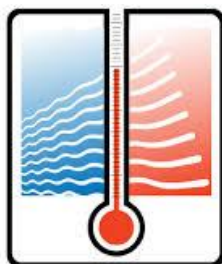




**Strategia de alimentare cu energie termică a consumatorilor
din municipiul Cluj-Napoca
în perioada 2021 – 2031 și perspectiva 2050**

Autoritatea contractantă
S.C. Termoficare Napoca S.A.



Prestator
Universitatea Tehnică din Cluj-Napoca



Beneficiar
UAT Municipiul Cluj Napoca



Anexa. Centralizatoare

Cluj-Napoca: 2021

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Considerații generale

Anexa cuprinde centralizatoarele calculelor realizate în cadrul scenariilor analizate pentru configurațiile și contururile energetice considerate.

Principalele caracteristici ale configurațiilor investigate sunt:

- Configurația A55
 - Numărul actual de apartamente
 - Reducerea nivelului emisiilor de CO₂ cu 55 %
- Configurația M55
 - Numărul de apartamente majorat cu 20%
 - Reducerea nivelului emisiilor de CO₂ cu 55 %
- Configurația I55
 - Numărul inițial de apartamente
 - Reducerea nivelului emisiilor de CO₂ cu 55 %
- Configurația A30
 - Numărul actual de apartamente
 - Reducerea nivelului emisiilor de CO₂ cu 30 %

Contururile energetice considerate sunt:

- Centralele termice de cvartal
- Insulele energetice
- Centrala termică de zonă

Suplimentar față de scenariile menționate, este prezentat un centralizator aferent scenariului denumit „Minim” care presupune numai înlocuirea rețelelor și a cazanelor existente, în condițiile numărului actual de apartamente. Pentru acest scenariu au fost evaluate costurile aferente, iar reducerea nivelului emisiilor și a costurilor de producere a energiei au fost estimate la 15% pentru centralele termice de cvartal și insulele energetice, și mai mari pentru centrala termică de zonă.

Centralizatoare pentru centralele termice de cvartal

Centralizator sintetic A55

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
CT >200 ap	Retele	45375	2025-2028	Reducere CO2	55%	313
	Sistem solar	2852		Reducere Cost	10%	
	PC apa-apa	96				
	PC aer-aer	7546				
	Cogeneare	398				
	Cazane	2737				
	Captare CO2	1040		2030-2050		
	Total 2030	59003				
	Total 2050	60043				
CT <200 ap	Retele	35375	2028-2030	Reducere CO2	55%	56
	Sistem solar	492		Reducere Cost	7%	
	PC apa-apa	0				
	PC aer-aer	2046				
	Cogeneare	0				
	Cazane	731				
	Captare CO2	272	2030-2050			
	Total 2030	38644				
	Total 2050	38916				

Centralizator investiții și efecte economice A55

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CT 13 Gheorgheni	Retele	1375		Reducere CO2	55%	66
	Sistem solar	326		Reducere Cost	19%	
	PC apa-apa	48		Pondere SRE	61%	
	PC aer-aer	864		Pondere SRE+Cg	66%	
	Cogeneare	199				
	Cazane	298				
	Captare CO2	118	2030-2050			
	Total 2030	3110				
Total 2050	3228					
CT 4 Gheorgheni	Retele	2125		Reducere CO2	55%	64
	Sistem solar	296		Reducere Cost	20%	
	PC apa-apa	48		Pondere SRE	61%	
	PC aer-aer	787		Pondere SRE+Cg	67%	
	Cogeneare	199				
	Cazane	272				
	Captare CO2	109	2030-2050			
	Total 2030	3728				
Total 2050	3837					
CT Plopilor	Retele	3625		Reducere CO2	55%	22
	Sistem solar	271		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	701		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	256				
	Captare CO2	96	2030-2050			
	Total 2030	4853				
Total 2050	4948					
CT 1 Manastur	Retele	2250		Reducere CO2	55%	13
	Sistem solar	166		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	432		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	158				
	Captare CO2	59	2030-2050			
	Total 2030	3006				
Total 2050	3065					
CT 7 Manastur	Retele	1625		Reducere CO2	55%	13
	Sistem solar	151		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	413		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	151				
	Captare CO2	56	2030-2050			
	Total 2030	2339				
Total 2050	2396					

CT Muncii	Retele	1625		Reducere CO2	55%	13
	Sistem solar	151		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	413		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	150				
	Captare CO2	56	2030-2050			
	Total 2030	2339				
	Total 2050	2395				
CT Govora	Retele	1875		Reducere CO2	55%	13
	Sistem solar	151		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	403		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	148				
	Captare CO2	55	2030-2050			
	Total 2030	2577				
	Total 2050	2632				
CT 2 Zorilor	Retele	3625		Reducere CO2	55%	12
	Sistem solar	140		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	384		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	140				
	Captare CO2	52	2030-2050			
	Total 2030	4289				
	Total 2050	4341				
CT 6 Manastur	Retele	2375		Reducere CO2	55%	10
	Sistem solar	120		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	326		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	119				
	Captare CO2	44	2030-2050			
	Total 2030	2940				
	Total 2050	2985				
CT 24 Manastur	Retele	2375		Reducere CO2	55%	10
	Sistem solar	120		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	317		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	118				
	Captare CO2	45	2030-2050			
	Total 2030	2930				
	Total 2050	2975				

CT 1 Grigorescu	Retele	2375		Reducere CO2	55%	10
	Sistem solar	120		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	317		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	118				
	Captare CO2	45	2030-2050			
	Total 2030	2930				
	Total 2050	2975				
CT 11 Manastur	Retele	2000		Reducere CO2	55%	10
	Sistem solar	116		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	307		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	113				
	Captare CO2	43	2030-2050			
	Total 2030	2536				
	Total 2050	2579				
CT 14 Gheorgheni	Retele	2125		Reducere CO2	55%	10
	Sistem solar	116		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	307		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	113				
	Captare CO2	42	2030-2050			
	Total 2030	2660				
	Total 2050	2703				
CT 5 Zorilor	Retele	3375		Reducere CO2	55%	9
	Sistem solar	110		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	288		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	107				
	Captare CO2	40	2030-2050			
	Total 2030	3880				
	Total 2050	3921				
CT Taberei	Retele	2250		Reducere CO2	55%	9
	Sistem solar	106		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	278		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	103				
	Captare CO2	39	2030-2050			
	Total 2030	2737				
	Total 2050	2776				

CT 11 Grigorescu	Retele	3250		Reducere CO2	55%	8
	Sistem solar	100		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	259		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	96				
	Captare CO2	36	2030-2050			
	Total 2030	3706				
	Total 2050	3742				
CT M Viteazu	Retele	875		Reducere CO2	55%	8
	Sistem solar	100		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	250		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	94				
	Captare CO2	36	2030-2050			
	Total 2030	1319				
	Total 2050	1355				
CT 15 AVS	Retele	4625		Reducere CO2	55%	8
	Sistem solar	95		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	250		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	92				
	Captare CO2	35	2030-2050			
	Total 2030	5062				
	Total 2050	5097				
CT Gr Manastur	Retele	1625		Reducere CO2	55%	8
	Sistem solar	95		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	250		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	91				
	Captare CO2	34	2030-2050			
	Total 2030	2061				
	Total 2050	2095				

CT 3 Grigorescu	Retele	1750		Reducere CO2	55%	6
	Sistem solar	75		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	211		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	77				
	Captare CO2	29	2030-2050			
	Total 2030	2113				
	Total 2050	2142				
CT 7 Zorilor	Retele	1750		Reducere CO2	55%	6
	Sistem solar	75		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	202		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	74				
	Captare CO2	28	2030-2050			
	Total 2030	2101				
	Total 2050	2128				
CT 22 Manastur	Retele	2375		Reducere CO2	55%	5
	Sistem solar	65		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	173		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	64				
	Captare CO2	24	2030-2050			
	Total 2030	2677				
	Total 2050	2701				
CT 26 Manastur	Retele	2750		Reducere CO2	55%	5
	Sistem solar	60		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	163		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	60				
	Captare CO2	23	2030-2050			
	Total 2030	3034				
	Total 2050	3056				
CT 10 Marasti	Retele	1375		Reducere CO2	55%	5
	Sistem solar	60		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	154		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	58				
	Captare CO2	22	2030-2050			
	Total 2030	1647				
	Total 2050	1669				
CT 6 Zorilor	Retele	1750		Reducere CO2	56%	4
	Sistem solar	55		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	144		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	52				
	Captare CO2	19	2030-2050			
	Total 2030	2001				
	Total 2050	2020				

CT 23 Manastur	Retele	1750		Reducere CO2	55%	4
	Sistem solar	50		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	134		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	50				
	Captare CO2	19	2030-2050			
	Total 2030	1984				
	Total 2050	2003				
CT 1 Zorilor	Retele	1250		Reducere CO2	55%	4
	Sistem solar	50		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	125		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	47				
	Captare CO2	18	2030-2050			
	Total 2030	1472				
	Total 2050	1489				
CT Cuza Voda	Retele	750		Reducere CO2	56%	2
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	96		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	33				
	Captare CO2	12	2030-2050			
	Total 2030	879				
	Total 2050	892				
CT Abator	Retele	875		Reducere CO2	57%	2
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	60%	
	PC aer-aer	86		Pondere SRE+Cg	60%	
	Cogeneare	0				
	Cazane	29				
	Captare CO2	10	2030-2050			
	Total 2030	990				
	Total 2050	1001				
CT Gruia	Retele	1250		Reducere CO2	55%	2
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	57%	
	PC aer-aer	72		Pondere SRE+Cg	57%	
	Cogeneare	0				
	Cazane	26				
	Captare CO2	10	2030-2050			
	Total 2030	1348				
	Total 2050	1358				

CT 7 Grigorescu	Retele	1750		Reducere CO2	56%	2
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	72		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	25				
	Captare CO2	9	2030-2050			
	Total 2030	1847				
	Total 2050	1856				
CT 9 Manastur	Retele	3000		Reducere CO2	57%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	60%	
	PC aer-aer	72		Pondere SRE+Cg	60%	
	Cogeneare	0				
	Cazane	24				
	Captare CO2	9	2030-2050			
	Total 2030	3096				
	Total 2050	3105				
CT Craiova	Retele	375		Reducere CO2	57%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	61%	
	PC aer-aer	72		Pondere SRE+Cg	61%	
	Cogeneare	0				
	Cazane	23				
	Captare CO2	8	2030-2050			
	Total 2030	470				
	Total 2050	479				
CT 15 Gheorgheni	Retele	1125		Reducere CO2	56%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	48		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	17				
	Captare CO2	6	2030-2050			
	Total 2030	1190				
	Total 2050	1196				
CT Caragiale	Retele	250		Reducere CO2	56%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	60%	
	PC aer-aer	48		Pondere SRE+Cg	60%	
	Cogeneare	0				
	Cazane	16				
	Captare CO2	6	2030-2050			
	Total 2030	314				
	Total 2050	320				

CT Cipariu	Retele	1000		Reducere CO2	57%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	61%	
	PC aer-aer	48		Pondere SRE+Cg	61%	
	Cogeneare	0				
	Cazane	16				
	Captare CO2	6	2030-2050			
	Total 2030	1064				
	Total 2050	1069				
CT 2 Pata	Retele	4625		Reducere CO2	57%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	61%	
	PC aer-aer	38		Pondere SRE+Cg	61%	
	Cogeneare	0				
	Cazane	13				
	Captare CO2	4	2030-2050			
	Total 2030	4676				
	Total 2050	4680				
CT 6 Grigorescu	Retele	1625		Reducere CO2	55%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	29		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	10				
	Captare CO2	4	2030-2050			
	Total 2030	1664				
	Total 2050	1668				
CT 8 Grigorescu	Retele	875		Reducere CO2	55%	1
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	58%	
	PC aer-aer	29		Pondere SRE+Cg	58%	
	Cogeneare	0				
	Cazane	10				
	Captare CO2	4	2030-2050			
	Total 2030	914				
	Total 2050	918				
CT 27 Manastur	Retele	2000		Reducere CO2	60%	0
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	65%	
	PC aer-aer	19		Pondere SRE+Cg	65%	
	Cogeneare	0				
	Cazane	6				
	Captare CO2	2	2030-2050			
	Total 2030	2025				
	Total 2050	2027				

