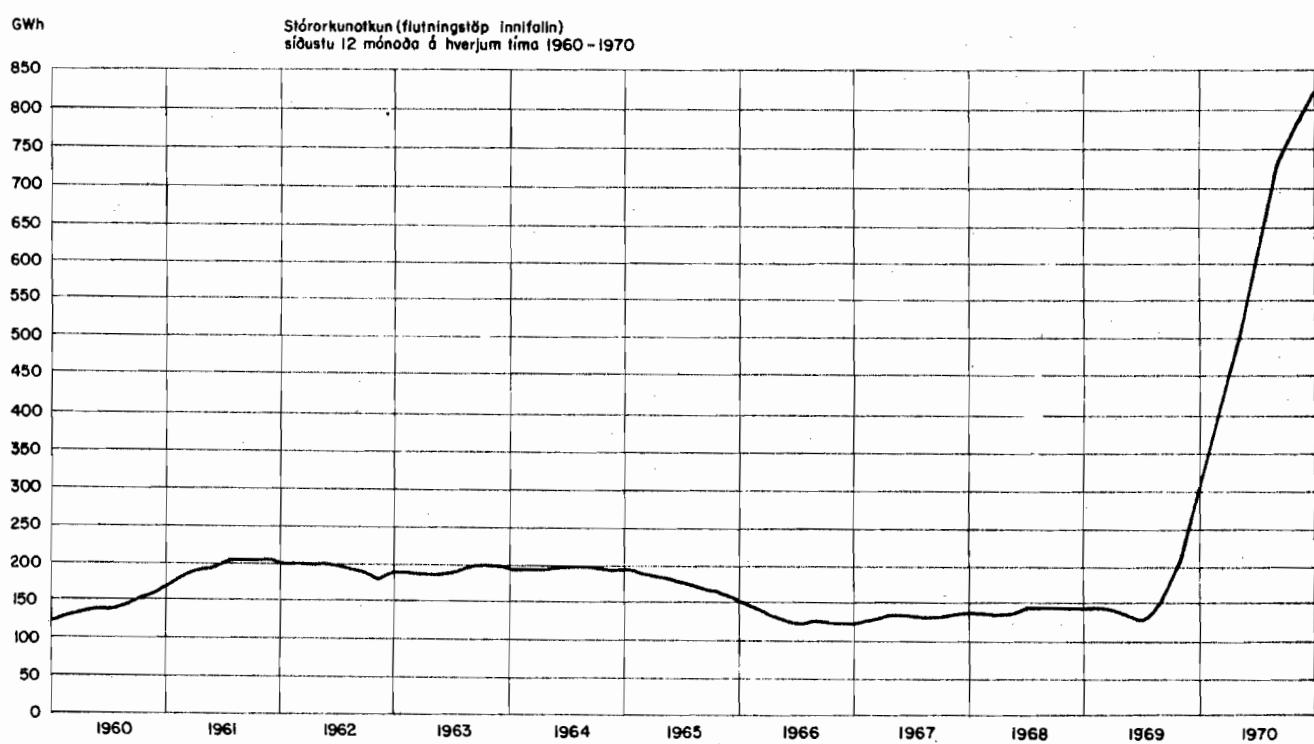
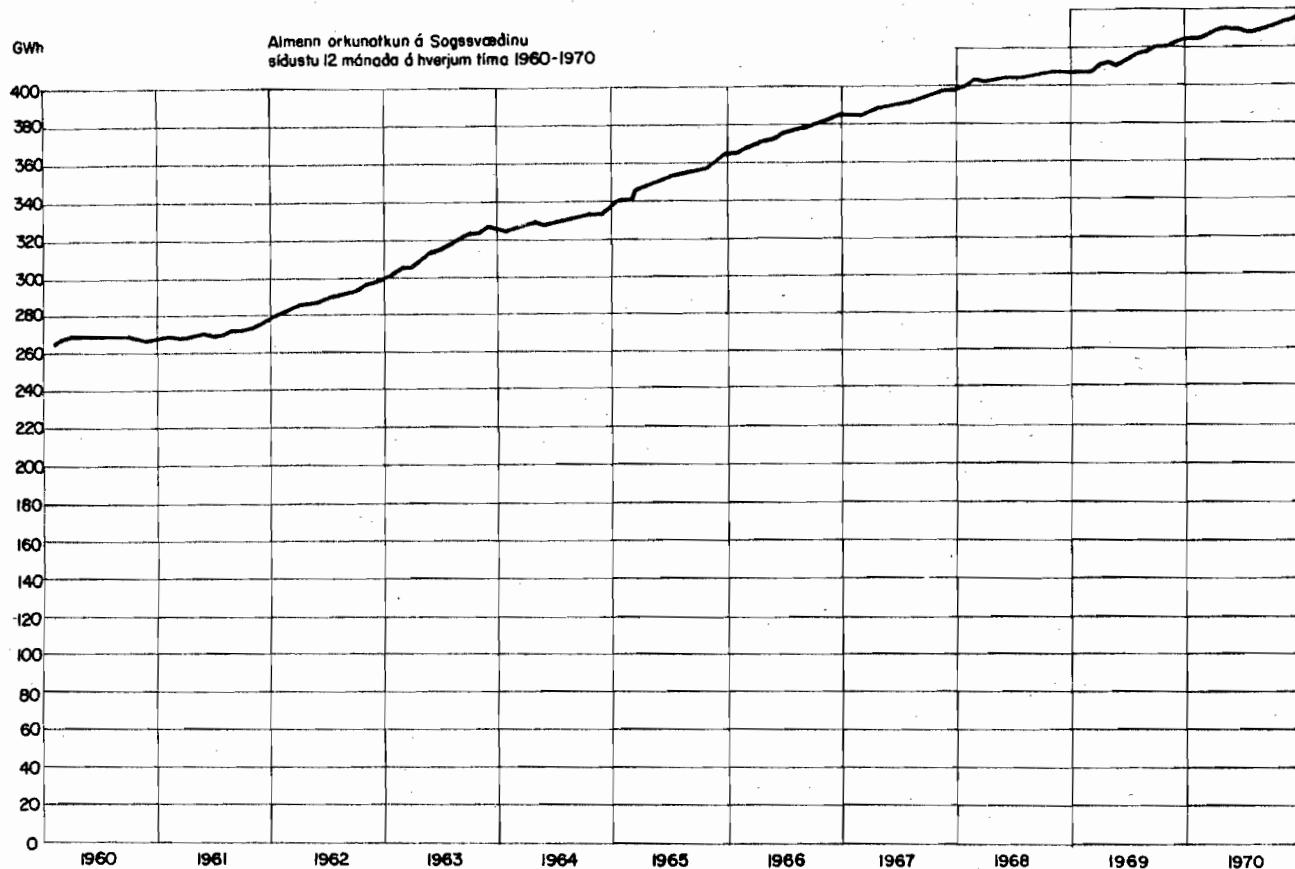
GWh Grímsárvæði

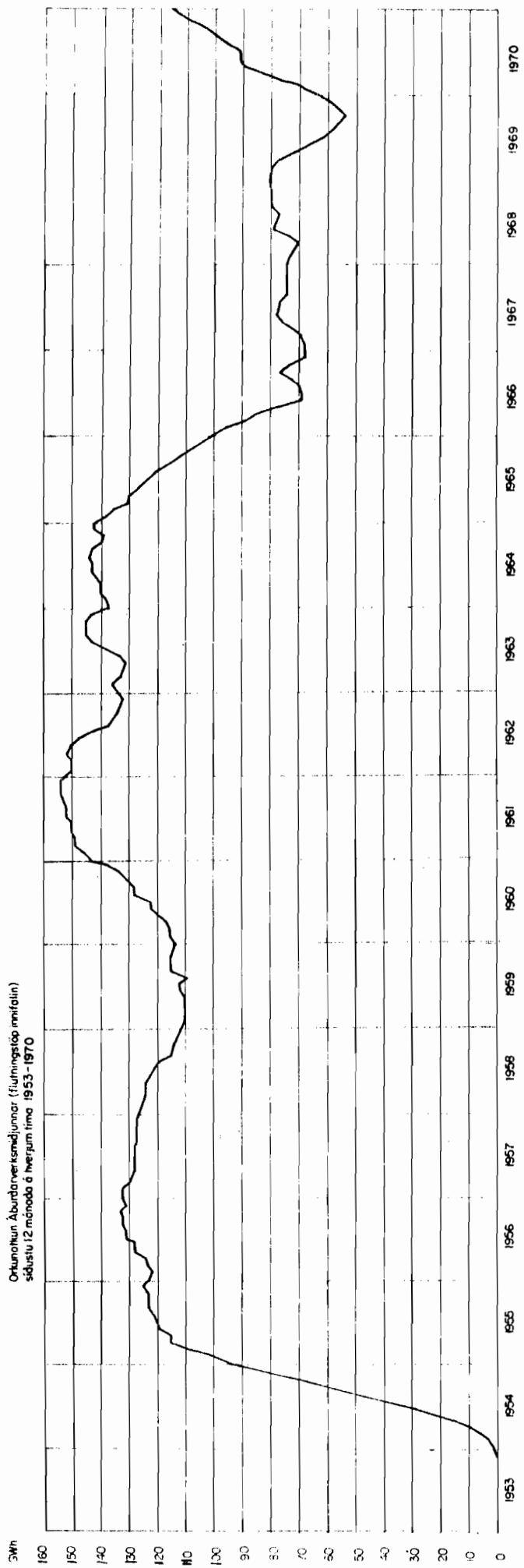


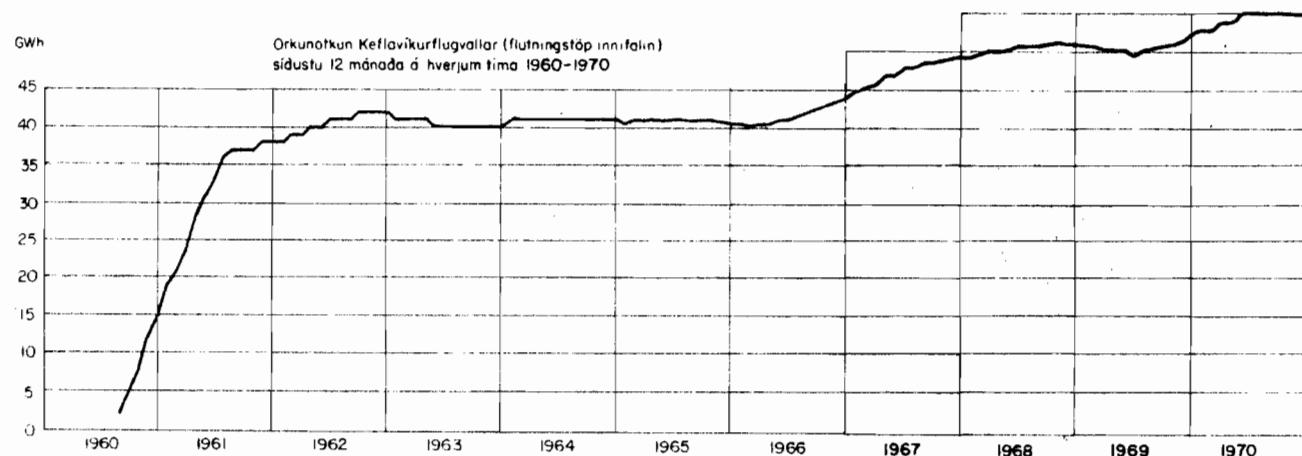
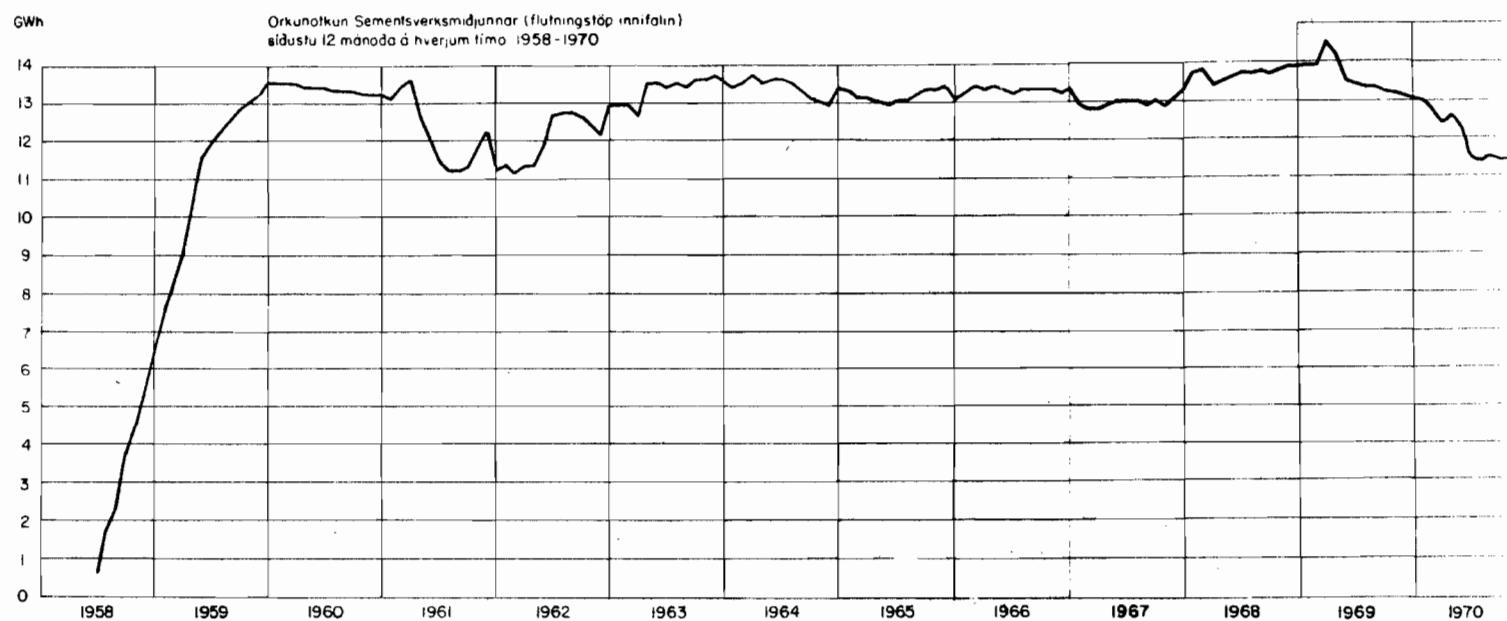
MÁNAÐARLEG ORKUVINNSLA 1970



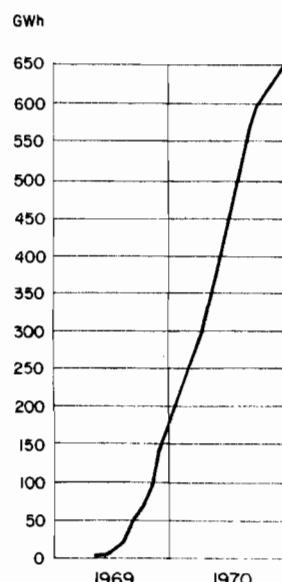




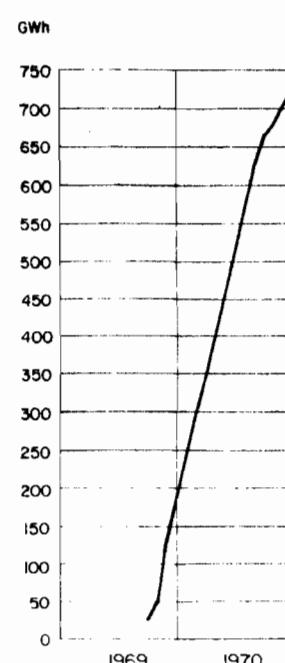




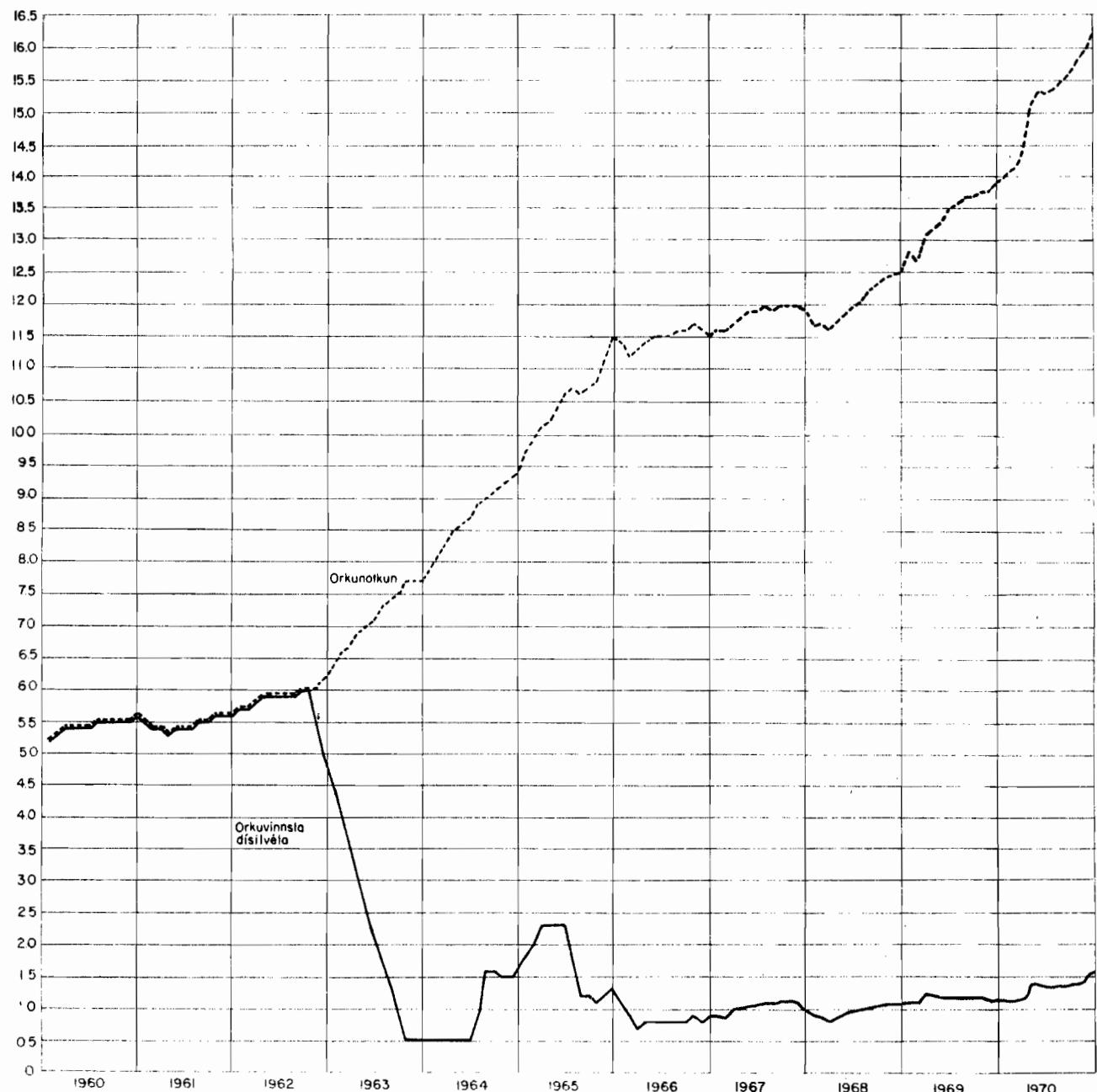
Orkunotkun Álverksmiðjunnar (flutningstöp innifolin)
 síðustu 12 mánaða á hverjum tíma 1969-1970



