

## The List of Investment Projects for the Period of RusHydro Investment Program Implementation and a Plan for their Financing for 2023-2027

No.	Facility	Project implementation stage <sup>1</sup>	Design capacity / length of networks		Year of starting construction	Year of project implementation completion	Total construction cost, mln RUB <sup>2</sup>	Residual construction cost as of 01.01.2022, mln RUB <sup>2</sup>	Capacity commissioning plan						Financing plan <sup>2</sup> , mln RUB					
			MW	Gcal/h					2023	2024	2025	2026	2027	total 2023-2027	2023	2024	2025	2026	2027	total 2023-2027
1	Technical retrofitting and upgrading		MW						33,00	37,00	29,00	77,50	51,70	<b>228,20</b>	32 413,45	30 511,04	29 887,88	29 918,04	30 000,00	<b>152 730,40</b>
2.	New construction		MW	<b>2 100,0</b>			<b>416 175,48</b>	<b>406 425,90</b>	120,00	0,00	450,00	360,00	1 170,00	<b>2 100,00</b>	96 615,58	64 071,59	96 653,66	58 144,25	41 273,10	<b>356 758,18</b>
			Gcal/h	<b>2 582,00</b>					190,00	0,00	0,00	100,00	2 292,00	<b>2 582,00</b>						
2.1.	Projects approved by Directives No. 1544-r of 15.07.2019, No. 2101-r of 30.09.2018		MW	<b>2 100,0</b>			<b>416 175,48</b>	<b>406 425,90</b>	120,00	0,00	450,00	360,00	1 170,00	<b>2 100,00</b>	96 615,58	64 071,59	96 653,66	58 144,25	41 273,10	<b>356 758,18</b>
			Gcal/h	<b>2 582,0</b>					190,00	0,00	0,00	100,00	2 292,00	<b>2 582,00</b>						
2.1.1	Upgrading of the energy production and technological complex of Vladivostokskaya CHPP-2, with the replacement of turbine units, st. Nos 1, 2, 3 and the installation of 3 boiler units, 540 t/h each <sup>3</sup>	C	MW	360,0	2019	2028	26 452,83	22 815,22	120,00	0,00	0,00	0,00	240,00	<b>360,00</b>	13 266,67	1 771,04	251,37	251,37	251,37	<b>15 791,81</b>
			Gcal/h	570,0					190,00	0,00	0,00	0,00	380,00	<b>570,00</b>						
2.1.2	Construction of Artemovskaya CHPP-2 with off-site infrastructure <sup>3</sup>	C	MW	440,0	2020	2028	72 874,34	69 581,53	0,00	0,00	0,00	0,00	440,00	<b>440,00</b>	26 397,79	8 161,39	18 498,95	5 153,40	4 747,47	<b>62 959,00</b>
			Gcal/h	452,0					0,00	0,00	0,00	0,00	452,00	<b>452,00</b>						
2.1.3	Construction of Khabarovskaya CHPP-4 with off-site infrastructure <sup>3</sup>	C	MW	410,0	2019	2028	86 856,76	85 268,64	0,00	0,00	0,00	0,00	410,00	<b>410,00</b>	18 627,20	13 931,15	11 101,90	12 270,25	13 436,71	<b>69 367,22</b>
			Gcal/h	1 360,0					0,00	0,00	0,00	0,00	1 360,00	<b>1 360,00</b>						
2.1.4	Construction of Yakutskaya SDPP-2 (2nd stage) <sup>3</sup>	C	MW	160	2019	2028	57 487,48	56 507,45	0,00	0,00	0,00	80,00	80,00	<b>160,00</b>	7 768,72	9 711,24	5 307,53	11 503,64	13 678,35	<b>47 969,47</b>
			Gcal/h	200					0,00	0,00	0,00	100,00	100,00	<b>200,00</b>						
2.1.5	Extension of Partizanskaya SDPP <sup>3</sup>	C	MW	280,0	2021	2027	76 222,54	76 091,53	0,00	0,00	0,00	280,00	0,00	<b>280,00</b>	13 452,12	15 444,07	18 377,11	12 895,43	9 159,21	<b>69 327,93</b>
2.1.6	Construction of the 2nd stage of Neryunginskaya SDPP <sup>3</sup>	C	MW	450,0	2021	2026	96 281,52	96 161,52	0,00	0,00	450,00	0,00	0,00	<b>450,00</b>	17 103,09	15 052,70	43 116,80	16 070,16	0,00	<b>91 342,75</b>
	<b>TOTAL RusHydro Investment Program</b>		MW						153,00	37,00	479,00	437,50	1 221,70	<b>2 328,20</b>	<b>129 029,04</b>	<b>94 582,63</b>	<b>126 541,53</b>	<b>88 062,29</b>	<b>71 273,10</b>	<b>509 488,59</b>
			Gcal/h						190,00	0,00	0,00	100,00	2 292,00	<b>2 582,00</b>						

<sup>1</sup> C - construction<sup>2</sup> In forecast prices of the corresponding years, mln RUB, VAT included.<sup>3</sup> The parameters of the project will be specified based on the results of development of design documentation, obtaining a positive opinion from the state expertise on the reliability of determining the estimated cost of construction, reconstruction of a capital construction facility