

APPENDIX 6. A List of Natural Areas in Preferential Protection (NAPP) Accessible for Federal Grid Company for the Purposes of Operation

No	Federal Grid Company Facility	Land area, hectares	A type of title to the land	Location (RF region, city, etc.)	Name of NAPP
MES of Center					
Upper Don PMES					
1	220kV HVL Voronezhskaya 1.2 (11.944km)	35.8	Leased	Russia, Voronezh Region, Verkhnehavsky District	The Voronezh State Natural Biospheric Reserve
Volga-Don PMES					
2	500 kV HVL Balashovskaya-Lipetskaya (8.468km, supports NN 894-9150)	0.3157	Leased	Novokhopersk District, Voronezh Region	The Koper State Natural Reserve
3	500 kV HVL Balashovskaya – Lipetskaya 2 (with a branch to Novovoronezhskaya NPP), 8.777 km, supports NN 894-916.	0.8406			
Moscow PMES					
4	220 kV Kashira-Oka 1,2	11.97	In actual use	Moscow Region, Serpukhov District	The Prioksky Terrace State Biospheric Reserve
Priokskoye PMES					
5	500 kV HVL Smolenskaya NPP – Kaluzhskaya	0.984	In open-ended permanent use	Kaluga Region, Ukhnovsky District	Ugra National Park
6	220 kV HVL Cherepet – Liteinaya	0.135	Leased	Kaluga Region, Kozelsky District	Kaluga Blaze Reserve
7	220 kV HVL Cherepet – Tsementnaya	0.051			
8	500 kV HVL Smolenskaya NPP - Mikhailovskaya	2.912	Leased	Kaluga Region, Uljanovsky District	
Chernozemnoye PMES					
9	500 kV HVL Novobryanskaya – Yelets (commissioned in 1997, supports NN 212-308, 26.5km long)	185.5	Leased	Orel Region, Khotynetsky District	Orel Forest National Park
MES Siberia					
Khakasskoye PMES					
10	500 kV HVL Sayano-Shushenskaya HPP – Novokuznetskaya (HVL-541)	26.61	Leased	Republic of Khakassia	Shoria National Park
11	500 kV HVL Sayano-Shushenskaya HPP – Novokuznetskaya (HVL – 542)				
12	220 kV HVL Shushenskaya Backbone – Minusinskaya Backbone (D-37/38)	0.07488	Leased	Krasnoyarsk Region	Shushenskoye Pine Wood National Park
13	220 kV Shushenskaya Backbone – Turan (D-46)				
Zabaikalskoye PMES					
14	220 kV HVL Mysovaya – Vydrino (HVL-273)	3.5418	Leased	Republic of Buryatia	The Baikal State Natural Biospheric Reserve
15	220 kV Mysovaya – Baikalskaya (HVL-274)				
16	500 kV HVL Irkutsk – Gusinozersk SDPP				
MES East					
Khabarovskoye PMES					
17	220 kV double-circuit HVL Khekhzir-Gidroliznaya with a branch to Kruglikovo/t SS L-227 and Khekhzir – Dormidontovka/t with a branch to Kruglikovo/t L-228 from support 14 till support 38	48.0	Leased	Khabarovsk Region	Bolshekhkhzirsky State Natural Reserve