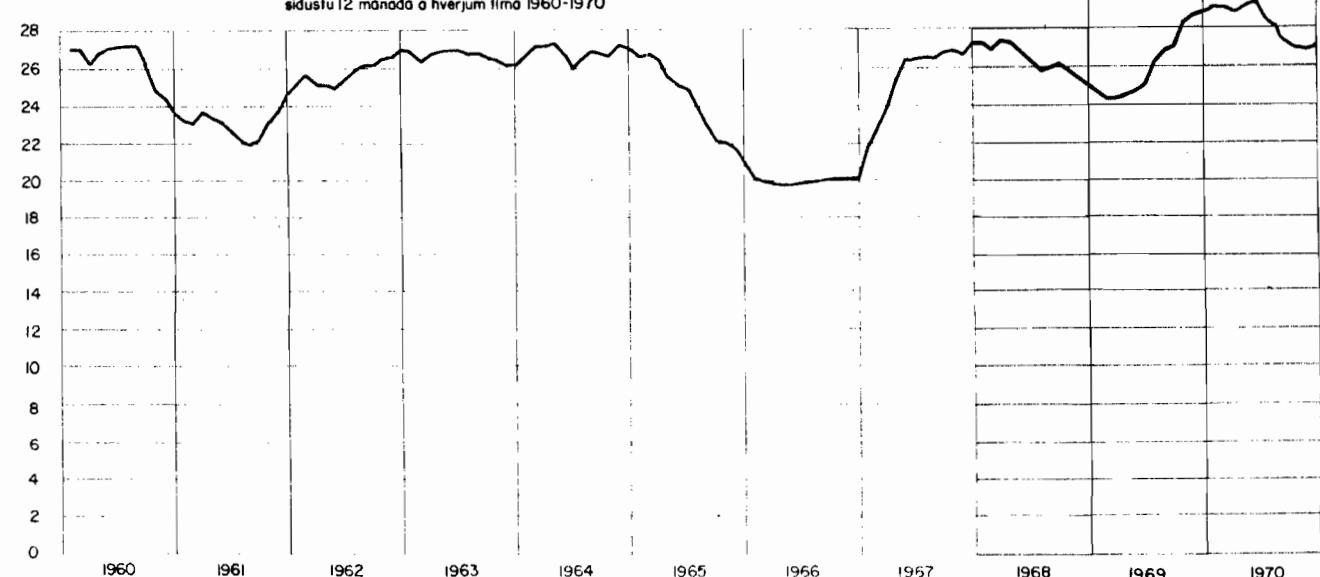
Orkuvinnslu Búrfellsþirkjunar
 síðustu 12 mánaða á hverjum tíma 1969-1970



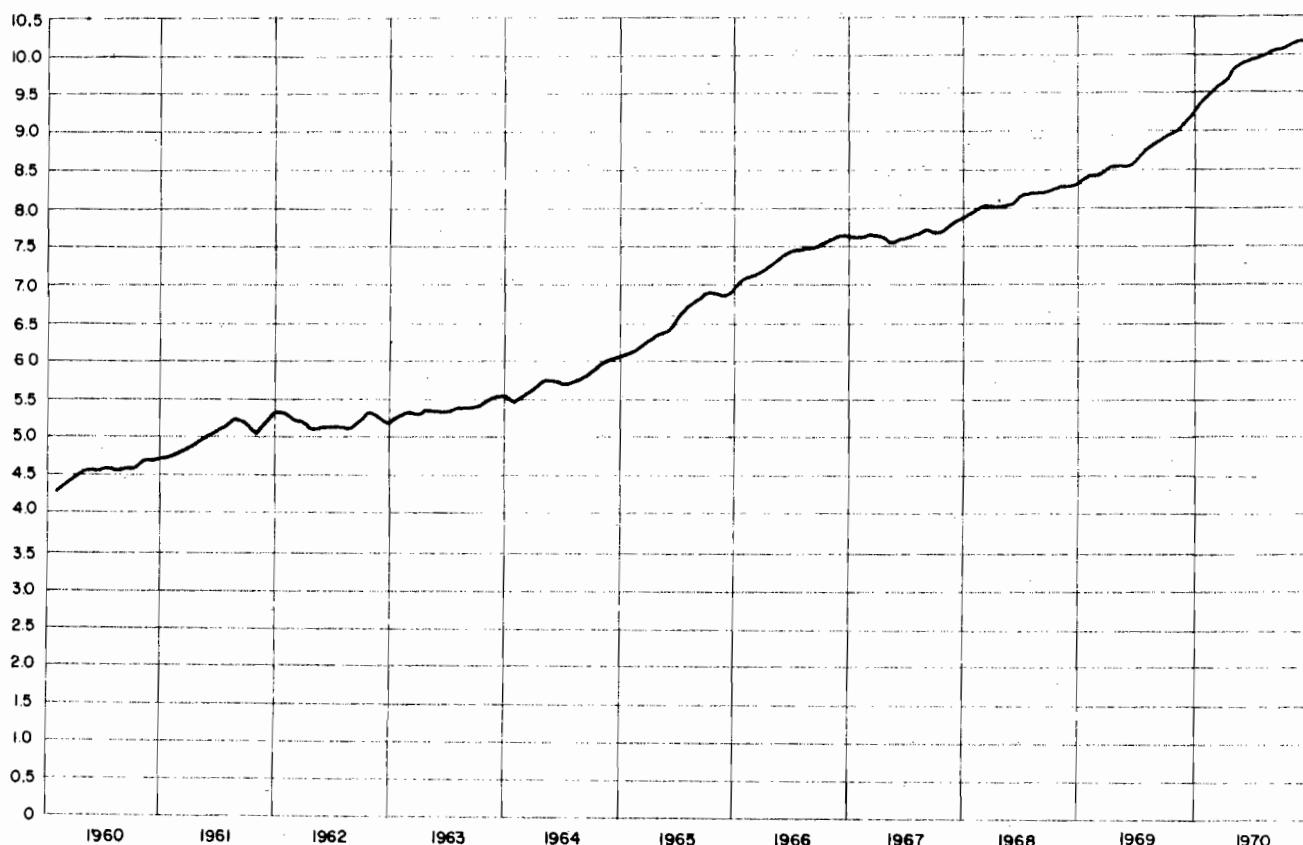
Orkunotkun Vestmonnaeyjo
 síðustu 12 mánaða á hverjum tíma 1960 - 1970
 GWh



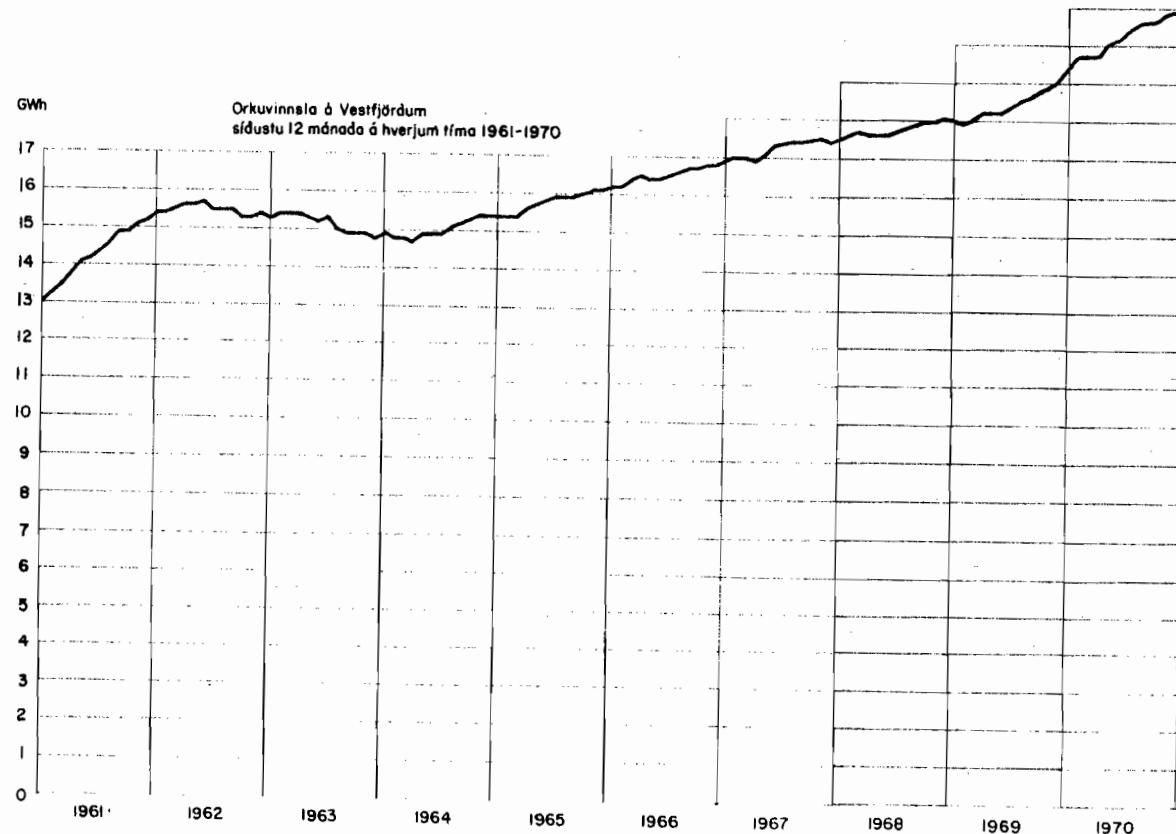
Orkuvinnsla Andakilsórvirkjunar
 síðustu 12 mánaða á hverjum tíma 1960-1970
 GWh

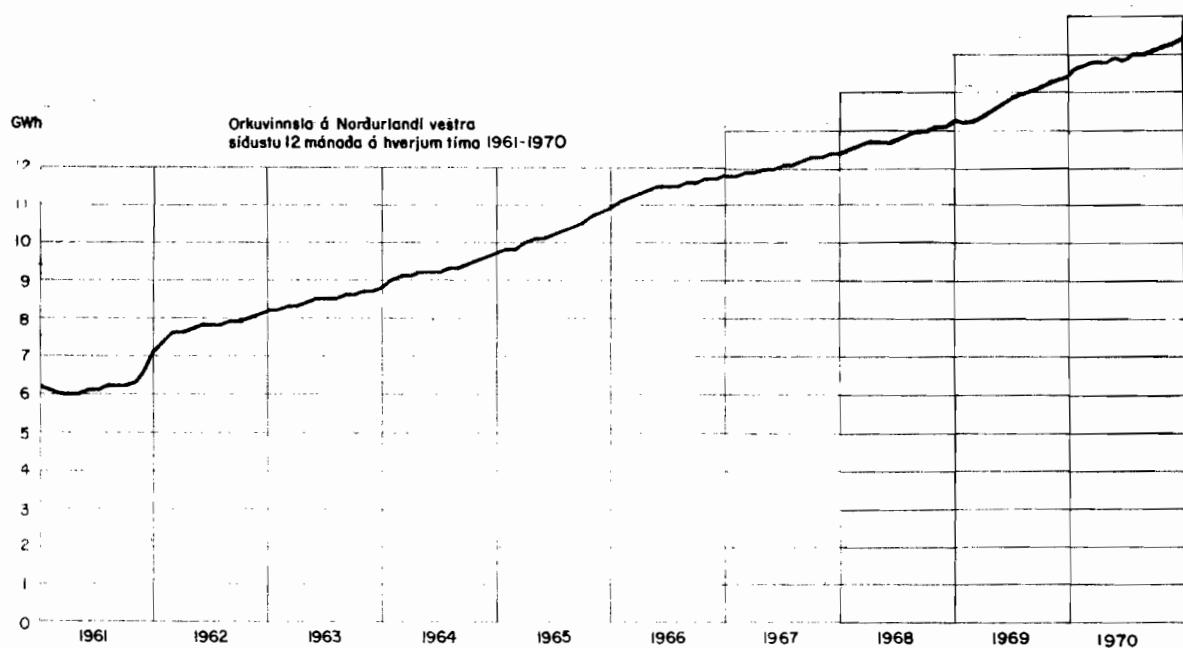
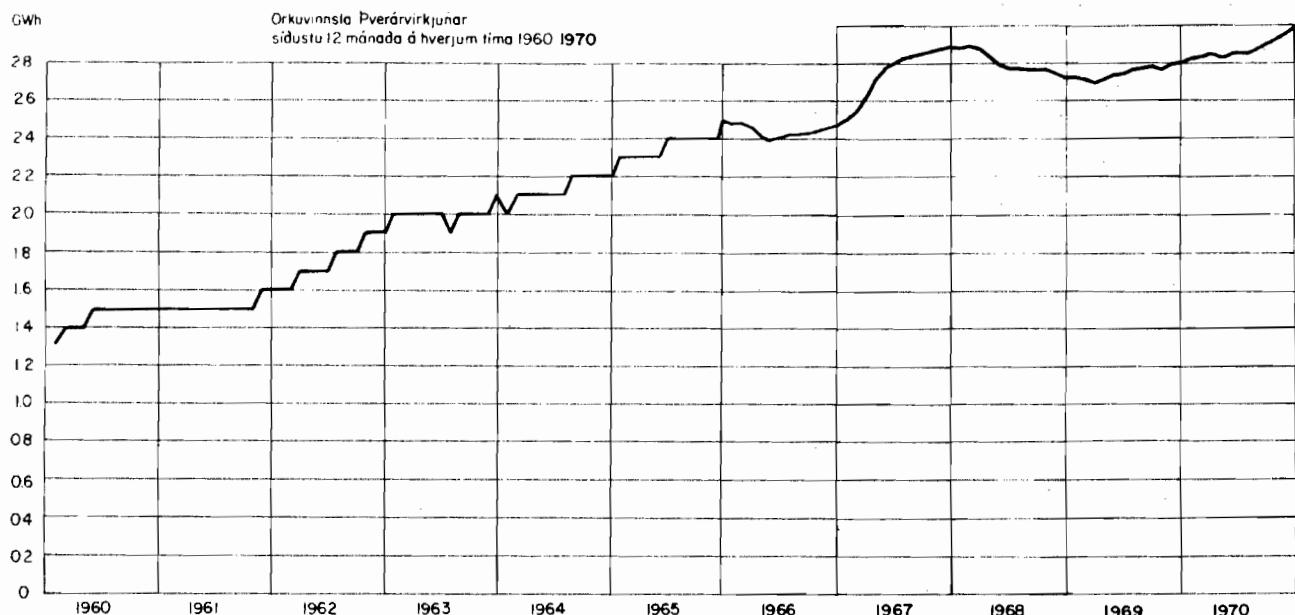


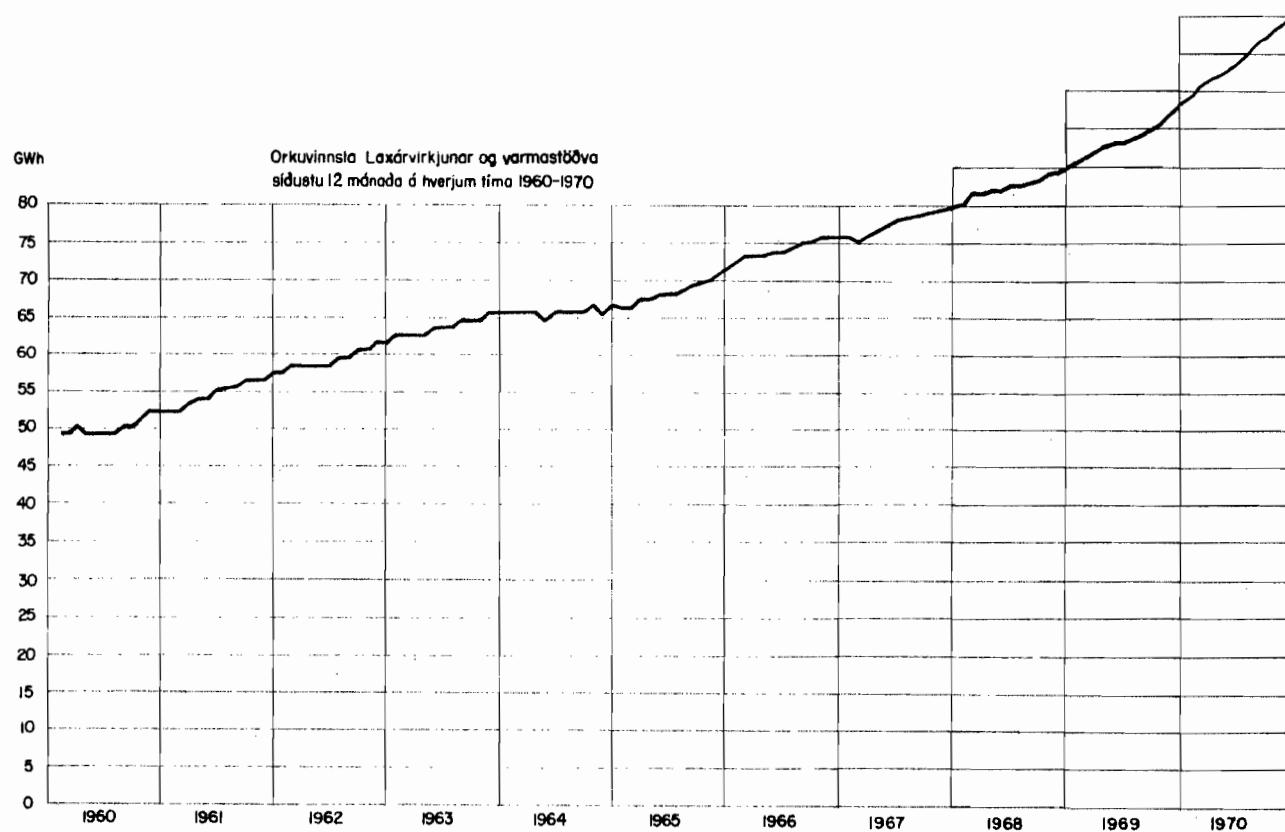
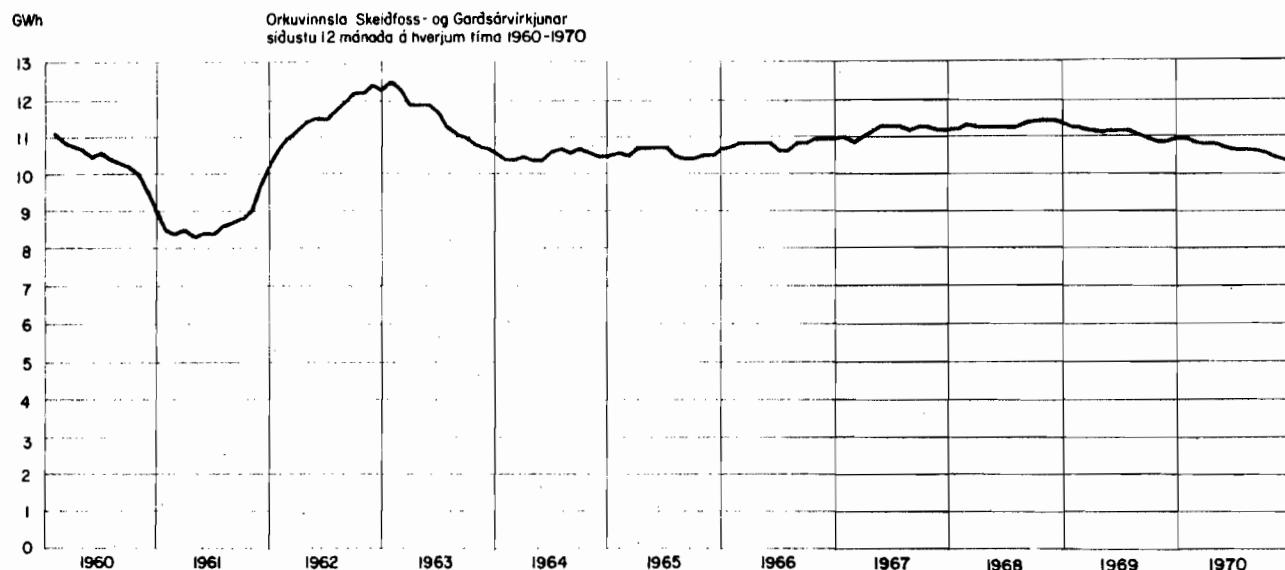
Orkuvinnslu á Snæfellsnesi
síðustu 12 mánaða á hverjum tíma 1960-1970



