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

Business Unit	n	Project Description	Eligible Green Category	Eligible Category (DNV)	KPI	UM	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	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	20.251	29.811	29.811	29.811	29.811
					Percentage of WDF on total treated waste per operating year	%										10,02%	22,90%	28,50%	28,50%	28,50%	28,50%
	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
BU ENERGIA	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 CO_2 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 CO_2 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 CO_2 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 CO_2 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					1.432.728	1.894.130	1.080.072	2.200.788	2.133.545	2.002.201	1.756.209	1.817.075	1.817.075	1.817.075	1.817.075
					Thermal energy produced per operating year	MWht					453.069	474.766	419.311	1.092.632	1.030.891	958.458	1.026.552	1.043.014	1.043.014	1.043.014	1.043.014
					Primary energy saving per operating year	MWh					49.394	68.526	40.589	120.117	112.489	105.495	108.772	111.129	111.129	111.129	111.129
					Avoided CO_2 emissions from fossil sources per operating year	t					211.482	289.447	169.483	426.318	413.253	397.432	367.096	376.466	376.466	376.466	376.466
	8	Valle Orco hydroelectric plants	Renewable Energy	Mini Hydro Power	Electrical energy produced from renewable non-fossil sources per operating year	MWhe					659.800	835.100	657.100	744.894	607.942	647.139	662.326	633.055	633.055	633.055	633.055
					Avoided CO_2 emissions from fossil sources per operating year	t					212.358	318.999	196.644	506.814	457.165	397.432	367.096	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					56.140	72.690	62.690	62.831	60.034	59.818	18.728	19.030	19.030	19.030	19.030
					Avoided CO_2 emissions from fossil sources per operating year	t					27.643	36.882	32.407	33.198	30.760	29.418	9.210	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					1.669.146	2.028.560	1.585.195	1.292.799	1.515.332	1.882.310	1.453.465	1.474.560	1.474.560	1.474.560	1.474.560
					Thermal energy produced per operating year	MWht					659.604	751.435	817.637	477.307	612.983	680.375	425.470	432.117	432.117	432.117	432.117
					Primary energy saving per operating year	MWh					84.092	97.341	84.700	58.099	74.927	88.316	63.400	64.655	64.655	64.655	64.655
					Avoided CO_2 emissions from fossil sources per operating year	t					310.931	400.332	349.098	265.512	303.862	321.873	240.650	244.938	244.938	244.938	244.938
IREN RINNOVABILI	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					7.118.000	8.415.080	8.428.502	6.956.287	6.879.252	4.814.847	8.400.000	7.400.000	7.400.000	7.400.000	7.400.000
					Avoided CO_2 emissions from fossil sources per operating year	t					3.505	4.270	4.357	3.675	3.525	2.368	4.131	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						9.140.541	9.190.145	8.441.384	8.180.693	9.462.000	8.784.603	8.861.162	8.861.162	8.861.162	8.861.162
					Avoided CO_2 emissions from fossil sources per operating year	t						4.501	4.663	4.364	4.322	4.848	4.320	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						4.261.527	4.241.703	4.113.361	3.670.617	4.491.000	4.066.498	4.137.375	4.137.375	4.137.375	4.137.375
					Avoided CO_2 emissions from fossil sources per operating year	t						2.098	2.152	2.126	1.939	2.301	2.000	2.035	2.035	2.035	2.035
BU MERCATO	14	E-mobility initiatives in the Iren offices	Transport	Electric Vehicles	Avoided CO_2 emissions from fossil sources per operating year	t											298	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	1.014	1.030	1.035	1.047	1.047	1.056	1.076	1.085	1.102	1.122	1.299	1.299	1.299	1.299	1.299
					Sewage systems	km	7.689	8.075	8.443	8.772	8.983	9.052	9.164	9.274	9.293	9.924	10.803	10.803	10.803	10.803	10.803
	16	Electricity distribution investments	Energy Efficiency	Energy Distribution and Management	Network leaks	%				4,92%	5,43%	7,08%	6,08%	5,87%	4,65%	3,91%	3,91%	3,91%	3,91%	3,91%	3,91%
					Network leaks	GWh				220,4	243,51	315	249	246	204,1	172,82	172,82	172,82	172,82	172,82	172,82
					Electricity fed into the network	GWh				4.484	4.485	4.451	4.097	4.191	4.387	4.420	4.420	4.420	4.420	4.420	4.420