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MES Urals					
South Ural PMES					
18	500 kV HVL Zlatoust-Chelyabinskaya	22.7 (protected zone), 0.5865 (under supports)	Leased	Chelyabinsk District, Miass City County	The Ilmen State Reserve named after V.I. Lenin (the Ural Branch of the Russian Academy of Sciences)
			Leased		
Permskoye PMES					
19	500 kV HVL Votkinskaya HPP - Vyatka	0.064		Udmurtia Republic, Votkinsky District	Netchkinsky National Park
MES South					
Rostovskoye PMES					
20	330 kV HVL NchSDPP - Yuzhnaya	2.0637	Leased	Rostov Region, Kuibyshevo District	Lysogorka
21	220 kV HVL R20-T10	0.5356	Leased	Rostov Region, Myasnikovsky District	Kamennaya Balka
22	220 kV HVL R30 – T15	1.2435	Leased	Rostov Region, Myasnikovsky District	Tchulekskaya Balka
23	500 kV HVL – 509 Rostov NPP Shakhty	0.2719	Leased	Rostov Region, Volgodonsk	Dendrological Park
24	220 kV HVL NchSDPP - NZB	0.1905	Leased	Rostov Region, Oktyabrsky District	Persianovskaya Steppe Reserve
25	220 kV HVL Pogorelovo - Donetskaya	0.0339446	Leased	Rostov Region, Kamensky District	Glubokaya River Chalk
26	500 kV HVL – 509 Rostov NPP - Shakhty	0.6612	Leased	Rostov Region, Tsimlyansk District	Donskoi Natural Park
27	220 kV HVL Central SDPP – SH30	0.40525	Leased		
28	500 kV HVL – 505 Rostov NPP - Tikhoretsk	0.9328	Leased	Rostov Region, Proletarsky District	Veselovskoye Water Reservoir and Manych-Gudilo Lake
29	ВЛ 220 кВ РП Волгодонск - Сальск	1.4255	Leased		
Stavropolskoye PMES					
30	330 kV SS Mashuk	5.5107	Leased	Stavropol Region, Pyatigorsk	Located on health resort grounds
31	330 kV HVL -03 HPP-2-Mashuk	0.0662	Leased	Stavropol Region, Zheleznovodsk	Located on health resort grounds
32	330 kV HVL – 04 Mashuk – Prokhladnaya. The land area is part of a populated locality	0.0662	Leased	Stavropol Region, Zheleznovodsk	Located on health resort grounds
Sochinskoye PMES					
33	220 kV HVL Psou-Poselkovaya with 220 kV SS Poselkovaya	10.66	Servitude	Krasnodar Region, Sochi National Park	Sochi National Park
34	500 kV HVL Vardane-Psou Section till the Georgian Border	3.0917	In use	Krasnodar Region, Sochi, Central, Lazarevsky, Khosta, and Adler Districts	Natural areas in preferential protection
35	220 kV overhead HVL 220 kV SS Psou, support No 47 (11.06km to the Georgian border)	0.229368	In actual use	Krasnodar Region, Sochi, Adler District	Natural areas in preferential protection
36	220 kV overhead HVL, 220 kV SS Psou, support No 47 (0.67 km to the Georgian border)	0.02542	In actual use	Krasnodar Region, Sochi, Adler District	Natural areas in preferential protection
37	220/110/10 kV SS Dagomys – the land is a part of a populated locality	3.86	In actual use	Krasnodar Region, Sochi, Lazarevsky District and Dagomys	Located within the second zone of the mountain-sanitary protection county
38	220/110/10 kV Psou – the land is a part of a populated locality	2.59	In actual use	Krasnodar Region, Sochi, Adler District, Veseloye Village	Located within the second zone of the mountain-sanitary protection county
MES Volga					
Nizhegorodskoye PMES					
39	500 kV HVL Ulianovskaya Severnaya (24.5km) 500 kV HVL Ulianovskaya Yuzhnaya (24.4km)	244.4	Leased	Republic of Mordovia, Ichalkovsky District	Smolny National Park
Mid-Volga PMES					
40	500 kV HVL Volzhskaya HPP named after Lenin – Veshkaima (Kuibyshevskaya-Yuzhnaya) (14.91km)	1.481 hectares under the supports	Leased	Samara Region, Stavropol District, Zhigulevsk	Samarskaya Luka National Park

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Lower Volga PMES					
41	220 kV HVL Saratov HPP – Kubra (2.52km)	4,5 hectares under the supports	Leased	Saratov Region	Kvalynsky National Park
MES North-West					
Karelskoye PMES					
42	L-397 330 kV HVL Kolskaya NPP – Monchegorsk, supports NN 91-105 (10 intermediate supports and 4 anchor supports) on the territory of the reserve. L-398 330 kV HVL Kolskaya NPP – Monchegorsk, supports NN 88-102 (10 intermediate supports and 4 anchor supports) on the territory of the reserve.	0.515	Leased	Monchegorsk District, Murmansk Region (western part of Kolsky peninsula)	The Lapland State Biospheric Natural Reserve
43	L-392 330 kV HVL Kondopoga - Petrozavodsk, supports NN 81-90, (3 anchor and 6 intermediate supports) 35 kV cable HVL Laskelya – Valaam No1, 632 wooden supports, 90 anchor supports and 542 intermediate supports	0.16	Leased	Kondopoga District, not far from Kondopoga city, near Marzialnye Vody Settlement	Sanitary protection county, termed as Marzialnye Vody Sanatorium health resort forests
44	35 kV cable HVL Laskelya – Valaam No1, 632 wooden supports, 90 anchor supports and 542 intermediate supports	0.162	Leased	Located in Sortavala District of Karelia Republic, in the northern part of Ladoga Lake, in 22 km from the mainland	Valaam Archipelago Natural Park
	35 kV SS Valaam	0.130			
	6kV DPP Valaam	0.232			