

Project of common interest:

2.15.1

## Electricity interconnection

### North-South electricity interconnections in Western Europe

#### COUNTRIES INVOLVED

Switzerland (CH)  
Italy (IT)

#### PROJECT PROMOTERS

Terna - Rete Elettrica Nazionale SpA (IT)  
<http://www.terna.it/>  
Swissgrid (CH)  
<https://www.swissgrid.ch/>

#### BASIC TECHNICAL DATA

Capacity: 1000 MW  
300 kV ÷ 350 kV HVDC link between the new converter stations (AC to DC) of Pallanzeno (IT) and Baggio (IT)  
Voltage: 400kV AC connection between All'Acqua (CH) and Pallanzeno (IT); 300 kV ÷ 350 kV HVDC link between the

new converter stations (AC to DC) of Pallanzeno (IT) and Baggio (IT)  
Length: 160 km

#### LOCATION

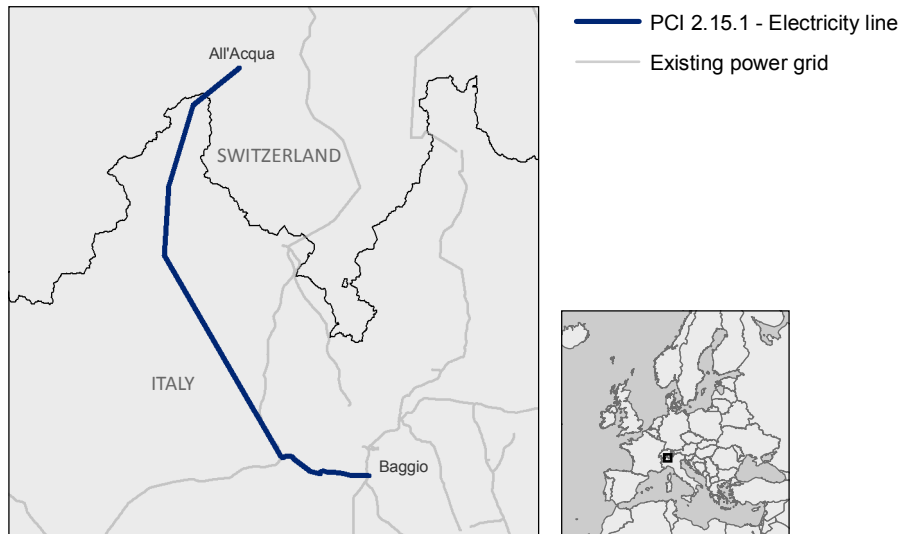
All'Acqua (CH) to Baggio (IT)

#### COMMISSIONING DATE

2025

#### LAST UPDATE

March 2018



Source: PLATTS, GISCO, European Commission

#### Definition

2.15.1 - Interconnection between Airolo (CH) and Baggio (IT)

#### Cluster

PCI 2.15.1 - belonging to cluster 2.15: Cluster Italy – Switzerland capacity increase at IT/CH border

#### Type of technology employed

A new DC/AC link (OHL) between Switzerland and Italy, connecting All'Acqua (CH), Pallanzeno (IT) and Baggio (IT) of about 160 km, including the following network items: - 400kV AC connection between All'Acqua (CH) and Pallanzeno (IT); - 300 kV ÷ 350 kV HVDC link between the new converter stations (AC to DC) of Pallanzeno (IT) and Baggio (IT)

#### Implementation status

Permitting