

BUSINESS UNIT	n	Project Description	Eligible Green Category	Eligible Category	KPI	UM	CONSUNTIVO 2017	2018	2019	2020	2021	2022	
BU AMBIENTE	1	Termovalorizzatore per produzione calore per tlr – Comune di Parma	Energy efficiency	Cogeneration Plant	PES Primary Energy Saving Indicator per operating year [%] Renewable energy share in percent on total Thermal energy recovered from waste to Parma DH network in MWh per operating year	% % GWh	17,0 49,8 195,9	17 49 150	17 49 151				
	2	Termovalorizzatore per produzione calore per tlr –	Energy efficiency	Cogeneration Plant	PES Primary Energy Saving Indicator per operating year [%] Renewable energy share in percent on total Thermal energy recovered from waste to Piacenza DH network in MWh per operating year	% % GWh			25 35 55	25 15 55	25 15 55	25 15 55	
	3	Raccolta differenziata Torino + Emilia	Waste Management Efficiency & Recycling	Waste Management Efficiency & Recycling	Total sorted waste collection (t) Total of non sorted waste disposed (t) Number of bins for sorted waste Volumes of bins for sorted waste (m³) Door to door collection system (n) Sorted waste collection hubs (n) Volumes of waste collected in the collection hubs (t)	t t N mc N N N t	711.910,5 464.836,6 615.681,0 163.037,1 1.391.087,0 113,0 193.307,65						
BU ENERGIA	4	Accumulatori teleriscaldamento del Bit (TO)	Energy efficiency	Energy distribution & management	Primary energy saving per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh t	9.201,00 1.809,00	10.079 1.981	12.181 2.395	14.372 2.826	12.395 2.437	11.488 2.259	
	5	Accumulatori teleriscaldamento del Martinetto (TO)	Energy efficiency	Energy distribution & management	Primary energy saving per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh t	18.403,00 3.618,00	20.157 3.963	24.363 4.790	28.744 5.651	24.790 4.874	22.977 4.517	
	6	Accumulatori teleriscaldamento di Mirafiori Nord (TO)	Energy efficiency	Energy distribution & management	Primary energy saving per operating year [MWh] Electrical energy produced from renewable non-fossil sources per operating year [MWh] Thermal energy produced from renewable non-fossil sources per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh MWh MWh t			5.846 45,75 350 1.149	14.372 45,75 350 2.826	12.395 45,75 350 2.437	11.488 45,75 350 2.259	
	7	Sottostazione scambio termico e pompaggio Lucento	Energy efficiency	Energy distribution & management	Electrical energy produced from renewable non-fossil sources per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh t	- -	18,3 9,37	18,3 9,37	18,3 9,37	18,3 9,37	18,3 9,37	
	8	Scambio termico e pompaggio TRM Grugliasco e interconnessione con Grugliasco e Beinasco	Energy efficiency	Energy distribution & management	Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t] Distributed thermal energy per operating year [MWh]	t MWh			31.280 145.000	31.280 145.000	31.280 145.000	31.280 145.000	
	9	Rete di teleriscaldamento di Piacenza, collegamento e stazione di pompaggio Tecnoborgo (PC)	Renewable energy	Energy Network Development	Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t] Distributed thermal energy per operating year [MWh]	t MWh	5.617,00 47.019,00	4.232 58.066	4.643 63.701	4.883 66.988	5.002 68.632	5.122 70.276	
	10	Rete di teleriscaldamento di Parma (PR)	Renewable energy	Energy Network	Primary energy saving per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t] Distributed thermal energy per operating year [MWh]	MWh t MWh	143.372,00 29.165,00 194.389,00	144.592 29.909 199.268	145.812 30.164 200.964	147.032 30.418 202.660	148.252 30.673 204.355	148.252 30.673 204.355	
	11	Sviluppo reti teleriscaldamento Torino (TO)	Renewable energy	Energy Network	Primary energy saving per operating year [GWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t] Distributed thermal energy per operating year [GWh]	GWh t GWh	3.400,00 1.046.376,00 2.307,40	3.176 1.087.995 2.336	3.330 1.140.770 2.450	3.416 1.170.222 2.513	3.479 1.191.843 2.559		
	12	Sviluppo reti teleriscaldamento Emilia (RE)	Renewable energy	Energy Network	Primary energy saving per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t] Distributed thermal energy per operating year [MWh]	MWh t MWh	120.327,00 47.097,00 407.335,00	95.553 34.658 408.418	96.191 34.889 411.144	96.758 35.095 413.567	98.175 35.609 419.625	98.175 35.609 419.625	
	13	Mini Hydro La Loggia	Renewable energy	Mini Hydro	Electrical energy produced from renewable non-fossil sources per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh t	3.342,50 1.643,80	3.536 1.810	3.536 1.810	3.536 1.810	3.536 1.810	3.536 1.810	
	14	Mini Hydro Pianchette - Noasca	Renewable energy	Mini Hydro	Electrical energy produced from renewable non-fossil sources per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh t			2020 1034	2020 1034	2020 1034		
	15	Mini Hydro Giffoni riattivazione impianto Vassi	Renewable energy	Mini Hydro	Electrical energy produced from renewable non-fossil sources per operating year [MWh] Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	MWh t			1837 940	1837 940	1837 940		
	IREN RINNOVABILI	16	Impianti Fotovoltaici Enia Solaris presso Brindisi	Renewable energy	Solar	Net produced electricity from renewable non-fossil sources per operating year (kWh) Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	kWh t	7.370.000,00 3.624,48					
	BU RETI	17	MIGLIORAMENTO IMPIANTI GENOVA	Waste Water Treatment	Waste Water	Treated population equivalent (potential) (n) Analytic parameters (Abb % BOD, Abb % COD, Abb % SST, Abb % Ntot, Abb % Ptot)	N %	231.000	231.000	236.000	326.000	423.000	423.000
		18	MIGLIORAMENTO IMPIANTI REGGIO EMILIA	Waste Water Treatment	Waste Water	Volumes of water destined to irrigation re-usage / Volumes of total treated water Treated population equivalent (potential) (n) Analytic parameters (Abb % BOD, Abb % COD, Abb % SST, Abb % Ntot, Abb % Ptot)	% N %	30% 24.250	28% 24250	28% 38850	28% 38850	28% 38850	28% 38850
19		MIGLIORAMENTO IMPIANTI DI PIACENZA	Waste Water Treatment	Waste Water	Treated population equivalent (potential) (n) Analytic parameters (Abb % BOD, Abb % COD, Abb % SST, Abb % Ntot, Abb % Ptot)	N %	23.500	23500	23500	23500	23500	23500	
20		MIGLIORAMENTO IMPIANTI DI PARMA	Waste Water Treatment	Waste Water Plant	Treated population equivalent (potential) (n) Analytic parameters (Abb % BOD, Abb % COD, Abb % SST, Abb % Ntot, Abb % Ptot)	N %	11.900	14000	14000	14000	14000	14000	
21		CELSIUS - Impianto di turboespansione cogenerativa	Energy efficiency	Cogeneration Plant	Net produced electricity from renewable non-fossil sources per operating year (kWh) Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	kWh t	45.000,00 12,13	5.100.000 1.200	5.100.000 1.200	5.100.000 1.200	5.100.000 1.200	5.100.000 1.200	
22		Investimenti idroelettrici	Renewable energy	Mini Hydro	Net produced electricity from renewable non-fossil sources per operating year (kWh) Avoided CO <sub>2</sub> emissions from fossil sources per operating year [t]	kWh t	24.898.000,00 12.244,56						