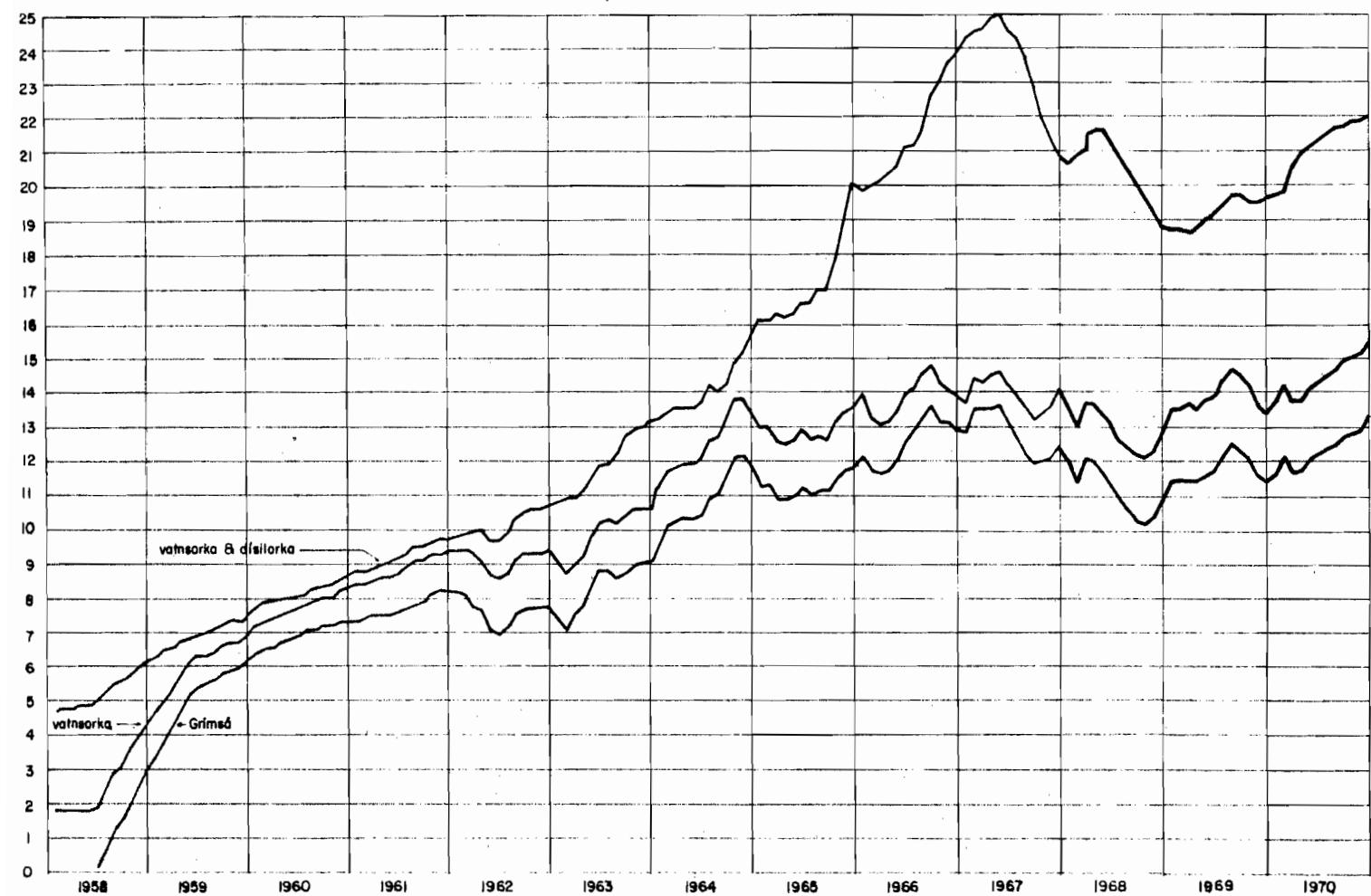
Orkuvinnslu á Vestfjörðum
síðustu 12 mánaða á hverjum tíma 1961-1970

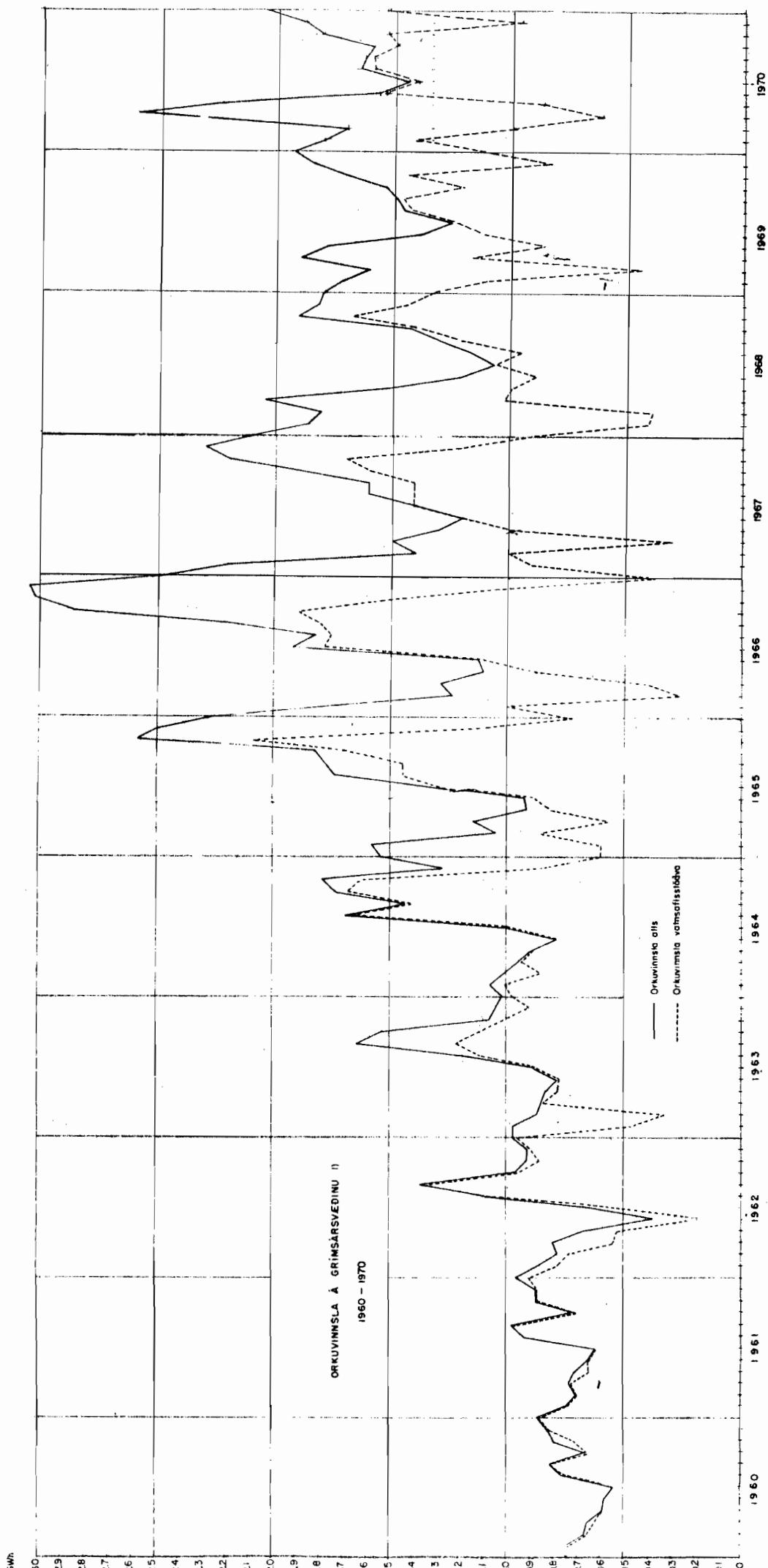




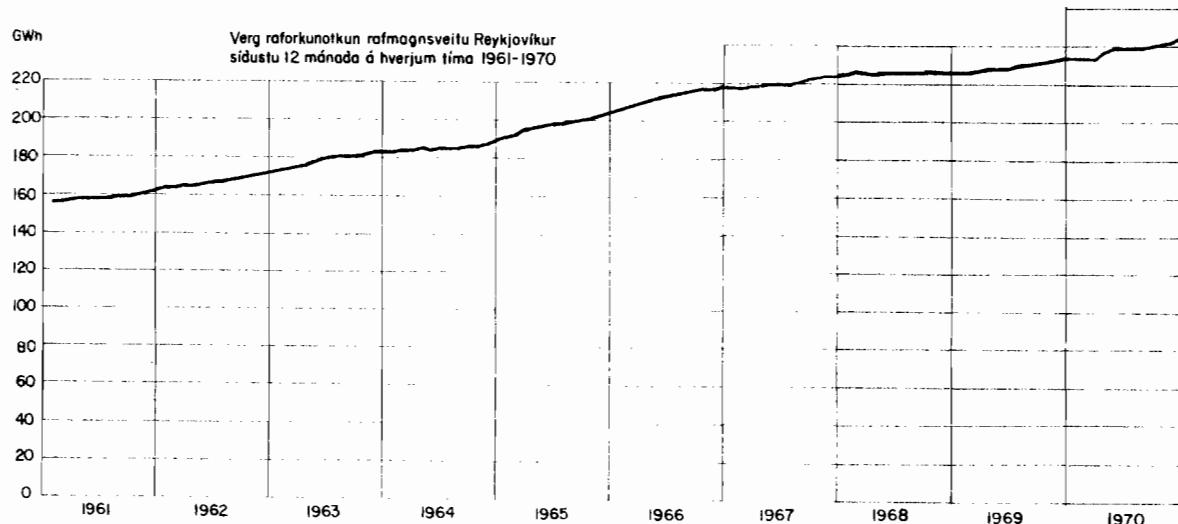
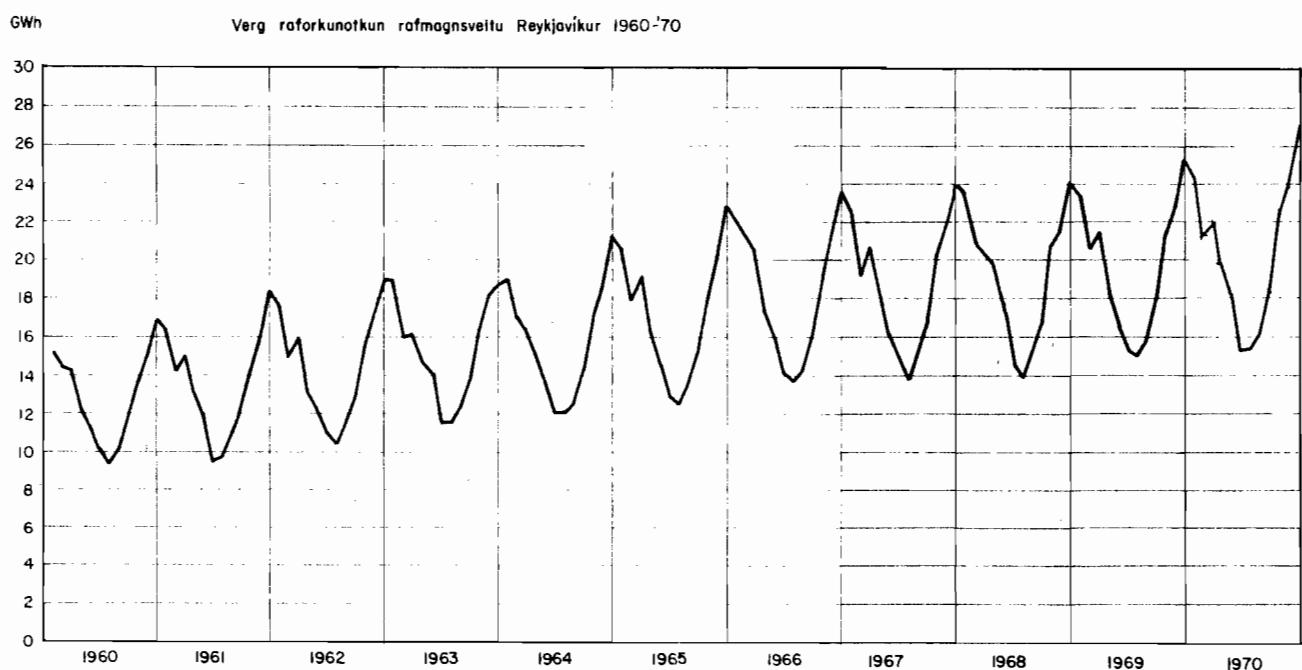
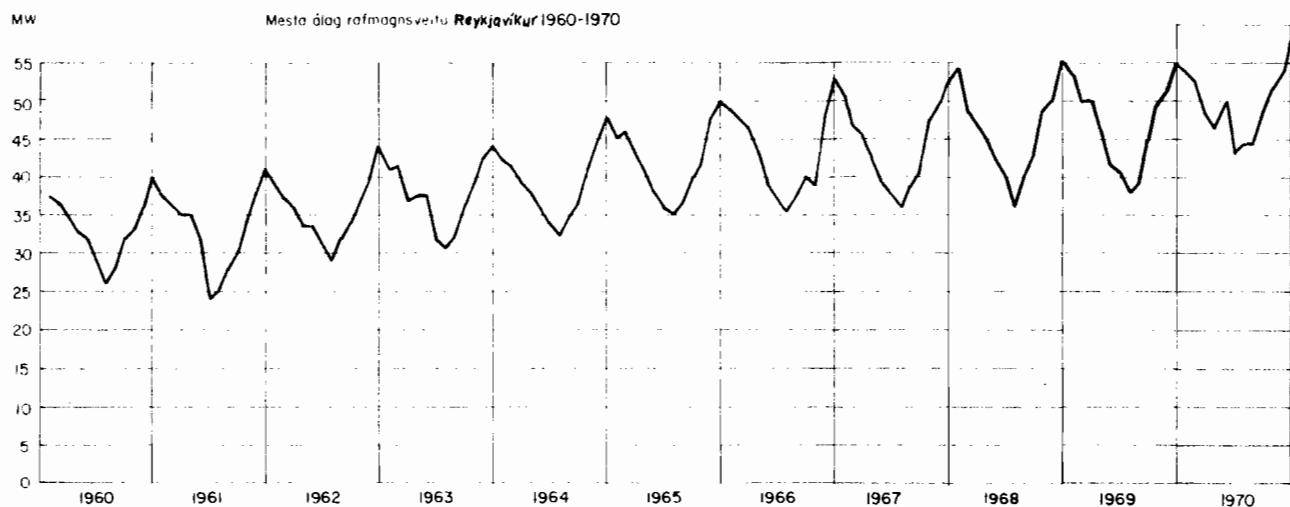


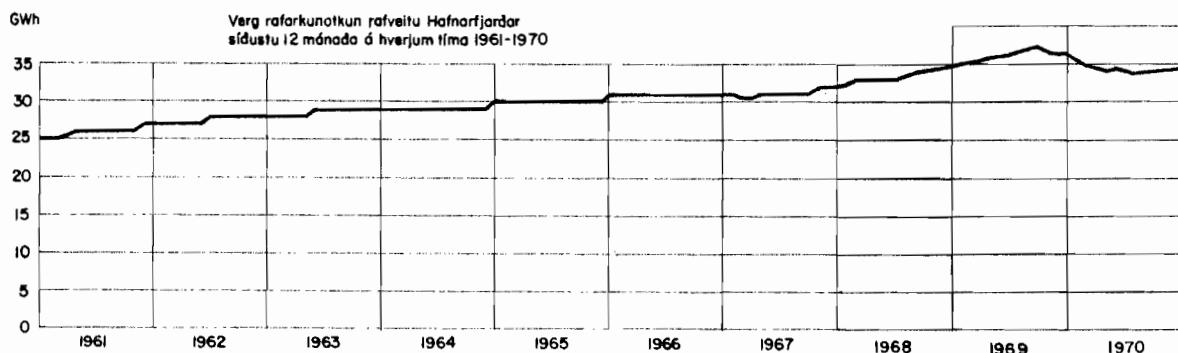
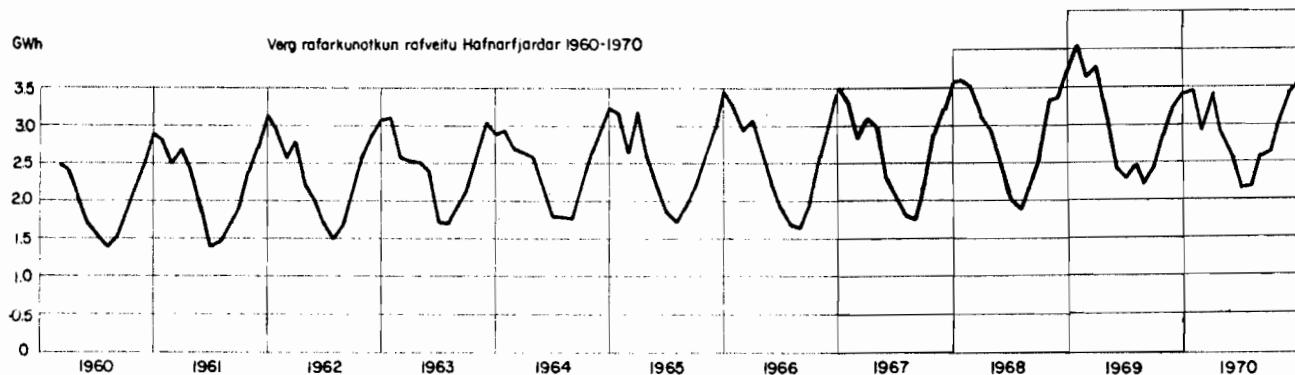
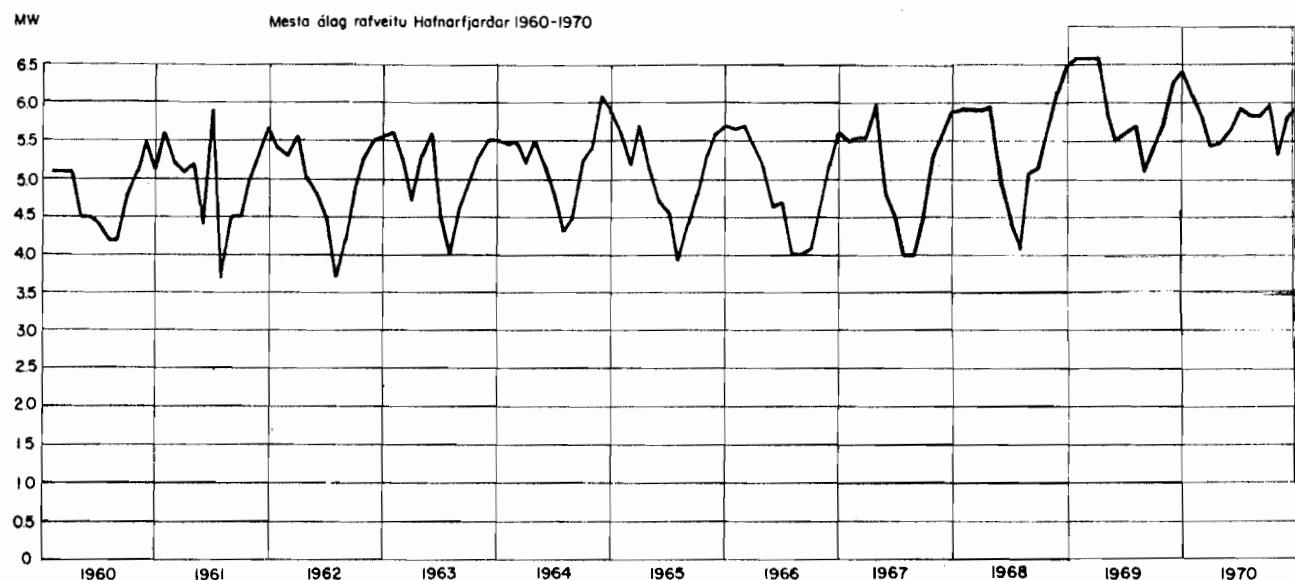
Orkuvinnsla Grímsársvæðis
síðustu 12 mánaða á hverjum tíma 1958-'70