CT 18 Manastur	Retele	1125		Reducere CO2	56%	0
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	11		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	4				
	Captare CO2	1	2030-2050			
	Total 2030	1139				
	Total 2050	1141				
CT > 200 ap	Retele	45375		Reducere CO2	55%	313
	Sistem solar	2852		Reducere Cost	10%	
	PC apa-apa	96				
	PC aer-aer	7546				
	Cogeneare	398				
	Cazane	2737				
	Captare CO2	1040				
	Total 2030	59003				
	Total 2050	60043				
CT < 200 ap	Retele	35375		Reducere CO2	56%	56
	Sistem solar	492		Reducere Cost	7%	
	PC apa-apa	0				
	PC aer-aer	2046				
	Cogeneare	0				
	Cazane	731				
	Captare CO2	272				
	Total 2030	38644				
	Total 2050	38916				
CTC	Retele	80750		Reducere CO2	55%	370
	Sistem solar	3344		Reducere Cost	10%	
	PC apa-apa	96				
	PC aer-aer	9591				
	Cogeneare	398				
	Cazane	3468				
	Captare CO2	1312				
	Total 2030	97647				
	Total 2050	98959				

Centralizator emisii si costuri A55

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CT 13 Gheorgheni	2511	1125	347	281
CT 4 Gheorgheni	2304	1037	318	255
CT Plopilor	2040	910	282	260
CT 1 Manastur	1259	562	174	160
CT 7 Manastur	1201	536	166	153
CT Muncii	1197	534	165	153
CT Govora	1178	527	163	150
CT 2 Zorilor	1113	496	154	142
CT 6 Manastur	946	421	131	121
CT 24 Manastur	942	426	130	120
CT 1 Grigorescu	939	424	130	120
CT 11 Manastur	904	406	125	115
CT 14 Gheorgheni	897	402	124	114
CT 5 Zorilor	852	384	118	109
CT Taberei	823	371	114	105
CT 11 Grigorescu	768	347	106	98
CT M Viteazu	749	340	103	95
CT 15 AVS	736	331	102	94
CT Gr Manastur	726	324	100	93
CT 3 Grigorescu	610	271	84	78
CT 7 Zorilor	587	262	81	75
CT 22 Manastur	507	227	70	65
CT 26 Manastur	481	216	66	61
CT 10 Marasti	461	210	64	59
CT 6 Zorilor	413	183	57	53
CT 23 Manastur	397	179	55	51
CT 1 Zorilor	371	168	51	47
CT Cuza Voda	265	117	37	34
CT Abator	229	99	32	30
CT Gruia	207	94	29	27
CT 7 Grigorescu	197	87	27	26
CT 9 Manastur	190	82	26	25
CT Craiova	187	80	26	24
CT 15 Gheorgheni	132	59	18	17
CT Caragiale	129	56	18	17
CT Cipariu	126	54	17	16
CT 2 Pata	100	43	14	13
CT 6 Grigorescu	81	36	11	11
CT 8 Grigorescu	81	36	11	11
CT 27 Manastur	45	18	6	6
CT 18 Manastur	29	13	4	4
Total	27909	12497	3856	3487
Total >200	22084	9906	3051	2739
Total <200	5825	2591	805	749
Pondere reducere emisii CO2		55%		10%
Pondere reducere CO2 >200		55%		10%
Pondere reducere CO2 <200		56%		7%
Reducere cost anual energie				369
Reducere cost anual >200				313
Reducere cost anual <200				56

Centralizator sintetic M55

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CT >200 ap	Retele	45375	2030-2050	Reducere CO2	55%	453
	Sistem solar	2852		Reducere Cost	12%	
	PC apa-apa	96				
	PC aer-aer	7949				
	Cogeneare	398				
	Cazane	3190				
	Captare CO2	1276				
	Total 2030	59859				
Total 2050	61135					
CT <200 ap	Retele	33125	2030-2050	Reducere CO2	55%	90
	Sistem solar	492		Reducere Cost	9%	
	PC apa-apa	0				
	PC aer-aer	2127				
	Cogeneare	0				
	Cazane	836				
	Captare CO2	328				
	Total 2030	36581				
Total 2050	36909					

Centralizator investiții și efecte economice M55

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
CT 13 Gheorgheni	Retele	1375	2022-2025	Reducere CO2	55%	82
	Sistem solar	326		Reducere Cost	20%	
	PC apa-apa	48		Pondere SRE	58%	
	PC aer-aer	912		Pondere SRE+Cg	63%	
	Cogeneare	199				
	Cazane	344				
	Captare CO2	141	2030-2050			
	Total 2030	3204				
Total 2050	3345					
CT 4 Gheorgheni	Retele	2125	2022-2025	Reducere CO2	55%	89
	Sistem solar	296		Reducere Cost	20%	
	PC apa-apa	48		Pondere SRE	56%	
	PC aer-aer	912		Pondere SRE+Cg	60%	
	Cogeneare	199				
	Cazane	366				
	Captare CO2	155	2030-2050			
	Total 2030	3946				
Total 2050	4101					
CT Plopilor	Retele	3625	2022-2025	Reducere CO2	55%	34
	Sistem solar	271		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	710		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	293				
	Captare CO2	117	2030-2050			
	Total 2030	4899				
Total 2050	5016					
CT 1 Manastur	Retele	2250	2022-2025	Reducere CO2	55%	21
	Sistem solar	166		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	442		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	181				
	Captare CO2	72	2030-2050			
	Total 2030	3038				
Total 2050	3110					
CT 7 Manastur	Retele	1625	2022-2025	Reducere CO2	55%	20
	Sistem solar	151		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	432		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	172				
	Captare CO2	68	2030-2050			
	Total 2030	2380				
Total 2050	2448					

CT Muncii	Retele	1625	2022-2025	Reducere CO2	55%	20
	Sistem solar	151		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	432		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	172				
	Captare CO2	67	2030-2050			
	Total 2030	2380				
	Total 2050	2447				
CT Govora	Retele	1875	2022-2025	Reducere CO2	55%	19
	Sistem solar	151		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	422		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	169				
	Captare CO2	66	2030-2050			
	Total 2030	2617				
	Total 2050	2684				
CT 2 Zorilor	Retele	3625	2022-2025	Reducere CO2	55%	18
	Sistem solar	140		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	403		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	160				
	Captare CO2	62	2030-2050			
	Total 2030	4328				
	Total 2050	4391				
CT 6 Manastur	Retele	2375	2022-2025	Reducere CO2	55%	15
	Sistem solar	120		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	336		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	136				
	Captare CO2	54	2030-2050			
	Total 2030	2967				
	Total 2050	3021				
CT 24 Manastur	Retele	2375	2022-2025	Reducere CO2	55%	15
	Sistem solar	120		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	336		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	135				
	Captare CO2	53	2030-2050			
	Total 2030	2967				
	Total 2050	3020				

CT 1 Grigorescu	Retele	2375	2022-2025	Reducere CO2	55%	15
	Sistem solar	120		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	326		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	135				
	Captare CO2	54	2030-2050			
	Total 2030	2957				
	Total 2050	3010				
CT 11 Manastur	Retele	2000	2022-2025	Reducere CO2	55%	15
	Sistem solar	116		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	317		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	130				
	Captare CO2	52	2030-2050			
	Total 2030	2562				
	Total 2050	2614				
CT 14 Gheorgheni	Retele	2125	2022-2025	Reducere CO2	55%	15
	Sistem solar	116		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	317		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	129				
	Captare CO2	51	2030-2050			
	Total 2030	2686				
	Total 2050	2737				
CT 5 Zorilor	Retele	3375	2022-2025	Reducere CO2	55%	14
	Sistem solar	110		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	307		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	122				
	Captare CO2	48	2030-2050			
	Total 2030	3915				
	Total 2050	3963				
CT Taberei	Retele	2250	2022-2025	Reducere CO2	55%	13
	Sistem solar	106		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	288		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	118				
	Captare CO2	47	2030-2050			
	Total 2030	2762				
	Total 2050	2809				

CT 11 Grigorescu	Retele	3250	2022-2025	Reducere CO2	55%	13
	Sistem solar	100		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	269		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	110				
	Captare CO2	44	2030-2050			
	Total 2030	3729				
	Total 2050	3773				
CT M Viteazu	Retele	875	2022-2025	Reducere CO2	55%	12
	Sistem solar	100		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	269		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	108				
	Captare CO2	42	2030-2050			
	Total 2030	1352				
	Total 2050	1394				
CT 15 AVS	Retele	4625	2022-2025	Reducere CO2	55%	12
	Sistem solar	95		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	259		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	106				
	Captare CO2	42	2030-2050			
	Total 2030	5085				
	Total 2050	5127				
CT Gr Manastur	Retele	1625	2022-2025	Reducere CO2	55%	12
	Sistem solar	95		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	259		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	104				
	Captare CO2	41	2030-2050			
	Total 2030	2084				
	Total 2050	2125				

CT 3 Grigorescu	Retele	1750	2028-2030	Reducere CO2	55%	10
	Sistem solar	75		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	221		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	88				
	Captare CO2	34	2030-2050			
	Total 2030	2134				
	Total 2050	2168				
CT 7 Zorilor	Retele	1750	2028-2030	Reducere CO2	55%	10
	Sistem solar	75		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	211		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	84				
	Captare CO2	33	2030-2050			
	Total 2030	2121				
	Total 2050	2154				
CT 22 Manastur	Retele	2375	2028-2030	Reducere CO2	55%	8
	Sistem solar	65		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	182		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	73				
	Captare CO2	29	2030-2050			
	Total 2030	2696				
	Total 2050	2724				
CT 26 Manastur	Retele	2750	2028-2030	Reducere CO2	55%	8
	Sistem solar	60		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	173		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	69				
	Captare CO2	27	2030-2050			
	Total 2030	3052				
	Total 2050	3079				
CT 10 Marasti	Retele	1375	2028-2030	Reducere CO2	55%	8
	Sistem solar	60		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	163		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	66				
	Captare CO2	26	2030-2050			
	Total 2030	1665				
	Total 2050	1691				
CT 6 Zorilor	Retele	1750	2028-2030	Reducere CO2	55%	7
	Sistem solar	55		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	144		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	59				
	Captare CO2	24	2030-2050			
	Total 2030	2009				
	Total 2050	2032				

CT 23 Manastur	Retele	1750	2028-2030	Reducere CO2	55%	6
	Sistem solar	50		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	144		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	57				
	Captare CO2	22	2030-2050			
	Total 2030	2001				
	Total 2050	2023				
CT 1 Zorilor	Retele	1250	2028-2030	Reducere CO2	56%	6
	Sistem solar	50		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	134		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	53				
	Captare CO2	21	2030-2050			
	Total 2030	1488				
	Total 2050	1509				
CT Cuza Voda	Retele	750	2028-2030	Reducere CO2	55%	4
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	96		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	38				
	Captare CO2	15	2030-2050			
	Total 2030	884				
	Total 2050	899				
CT Abator	Retele	875	2028-2030	Reducere CO2	55%	3
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	56%	
	PC aer-aer	86		Pondere SRE+Cg	56%	
	Cogeneare	0				
	Cazane	33				
	Captare CO2	13	2030-2050			
	Total 2030	994				
	Total 2050	1007				
CT Gruia	Retele	1250	2028-2030	Reducere CO2	55%	3
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	77		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	30				
	Captare CO2	12	2030-2050			
	Total 2030	1356				
	Total 2050	1368				

