## KPI LIST (post issue) GREEN BOND ISSUED 2018-MATURITY 2025 (ISIN XS1881533563)

Business Unit	n	Project Description	Eligible Green Category	Eligible Category (DNV)	КРІ	им	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017 FINAL	2018 FINAL	2019	2020	2021	2022
WASTE MANAGEMENT	Revamping Saliceti plant owned by Recos	Waste management	Waste collection and sorting	Waste-derived fuel (WDF) per operating year	t										7.886	2.585	29.811	29.811	29.811	29811	
	1	company (WDF recovery)	efficiency and recycling	upgrades	Percentage of WDF on total treated waste per operating year	%										10%	5%	29%	29%	29%	29%
	2 Accumulators di (TO)		Energy efficiency	Energy distribution and management	Primary energy saving per operating year	MWh													5.824	12.395	11.488
		Accumulators district heating in San Salvario			Electrical energy produced from renewable non-fossil sources per operating year	MWh													18,30	18,30	18,30
		(ТО)			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 ddistribution 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 Accum	Accumulators district heating in Parma (PR)	IFnergy efficiency		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
	1 5 1.	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	nt Renewable energy	Mini hydro power	Electrical energy produced from renewable non-fossil sources per operating year	MWhe														6.700	6.700
	0	o San Madro/Diga del Pascolo Milili Hydro pian			Avoided CO2 emissions from fossil sources per operating year	t														3.430	3.430
	7 Cogeneration plant Torino Nord	Cogonoration plant Toring 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	2.079.471	1.835.891	1.865.459	1.820.532	1.820.931
ENERGY					Thermal energy produced per operating year	MWht					453.069	474.766	419.311	1.092.632	1.030.891	958.458	1.013.481	1.098.490	1.092.247	1.088.406	1.102.496
		Life gy emclency	cogeneration racinties	Primary energy saving per operating year	MWh					574.353	796.823	471.970	1.396.716	1.308.017	1.226.699	1.263.239	1.355.705	1.361.210	1.348.095	1.363.535	
LIVERGI				Avoided CO2 emissions from fossil sources per operating year	t					211.482	289.447	169.483	426.318	413.253	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					659.800	835.100	657.100	744.894	607.942	647.139	785.192	633.055	633.055	633.055	633.055	
		valle of configuration plants		Ilyaro power	Avoided CO2 emissions from fossil sources per operating year	t					212.358	318.999	196.644	506.814	457.165	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					56.140	72.690	62.690	62.831	60.034	59.818	57.263	19.030	19.030	19.030	19.030
					Avoided CO2 emissions from fossil sources per operating year	t					27.643	36.882	32.407	33.198	30.760	29.418	27.384	9.359	9.359	9.359	9.359
	10 Cogeneration plant Moncalieri – GT2 F	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	1.807.728	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	538.323	432.117	432.117	432.117	432.117
		Cogeneration plant Moncalien G12 Ki W			Primary energy saving per operating year	MWh					84.092	97.341	84.700	58.099	871.249	1.026.936	905.088	778.874	800.263	820.670	840.349
					Avoided CO2 emissions from fossil sources per operating year	t					310.931	400.332	349.098	265.512	303.862	321.873	269.818	241.958	252.292	257.175	265.655
	11 Mini Hydro Fornace plant in Baiso (RE)	Mini Hydro Fornace plant in Baiso (RF)	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	7.559.000	7.400.000	7.400.000	7.400.000	7.400.000
		11 William Hydro Fornacc plane in Balso (NE)			Avoided CO2 emissions from fossil sources per operating year	t					3.505	4.270	4.357	3.675	3.525	2.368	3.634	3.639	3.639	3.639	3.639
	Photovoltaic plants owned by "Varsi"	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	8.700.000	8.861.162	8.861.162	8.861.162	8.861.162	
	12	company	Renewable energy	Solar I V chergy generation	Avoided CO2 emissions from fossil sources per operating year	t						4.501	4.663	4.364	4.322	4.653	4.160	4.358	4.358	4.358	4.358
	Photov	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	4.255.000	4.137.375	4.137.375	4.137.375	4.137.375
	13				Avoided CO2 emissions from fossil sources per operating year	t						2.098	2.152	2.126	1.939	2.209	2.035	2.035	2.035	2.035	2.035
MARKET	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
NETWORKS	15	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	1.278	1.299	1.299	1.299	1.299
	15				Sewage systems	km	7.689	8.075	8.443	8.772	8.983	9.052	9.164	9.274	9.293	9.924	10.606	10.803	10.803	10.803	10.803
			Energy efficiency	Energy distribution and management	Network leaks	%				5%	5%	7%	6%	6%	5%	4%	4%	4%	4%	4%	4%
	16	16 Electricity distribution investments			Network leaks	GWh				220	244	315	249	246	204	173	167	173	173	173	173
					Electricity fed into the network	GWh				4.484	4.485	4.451	4.097	4.191	4.387	4.420	4.002	4.420	4.420	4.420	4.420