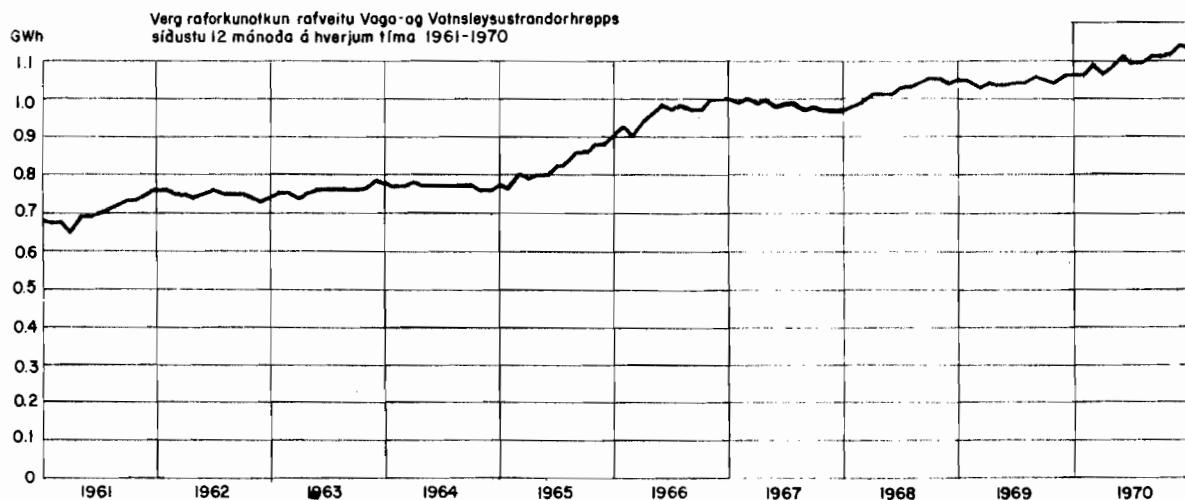
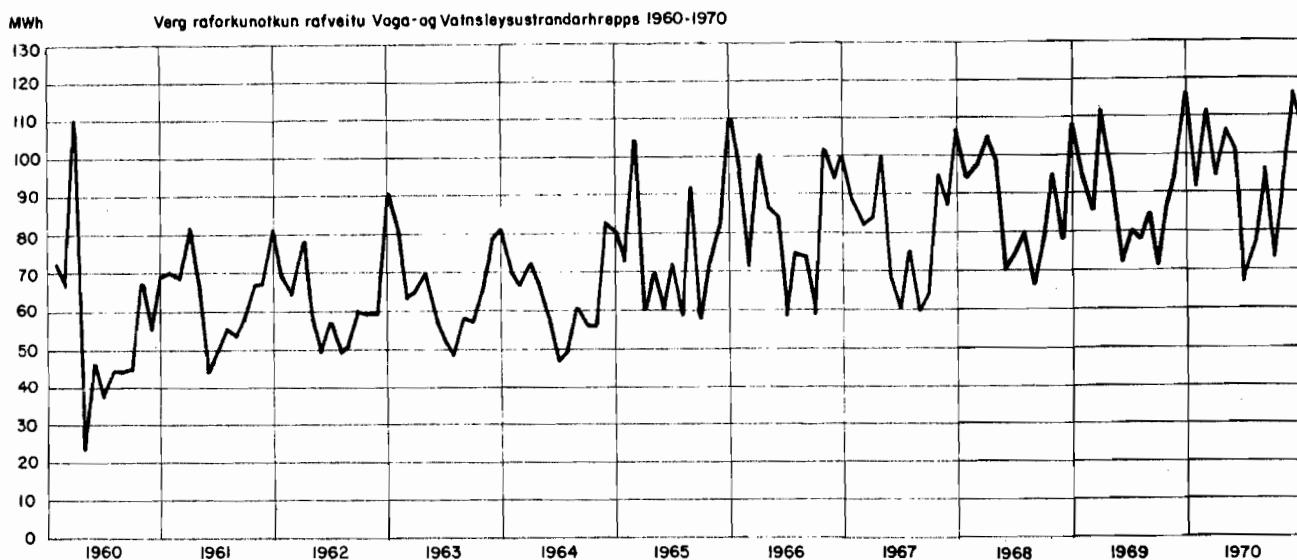
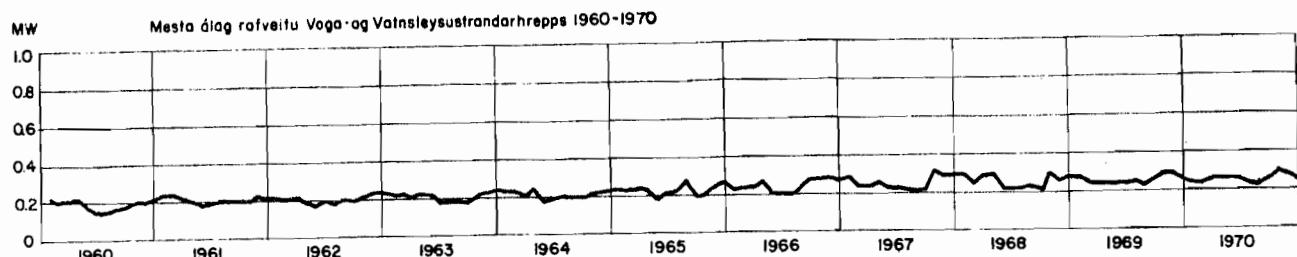




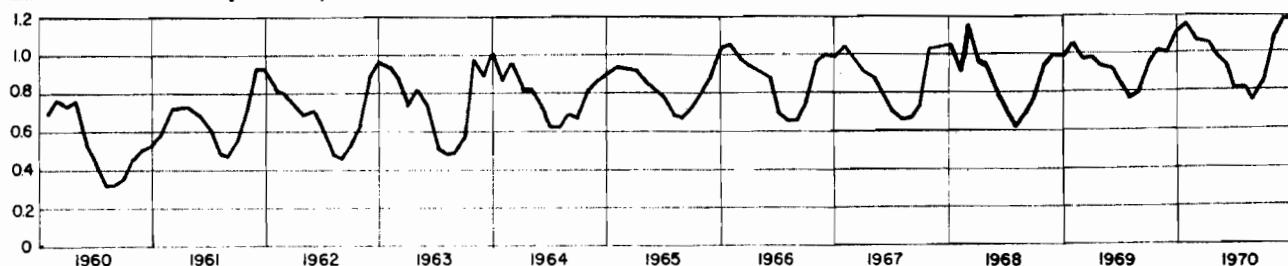
Grimsvötn, Síðari, Budarí, Seyðisfjörður, Nauðusfjörður og Fosstrúðarfjörður
Ennþremur Stórvörður og Breidavirkur frá 1965 og Bæturgerði frá 1968



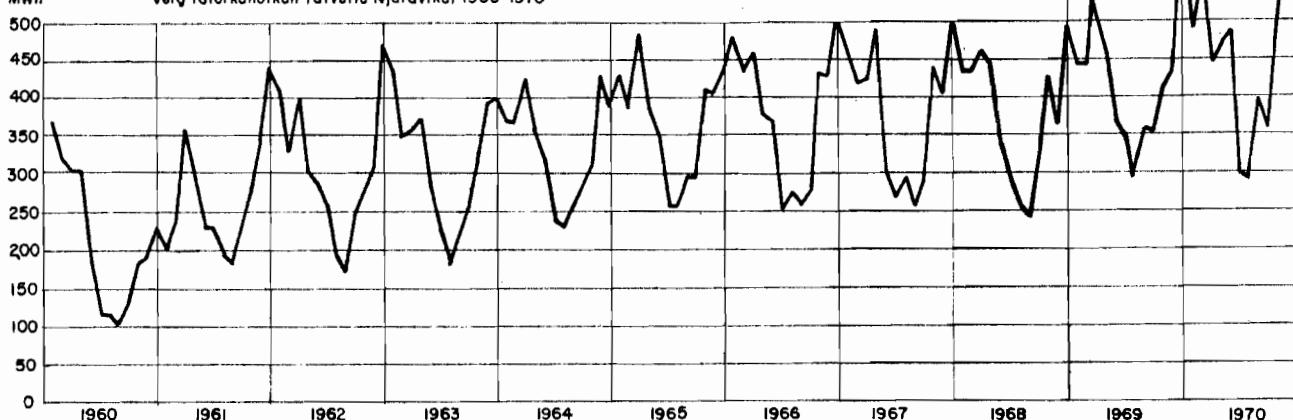




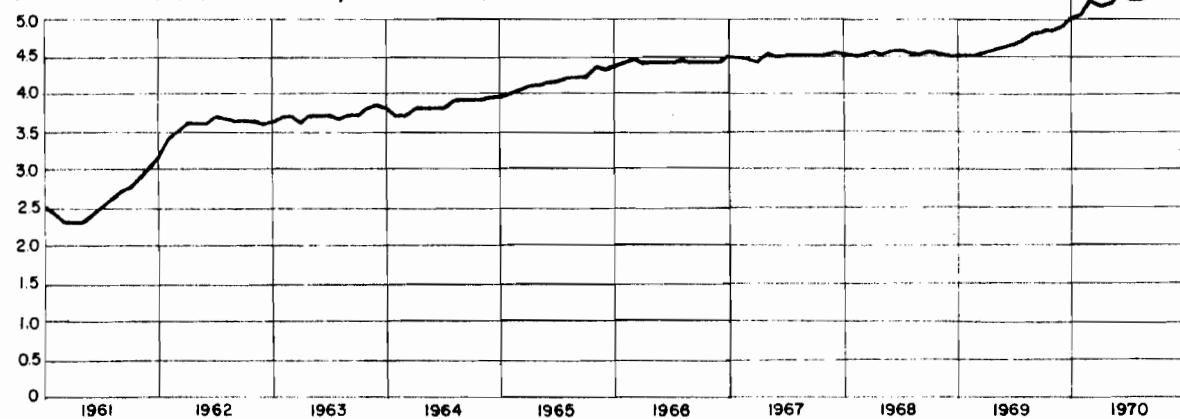
MW Mesta ólag rafveitu Njardvíkur 1960-1970

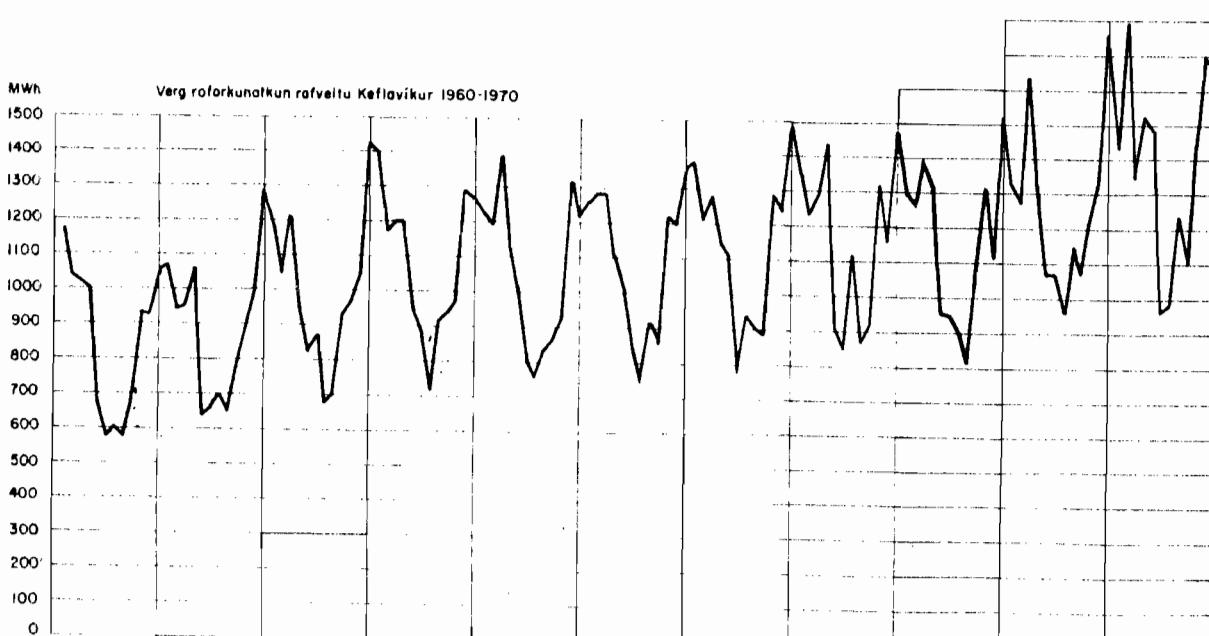
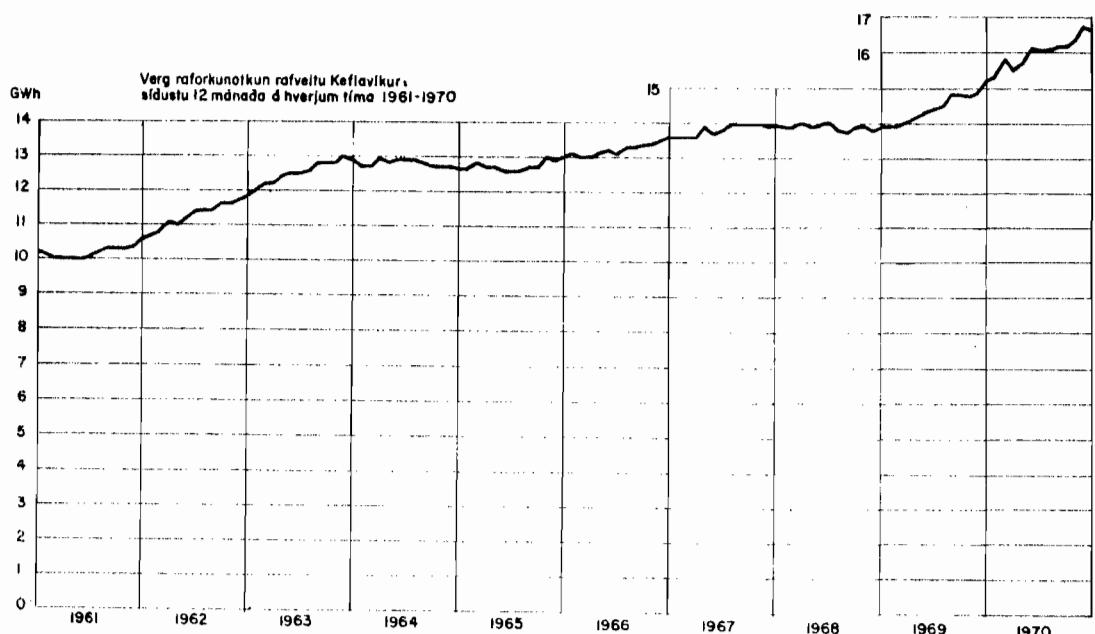
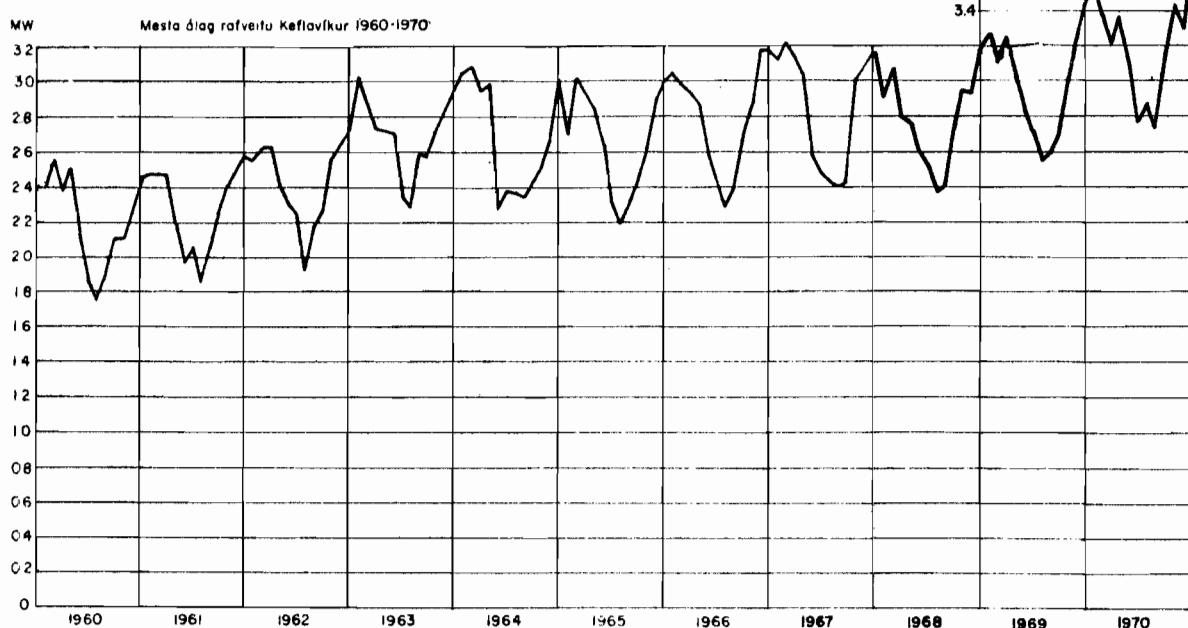


