

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**
1. Chamoson–Chippis	<ul style="list-style-type: none"> ▪ New 30 km long 380 kV overhead transmission line between Chamoson and Chippis ▪ Dismantling of almost 89 km of power lines in the Rhone plain ▪ Transfer production from hydropower plants in Valais ▪ Improved connection between Valais and the Swiss and European high tension grid ▪ Contribution to grid security in Switzerland 	Realisation	2022
2. Bickigen–Chippis (Gemmi line)	<ul style="list-style-type: none"> ▪ Modernisation of substations at Bickigen and Chippis and of the existing 106 km route by increasing current to 380 kV ▪ Installation of a 220/380 kV grid coupling transformer in the Chippis switchgear facility ▪ Improved transfer of electricity production from Valais ▪ Contribution to security of supply 	PGV SFOE	2027
3. Pradella–La Punt	<ul style="list-style-type: none"> ▪ Increase voltage from 220 to 380 kV on existing 50 km route ▪ Modification of switchgear at Pradella and increase of voltage to 380 kV ▪ Elimination of existing bottleneck ▪ Contribution to Swiss and European grid security 	Realisation	2023
4. Chippis–Lavorgo 4.1. Chippis–Mörel 4.2. Mörel–Ulrichen (Gommer line) 4.3. Chippis–Stalden 4.4. Airolo–Lavorgo	<ul style="list-style-type: none"> ▪ Increase voltage to 380 kV on 124 km Chippis–Mörel–Lavorgo axis (Chippis–Stalden remains at 220 kV) ▪ Dismantling of existing lines over 67 km ▪ Supplements the main supply route for Ticino ▪ Elimination of a critical supply bottleneck 	4.1. PGV ESTI 4.2. Realisation (Mörel–Ernen)/In operation (Ernen–Ulrichen) 4.3. PGV SFOE (Agarn–Stalden)/PGV ESTI (Chippis–Agarn) 4.4. PGV ESTI	2029
5. Beznau–Mettlen 5.1. Beznau–Birr 5.2. Birr–Niederwil 5.3. Niederwil–Obfelden 5.4. Obfelden–Mettlen	<ul style="list-style-type: none"> ▪ Optimisation of existing route over 40 km by increasing current to 380 kV and upgrading on a stretch of 24 km ▪ Elimination of a structural bottleneck ▪ Creation of the conditions needed to combine domestic hydropower plants with fluctuating energy from wind and photovoltaic plant to respond to demand 	5.1. In operation 5.2. Preliminary project 5.3. SÜL 5.4. Preliminary project	2030

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*As at 15 september 2020

**According to Swissgrid planning