Green Bond Project (post issue) ISSUED 2018-MATURITY 2025 (ISIN XS1881533563)

March 2023

Revamping Saliceti Plant owned by ReCos company (WDF recovery)

1 WASTE MANAGEMENT BU





Accumulators district heating in San Salvario (TO)



Accumulators district heating in Piacenza (PC)



Accumulators district heating in Parma (PR)

4 ENERGY BU





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Accumulators district heating in Reggio Emilia (RE)

5 ENERGY BU



The Reggio Emilia district heating network is fed by a cogeneration section and supplementary and reserve boilers in the north-east area of the network (Energy Hub), the supplementary and reserve boilers in the south-west (Network 1 Plant), south-east (Pappagnocca Plant) and north-east (Via Sardegna Plant) areas of the network.

A 1,600 m³ accumulation system is already installed in the Reggio Emilia district heating network at the Energy Hub, with a daily loading/unloading operation during the heating season.

The new accumulator system being planned made up of 4 accumulators, with an overall capacity of 1,200 m³ and will be installed at the Via Sardegna Plant. The function of the accumulation system is to store the thermal energy produced by the cogeneration thermal power plants when heat demand is lower, in order to transfer it later, when the district heating network is operating with its maximum load, thus reducing the use of supplementary boilers.

The energy contributed by the accumulation system makes it possible to achieve objectives such as increased operating flexibility and commissioning speed, increased flexibility in managing thermal energy flows, saving primary sources and reducing greenhouse gases.



San Mauro/Diga del Pascolo Mini Hydro plant



Cogeneration plant Torino Nord

7 ENERGY BU



Valle Orco hydroelectric plants

8 ENERGY BU





ENERGY BU 9 VDE hydroelectric plant (Chiomonte-Susa) repowering project **Eligible Category** Renewable energy (Mini hydro power) Full amount project Financed amount **KPIs** • Electrical energy produced from renewable non-fossil sources per operating year [MWhe] 21.8 mln Total 4.5 mln • Avoided CO₂ emissions from fossil sources per operating year [t] **Project description** The upgrade entails modernising the two plants located in Valle Dora, specifically: - the upstream plant with intake in the Municipality of Salbertrand and the hydroelectric station in Chiomonte; - the plant with intake in Chiomonte and the plant in Susa. The project has been divided into three consecutive phases: an initial authorisation phase; - a second executive design phase; - a third site preparation and construction phase. The projects were carried out in the period from December 2018 to September 2020. The Chiomonte and Susa plants are respectively in regular operation from July 2020 and September 2020.

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Cogeneration plant Moncalieri-GT2 RPW



Mini Hydro Fornace plant in Baiso (RE)

11 ENERGY BU



Photovoltaic plants owned by "Varsi" company

	Renewable energy	y (Solar PV energy genera	ation)				
Full amount project	Finance	Financed amount		KPIs			
27.5 mln	Total	16.8 mln	 Net produced electricity from renewable non-fossil sources per operating year [kWh] Avoided CO₂ emissions from fossil sources per operating year [t] 				
		Project description					
Varsi Fotovoltaico encompasses 12 photovoltaic plants: 8 on the ground and 4 on roofs, with an overall power of 8.4 MWh.		Plant	Municipality	Province	Power (KWP)	Туре	
The ground and Forroots, with all Over	all power of 8.4 MWh.	Gonzaga Fiera	Gonzaga	Mantua	741	Roof	
the ground and 4 on roots, with an over	all power of 8.4 MWh.	Gonzaga Fiera Gonzaga Bocciodromo (Bocce hall)	Gonzaga Gonzaga	Mantua Mantua	741 43	Roof Roof	
the ground and 4 on roots, with an over	all power of 8.4 MWh.	Gonzaga Fiera Gonzaga Bocciodromo (Bocce hall) Gonzaga middle school	Gonzaga Gonzaga Gonzaga	Mantua Mantua Mantua	741 43 64	Roof Roof Roof	
the ground and 4 on roots, with an over	all power of 8.4 MWh.	Gonzaga Fiera Gonzaga Bocciodromo (Bocce hall) Gonzaga middle school Rigosa PTV [photovoltaic plant]	Gonzaga Gonzaga Gonzaga Roccabianca	Mantua Mantua Mantua Parma	741 43 64 890	Roof Roof Roof Ground	
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the ground and 4 on roots, with an over	all power of 8.4 MWh.	Gonzaga Fiera Gonzaga Bocciodromo (Bocce hall) Gonzaga middle school Rigosa PTV [photovoltaic plant] Canesio PTV Bellario, road to Soragna PTV	Gonzaga Gonzaga Gonzaga Roccabianca Pellegrino P.se San Secondo P.se	Mantua Mantua Mantua Parma Parma Parma	741 43 64 890 551 998	Roof Roof Ground Ground Ground	
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Photovoltaic plants owned by "Greensource" company

13 ENERGY BU





E-mobility initiatives in the Iren offices

14 MARKET BU



Investiments in Sewage and Waste water plants (Emilia and Liguria)

15 NETWORKS BU



Electricity distribution investments

16 NETWORKS BU