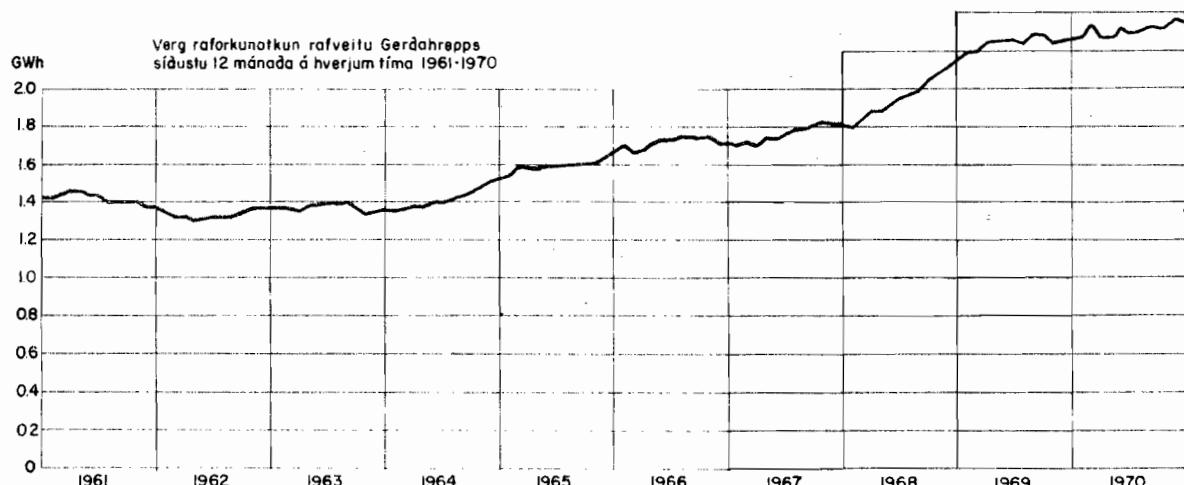
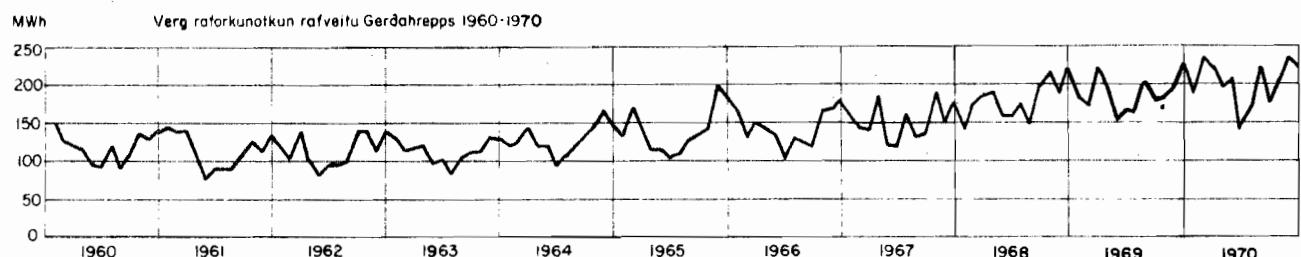
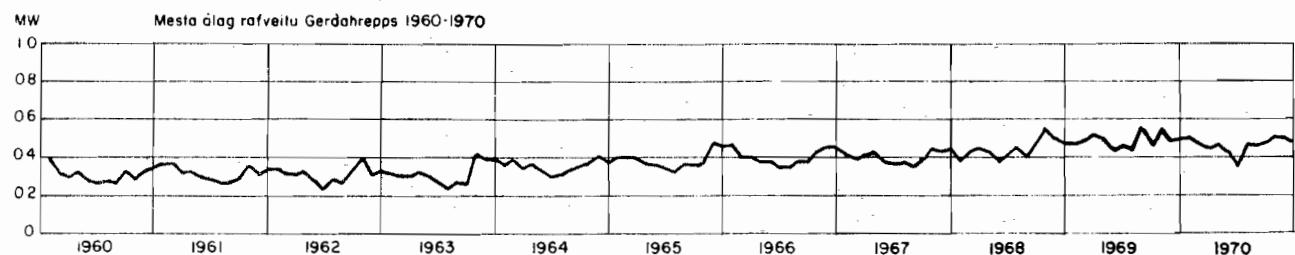
MWh Verg raforkunotkun rafveitu Njardvíkur 1960-1970

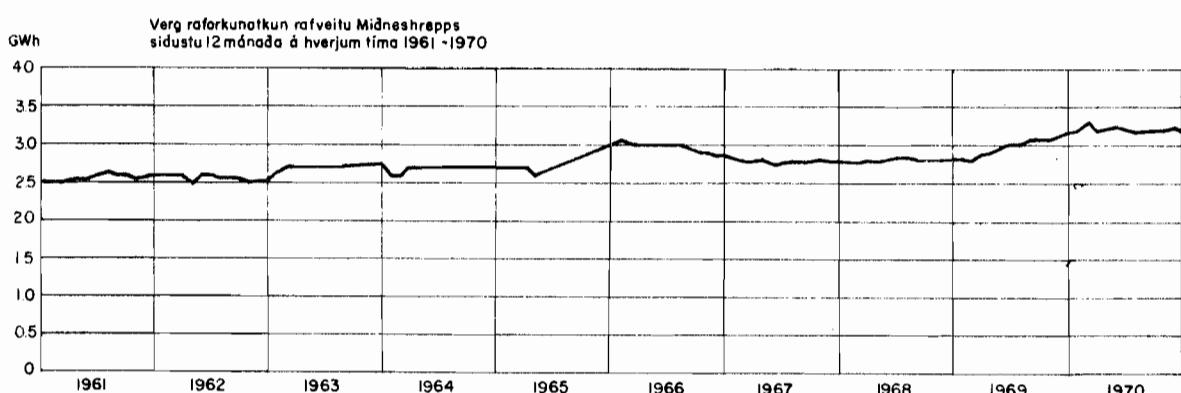
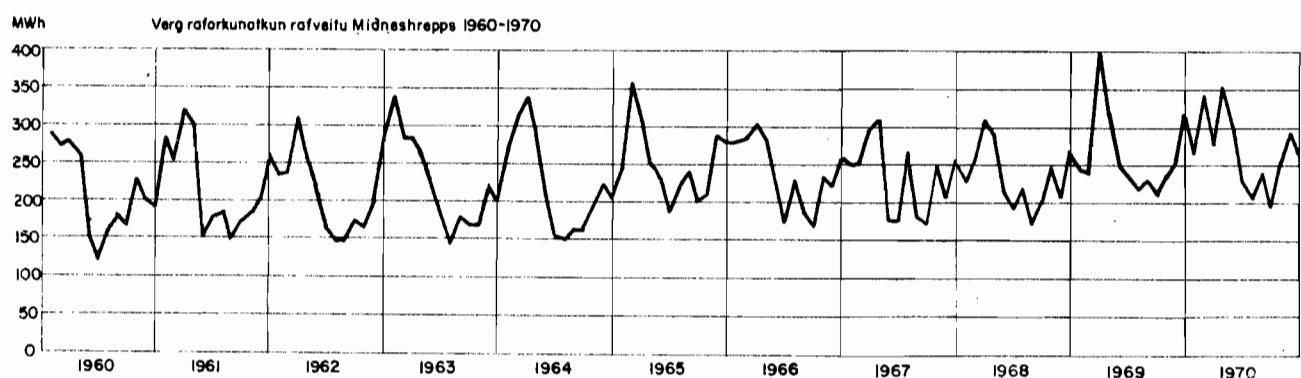
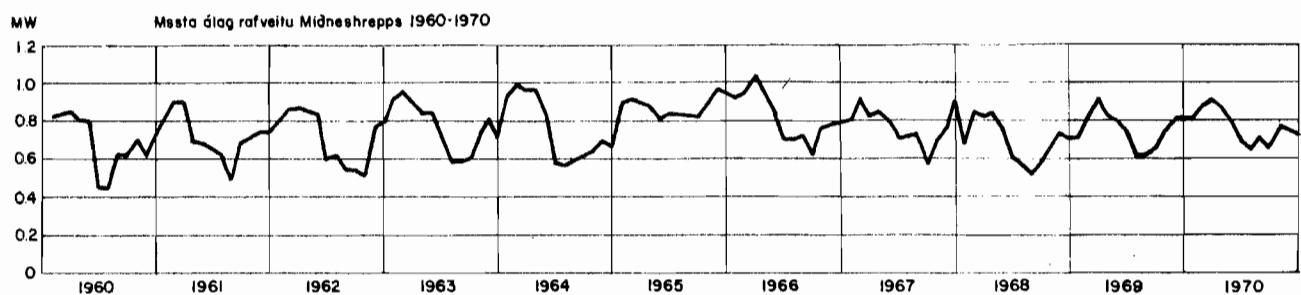


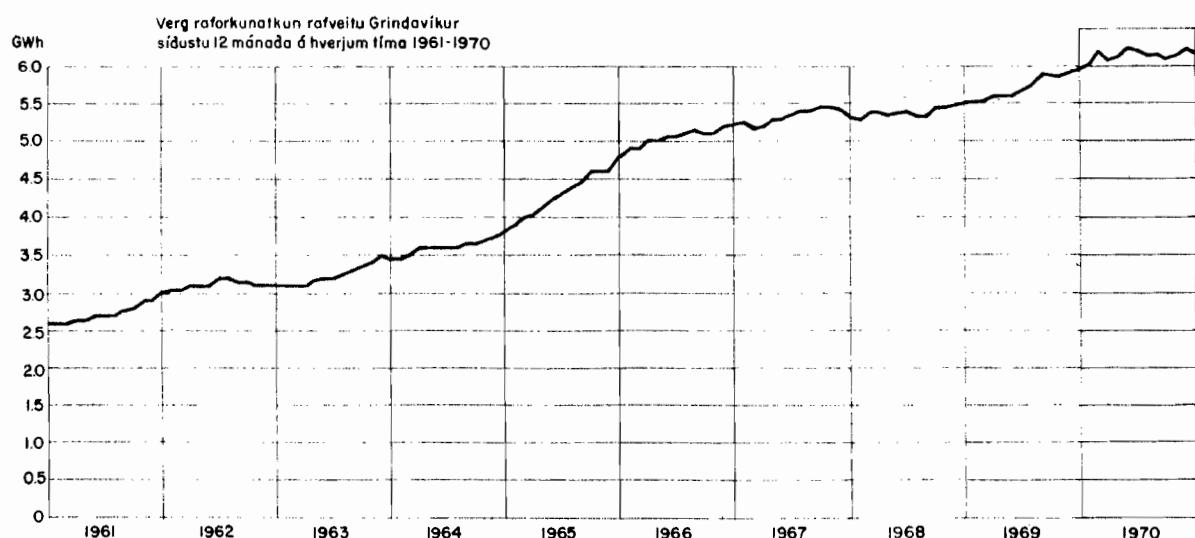
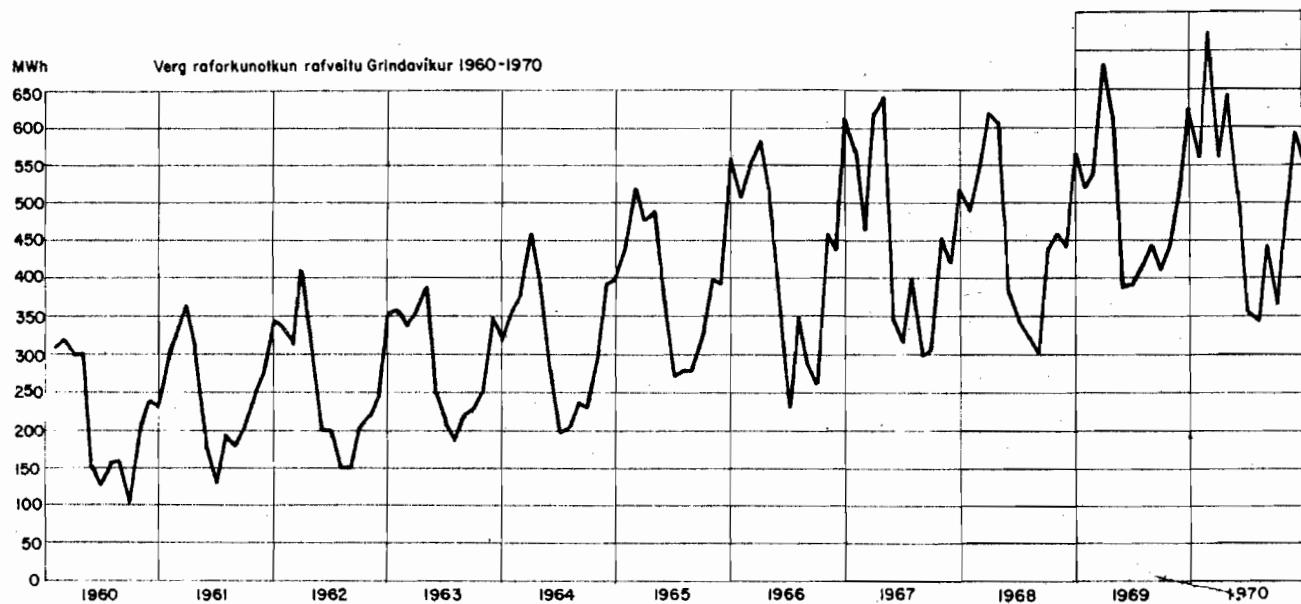
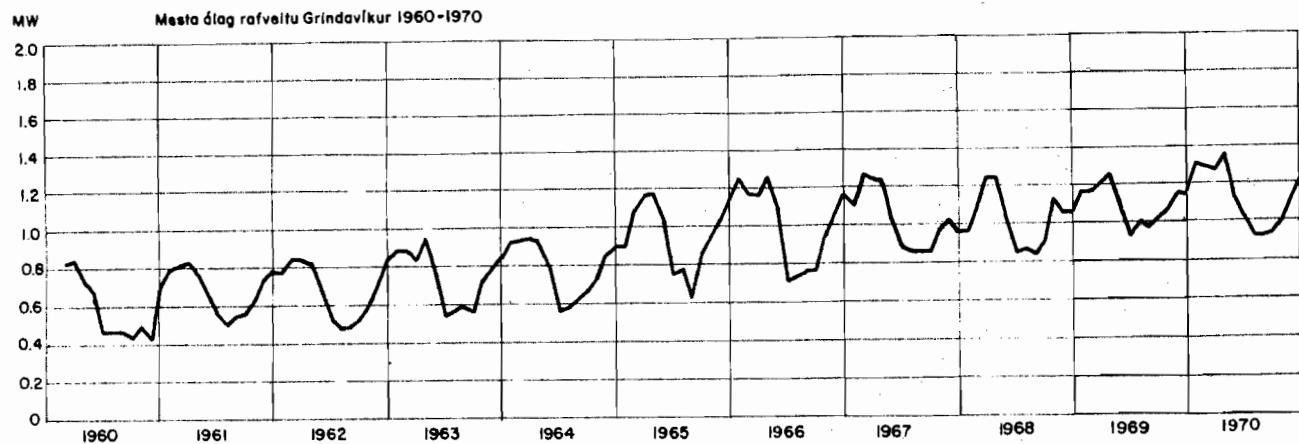
GWh Verg raforkunotkun rafveitu Njardvíkur síðustu 12 mánaði á hverjum tíma 1961-1970

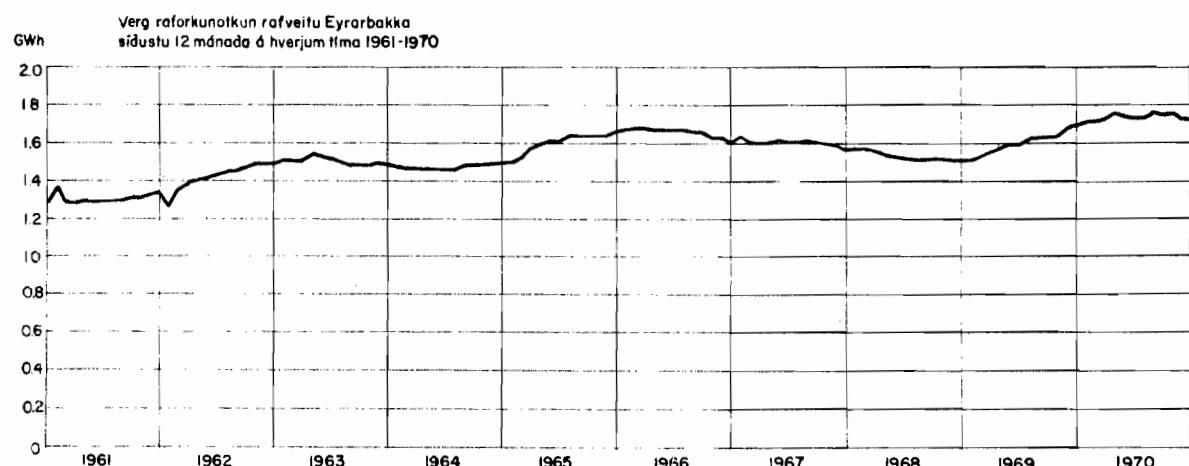
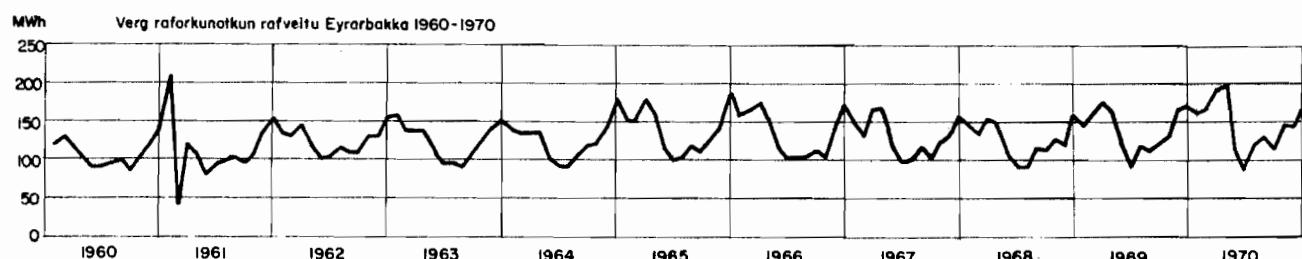
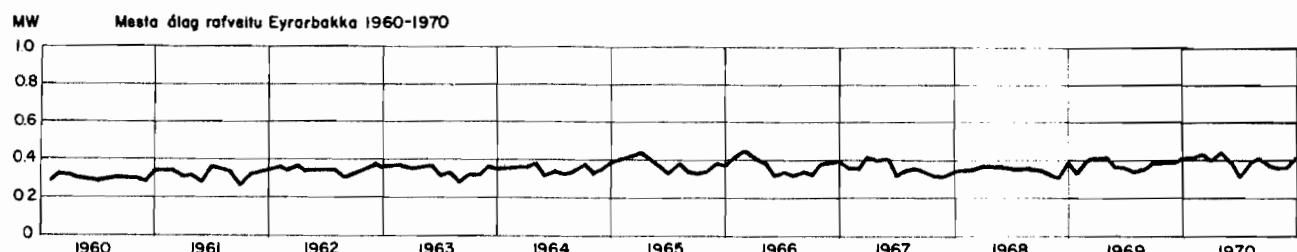




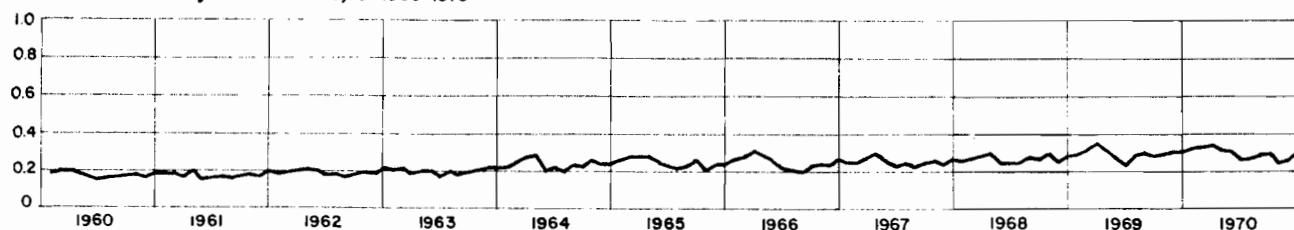




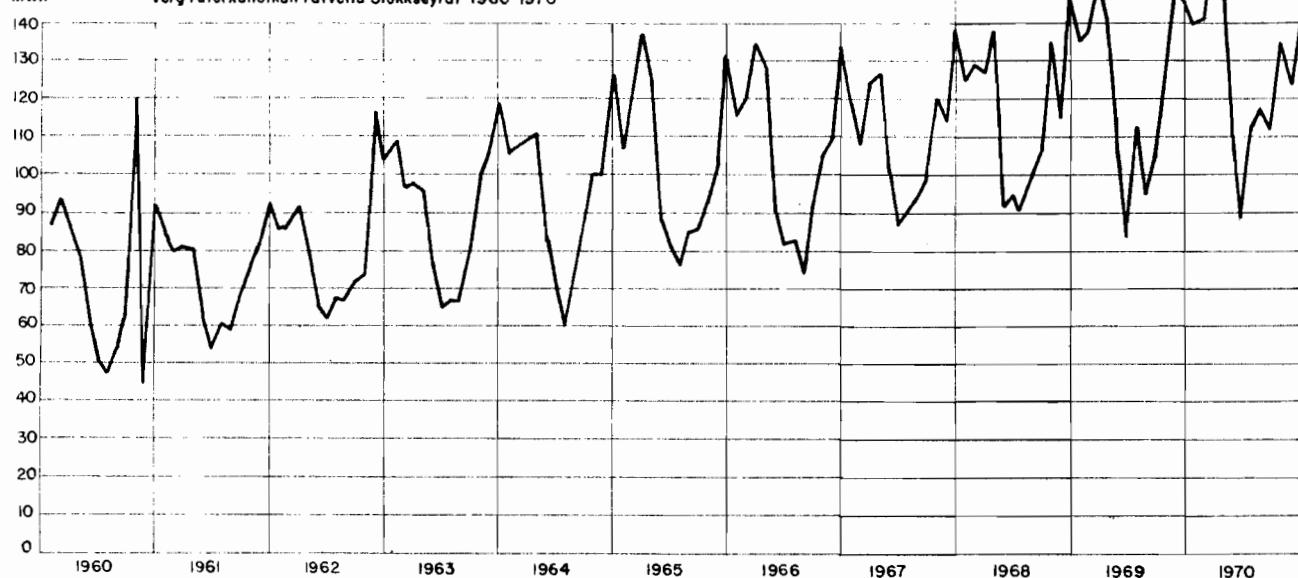




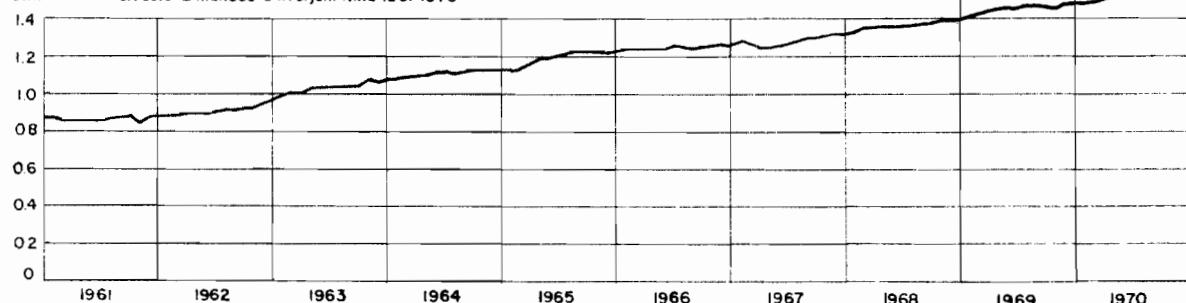
MW Mesta álag rafveltu Stokkseyrar 1960-1970

