

Overview of grid projects, status and proposed date of operation (as at 15.09.2020)

GRID PROJECT	DESCRIPTION AND MAIN AIMS	CURRENT STATUS*	PLANNED OPERATION**
6. Bassecourt–Mühleberg	<ul style="list-style-type: none"> ▪ Upgrading of the existing line over a length of 45 km by increasing the voltage level to 380 kV because decommissioning Mühleberg nuclear power plant will lead to withdrawal of some feed-in at the 220 kV grid level ▪ Contribution to Swiss grid security and security of supply 	BVGer	2023
7. Magadino	<ul style="list-style-type: none"> ▪ Installation of transformers between the 220 kV and 380 kV grids ▪ The aim is to improve the transfer of energy generated in Maggiatal by hydropower ▪ Contribution to security of supply in Ticino 	Project idea	2035
8. Génissiat–Foretaille	<ul style="list-style-type: none"> ▪ Upgrading of (replacement of cable) the existing 220 kV twin lines over a length of 17 km ▪ Eliminates frequent bottlenecks which occur for imports from France 	In operation	Concluded in 2018 and in operation
9. Mettlen–Ulrichen 9.1. Mettlen–Innertkirchen 9.2. Innertkirchen–Ulrichen (Grimsel line)	<ul style="list-style-type: none"> ▪ Upgrade the existing 220 kV line over 88 km to cope with a future increase to 380 kV ▪ Important for the connection of new pump storage power plants to the 380 kV grid and transfer of energy to the rest of Switzerland 	9.1. Preliminary project (trunk line) 9.2. SÜL	2035
10. All'Acqua-Vallemaggia-Magadino	<ul style="list-style-type: none"> ▪ New 220 kV line through the Valle Maggia ▪ Existing line built in the 1960s will be dismantled – thus lessening the impact on the protected areas in Upper Ticino ▪ Increase of grid capacity to convey energy generated in hydropower plants in Valle Maggia ▪ Greater security of supply in the southern Alps – today production at power plants has to be curbed 	SÜL	2035
Connection of Nant de Drance NdD_1 Le Verney/Rosel-Bâtiaz NdD_2 Bâtiaz–Châtelard NdD_3 Châtelard–Nant de Drance	<ul style="list-style-type: none"> ▪ Connection of pump storage power plant Nant de Drance to the high tension grid ▪ Part of the strategic grid in the Swissgrid initial grid ▪ Contribution to integrate new renewable energy sources 	NdD_1 Realisation NdD_2 In operation NdD_3 In operation	2022
ASR (Axe Stratégique Réseau) in the Geneva area	<ul style="list-style-type: none"> ▪ Underground cabling of existing 220 kV line from Foretaille-Verbois over a length of about 4.5 km alongside Geneva airport 	Realisation	2023

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*As at 15 september 2020

**According to Swissgrid planning