CT 7 Grigorescu	Retele	1750	2028-2030	Reducere CO2	55%	3
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	72		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	28				
	Captare CO2	11	2030-2050			
	Total 2030	1850				
	Total 2050	1862				
CT 9 Manastur	Retele	750	2028-2030	Reducere CO2	56%	3
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	56%	
	PC aer-aer	72		Pondere SRE+Cg	56%	
	Cogeneare	0				
	Cazane	27				
	Captare CO2	11	2030-2050			
	Total 2030	849				
	Total 2050	860				
CT Craiova	Retele	375	2028-2030	Reducere CO2	56%	3
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	56%	
	PC aer-aer	72		Pondere SRE+Cg	56%	
	Cogeneare	0				
	Cazane	27				
	Captare CO2	10	2030-2050			
	Total 2030	474				
	Total 2050	484				
CT 15 Gheorgheni	Retele	1125	2028-2030	Reducere CO2	55%	2
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	48		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	19				
	Captare CO2	8	2030-2050			
	Total 2030	1192				
	Total 2050	1200				
CT Caragiale	Retele	250	2028-2030	Reducere CO2	55%	2
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	48		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	19				
	Captare CO2	7	2030-2050			
	Total 2030	317				
	Total 2050	324				

CT Cipariu	Retele	1000	2028-2030	Reducere CO2	56%	2
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	56%	
	PC aer-aer	48		Pondere SRE+Cg	56%	
	Cogeneare	0				
	Cazane	18				
	Captare CO2	7	2030-2050			
	Total 2030	1066				
	Total 2050	1073				
CT 2 Pata	Retele	4625	2028-2030	Reducere CO2	56%	1
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	56%	
	PC aer-aer	38		Pondere SRE+Cg	56%	
	Cogeneare	0				
	Cazane	14				
	Captare CO2	6	2030-2050			
	Total 2030	4678				
	Total 2050	4683				
CT 6 Grigorescu	Retele	1625	2028-2030	Reducere CO2	58%	1
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	34		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	12				
	Captare CO2	4	2030-2050			
	Total 2030	1670				
	Total 2050	1674				
CT 8 Grigorescu	Retele	875	2028-2030	Reducere CO2	58%	1
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	34		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	12				
	Captare CO2	4	2030-2050			
	Total 2030	920				
	Total 2050	924				
CT 27 Manastur	Retele	2000	2028-2030	Reducere CO2	58%	1
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	60%	
	PC aer-aer	19		Pondere SRE+Cg	60%	
	Cogeneare	0				
	Cazane	6				
	Captare CO2	2	2030-2050			
	Total 2030	2026				
	Total 2050	2028				

CT 18 Manastur	Retele	1125	2028-2030	Reducere CO2	55%	0
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	11		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	4				
	Captare CO2	2	2030-2050			
	Total 2030	1140				
	Total 2050	1141				
CT > 200 ap	Retele	45375		Reducere CO2	55%	453
	Sistem solar	2852		Reducere Cost	12%	
	PC apa-apa	96				
	PC aer-aer	7949				
	Cogeneare	398				
	Cazane	3190				
	Captare CO2	1276				
	Total 2030	59859				
	Total 2050	61135				
CT < 200 ap	Retele	33125		Reducere CO2	55%	90
	Sistem solar	492		Reducere Cost	9%	
	PC apa-apa	0				
	PC aer-aer	2127				
	Cogeneare	0				
	Cazane	836				
	Captare CO2	328				
	Total 2030	36581				
	Total 2050	36909				
CTC	Retele	78500		Reducere CO2	55%	543
	Sistem solar	3344		Reducere Cost	12%	
	PC apa-apa	96				
	PC aer-aer	10076				
	Cogeneare	398				
	Cazane	4026				
	Captare CO2	1604				
	Total 2030	96440				
	Total 2050	98044				

Centralizator emisii si costuri M55

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CT 13 Gheorgheni	3013	1345	416	334
CT 4 Gheorgheni	3253	1476	449	361
CT Plopilor	2448	1111	338	305
CT 1 Manastur	1510	684	209	188
CT 7 Manastur	1441	644	199	179
CT Muncii	1437	641	199	179
CT Govora	1414	633	195	176
CT 2 Zorilor	1336	595	185	166
CT 6 Manastur	1135	511	157	141
CT 24 Manastur	1131	508	156	141
CT 1 Grigorescu	1127	513	156	140
CT 11 Manastur	1084	491	150	135
CT 14 Gheorgheni	1077	486	149	134
CT 5 Zorilor	1022	456	141	127
CT Taberei	988	448	136	123
CT 11 Grigorescu	922	418	127	115
CT M Viteazu	898	402	124	112
CT 15 AVS	883	399	122	110
CT Gr Manastur	871	391	120	108
CT 3 Grigorescu	732	326	101	91
CT 7 Zorilor	705	315	97	88
CT 22 Manastur	608	272	84	76
CT 26 Manastur	577	258	80	72
CT 10 Marasti	554	250	77	69
CT 6 Zorilor	496	225	68	62
CT 23 Manastur	476	212	66	59
CT 1 Zorilor	445	198	62	55
CT Cuza Voda	318	144	44	40
CT Abator	275	122	38	35
CT Gruia	248	111	34	31
CT 7 Grigorescu	236	107	33	30
CT 9 Manastur	228	102	32	29
CT Craiova	225	99	31	28
CT 15 Gheorgheni	159	72	22	20
CT Caragiale	155	70	21	20
CT Cipariu	151	67	21	19
CT 2 Pata	120	53	17	15
CT 6 Grigorescu	97	41	13	12
CT 8 Grigorescu	97	41	13	12
CT 27 Manastur	54	23	7	7
CT 18 Manastur	35	16	5	4
Total	33979	15273	4695	4151
Total >200	26989	12150	3729	3275
Total <200	6990	3123	966	876
Pondere reducere emisii CO2		55%		12%
Pondere reducere CO2 >200		55%		12%
Pondere reducere CO2 <200		55%		9%
Reducere cost annual energie				543
Reducere cost annual >200				453
Reducere cost annual <200				90

Centralizator sintetic I55

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CT >200 ap	Retele	45375	2030-2050	Reducere CO2	55%	933
	Sistem solar	2852		Reducere Cost	11%	
	PC apa-apa	96				
	PC aer-aer	18384				
	Cogenerate	398				
	Cazane	7462				
	Captare CO2	3005				
	Total 2030	74567				
Total 2050	77571					
CT <200 ap	Retele	35375	2030-2050	Reducere CO2	55%	492
	Sistem solar	492		Reducere Cost	9%	
	PC apa-apa	0				
	PC aer-aer	11294				
	Cogenerate	0				
	Cazane	4599				
	Captare CO2	1858				
	Total 2030	51760				
Total 2050	53619					

Centralizator investiții și efecte economice I55

Contur	Tehnologii	Valoare investitii mii €	Etapă	Efect tehnic	Valoare	Reducere cost annual energie mii €
CT 13 Gheorgheni	Retele	1375	2022-2025	Reducere CO2	55%	97
	Sistem solar	326		Reducere Cost	18%	
	PC apa-apa	48		Pondere SRE	56%	
	PC aer-aer	1104		Pondere SRE+Cg	60%	
	Cogeneare	199				
	Cazane	438				
	Captare CO2	182	2030-2050			
	Total 2030	3490				
Total 2050	3672					
CT 4 Gheorgheni	Retele	2125	2022-2025	Reducere CO2	55%	89
	Sistem solar	296		Reducere Cost	20%	
	PC apa-apa	48		Pondere SRE	56%	
	PC aer-aer	912		Pondere SRE+Cg	60%	
	Cogeneare	199				
	Cazane	366				
	Captare CO2	155	2030-2050			
	Total 2030	3946				
Total 2050	4101					
CT Plopilor	Retele	3625	2022-2025	Reducere CO2	55%	62
	Sistem solar	271		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	1296		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	532				
	Captare CO2	213	2030-2050			
	Total 2030	5724				
Total 2050	5937					
CT 1 Manastur	Retele	2250	2022-2025	Reducere CO2	55%	55
	Sistem solar	166		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	1200		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	491				
	Captare CO2	197	2030-2050			
	Total 2030	4107				
Total 2050	4304					
CT 7 Manastur	Retele	1625	2022-2025	Reducere CO2	55%	32
	Sistem solar	151		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	672		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	272				
	Captare CO2	108	2030-2050			
	Total 2030	2720				
Total 2050	2828					

CT Muncii	Retele	1625	2022-2025	Reducere CO2	55%	29
	Sistem solar	151		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	595		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	245				
	Captare CO2	98	2030-2050			
	Total 2030	2616				
	Total 2050	2714				
CT Govora	Retele	1875	2022-2025	Reducere CO2	55%	45
	Sistem solar	151		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	960		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	393				
	Captare CO2	158	2030-2050			
	Total 2030	3379				
	Total 2050	3536				
CT 2 Zorilor	Retele	3625	2022-2025	Reducere CO2	55%	46
	Sistem solar	140		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	1008		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	408				
	Captare CO2	163	2030-2050			
	Total 2030	5181				
	Total 2050	5345				
CT 6 Manastur	Retele	2375	2022-2025	Reducere CO2	55%	44
	Sistem solar	120		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	960		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	393				
	Captare CO2	158	2030-2050			
	Total 2030	3848				
	Total 2050	4006				
CT 24 Manastur	Retele	2375	2022-2025	Reducere CO2	55%	66
	Sistem solar	120		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	1488		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	600				
	Captare CO2	240	2030-2050			
	Total 2030	4583				
	Total 2050	4823				

CT 1 Grigorescu	Retele	2375	2022-2025	Reducere CO2	55%	35
	Sistem solar	120		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	749		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	303				
	Captare CO2	121	2030-2050			
	Total 2030	3547				
	Total 2050	3668				
CT 11 Manastur	Retele	2000	2022-2025	Reducere CO2	55%	44
	Sistem solar	116		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	1104		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	437				
	Captare CO2	173	2030-2050			
	Total 2030	3657				
	Total 2050	3830				
CT 14 Gheorgheni	Retele	2125	2022-2025	Reducere CO2	55%	37
	Sistem solar	116		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	816		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	328				
	Captare CO2	130	2030-2050			
	Total 2030	3384				
	Total 2050	3514				
CT 5 Zorilor	Retele	3375	2022-2025	Reducere CO2	55%	48
	Sistem solar	110		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	1056		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	429				
	Captare CO2	172	2030-2050			
	Total 2030	4970				
	Total 2050	5142				
CT Taberei	Retele	2250	2022-2025	Reducere CO2	55%	34
	Sistem solar	106		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	730		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	296				
	Captare CO2	119	2030-2050			
	Total 2030	3382				
	Total 2050	3500				

CT 11 Grigorescu	Retele	3250	2022-2025	Reducere CO2	55%	65
	Sistem solar	100		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	1440		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	592				
	Captare CO2	239	2030-2050			
	Total 2030	5382				
	Total 2050	5621				
CT M Viteazu	Retele	875	2022-2025	Reducere CO2	55%	17
	Sistem solar	100		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	346		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	144				
	Captare CO2	58	2030-2050			
	Total 2030	1465				
	Total 2050	1524				
CT 15 AVS	Retele	4625	2022-2025	Reducere CO2	55%	66
	Sistem solar	95		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	1488		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	603				
	Captare CO2	242	2030-2050			
	Total 2030	6812				
	Total 2050	7054				
CT Gr Manastur	Retele	1625	2022-2025	Reducere CO2	55%	22
	Sistem solar	95		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	461		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	193				
	Captare CO2	78	2030-2050			
	Total 2030	2374				
	Total 2050	2452				