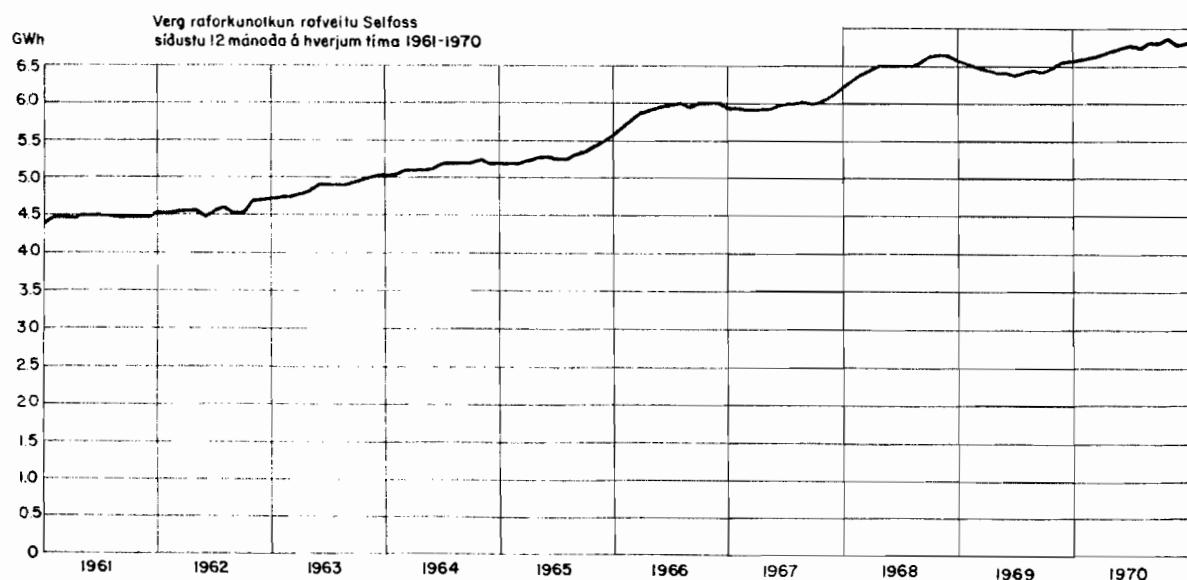
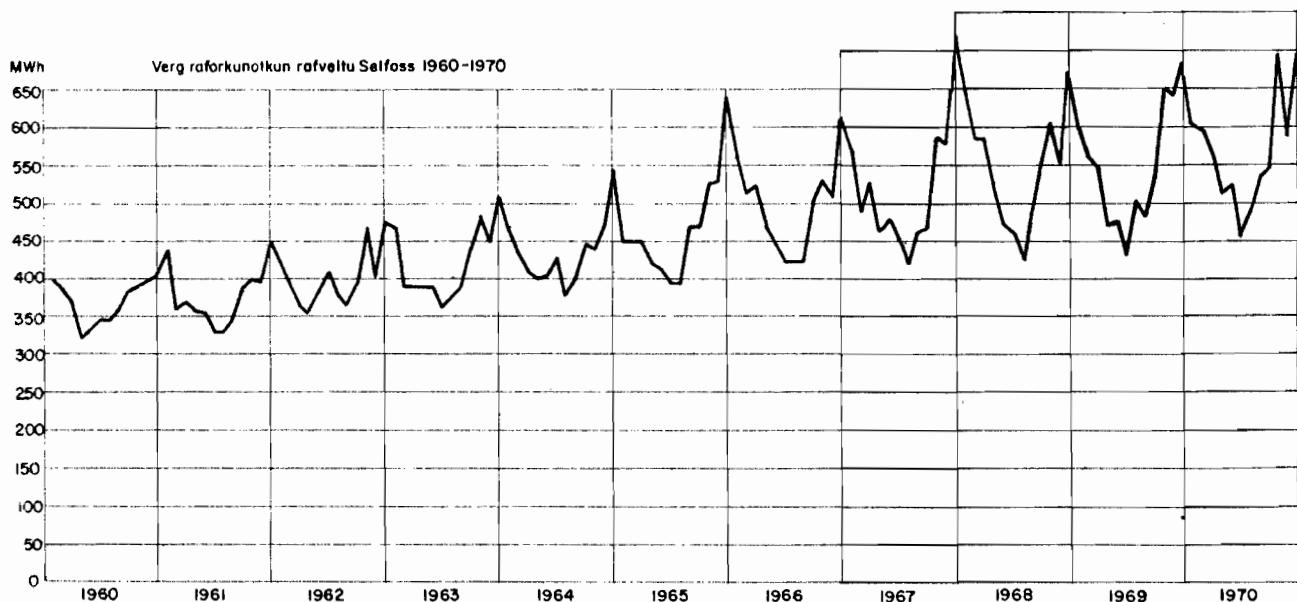
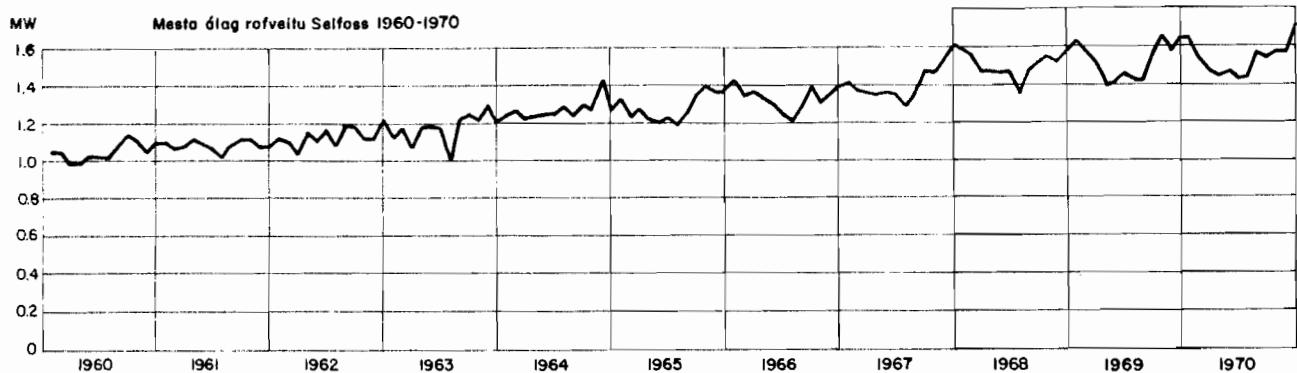


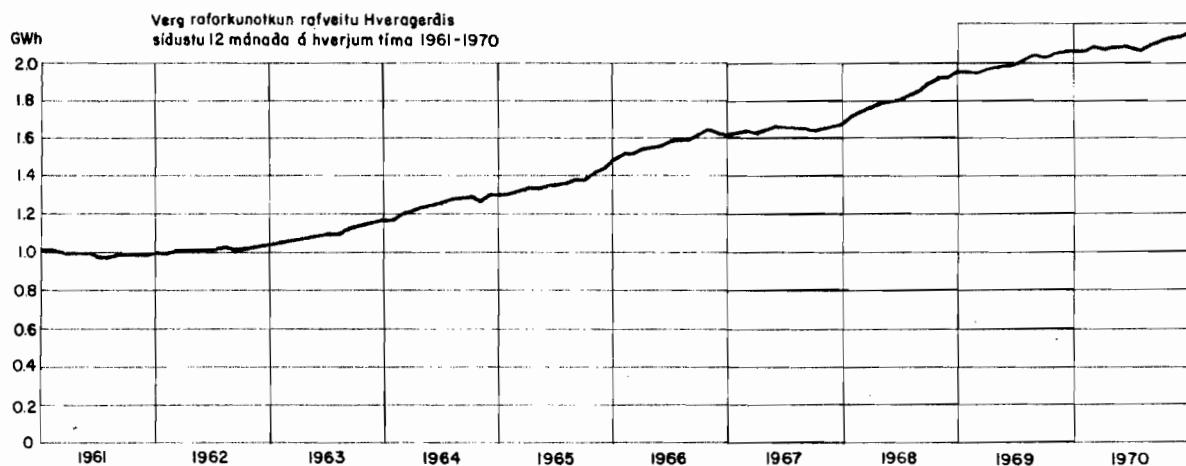
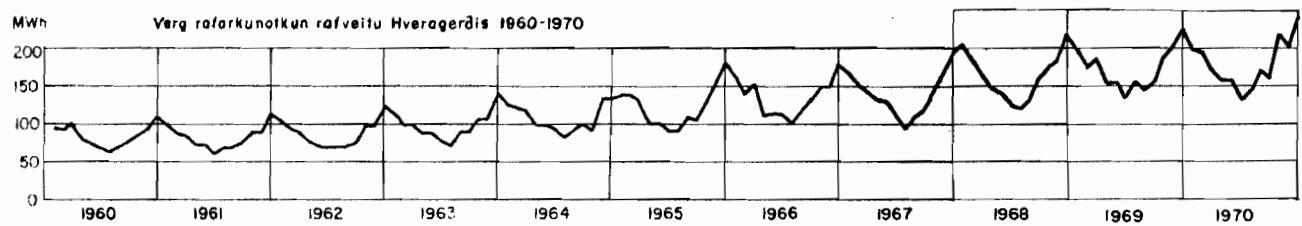
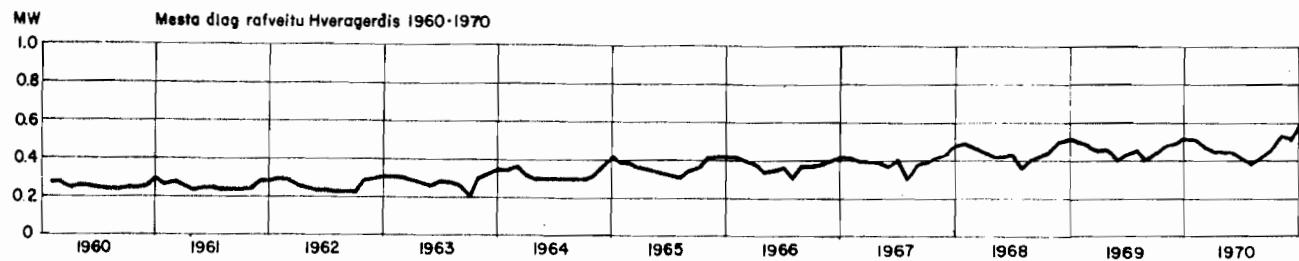
MWh Verg raforkunotkun rafveltu Stokkseyrar 1960-1970

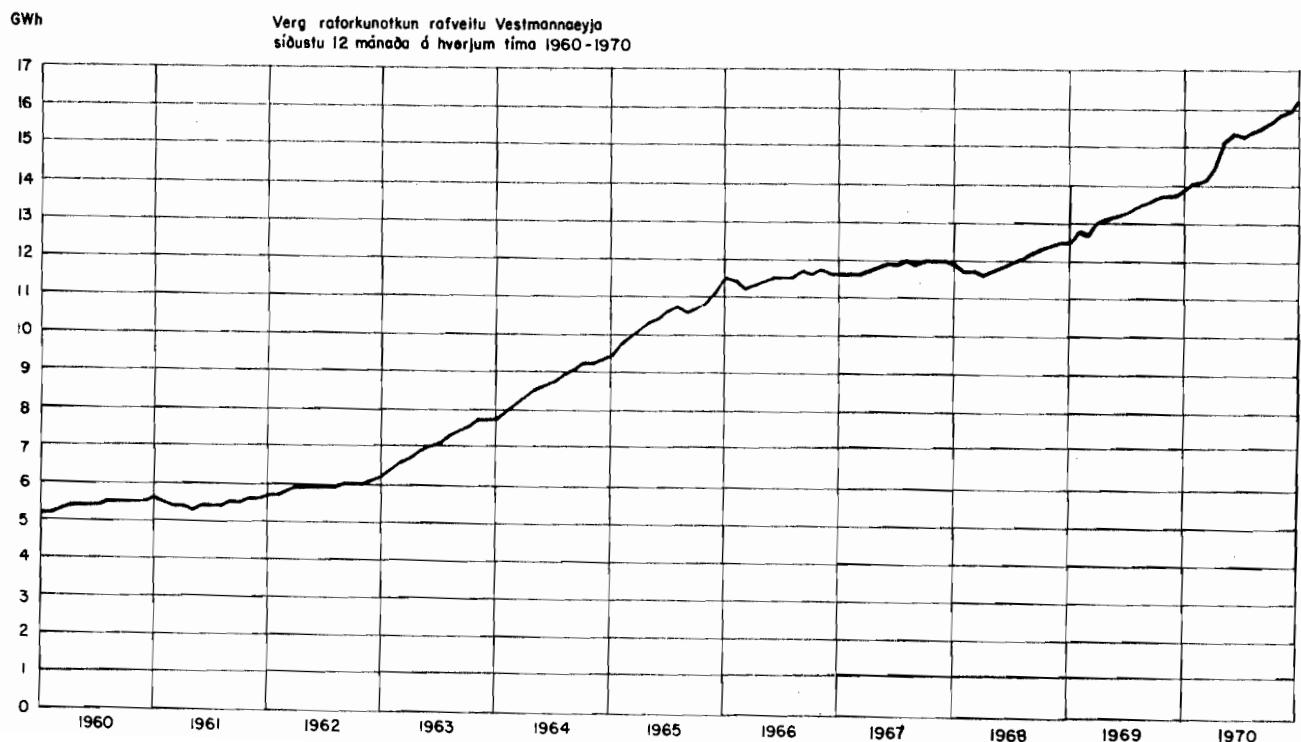
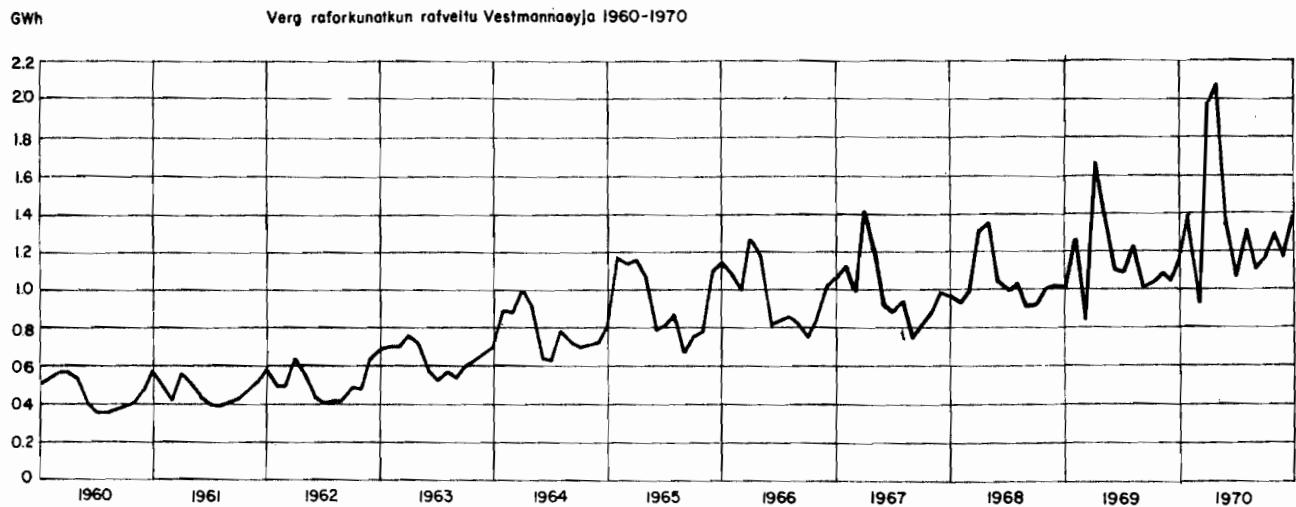


