

**ELENCO KPI (post issue) GREEN BOND ISSUED 2018-MATURITY 2025 (ISIN: XS1881533563)**

Business Unit	n	Project Description	Eligible Green Category	Eligible Category (DNV)	KPI	UM	CONSUNTIVO 2017	CONSUNTIVO 2018	2019	2020	2021	2022
BU Ambiente	1	Revamping Saliceti plant owned by Recos company (WDF recovery)	Waste Management Efficiency and Recycling	Waste collection and sorting upgrades	Waste-derived fuel (WDF) per operating year	t	7.886	2.585	29.811	29.811	29.811	29811
					Percentage of WDF on total treated waste per operating year	%	10,02%	5,00%	28,50%	28,50%	28,50%	28,50%
BU Energia	2	Accumulators district heating in San Salvario (TO)	Energy Efficiency	Energy Distribution and Management	Primary energy saving per operating year	MWh				5.824	12.395	11.488
					Electrical energy produced from renewable non-fossil sources per operating year	MWh				18,30	18,30	18,30
					Avoided CO2 emissions from fossil sources per operating year	t				1.145	2.437	2.259
					Avoided CO2 emissions from fossil sources per operating year by photovoltaic plant	t				9,37	9,37	9,37
	3	Accumulators district heating in Piacenza (PC)	Energy Efficiency	Energy Distribution and Management	Primary energy saving per operating year	MWh				3.180	3.180	3.180
					Avoided CO2 emissions from fossil sources per operating year	t				625	625	625
	4	Accumulators district heating in Parma (PR)	Energy Efficiency	Energy Distribution and Management	Primary energy saving per operating year	MWh				3.180	3.180	3.180
					Avoided CO2 emissions from fossil sources per operating year	t				625	625	625
	5	Accumulators district heating in Reggio Emilia (RE)	Energy Efficiency	Energy Distribution and Management	Primary energy saving per operating year	MWh				10.407	10.407	10.407
					Avoided CO2 emissions from fossil sources per operating year	t				2.046	2.046	2.046
	6	San Mauro/Diga del Pascolo Mini Hydro plant	Renewable Energy	Mini Hydro Power	Electrical energy produced from renewable non-fossil sources per operating year	MWhe					6.700	6.700
					Avoided CO2 emissions from fossil sources per operating year	t					3.430	3.430
	7	Cogeneration plant Torino Nord	Energy Efficiency	Cogeneration Facilities	Electrical energy produced per operating year	MWhe	2.002.201	2.079.471	1.835.891	1.865.459	1.820.532	1.820.931
					Thermal energy produced per operating year	MWht	958.458	1.013.481	1.098.490	1.092.247	1.088.406	1.102.496
					Primary energy saving per operating year	MWh	1.226.699	1.263.239	1.355.705	1.361.210	1.348.095	1.363.535
					Avoided CO2 emissions from fossil sources per operating year	t	397.432	361.382	372.763	385.577	363.262	366.492
8	Valle Orco hydroelectric plants	Renewable Energy	Mini Hydro Power	Electrical energy produced from renewable non-fossil sources per operating year	MWhe	647.139	785.192	633.055	633.055	633.055	633.055	
				Avoided CO2 emissions from fossil sources per operating year	t	397.432	375.498	376.466	376.466	376.466	376.466	
9	VDE hydroelectric plants (Chiomonte- Susa) Repowering project	Renewable Energy	Mini Hydro Power	Electrical energy produced from renewable non-fossil sources per operating year	MWhe	59.818	57.263	19.030	19.030	19.030	19.030	
				Avoided CO2 emissions from fossil sources per operating year	t	29.418	27.384	9.359	9.359	9.359	9.359	
10	Cogeneration plant Moncalieri – GT2 RPW	Energy Efficiency	Cogeneration Facilities	Electrical energy produced per operating year	MWhe	1.882.310	1.807.728	1.474.560	1.474.560	1.474.560	1.474.560	
				Thermal energy produced per operating year	MWht	680.375	538.323	432.117	432.117	432.117	432.117	
				Primary energy saving per operating year	MWh	1.026.936	905.088	778.874	800.263	820.670	840.349	
				Avoided CO2 emissions from fossil sources per operating year	t	321.873	269.818	241.958	252.292	257.175	265.655	
11	Mini Hydro Fornace plant in Baiso (RE)	Renewable Energy	Mini Hydro Power	Net produced electricity from renewable non-fossil sources per operating year	kWh	4.814.847	7.599.000	7.400.000	7.400.000	7.400.000	7.400.000	
				Avoided CO2 emissions from fossil sources per operating year	t	2.368	3.634	3.639	3.639	3.639	3.639	
12	Photovoltaic plants owned by "Varsi" company	Renewable Energy	Solar PV Energy Generation	Net produced electricity from renewable non-fossil sources per operating year	kWh	9.462.000	8.700.000	8.861.162	8.861.162	8.861.162	8.861.162	
				Avoided CO2 emissions from fossil sources per operating year	t	4.848	4.160	4.358	4.358	4.358	4.358	
13	Photovoltaic plants owned by "Greensource" company	Renewable Energy	Solar PV Energy Generation	Net produced electricity from renewable non-fossil sources per operating year	kWh	4.491.000	4.255.000	4.137.375	4.137.375	4.137.375	4.137.375	
				Avoided CO2 emissions from fossil sources per operating year	t	2.301	2.035	2.035	2.035	2.035	2.035	
BU Mercato	14	E-mobility initiatives in the Iren offices	Transport	Electric Vehicles	Avoided CO2 emissions from fossil sources per operating year	t		52	489	691	871	1.063
BU Reti	15	Investments in Sewage and Waste water plants (Emilia and Liguria)	Waste Water Treatment	Waste Water Treatment Plant Upgrades	Water Treatment plants	N	1.122	1.278	1.299	1.299	1.299	1.299
					Sewage systems	km	9.924	10.718	10.803	10.803	10.803	10.803
	16	Electricity distribution investments	Energy Efficiency	Energy Distribution and Management	Network leaks	%	3,91%	3,93%	3,91%	3,91%	3,91%	3,91%
Electricity fed into the network					GWh	4.420	4.002	4.420	4.420	4.420	4.420	