CT 3 Grigorescu	Retele	1750	2028-2030	Reducere CO2	55%	27
	Sistem solar	75		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	576		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	240				
	Captare CO2	97	2030-2050			
	Total 2030	2641				
	Total 2050	2738				
CT 7 Zorilor	Retele	1750	2028-2030	Reducere CO2	55%	31
	Sistem solar	75		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	701		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	282				
	Captare CO2	112	2030-2050			
	Total 2030	2808				
	Total 2050	2921				
CT 22 Manastur	Retele	2375	2028-2030	Reducere CO2	55%	41
	Sistem solar	65		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	912		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	371				
	Captare CO2	149	2030-2050			
	Total 2030	3724				
	Total 2050	3873				
CT 26 Manastur	Retele	2750	2028-2030	Reducere CO2	55%	43
	Sistem solar	60		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	960		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	393				
	Captare CO2	159	2030-2050			
	Total 2030	4163				
	Total 2050	4322				
CT 10 Marasti	Retele	1375	2028-2030	Reducere CO2	55%	34
	Sistem solar	60		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	768		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	308				
	Captare CO2	123	2030-2050			
	Total 2030	2511				
	Total 2050	2634				
CT 6 Zorilor	Retele	1750	2028-2030	Reducere CO2	55%	34
	Sistem solar	55		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	768		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	316				
	Captare CO2	128	2030-2050			
	Total 2030	2889				
	Total 2050	3017				

CT 23 Manastur	Retele	1750	2028-2030	Reducere CO2	55%	36
	Sistem solar	50		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	816		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	327				
	Captare CO2	130	2030-2050			
	Total 2030	2943				
	Total 2050	3073				
CT1 Zorilor	Retele	1250	2028-2030	Reducere CO2	56%	15
	Sistem solar	50		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	336		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	132				
	Captare CO2	52	2030-2050			
	Total 2030	1768				
	Total 2050	1820				
CT Cuza Voda	Retele	750	2028-2030	Reducere CO2	55%	7
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	163		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	65				
	Captare CO2	26	2030-2050			
	Total 2030	979				
	Total 2050	1005				
CT Abator	Retele	875	2028-2030	Reducere CO2	55%	12
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	288		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	114				
	Captare CO2	45	2030-2050			
	Total 2030	1277				
	Total 2050	1322				
CT Gruia	Retele	1250	2028-2030	Reducere CO2	55%	12
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	288		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	115				
	Captare CO2	46	2030-2050			
	Total 2030	1653				
	Total 2050	1699				

CT 7 Grigorescu	Retele	1750	2028-2030	Reducere CO2	55%	39
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	912		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	369				
	Captare CO2	149	2030-2050			
	Total 2030	3031				
	Total 2050	3180				
CT 9 Manastur	Retele	3000	2028-2030	Reducere CO2	55%	38
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	912		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	361				
	Captare CO2	144	2030-2050			
	Total 2030	4273				
	Total 2050	4416				
CT Craiova	Retele	375	2028-2030	Reducere CO2	55%	7
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	163		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	66				
	Captare CO2	26	2030-2050			
	Total 2030	604				
	Total 2050	630				
CT 15 Gheorgheni	Retele	1125	2028-2030	Reducere CO2	55%	11
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	269		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	106				
	Captare CO2	42	2030-2050			
	Total 2030	1500				
	Total 2050	1543				
CT Caragiale	Retele	250	2028-2030	Reducere CO2	55%	8
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	221		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	85				
	Captare CO2	33	2030-2050			
	Total 2030	556				
	Total 2050	589				

CT Cipariu	Retele	1000	2028-2030	Reducere CO2	55%	12
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	288		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	116				
	Captare CO2	46	2030-2050			
	Total 2030	1404				
	Total 2050	1450				
CT 2 Pata	Retele	4625	2028-2030	Reducere CO2	56%	12
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	288		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	112				
	Captare CO2	44	2030-2050			
	Total 2030	5025				
	Total 2050	5069				
CT 6 Grigorescu	Retele	1625	2028-2030	Reducere CO2	55%	39
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	912		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	366				
	Captare CO2	147	2030-2050			
	Total 2030	2903				
	Total 2050	3050				
CT 8 Grigorescu	Retele	875	2028-2030	Reducere CO2	58%	1
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	59%	
	PC aer-aer	34		Pondere SRE+Cg	59%	
	Cogeneare	0				
	Cazane	12				
	Captare CO2	4	2030-2050			
	Total 2030	920				
	Total 2050	924				
CT 27 Manastur	Retele	2000	2028-2030	Reducere CO2	56%	27
	Sistem solar	0		Reducere Cost	9%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	672		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	260				
	Captare CO2	102	2030-2050			
	Total 2030	2932				
	Total 2050	3034				
CT 18 Manastur	Retele	1125	2028-2030	Reducere CO2	31%	6
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	20%	
	PC aer-aer	48		Pondere SRE+Cg	20%	
	Cogeneare	0				
	Cazane	84				
	Captare CO2	51	2030-2050			
	Total 2030	1257				
	Total 2050	1308				

CT > 200 ap	Retele	45375		Reducere CO2	55%	933
	Sistem solar	2852		Reducere Cost	11%	
	PC apa-apa	96				
	PC aer-aer	18384				
	Cogeneare	398				
	Cazane	7462				
	Captare CO2	3005				
	Total 2030	74567				
	Total 2050	77571				
CT < 200 ap	Retele	35375		Reducere CO2	55%	492
	Sistem solar	492		Reducere Cost	9%	
	PC apa-apa	0				
	PC aer-aer	11294				
	Cogeneare	0				
	Cazane	4599				
	Captare CO2	1858				
	Total 2030	51760				
	Total 2050	53619				
CTC	Retele	80750		Reducere CO2	55%	1425
	Sistem solar	3344		Reducere Cost	10%	
	PC apa-apa	96				
	PC aer-aer	29678				
	Cogeneare	398				
	Cazane	12060				
	Captare CO2	4863				
	Total 2030	126327				
	Total 2050	131190				

Centralizator emisii si costuri I55

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CT 13 Gheorgheni	3860	1735	533	437
CT 4 Gheorgheni	3253	1476	449	361
CT Plopilor	4518	2030	624	562
CT 1 Manastur	4170	1878	576	521
CT 7 Manastur	2311	1030	319	287
CT Muncii	2078	932	287	258
CT Govora	3337	1502	461	416
CT 2 Zorilor	3466	1553	479	433
CT 6 Manastur	3337	1505	461	417
CT 24 Manastur	5096	2286	704	638
CT 1 Grigorescu	2572	1150	355	321
CT 11 Manastur	3653	1650	505	461
CT 14 Gheorgheni	2782	1240	384	347
CT 5 Zorilor	3640	1637	503	455
CT Taberei	2517	1130	348	314
CT 11 Grigorescu	5025	2278	694	630
CT M Viteazu	1226	554	169	152
CT 15 AVS	5125	2309	708	642
CT Gr Manastur	1639	745	227	204
CT 3 Grigorescu	2036	926	281	254
CT 7 Zorilor	2395	1071	331	299
CT 22 Manastur	3153	1422	436	395
CT 26 Manastur	3340	1513	461	419
CT 10 Marasti	2614	1169	361	327
CT 6 Zorilor	2682	1216	371	336
CT 23 Manastur	2775	1242	383	348
CT1 Zorilor	1123	495	155	140
CT Cuza Voda	555	249	77	70
CT Abator	968	433	134	122
CT Gruia	978	439	135	123
CT 7 Grigorescu	3137	1418	433	395
CT 9 Manastur	3063	1367	423	385
CT Craiova	558	252	77	70
CT 15 Gheorgheni	904	404	125	114
CT Caragiale	710	318	98	90
CT Cipariu	981	441	136	123
CT 2 Pata	949	419	131	119
CT 6 Grigorescu	3111	1400	430	391
CT 8 Grigorescu	97	41	13	12
CT 27 Manastur	2207	974	305	278
CT 18 Manastur	710	488	98	92
Total	102652	46317	14183	12758
Total >200	63606	28618	8788	7855
Total <200	39047	17699	5395	4903
Pondere reducere emisii CO2		55%		10%
Pondere reducere CO2 >200		55%		11%
Pondere reducere CO2 <200		55%		9%
Reducere cost anual energie				1425
Reducere cost anual >200				933
Reducere cost anual <200				492

Centralizator sintetic A30

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CT >200 ap	Retele	45375	2030-2050	Reducere CO2	32%	271
	Sistem solar	2852		Reducere Cost	9%	
	PC apa-apa	0				
	PC aer-aer	1978				
	Cogenerate	398				
	Cazane	2748				
	Captare CO2	1571				
	Total 2030	53351				
Total 2050	54921					
CT <200 ap	Retele	35375	2030-2050	Reducere CO2	34%	46
	Sistem solar	492		Reducere Cost	6%	
	PC apa-apa	0				
	PC aer-aer	629				
	Cogenerate	0				
	Cazane	731				
	Captare CO2	403				
	Total 2030	37227				
Total 2050	37630					

Centralizator investiții și efecte economice A30

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CT 13 Gheorgheni	Retele	1375	2022-2025	Reducere CO2	30%	62
	Sistem solar	326		Reducere Cost	18%	
	PC apa-apa	0		Pondere SRE	27%	
	PC aer-aer	230		Pondere SRE+Cg	35%	
	Cogeneare	199				
	Cazane	304				
	Captare CO2	184	2030-2050			
	Total 2030	2434				
Total 2050	2618					
CT 4 Gheorgheni	Retele	2125	2022-2025	Reducere CO2	30%	57
	Sistem solar	296		Reducere Cost	18%	
	PC apa-apa	0		Pondere SRE	27%	
	PC aer-aer	211		Pondere SRE+Cg	35%	
	Cogeneare	199				
	Cazane	278				
	Captare CO2	170	2030-2050			
	Total 2030	3109				
Total 2050	3279					
CT Plopilor	Retele	3625	2022-2025	Reducere CO2	31%	17
	Sistem solar	271		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	24%	
	PC aer-aer	144		Pondere SRE+Cg	24%	
	Cogeneare	0				
	Cazane	256				
	Captare CO2	148	2030-2050			
	Total 2030	4296				
Total 2050	4444					
CT 1 Manastur	Retele	2250	2022-2025	Reducere CO2	31%	11
	Sistem solar	166		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	25%	
	PC aer-aer	96		Pondere SRE+Cg	25%	
	Cogeneare	0				
	Cazane	158				
	Captare CO2	91	2030-2050			
	Total 2030	2670				
Total 2050	2760					
CT 7 Manastur	Retele	1625	2022-2025	Reducere CO2	32%	10
	Sistem solar	151		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	25%	
	PC aer-aer	96		Pondere SRE+Cg	25%	
	Cogeneare	0				
	Cazane	151				
	Captare CO2	86	2030-2050			
	Total 2030	2022				
Total 2050	2108					

CT Muncii	Retele	1625	2022-2025	Reducere CO2	32%	10
	Sistem solar	151		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	25%	
	PC aer-aer	96		Pondere SRE+Cg	25%	
	Cogeneare	0				
	Cazane	150				
	Captare CO2	86	2030-2050			
	Total 2030	2022				
	Total 2050	2108				
CT Govora	Retele	1875	2022-2025	Reducere CO2	32%	10
	Sistem solar	151		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	26%	
	PC aer-aer	96		Pondere SRE+Cg	26%	
	Cogeneare	0				
	Cazane	148				
	Captare CO2	84	2030-2050			
	Total 2030	2270				
	Total 2050	2354				
CT 2 Zorilor	Retele	3625	2022-2025	Reducere CO2	33%	10
	Sistem solar	140		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	26%	
	PC aer-aer	96		Pondere SRE+Cg	26%	
	Cogeneare	0				
	Cazane	140				
	Captare CO2	79	2030-2050			
	Total 2030	4001				
	Total 2050	4080				
CT 6 Manastur	Retele	2375	2022-2025	Reducere CO2	34%	9
	Sistem solar	120		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	96		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	119				
	Captare CO2	65	2030-2050			
	Total 2030	2710				
	Total 2050	2775				
CT 24 Manastur	Retele	2375	2022-2025	Reducere CO2	34%	9
	Sistem solar	120		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	96		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	118				
	Captare CO2	65	2030-2050			
	Total 2030	2710				
	Total 2050	2774				