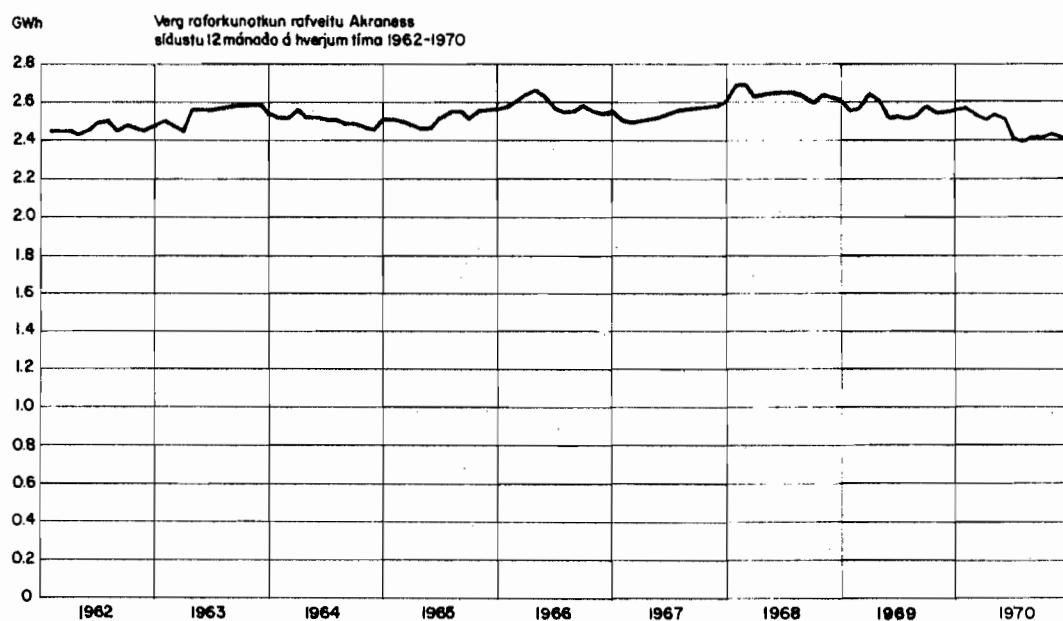
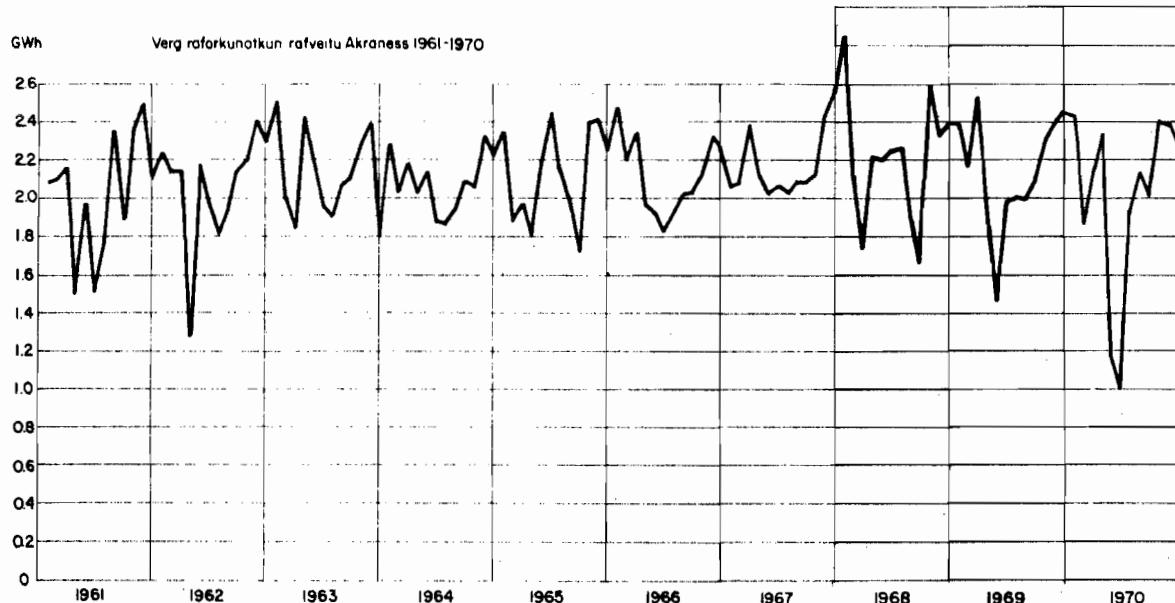
GWh Verg raforkunotkun rafveltu Stokkseyrar
síðustu 12 mándaði á hverjum tíma 1961-1970

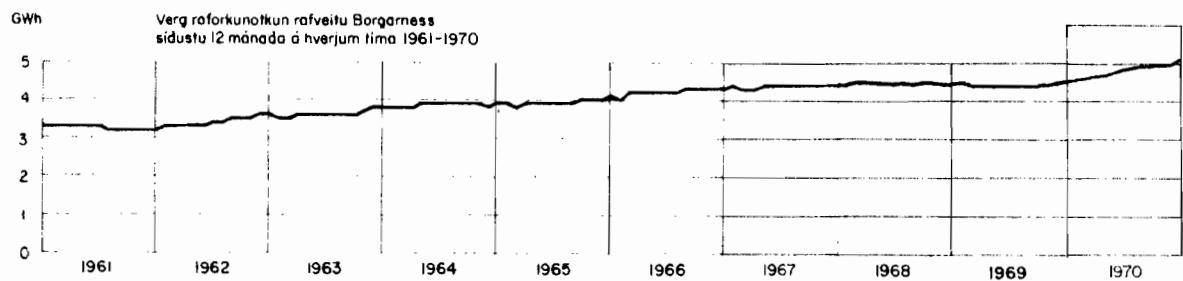
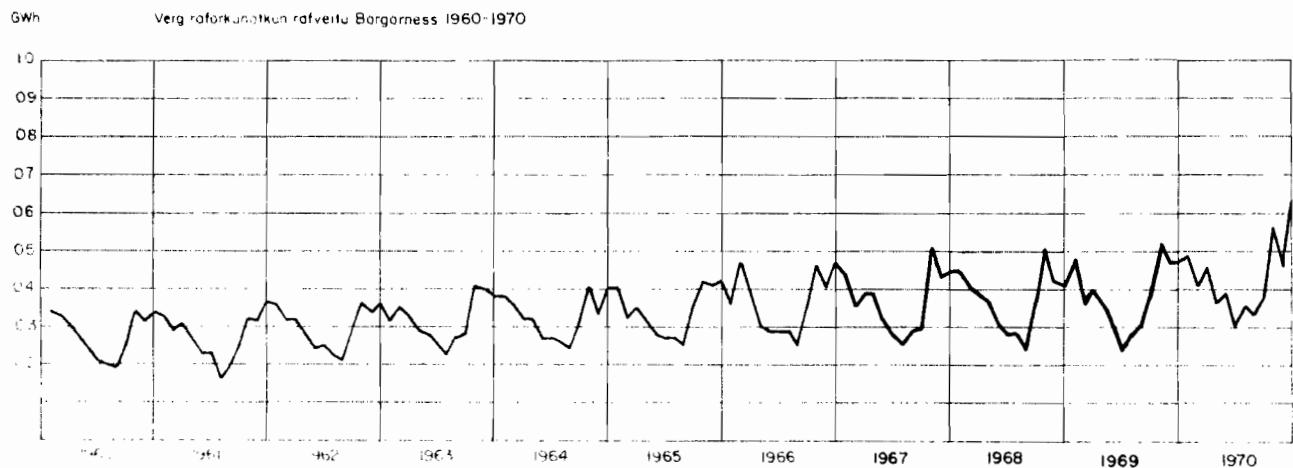






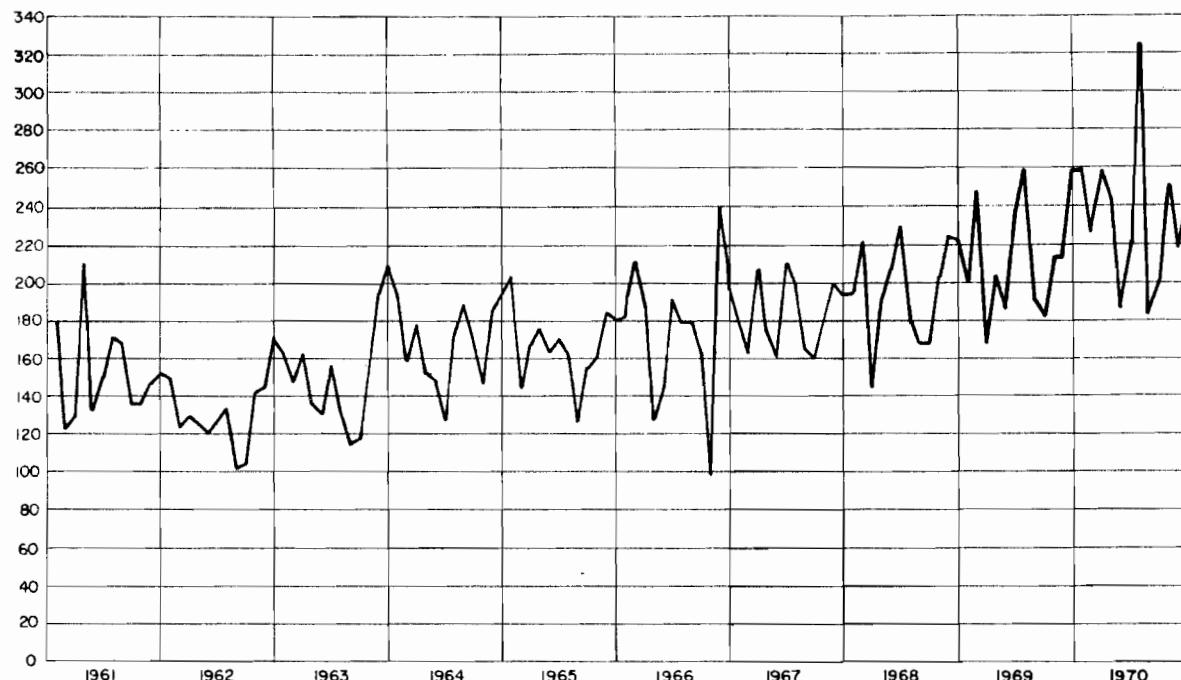




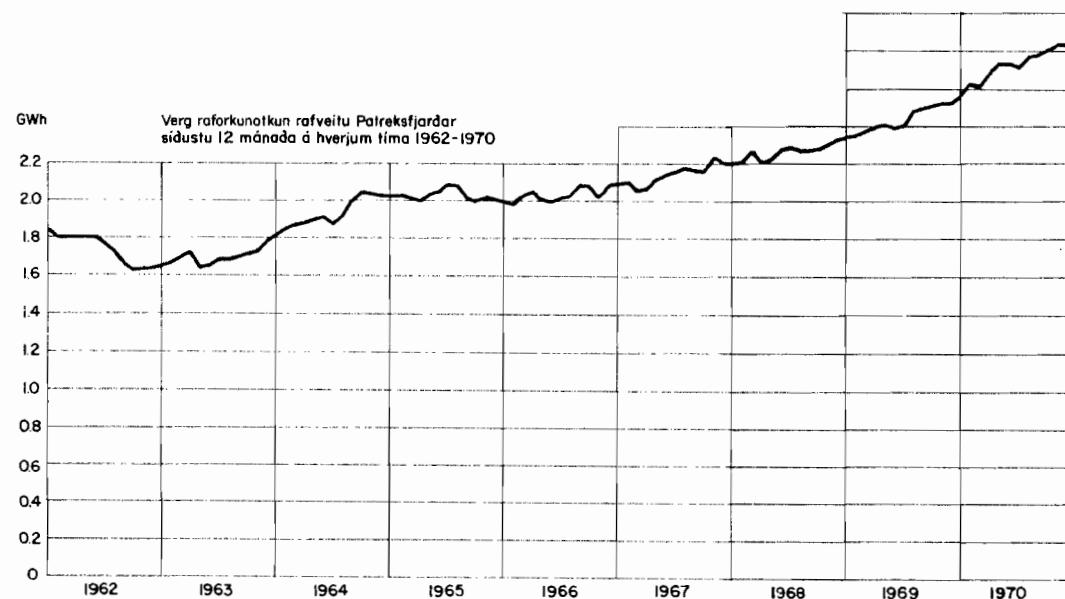


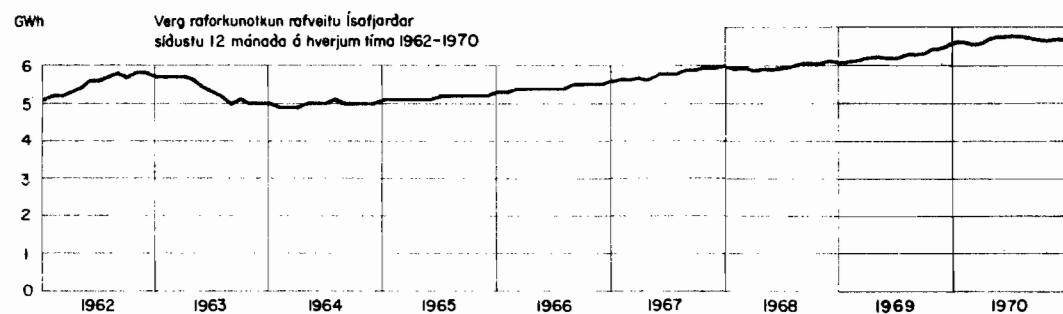
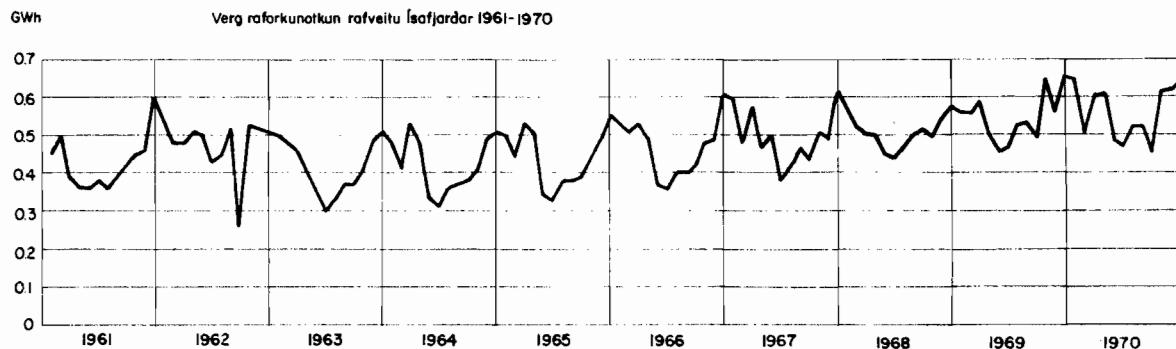
MWh

Verg raforkunotkun rafveitu Patreksfjardar 1961-1970

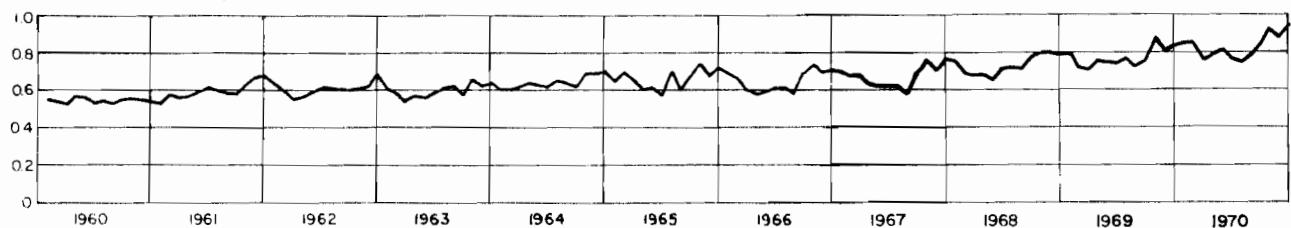


GWh

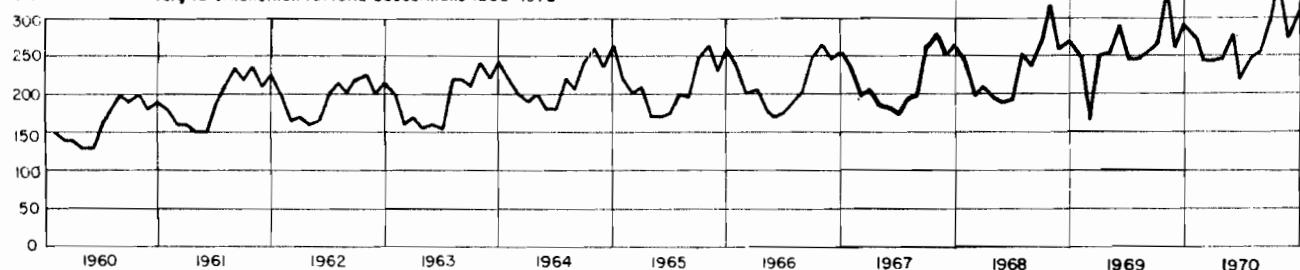
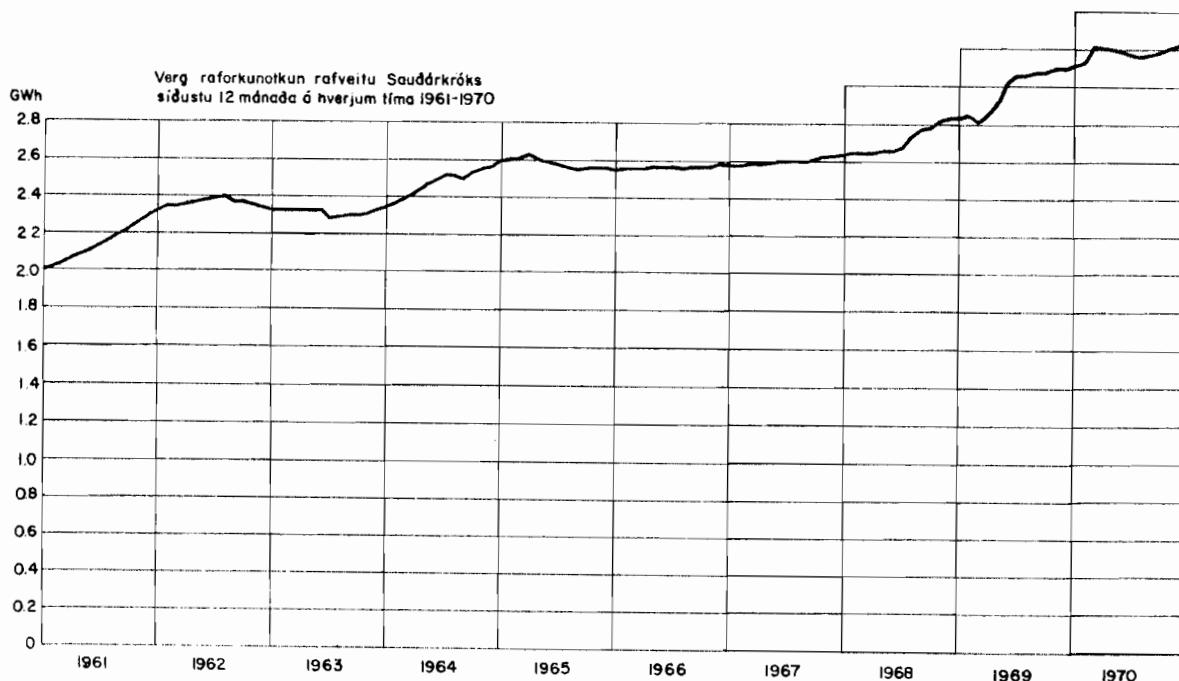
Verg raforkunotkun rafveitu Patreksfjardar
síðustu 12 mánaða á hverjum tíma 1962-1970

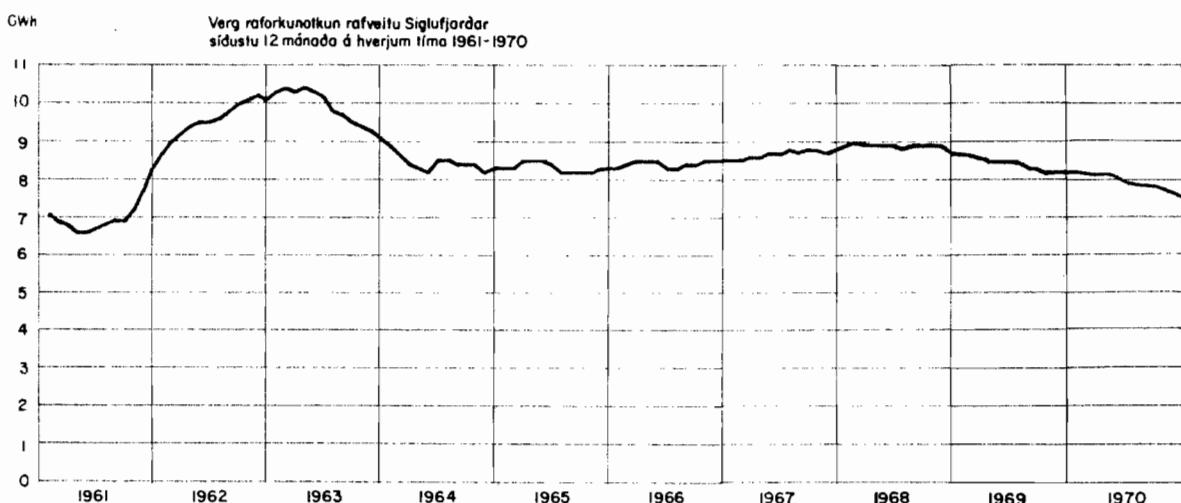
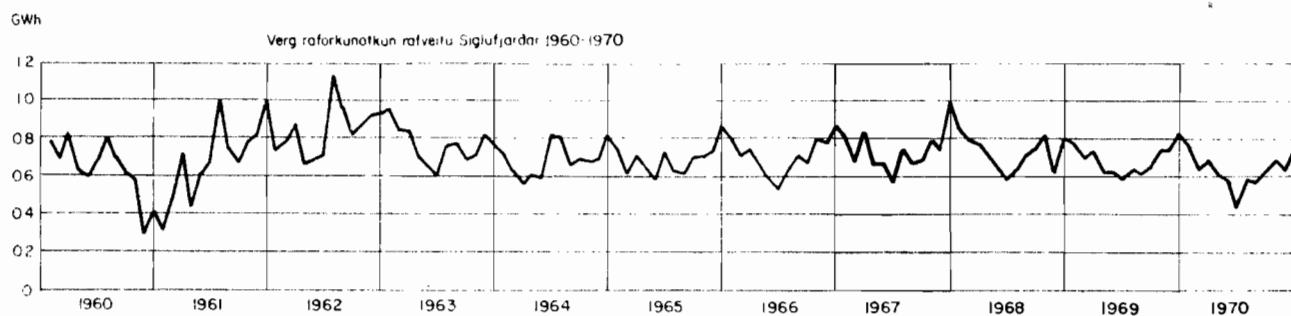