CT 1 Grigorescu	Retele	2375	2022-2025	Reducere CO2	35%	9
	Sistem solar	120		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	96		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	118				
	Captare CO2	65	2030-2050			
	Total 2030	2709				
	Total 2050	2774				
CT 11 Manastur	Retele	2000	2022-2025	Reducere CO2	35%	8
	Sistem solar	116		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	30%	
	PC aer-aer	96		Pondere SRE+Cg	30%	
	Cogeneare	0				
	Cazane	113				
	Captare CO2	62	2030-2050			
	Total 2030	2325				
	Total 2050	2387				
CT 14 Gheorgheni	Retele	2125	2022-2025	Reducere CO2	35%	8
	Sistem solar	116		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	30%	
	PC aer-aer	96		Pondere SRE+Cg	30%	
	Cogeneare	0				
	Cazane	113				
	Captare CO2	61	2030-2050			
	Total 2030	2449				
	Total 2050	2510				
CT 5 Zorilor	Retele	3375	2022-2025	Reducere CO2	36%	8
	Sistem solar	110		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	31%	
	PC aer-aer	96		Pondere SRE+Cg	31%	
	Cogeneare	0				
	Cazane	107				
	Captare CO2	58	2030-2050			
	Total 2030	3688				
	Total 2050	3746				
CT Taberei	Retele	2250	2022-2025	Reducere CO2	36%	8
	Sistem solar	106		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	31%	
	PC aer-aer	96		Pondere SRE+Cg	31%	
	Cogeneare	0				
	Cazane	103				
	Captare CO2	55	2030-2050			
	Total 2030	2555				
	Total 2050	2610				

CT 11 Grigorescu	Retele	3250	2022-2025	Reducere CO2	37%	7
	Sistem solar	100		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	32%	
	PC aer-aer	96		Pondere SRE+Cg	32%	
	Cogeneare	0				
	Cazane	96				
	Captare CO2	51	2030-2050			
	Total 2030	3543				
	Total 2050	3594				
CT M Viteazu	Retele	875	2022-2025	Reducere CO2	30%	6
	Sistem solar	100		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	23%	
	PC aer-aer	48		Pondere SRE+Cg	23%	
	Cogeneare	0				
	Cazane	94				
	Captare CO2	55	2030-2050			
	Total 2030	1117				
	Total 2050	1173				
CT 15 AVS	Retele	4625	2022-2025	Reducere CO2	30%	6
	Sistem solar	95		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	23%	
	PC aer-aer	48		Pondere SRE+Cg	23%	
	Cogeneare	0				
	Cazane	92				
	Captare CO2	54	2030-2050			
	Total 2030	4861				
	Total 2050	4915				
CT Gr Manastur	Retele	1625	2022-2025	Reducere CO2	30%	6
	Sistem solar	95		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	23%	
	PC aer-aer	48		Pondere SRE+Cg	23%	
	Cogeneare	0				
	Cazane	91				
	Captare CO2	53	2030-2050			
	Total 2030	1859				
	Total 2050	1913				

CT 3 Grigorescu	Retele	1750	2028-2030	Reducere CO2	32%	5
	Sistem solar	75		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	25%	
	PC aer-aer	48		Pondere SRE+Cg	25%	
	Cogeneare	0				
	Cazane	77				
	Captare CO2	44	2030-2050			
	Total 2030	1950				
	Total 2050	1994				
CT 7 Zorilor	Retele	1750	2028-2030	Reducere CO2	32%	5
	Sistem solar	75		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	26%	
	PC aer-aer	48		Pondere SRE+Cg	26%	
	Cogeneare	0				
	Cazane	74				
	Captare CO2	42	2030-2050			
	Total 2030	1947				
	Total 2050	1989				
CT 22 Manastur	Retele	2375	2028-2030	Reducere CO2	34%	5
	Sistem solar	65		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	28%	
	PC aer-aer	48		Pondere SRE+Cg	28%	
	Cogeneare	0				
	Cazane	64				
	Captare CO2	35	2030-2050			
	Total 2030	2552				
	Total 2050	2587				
CT 26 Manastur	Retele	2750	2028-2030	Reducere CO2	34%	4
	Sistem solar	60		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	48		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	60				
	Captare CO2	33	2030-2050			
	Total 2030	2919				
	Total 2050	2952				
CT 10 Marasti	Retele	1375	2028-2030	Reducere CO2	35%	4
	Sistem solar	60		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	48		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	58				
	Captare CO2	32	2030-2050			
	Total 2030	1541				
	Total 2050	1573				
CT 6 Zorilor	Retele	1750	2028-2030	Reducere CO2	36%	4
	Sistem solar	55		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	31%	
	PC aer-aer	48		Pondere SRE+Cg	31%	
	Cogeneare	0				
	Cazane	52				
	Captare CO2	28	2030-2050			
	Total 2030	1905				
	Total 2050	1933				

CT 23 Manastur	Retele	1750	2028-2030	Reducere CO2	36%	4
	Sistem solar	50		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	32%	
	PC aer-aer	48		Pondere SRE+Cg	32%	
	Cogeneare	0				
	Cazane	50				
	Captare CO2	26	2030-2050			
	Total 2030	1898				
	Total 2050	1924				
CT 1 Zorilor	Retele	1250	2022-2025	Reducere CO2	37%	4
	Sistem solar	50		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	33%	
	PC aer-aer	48		Pondere SRE+Cg	33%	
	Cogeneare	0				
	Cazane	47				
	Captare CO2	24	2030-2050			
	Total 2030	1395				
	Total 2050	1419				
CT Cuza Voda	Retele	750	2028-2030	Reducere CO2	30%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	23%	
	PC aer-aer	24		Pondere SRE+Cg	23%	
	Cogeneare	0				
	Cazane	33				
	Captare CO2	19	2030-2050			
	Total 2030	807				
	Total 2050	827				
CT Abator	Retele	875	2028-2030	Reducere CO2	32%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	26%	
	PC aer-aer	24		Pondere SRE+Cg	26%	
	Cogeneare	0				
	Cazane	29				
	Captare CO2	16	2030-2050			
	Total 2030	928				
	Total 2050	944				
CT Gruia	Retele	1250	2028-2030	Reducere CO2	33%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	28%	
	PC aer-aer	24		Pondere SRE+Cg	28%	
	Cogeneare	0				
	Cazane	26				
	Captare CO2	14	2030-2050			
	Total 2030	1300				
	Total 2050	1314				

CT 7 Grigorescu	Retele	1750	2028-2030	Reducere CO2	34%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	24		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	25				
	Captare CO2	14	2030-2050			
	Total 2030	1799				
	Total 2050	1812				
CT 9 Manastur	Retele	3000	2028-2030	Reducere CO2	34%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	24		Pondere SRE+Cg	29%	
	Cogeneare	0				
	Cazane	24				
	Captare CO2	13	2030-2050			
	Total 2030	3048				
	Total 2050	3061				
CT Craiova	Retele	375	2028-2030	Reducere CO2	35%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	30%	
	PC aer-aer	24		Pondere SRE+Cg	30%	
	Cogeneare	0				
	Cazane	23				
	Captare CO2	13	2030-2050			
	Total 2030	422				
	Total 2050	435				
CT 15 Gheorgheni	Retele	1125	2028-2030	Reducere CO2	37%	1
	Sistem solar	0		Reducere Cost	5%	
	PC apa-apa	0		Pondere SRE	32%	
	PC aer-aer	19		Pondere SRE+Cg	32%	
	Cogeneare	0				
	Cazane	17				
	Captare CO2	9	2030-2050			
	Total 2030	1161				
	Total 2050	1170				
CT Caragiale	Retele	250	2028-2030	Reducere CO2	33%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	27%	
	PC aer-aer	14		Pondere SRE+Cg	27%	
	Cogeneare	0				
	Cazane	16				
	Captare CO2	9	2030-2050			
	Total 2030	281				
	Total 2050	290				

CT Cipariu	Retele	1000	2028-2030	Reducere CO2	33%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	27%	
	PC aer-aer	14		Pondere SRE+Cg	27%	
	Cogeneare	0				
	Cazane	16				
	Captare CO2	9	2030-2050			
	Total 2030	1030				
	Total 2050	1039				
CT 2 Pata	Retele	4625	2028-2030	Reducere CO2	37%	1
	Sistem solar	0		Reducere Cost	5%	
	PC apa-apa	0		Pondere SRE	32%	
	PC aer-aer	14		Pondere SRE+Cg	32%	
	Cogeneare	0				
	Cazane	13				
	Captare CO2	7	2030-2050			
	Total 2030	4652				
	Total 2050	4659				
CT 6 Grigorescu	Retele	1625	2028-2030	Reducere CO2	34%	0
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	28%	
	PC aer-aer	10		Pondere SRE+Cg	28%	
	Cogeneare	0				
	Cazane	10				
	Captare CO2	6	2030-2050			
	Total 2030	1645				
	Total 2050	1650				
CT 8 Grigorescu	Retele	875	2028-2030	Reducere CO2	34%	0
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	28%	
	PC aer-aer	10		Pondere SRE+Cg	28%	
	Cogeneare	0				
	Cazane	10				
	Captare CO2	6	2030-2050			
	Total 2030	895				
	Total 2050	900				
CT 27 Manastur	Retele	2000	2028-2030	Reducere CO2	43%	0
	Sistem solar	0		Reducere Cost	5%	
	PC apa-apa	0		Pondere SRE	42%	
	PC aer-aer	10		Pondere SRE+Cg	42%	
	Cogeneare	0				
	Cazane	6				
	Captare CO2	3	2030-2050			
	Total 2030	2015				
	Total 2050	2018				
CT 18 Manastur	Retele	1125	2028-2030	Reducere CO2	53%	0
	Sistem solar	0		Reducere Cost	6%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	10		Pondere SRE+Cg	55%	
	Cogeneare	0				
	Cazane	4				
	Captare CO2	1	2030-2050			
	Total 2030	1138				
	Total 2050	1140				

CT > 200 ap	Retele	45375		Reducere CO2	32%	271
	Sistem solar	2852		Reducere Cost	9%	
	PC apa-apa	0				
	PC aer-aer	1978				
	Cogeneare	398				
	Cazane	2748				
	Captare CO2	1571				
	Total 2030	53351				
	Total 2050	54921				
CT < 200 ap	Retele	35375		Reducere CO2	34%	46
	Sistem solar	492		Reducere Cost	6%	
	PC apa-apa	0				
	PC aer-aer	629				
	Cogeneare	0				
	Cazane	731				
	Captare CO2	403				
	Total 2030	37227				
	Total 2050	37630				
CTC	Retele	80750		Reducere CO2	33%	318
	Sistem solar	3344		Reducere Cost	8%	
	PC apa-apa	0				
	PC aer-aer	2606				
	Cogeneare	398				
	Cazane	3479				
	Captare CO2	1974				
	Total 2030	90578				
	Total 2050	92552				

Centralizator emisii si costuri A30

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CT 13 Gheorgheni	2511	1753	347	285
CT 4 Gheorgheni	2304	1616	318	262
CT Plopilor	2040	1412	282	264
CT 1 Manastur	1259	863	174	163
CT 7 Manastur	1201	818	166	156
CT Muncii	1197	816	165	155
CT Govora	1178	800	163	152
CT 2 Zorilor	1113	750	154	144
CT 6 Manastur	946	620	131	122
CT 24 Manastur	942	618	130	122
CT 1 Grigorescu	939	615	130	121
CT 11 Manastur	904	588	125	117
CT 14 Gheorgheni	897	583	124	116
CT 5 Zorilor	852	548	118	110
CT Taberei	823	527	114	106
CT 11 Grigorescu	768	485	106	99
CT M Viteazu	749	526	103	97
CT 15 AVS	736	517	102	96
CT Gr Manastur	726	509	100	94
CT 3 Grigorescu	610	417	84	79
CT 7 Zorilor	587	399	81	76
CT 22 Manastur	507	336	70	65
CT 26 Manastur	481	317	66	62
CT 10 Marasti	461	301	64	59
CT 6 Zorilor	413	264	57	53
CT 23 Manastur	397	252	55	51
CT 1 Zorilor	371	232	51	48
CT Cuza Voda	265	185	37	35
CT Abator	229	156	32	30
CT Gruia	207	138	29	27
CT 7 Grigorescu	197	130	27	26
CT 9 Manastur	190	125	26	25
CT Craiova	187	122	26	25
CT 15 Gheorgheni	132	84	18	17
CT Caragiale	129	87	18	17
CT Cipariu	126	84	17	17
CT 2 Pata	100	63	14	13
CT 6 Grigorescu	81	54	11	11
CT 8 Grigorescu	81	54	11	11
CT 27 Manastur	45	26	6	6
CT 18 Manastur	29	14	4	4
Total	27909	18800	3856	3538
Total >200	22084	14962	3051	2780
Total <200	5825	3839	805	758
Pondere reducere emisii CO2		33%		8%
Pondere reducere CO2 >200		32%		9%
Pondere reducere CO2 <200		34%		6%
Reducere cost annual energie				318
Reducere cost annual >200				271
Reducere cost annual <200				46

Centralizatoare pentru insulele de energie

Centralizator sintetic A55

Contur	Tehnologii	Valoare investiti mii €	Etapă	Efect tehnic	Valoare	Reducere cost annual energie mii €
Insule energie	Retele	73875	2022-2025	Reducere CO2	55%	1075
	Sistem solar	4494		Reducere Cost	20%	
	PC apa-apa	696	2030-2050			
	PC aer-aer	12922				
	Cogeneare	3779				
	Cazane	4255				
	Captare CO2	1700				
	Total 2030	100020				
	Total 2050	101720				

Centralizator investiții și efecte economice A55

Contur	Tehnologii	Valoare investiții	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
Insula 4,5,9 Grigorescu	Retele	8000	2022-2025	Reducere CO2	56%	91
	Sistem solar	271		Reducere Cost	31%	
	PC apa-apa	72		Pondere SRE	65%	
	PC aer-aer	768		Pondere SRE+Cg	77%	
	Cogeneare	398				
	Cazane	232				
	Captare CO2	98	2030-2050			
	Total 2030	9741				
Total 2050	9839					
Insula 1,2,3,8 Gheorgheni (IEG)	Retele	0	2022-2025	Reducere CO2	55%	86
	Sistem solar	417		Reducere Cost	18%	
	PC apa-apa	72		Pondere SRE	70%	
	PC aer-aer	1536		Pondere SRE+Cg	76%	
	Cogeneare	398				
	Cazane	413				
	Captare CO2	146	2030-2050			
	Total 2030	2835				
Total 2050	2981					
Insula 5,6,7 Gheorgheni	Retele	6000	2022-2025	Reducere CO2	55%	115
	Sistem solar	487		Reducere Cost	22%	
	PC apa-apa	72		Pondere SRE	62%	
	PC aer-aer	1344		Pondere SRE+Cg	69%	
	Cogeneare	398				
	Cazane	442				
	Captare CO2	177	2030-2050			
	Total 2030	8743				
Total 2050	8920					
Insula 9,10 Gheorgheni	Retele	5250	2022-2025	Reducere CO2	55%	91
	Sistem solar	261		Reducere Cost	31%	
	PC apa-apa	48		Pondere SRE	65%	
	PC aer-aer	816		Pondere SRE+Cg	76%	
	Cogeneare	398				
	Cazane	241				
	Captare CO2	100	2030-2050			
	Total 2030	7014				
Total 2050	7114					
Insula 11,12 Gheorgheni	Retele	3375	2022-2025	Reducere CO2	55%	123
	Sistem solar	537		Reducere Cost	20%	
	PC apa-apa	72		Pondere SRE	61%	
	PC aer-aer	1536		Pondere SRE+Cg	67%	
	Cogeneare	398				
	Cazane	522				
	Captare CO2	209	2030-2050			
	Total 2030	6440				
Total 2050	6650					
Insula 3,4 Zorilor	Retele	9750	2022-2025	Reducere CO2	56%	61
	Sistem solar	161		Reducere Cost	33%	
	PC apa-apa	0		Pondere SRE	66%	
	PC aer-aer	576		Pondere SRE+Cg	79%	
	Cogeneare	298				
	Cazane	151				
	Captare CO2	62	2030-2050			
	Total 2030	10936				
Total 2050	10999					

Insula 2,3,4 Manastur	Retele	8125	2022-2025	Reducere CO2	56%	89
	Sistem solar	407		Reducere Cost	21%	
	PC apa-apa	48		Pondere SRE	63%	
	PC aer-aer	1152		Pondere SRE+Cg	69%	
	Cogeneare	298				
	Cazane	370				
	Captare CO2	144	2030-2050			
	Total 2030	10400				
Total 2050	10544					
Insula 5,20 Manastur	Retele	5875	2022-2025	Reducere CO2	56%	63
	Sistem solar	296		Reducere Cost	20%	
	PC apa-apa	48		Pondere SRE	62%	
	PC aer-aer	816		Pondere SRE+Cg	68%	
	Cogeneare	199				
	Cazane	275				
	Captare CO2	108	2030-2050			
	Total 2030	7509				
Total 2050	7617					
Insula 8,10 Manastur	Retele	4375	2022-2025	Reducere CO2	55%	71
	Sistem solar	361		Reducere Cost	17%	
	PC apa-apa	48		Pondere SRE	60%	
	PC aer-aer	1008		Pondere SRE+Cg	65%	
	Cogeneare	199				
	Cazane	356				
	Captare CO2	141	2030-2050			
	Total 2030	6347				
Total 2050	6488					
Insula 12,13 Manastur	Retele	5500	2022-2025	Reducere CO2	55%	57
	Sistem solar	216		Reducere Cost	23%	
	PC apa-apa	48		Pondere SRE	61%	
	PC aer-aer	614		Pondere SRE+Cg	69%	
	Cogeneare	199				
	Cazane	212				
	Captare CO2	87	2030-2050			
	Total 2030	6789				
Total 2050	6875					
Insula 14,15 Manastur	Retele	4625	2022-2025	Reducere CO2	55%	54
	Sistem solar	191		Reducere Cost	25%	
	PC apa-apa	48		Pondere SRE	63%	
	PC aer-aer	547		Pondere SRE+Cg	71%	
	Cogeneare	199				
	Cazane	180				
	Captare CO2	74	2030-2050			
	Total 2030	5790				
Total 2050	5864					
Insula 16,17 Manastur	Retele	4125	2022-2025	Reducere CO2	55%	91
	Sistem solar	592		Reducere Cost	14%	
	PC apa-apa	72		Pondere SRE	59%	
	PC aer-aer	1584		Pondere SRE+Cg	62%	
	Cogeneare	199				
	Cazane	572				
	Captare CO2	222	2030-2050			
	Total 2030	7144				
Total 2050	7366	2030-2050				
Insula 1,3,4 Pata	Retele	8875	2022-2025	Reducere CO2	55%	82
	Sistem solar	296		Reducere Cost	24%	
	PC apa-apa	48		Pondere SRE	51%	
	PC aer-aer	624		Pondere SRE+Cg	58%	
	Cogeneare	199				
	Cazane	289				
	Captare CO2	133	2030-2050			
	Total 2030	10332				
Total 2050	10465					

Insule energie	Retele	73875	2022-2025	Reducere CO2	55%	1075
	Sistem solar	4494		Reducere Cost	20%	
	PC apa-apa	696				
	PC aer-aer	12922				
	Cogeneare	3779				
	Cazane	4255				
	Captare CO2	1700	2030-2050			
	Total 2030	100020				
	Total 2050	101720				

Centralizator emisii si costuri A55

Denumire	Emisii actuale t CO2	Emisii estimate t CO2	Cost actual mii €	Cost estimat mii €
Insula 4,5,9 Grigorescu	2098	929	290	199
Insula 1,2,3,8 Gheorgheni (IEG)	3105	1387	483	397
Insula 5,6,7 Gheorgheni	3773	1685	521	406
Insula 9,10 Gheorgheni	2143	955	296	206
Insula 11,12 Gheorgheni	4408	1993	609	486
Insula 3,4 Zorilor	1339	594	185	124
Insula 2,3,4 Manastur	3127	1372	432	343
Insula 5,20 Manastur	2324	1029	321	258
Insula 8,10 Manastur	2969	1343	410	339
Insula 12,13 Manastur	1820	827	251	194
Insula 14,15 Manastur	1572	700	217	163
Insula 16,17 Manastur	4715	2112	651	561
Insula 1,3,4 Pata	2834	1267	337	255
Total	36227	16191	5005	3931
Pondere reducere emisii CO2		55%		21%
Reducere cost anual energie				1075

Centralizator sintetic M55

Contur	Tehnologii	Valoare investitii	Etapa	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
Insule energie	Retele	73875	2022-2025	Reducere CO2	55%	1337
	Sistem solar	4494		Reducere Cost	22%	
	PC apa-apa	696				
	PC aer-aer	13507				
	Cogeneare	3779				
	Cazane	4963				
	Captare CO2	2074	2030-2050			
	Total 2030	101314				
	Total 2050	103388				

Centralizator investiții și efecte economice M55

Contur	Tehnologii	Valoare investiții	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
Insula 4,5,9 Grigorescu	Retele	8000		Reducere CO2	56%	108
	Sistem solar	271		Reducere Cost	31%	
	PC apa-apa	72		Pondere SRE	62%	
	PC aer-aer	816		Pondere SRE+Cg	73%	
	Cogeneare	398				
	Cazane	270				
	Captare CO2	116	2030-2050			
	Total 2030	9827				
Total 2050	9944					
Insula 1,2,3,8 Gheorgheni (IEG)	Retele	0		Reducere CO2	55%	108
	Sistem solar	417		Reducere Cost	19%	
	PC apa-apa	72		Pondere SRE	66%	
	PC aer-aer	1632		Pondere SRE+Cg	73%	
	Cogeneare	398				
	Cazane	477				
	Captare CO2	175	2030-2050			
	Total 2030	2995				
Total 2050	3170					
Insula 5,6,7 Gheorgheni	Retele	6000		Reducere CO2	56%	140
	Sistem solar	487		Reducere Cost	22%	
	PC apa-apa	72		Pondere SRE	60%	
	PC aer-aer	1440		Pondere SRE+Cg	66%	
	Cogeneare	398				
	Cazane	511				
	Captare CO2	210	2030-2050			
	Total 2030	8908				
Total 2050	9117					
Insula 9,10 Gheorgheni	Retele	5250		Reducere CO2	56%	108
	Sistem solar	261		Reducere Cost	30%	
	PC apa-apa	48		Pondere SRE	62%	
	PC aer-aer	864		Pondere SRE+Cg	73%	
	Cogeneare	398				
	Cazane	280				
	Captare CO2	120	2030-2050			
	Total 2030	7101				
Total 2050	7220					
Insula 11, 12 Gheorgheni	Retele	3375		Reducere CO2	55%	165
	Sistem solar	537		Reducere Cost	21%	
	PC apa-apa	72		Pondere SRE	56%	
	PC aer-aer	1632		Pondere SRE+Cg	61%	
	Cogeneare	398				
	Cazane	642				
	Captare CO2	273	2030-2050			
	Total 2030	6656				
Total 2050	6929					
Insula 3,4 Zorilor	Retele	9750		Reducere CO2	55%	73
	Sistem solar	161		Reducere Cost	33%	
	PC apa-apa	0		Pondere SRE	63%	
	PC aer-aer	595		Pondere SRE+Cg	75%	
	Cogeneare	298				
	Cazane	175				
	Captare CO2	75	2030-2050			
	Total 2030	10980				
Total 2050	11055					