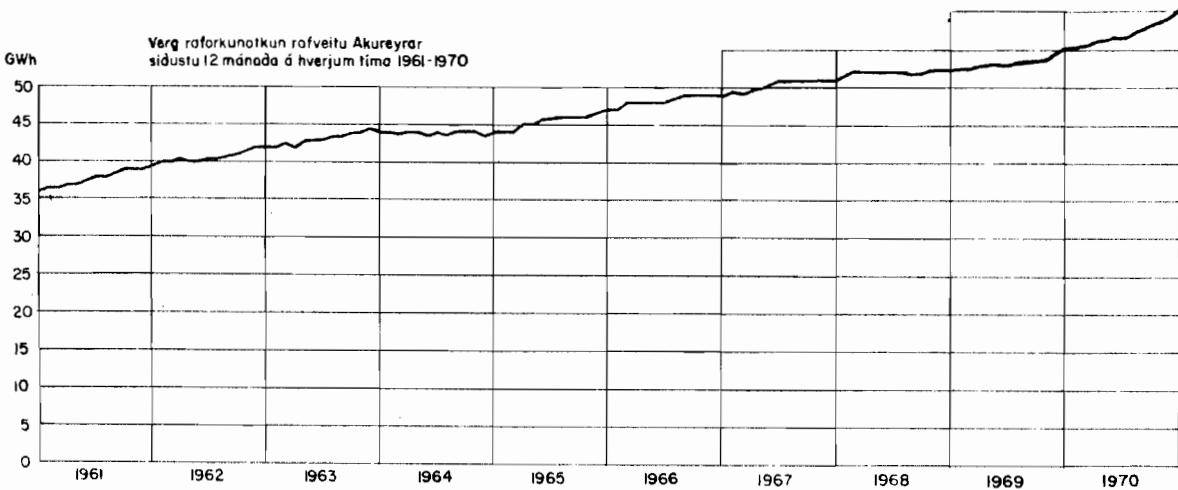
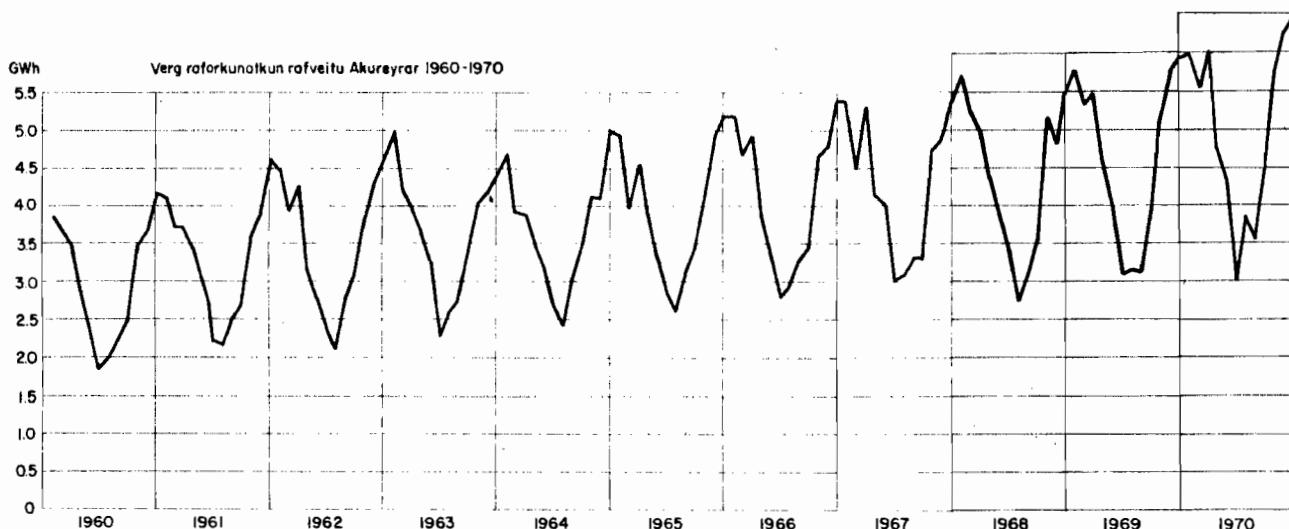
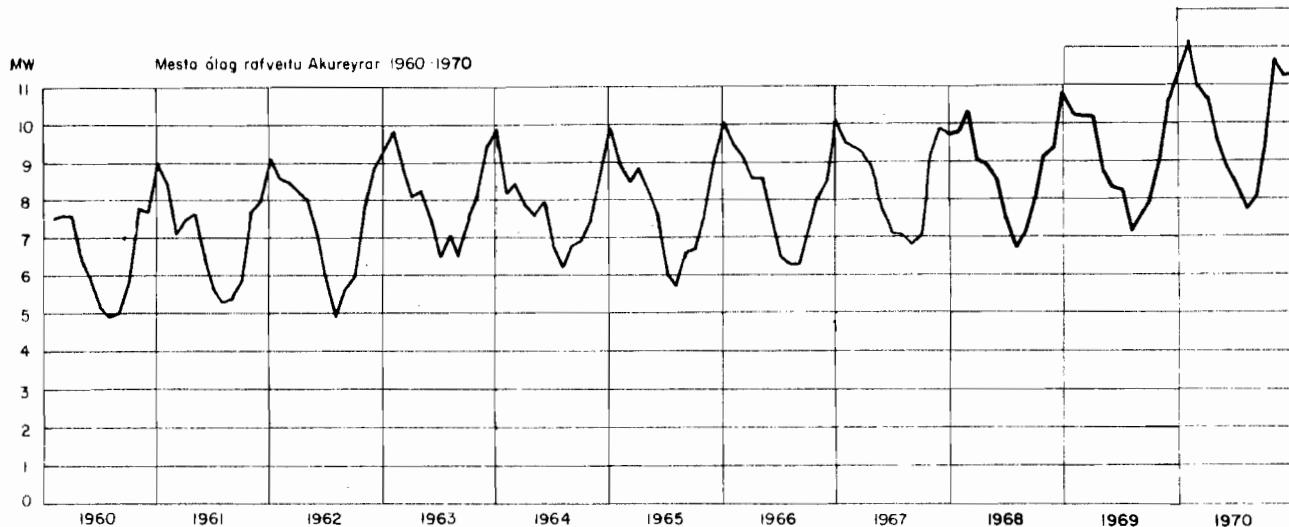
MW Mesta álag rafveitu Sauðárkróks 1960-1970

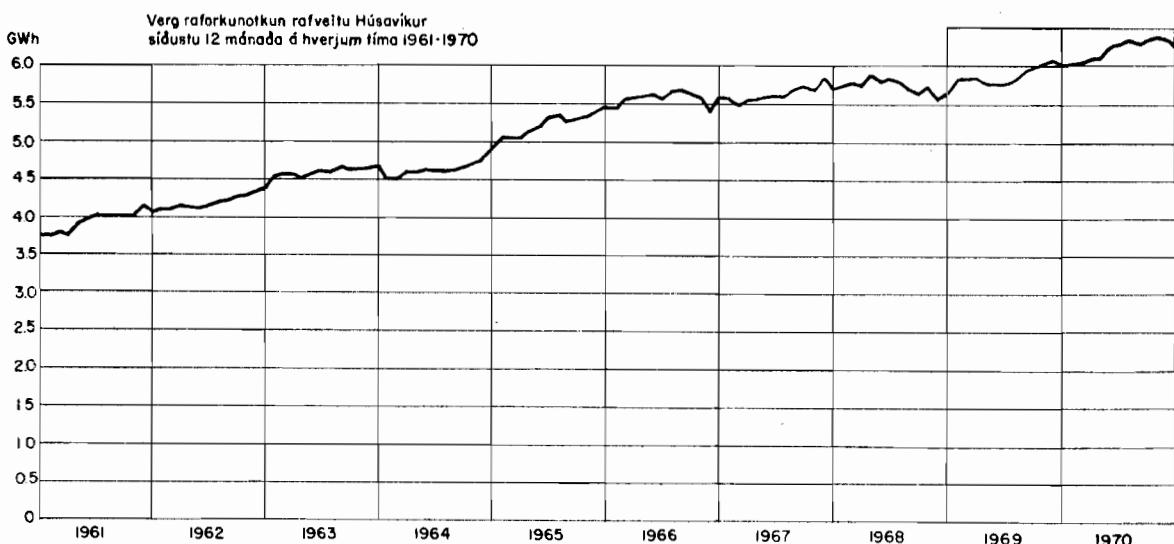
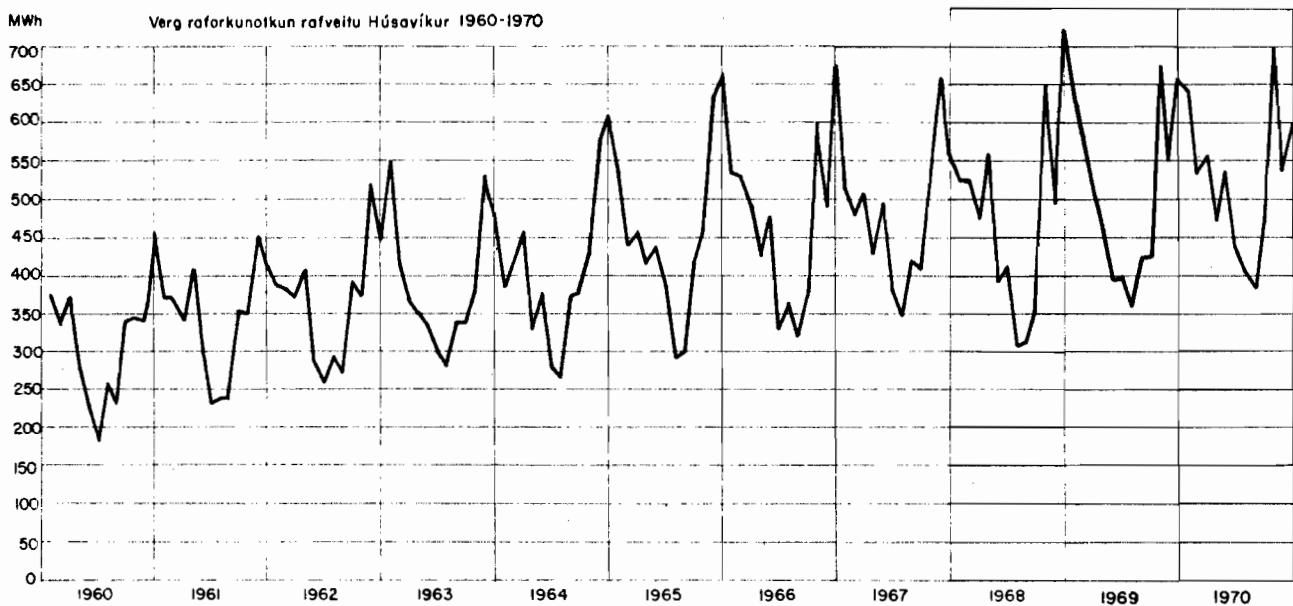
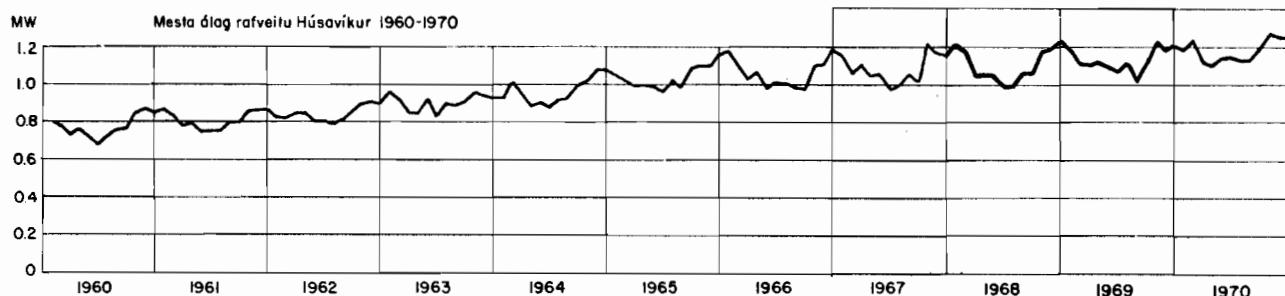


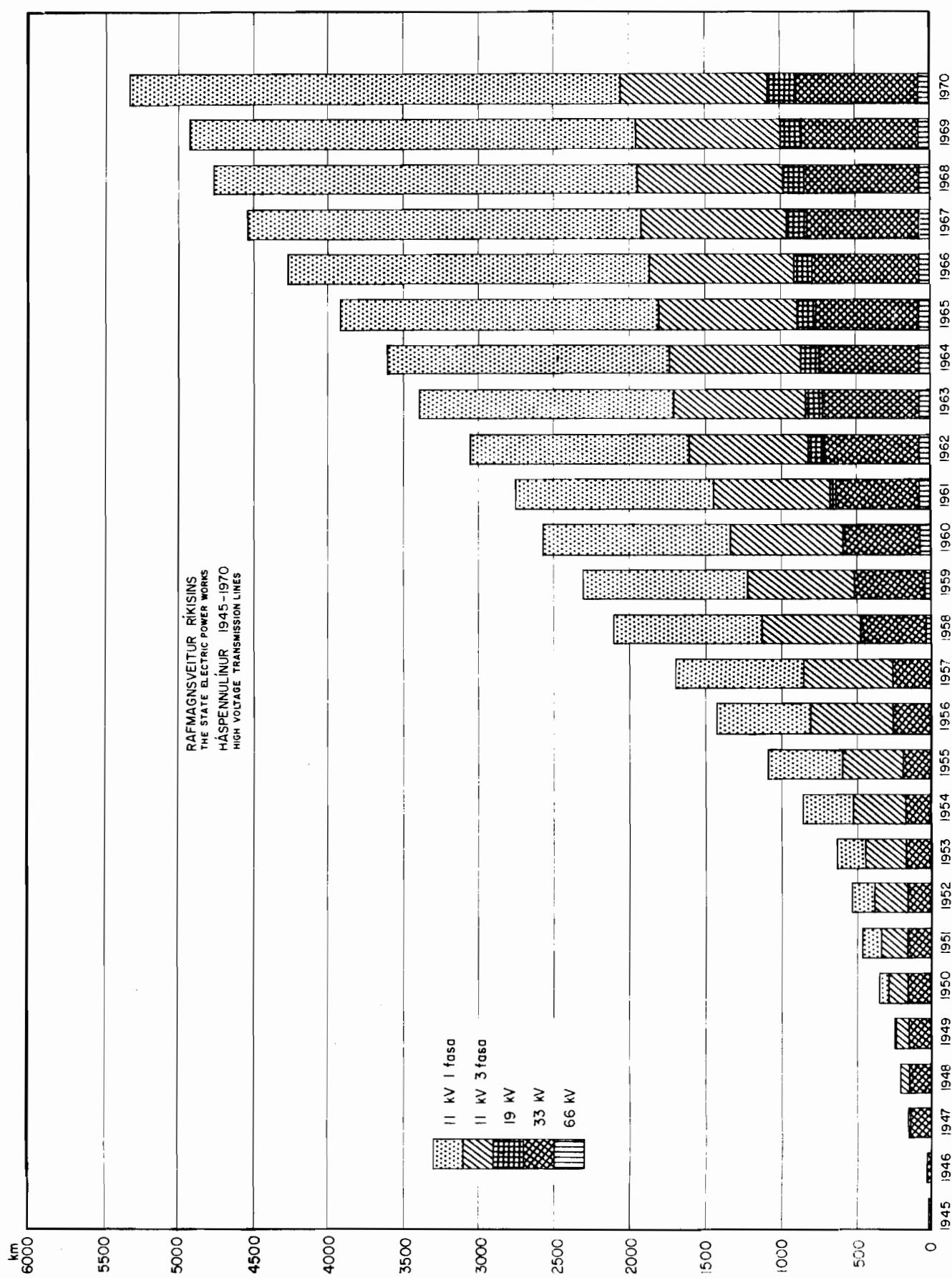
MWh Verg raforkunotkun rafveitu Sauðárkróks 1960-1970

GWh Verg raforkunotkun rafveitu Sauðárkróks
siðustu 12 mánaða á hverjum tíma 1961-1970









UM MÆLIEININGAR AFLS OG ORKU

Í töflum þeim, er hér hafa birzt, eru notaðar einingar þær og skammstafanir, er alþjóðlega raftækninefndin (International Electrotechnical Commission - IEC) mælir með, og notaðar hafa verið í flestum löndum heims, þar á meðal á Norðurlöndum um langan aldur.

Grundvallareining afls er watt (skammstafað: W; einingen er nefnd eftir James Watt, þeim er fann upp gufuvélina).

Grundvallareining orku er í rauninni wattsekúnda (skst. Ws; s er alþjóðleg skammstöfun fyrir sekúndu; dregið af latneska orðinu secunda = sekúnda), en sökum þess hve líti eining það er fyrir flest hagnýt not, var mynduð einingen wattstund (skst. Wh; h er alþjóðleg skammstöfun fyrir klukkustund; dregin af latneska orðinu hora = klukkustund).

1 wattstund er orka sú, sem aflið 1 watt gefur á einni klukkustund.

Grundvallareiningar þessar, W og Wh, eru í mörgum tilfellum óþægilega smáar, einkum ef um er að ræða afl og orku stórra raforkuvera, samanlagt afl eða orku raforkuvera í heilum landshlutum eða löndum. Af þeim sökum eru mjög notaðar aðrar stærri einingar, sem leiddar eru af grundvallareiningunum, á sama hátt og t.d. einingen kílometri, km, er afleidd af grundvallareiningunni metri, m, eða kílogramm, kg, er leitt af gramm, g, o.s.frv.

Helstu afleiddar einingar afls og orku eru þessar :

Afl :

Kílowatt	kW				1 000 W
Megawatt	MW				1 000 000 W
Gígawatt	GW	1 000 MW		1 000 000 kW	1 000 000 000 W
Terawatt	TW	1000 GW	1 000 000 MW	1 000 000 000 kW	1 000 000 000 000 W

Orka :

Kílowattstund	kWh				1 000 Wh
Megawattstund	MWh				1 000 000 Wh
Gígawattstund	GWh	1 000 MWh		1 000 000 kWh	1 000 000 000 Wh
Terawattstund	TWh	1000 GW	1 000 000 MWh	1 000 000 000 kWh	1 000 000 000 000 Wh

MERKING TAKNA

- núll eða ekki
- 0 minna en hálf eining
- ... að upplýsingar séu ekki fyrir hendi
- .
- að ekki er tala skv. eðli málsins
- x að talan er að nokkru eða öllu leyti áætluð
- () að talan í sviganum er ekki með í summu
- innifalið í annarri tölu eins og örín vísar til
1), 2), o.s.frv. tilvísun til athugasemda