Insula 2,3,4 Manastur	Retele	8125		Reducere CO2	55%	111
	Sistem solar	407		Reducere Cost	21%	
	PC apa-apa	48		Pondere SRE	58%	
	PC aer-aer	1152		Pondere SRE+Cg	64%	
	Cogeneare	298				
	Cazane	427				
	Captare CO2	178	2030-2050			
	Total 2030	10457				
Total 2050	10634					
Insula 5,20 Manastur	Retele	5875		Reducere CO2	55%	79
	Sistem solar	296		Reducere Cost	21%	
	PC apa-apa	48		Pondere SRE	57%	
	PC aer-aer	816		Pondere SRE+Cg	62%	
	Cogeneare	199				
	Cazane	317				
	Captare CO2	133	2030-2050			
	Total 2030	7551				
Total 2050	7684					
Insula 8,10 Manastur	Retele	4375		Reducere CO2	55%	89
	Sistem solar	361		Reducere Cost	18%	
	PC apa-apa	48		Pondere SRE	57%	
	PC aer-aer	1056		Pondere SRE+Cg	61%	
	Cogeneare	199				
	Cazane	409				
	Captare CO2	169	2030-2050			
	Total 2030	6449				
Total 2050	6618					
Insula 12,13 Manastur	Retele	5500		Reducere CO2	55%	71
	Sistem solar	216		Reducere Cost	23%	
	PC apa-apa	48		Pondere SRE	58%	
	PC aer-aer	672		Pondere SRE+Cg	64%	
	Cogeneare	199				
	Cazane	255				
	Captare CO2	108	2030-2050			
	Total 2030	6890				
Total 2050	6998					
Insula 14,15 Manastur	Retele	4625		Reducere CO2	55%	65
	Sistem solar	191		Reducere Cost	25%	
	PC apa-apa	48		Pondere SRE	60%	
	PC aer-aer	576		Pondere SRE+Cg	67%	
	Cogeneare	199				
	Cazane	209				
	Captare CO2	88	2030-2050			
	Total 2030	5847				
Total 2050	5936					
Insula 16,17 Manastur	Retele	4125		Reducere CO2	55%	120
	Sistem solar	592		Reducere Cost	15%	
	PC apa-apa	72		Pondere SRE	56%	
	PC aer-aer	1632		Pondere SRE+Cg	58%	
	Cogeneare	199				
	Cazane	657				
	Captare CO2	269	2030-2050			
	Total 2030	7278				
Total 2050	7546					
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	55%	100
	Sistem solar	296		Reducere Cost	25%	
	PC apa-apa	48		Pondere SRE	47%	
	PC aer-aer	624		Pondere SRE+Cg	53%	
	Cogeneare	199				
	Cazane	333				
	Captare CO2	160	2030-2050			
	Total 2030	10376				
Total 2050	10536					

Insule energie	Retele	73875	2022-2025	Reducere CO2	55%	1337
	Sistem solar	4494		Reducere Cost	22%	
	PC apa-apa	696				
	PC aer-aer	13507				
	Cogeneare	3779				
	Cazane	4963				
	Captare CO2	2074	2030-2050			
	Total 2030	101314				
	Total 2050	103388				

Centralizator emisii si costuri M55

Denumire	Emisii actuale t CO2	Emisii estimate t CO2	Cost actual mii €	Cost estimat mii €
Insula 4,5,9 Grigorescu	2517	1109	348	240
Insula 1,2,3,8 Gheorgheni (IEG)	3726	1667	580	472
Insula 5,6,7 Gheorgheni	4527	1997	625	485
Insula 9,10 Gheorgheni	2571	1140	355	248
Insula 11, 12 Gheorgheni	5715	2598	790	625
Insula 3,4 Zorilor	1607	718	222	149
Insula 2,3,4 Manastur	3753	1692	518	407
Insula 5,20 Manastur	2788	1267	385	306
Insula 8,10 Manastur	3563	1610	492	403
Insula 12,13 Manastur	2275	1032	314	243
Insula 14,15 Manastur	1886	840	261	196
Insula 16,17 Manastur	5658	2557	782	662
Insula 1,3,4 Pata	3401	1523	405	305
Total	43989	19751	6078	4740
Pondere reducere emisii CO2		55%		22%
Reducere cost anual energie				1337

Centralizator sintetic I55

Contur	Tehnologii	Valoare investiti	Etapa	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
Insule energie	Retele	73875	2022-2030	Reducere CO2	55%	2181
	Sistem solar	4494		Reducere Cost	15%	
	PC apa-apa	744				
	PC aer-aer	29856				
	Cogeneare	3779				
	Cazane	11851				
	Captare CO2	4908	2030-2050			
	Total 2030	124599				
	Total 2050	129507				

Centralizator investiții și efecte economice I55

Contur	Tehnologii	Valoare investitii	Etapa	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
Insula 4,5,9 Grigorescu	Retele	8000		Reducere CO2	55%	189
	Sistem solar	271		Reducere Cost	17%	
	PC apa-apa	96		Pondere SRE	57%	
	PC aer-aer	2400		Pondere SRE+Cg	61%	
	Cogeneare	398				
	Cazane	919				
	Captare CO2	379	2030-2050			
	Total 2030	12084				
Total 2050	12462					
Insula 1,2,3,8 Gheorgheni (IEG)	Retele	0		Reducere CO2	55%	144
	Sistem solar	417		Reducere Cost	14%	
	PC apa-apa	72		Pondere SRE	65%	
	PC aer-aer	2784		Pondere SRE+Cg	68%	
	Cogeneare	398				
	Cazane	853				
	Captare CO2	309	2030-2050			
	Total 2030	4523				
Total 2050	4832					
Insula 5,6,7 Gheorgheni	Retele	6000		Reducere CO2	55%	196
	Sistem solar	487		Reducere Cost	17%	
	PC apa-apa	96		Pondere SRE	55%	
	PC aer-aer	2304		Pondere SRE+Cg	59%	
	Cogeneare	398				
	Cazane	927				
	Captare CO2	389	2030-2050			
	Total 2030	10212				
Total 2050	10601					
Insula 9,10 Gheorgheni	Retele	5250		Reducere CO2	55%	171
	Sistem solar	261		Reducere Cost	18%	
	PC apa-apa	48		Pondere SRE	56%	
	PC aer-aer	2016		Pondere SRE+Cg	61%	
	Cogeneare	398				
	Cazane	769				
	Captare CO2	322	2030-2050			
	Total 2030	8742				
Total 2050	9064					
Insula 11, 12 Gheorgheni	Retele	3375		Reducere CO2	55%	165
	Sistem solar	537		Reducere Cost	21%	
	PC apa-apa	72		Pondere SRE	56%	
	PC aer-aer	1632		Pondere SRE+Cg	61%	
	Cogeneare	398				
	Cazane	642				
	Captare CO2	273	2030-2050			
	Total 2030	6656				
Total 2050	6929					
Insula 3,4 Zorilor	Retele	9750		Reducere CO2	55%	170
	Sistem solar	161		Reducere Cost	14%	
	PC apa-apa	0		Pondere SRE	55%	
	PC aer-aer	2592		Pondere SRE+Cg	58%	
	Cogeneare	298				
	Cazane	987				
	Captare CO2	404	2030-2050			
	Total 2030	13788				
Total 2050	14193					

Insula 2,3,4 Manastur	Retele	8125		Reducere CO2	55%	193
	Sistem solar	407		Reducere Cost	14%	
	PC apa-apa	48		Pondere SRE	55%	
	PC aer-aer	2880		Pondere SRE+Cg	58%	
	Cogeneare	298				
	Cazane	1129				
	Captare CO2	461	2030-2050			
	Total 2030	12887				
Total 2050	13349					
Insula 5,20 Manastur	Retele	5875		Reducere CO2	55%	144
	Sistem solar	296		Reducere Cost	14%	
	PC apa-apa	48		Pondere SRE	55%	
	PC aer-aer	2208		Pondere SRE+Cg	57%	
	Cogeneare	199				
	Cazane	885				
	Captare CO2	363	2030-2050			
	Total 2030	9511				
Total 2050	9874					
Insula 8,10 Manastur	Retele	4375		Reducere CO2	55%	135
	Sistem solar	361		Reducere Cost	14%	
	PC apa-apa	48		Pondere SRE	56%	
	PC aer-aer	2016		Pondere SRE+Cg	58%	
	Cogeneare	199				
	Cazane	790				
	Captare CO2	320	2030-2050			
	Total 2030	7789				
Total 2050	8109					
Insula 12,13 Manastur	Retele	5500		Reducere CO2	55%	148
	Sistem solar	216		Reducere Cost	13%	
	PC apa-apa	48		Pondere SRE	55%	
	PC aer-aer	2400		Pondere SRE+Cg	57%	
	Cogeneare	199				
	Cazane	942				
	Captare CO2	383	2030-2050			
	Total 2030	9305				
Total 2050	9687					
Insula 14,15 Manastur	Retele	4625		Reducere CO2	55%	133
	Sistem solar	191		Reducere Cost	14%	
	PC apa-apa	48		Pondere SRE	55%	
	PC aer-aer	2016		Pondere SRE+Cg	57%	
	Cogeneare	199				
	Cazane	806				
	Captare CO2	332	2030-2050			
	Total 2030	7884				
Total 2050	8216					
Insula 16,17 Manastur	Retele	4125		Reducere CO2	55%	146
	Sistem solar	592		Reducere Cost	13%	
	PC apa-apa	72		Pondere SRE	56%	
	PC aer-aer	2400		Pondere SRE+Cg	58%	
	Cogeneare	199				
	Cazane	933				
	Captare CO2	373	2030-2050			
	Total 2030	8322				
Total 2050	8694					
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	55%	248
	Sistem solar	296		Reducere Cost	16%	
	PC apa-apa	48		Pondere SRE	44%	
	PC aer-aer	2208		Pondere SRE+Cg	45%	
	Cogeneare	199				
	Cazane	1269				
	Captare CO2	601	2030-2050			
	Total 2030	12896				
Total 2050	13497					

Insule energie	Retele	73875	2022-2030	Reducere CO2	55%	2181
	Sistem solar	4494		Reducere Cost	15%	
	PC apa-apa	744				
	PC aer-aer	29856				
	Cogeneare	3779				
	Cazane	11851				
	Captare CO2	4908	2030-2050			
	Total 2030	124599				
	Total 2050	129507				

Centralizator emisii si costuri I55

Denumire	Emisii actuale t CO2	Emisii estimate t CO2	Cost actual mii €	Cost estimat mii €
Insula 4,5,9 Grigorescu	8091	3606	1118	929
Insula 1,2,3,8 Gheorgheni (IEG)	6589	2940	1026	882
Insula 5,6,7 Gheorgheni	8158	3708	1127	932
Insula 9,10 Gheorgheni	6768	3067	935	764
Insula 11, 12 Gheorgheni	5715	2598	790	625
Insula 3,4 Zorilor	8530	3849	1178	1008
Insula 2,3,4 Manastur	9782	4393	1352	1159
Insula 5,20 Manastur	7661	3456	1059	915
Insula 8,10 Manastur	6851	3051	947	812
Insula 12,13 Manastur	8146	3643	1125	977
Insula 14,15 Manastur	6987	3159	965	832
Insula 16,17 Manastur	7965	3550	1100	955
Insula 1,3,4 Pata	12691	5724	1509	1261
Total	103934	46743	14231	12050
Pondere reducere emisii CO2		55%		15%
Reducere cost anual energie				2181

Centralizator sintetic A30

Contur	Tehnologii	Valoare investitii	Etapa	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
Insule energie	Retele	73875	2022-2030	Reducere CO2	30%	878
	Sistem solar	4494		Reducere Cost	18%	
	PC apa-apa	432				
	PC aer-aer	3091				
	Cogeneare	3431				
	Cazane	4305				
	Captare CO2	2654	2030-2050			
	Total 2030	89628				
Total 2050	92282					

Centralizator investiții și efecte economice A30

Contur	Tehnologii	Valoare investiții	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
Insula 4,5,9 Grigorescu	Retele	8000	2022-2025	Reducere CO2	31%	54
	Sistem solar	271		Reducere Cost	19%	
	PC apa-apa	24		Pondere SRE	33%	
	PC aer-aer	240		Pondere SRE+Cg	49%	
	Cogeneare	398				
	Cazane	238				
	Captare CO2	153	2030-2050			
	Total 2030	9171				
Total 2050	9324					
Insula 1,2,3,8 Gheorgheni (IEG)	Retele	0	2022-2025	Reducere CO2	30%	92
	Sistem solar	417		Reducere Cost	19%	
	PC apa-apa	48		Pondere SRE	39%	
	PC aer-aer	576		Pondere SRE+Cg	48%	
	Cogeneare	398				
	Cazane	416				
	Captare CO2	229	2030-2050			
	Total 2030	1854				
Total 2050	2084					
Insula 5,6,7 Gheorgheni	Retele	6000	2022-2025	Reducere CO2	31%	97
	Sistem solar	487		Reducere Cost	19%	
	PC apa-apa	48		Pondere SRE	30%	
	PC aer-aer	336		Pondere SRE+Cg	39%	
	Cogeneare	398				
	Cazane	445				
	Captare CO2	273	2030-2050			
	Total 2030	7714				
Total 2050	7987					
Insula 9,10 Gheorgheni	Retele	5250	2022-2025	Reducere CO2	30%	53
	Sistem solar	261		Reducere Cost	18%	
	PC apa-apa	48		Pondere SRE	32%	
	PC aer-aer	192		Pondere SRE+Cg	47%	
	Cogeneare	398				
	Cazane	241				
	Captare CO2	158	2030-2050			
	Total 2030	6390				
Total 2050	6548					
Insula 11, 12 Gheorgheni	Retele	3375	2022-2025	Reducere CO2	31%	113
	Sistem solar	537		Reducere Cost	19%	
	PC apa-apa	48		Pondere SRE	29%	
	PC aer-aer	384		Pondere SRE+Cg	37%	
	Cogeneare	398				
	Cazane	525				
	Captare CO2	320	2030-2050			
	Total 2030	5267				
Total 2050	5587					
Insula 3,4 Zorilor	Retele	9750	2022-2025	Reducere CO2	30%	33
	Sistem solar	161		Reducere Cost	18%	
	PC apa-apa	0		Pondere SRE	27%	
	PC aer-aer	125		Pondere SRE+Cg	34%	
	Cogeneare	99				
	Cazane	162				
	Captare CO2	98	2030-2050			
	Total 2030	10297				
Total 2050	10395					

Insula 2,3,4 Manastur	Retele	8125	2022-2025	Reducere CO2	30%	69
	Sistem solar	407		Reducere Cost	16%	
	PC apa-apa	48		Pondere SRE	26%	
	PC aer-aer	192		Pondere SRE+Cg	31%	
	Cogeneare	149				
	Cazane	378				
	Captare CO2	229	2030-2050			
	Total 2030	9299				
Total 2050	9529					
Insula 5,20 Manastur	Retele	5875	2022-2025	Reducere CO2	30%	58
	Sistem solar	296		Reducere Cost	18%	
	PC apa-apa	48		Pondere SRE	28%	
	PC aer-aer	154		Pondere SRE+Cg	36%	
	Cogeneare	199				
	Cazane	275				
	Captare CO2	170	2030-2050			
	Total 2030	6847				
Total 2050	7017					
Insula 8,10 Manastur	Retele	4375	2022-2025	Reducere CO2	30%	72
	Sistem solar	361		Reducere Cost	18%	
	PC apa-apa	48		Pondere SRE	26%	
	PC aer-aer	192		Pondere SRE+Cg	33%	
	Cogeneare	199				
	Cazane	356				
	Captare CO2	219	2030-2050			
	Total 2030	5531				
Total 2050	5750					
Insula 12,13 Manastur	Retele	5500	2022-2025	Reducere CO2	30%	46
	Sistem solar	216		Reducere Cost	18%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	192		Pondere SRE+Cg	39%	
	Cogeneare	199				
	Cazane	217				
	Captare CO2	133	2030-2050			
	Total 2030	6324				
Total 2050	6457					
Insula 14,15 Manastur	Retele	4625	2022-2025	Reducere CO2	30%	39
	Sistem solar	191		Reducere Cost	18%	
	PC apa-apa	0		Pondere SRE	29%	
	PC aer-aer	163		Pondere SRE+Cg	40%	
	Cogeneare	199				
	Cazane	186				
	Captare CO2	116	2030-2050			
	Total 2030	5364				
Total 2050	5480					
Insula 16,17 Manastur	Retele	4125	2022-2025	Reducere CO2	30%	96
	Sistem solar	592		Reducere Cost	15%	
	PC apa-apa	72		Pondere SRE	26%	
	PC aer-aer	288		Pondere SRE+Cg	30%	
	Cogeneare	199				
	Cazane	572				
	Captare CO2	345	2030-2050			
	Total 2030	5848				
Total 2050	6194					
Insula 1,3,4 Pata	Retele	8875	2022-2025	Reducere CO2	30%	56
	Sistem solar	296		Reducere Cost	17%	
	PC apa-apa	0		Pondere SRE	14%	
	PC aer-aer	58		Pondere SRE+Cg	23%	
	Cogeneare	199				
	Cazane	295				
	Captare CO2	209	2030-2050			
	Total 2030	9723				
Total 2050	9931					

Insule energie	Retele	73875	2022-2030	Reducere CO2	30%	878
	Sistem solar	4494		Reducere Cost	18%	
	PC apa-apa	432				
	PC aer-aer	3091				
	Cogeneare	3431				
	Cazane	4305				
	Captare CO2	2654	2030-2050			
	Total 2030	89628				
	Total 2050	92282				

Centralizator emisii si costuri A30

Denumire	Emisii actuale t CO2	Emisii estimate t CO2	Cost actual mii €	Cost estimat mii €
Insula 4,5,9 Grigorescu	2098	1454	290	236
Insula 1,2,3,8 Gheorgheni (IEG)	3105	2185	483	391
Insula 5,6,7 Gheorgheni	3773	2603	521	424
Insula 9,10 Gheorgheni	2143	1508	296	243
Insula 11, 12 Gheorgheni	4408	3047	609	496
Insula 3,4 Zorilor	1339	933	185	152
Insula 2,3,4 Manastur	3127	2184	432	363
Insula 5,20 Manastur	2324	1622	321	263
Insula 8,10 Manastur	2969	2087	410	338
Insula 12,13 Manastur	1820	1266	251	205
Insula 14,15 Manastur	1572	1106	217	179
Insula 16,17 Manastur	4715	3290	651	555
Insula 1,3,4 Pata	2834	1987	337	281
Total	36227	25274	5005	4127
Pondere reducere emisii CO2		30%		18%
Reducere cost anual energie				878

Centralizatoare pentru CTZ

Centralizator sintetic A55

Contur	Tehnologii	Valoare investitii mii €	Etapă	Efect tehnic	Valoare	Reducere cost annual energie mii €
CTZ Reconfigurat in ansamblu Raportat la componente	Retele	43375	2022-2030	Reducere CO2	55%	649
	Sistem solar	2029		Reducere Cost	30%	
	PC apa-apa	816	2030-2050			
	PC aer-aer	1752				
	Cogeneare	2685				
	Cazane	1792				
	Captare CO2	1090				
	Total 2030	52449				
Total 2050	53539					
CTZ Reconfigurat in ansamblu Raportat la CTZ actual	Retele	43375	2022-2030	Reducere CO2	88%	1080
	Sistem solar	2029		Reducere Cost	42%	
	PC apa-apa	816	2030-2050			
	PC aer-aer	1752				
	Cogeneare	2685				
	Cazane	1792				
	Captare CO2	1090				
	Total 2030	52449				
Total 2050	53539					

Centralizator investiții și efecte economice A55

Contur	Tehnologii	Valoare investiții	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ Actual	Retele	0		Reducere CO2	0%	0
	Sistem solar	0		Reducere Cost	0%	
	PC apa-apa	0		Pondere SRE	0%	
	PC aer-aer	0		Pondere SRE+Cg	43%	
	Cogeneare	0				
	Cazane	0				
	Captare CO2	0				
	Total 2030	0				
Total 2050	0					
CTZ Reconfigurat	Retele	31250	2022-2025	Reducere CO2	55%	556
	Sistem solar	1732		Reducere Cost	34%	
	PC apa-apa	768		Pondere SRE	34%	
	PC aer-aer	768		Pondere SRE+Cg	50%	
	Cogeneare	2486				
	Cazane	1364				
	Captare CO2	902	2030-2050			
	Total 2030	38368				
Total 2050	39270					
CTZ PT 26 Marasti	Retele	750		Reducere CO2	56%	7
	Sistem solar	0		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	54%	
	PC aer-aer	240		Pondere SRE+Cg	54%	
	Cogeneare	0				
	Cazane	92				
	Captare CO2	36	2030-2050			
	Total 2030	1082				
Total 2050	1118					
CTZ PT Venus	Retele	500		Reducere CO2	56%	2
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	53%	
	PC aer-aer	72		Pondere SRE+Cg	53%	
	Cogeneare	0				
	Cazane	28				
	Captare CO2	11	2030-2050			
	Total 2030	600				
Total 2050	611					
CTZ PT 11 Marasti	Retele	2000		Reducere CO2	55%	2
	Sistem solar	0		Reducere Cost	8%	
	PC apa-apa	0		Pondere SRE	52%	
	PC aer-aer	48		Pondere SRE+Cg	52%	
	Cogeneare	0				
	Cazane	19				
	Captare CO2	8	2030-2050			
	Total 2030	2067				
Total 2050	2075					
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	55%	82
	Sistem solar	296		Reducere Cost	24%	
	PC apa-apa	48		Pondere SRE	51%	
	PC aer-aer	624		Pondere SRE+Cg	58%	
	Cogeneare	199				
	Cazane	289				
	Captare CO2	133	2030-2050			
	Total 2030	10332				
Total 2050	10465					

CTZ	Retele	43375		Reducere CO2	55%	649
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	30%	
Raportatat la componente	PC apa-apa	816				
	PC aer-aer	1752				
	Cogeneare	2685				
	Cazane	1792				
	Captare CO2	1090	2030-2050			
	Total 2030	52449				
	Total 2050	53539				
CTZ	Retele	43375		Reducere CO2	88%	1080
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	42%	
Raportatat la CTZ actual	PC apa-apa	816				
	PC aer-aer	1752				
	Cogeneare	2685				
	Cazane	1792				
	Captare CO2	1090	2030-2050			
	Total 2030	52449				
	Total 2050	53539				

Centralizator emisii si costuri A55

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CTZ Actual	30881	30881	2560	2560
CTZ Reconfigurat	19139	8587	1640	1084
CTZ PT 26 Marasti	794	347	100	93
CTZ PT Venus	241	106	30	28
CTZ PT 11 Marasti	167	75	21	19
Insula 1,3,4 Pata	2834	1267	337	255
Total	23177	10382	2129	1480
Pondere reducere emisii CO2		55%		30%
Pondere reducere emisii CO2 (fata de CTZ Actual)		88%		42%
Reducere cost annual energie				649
Reducere cost annual energie (fata de CTZ Actual)				1080

Centralizator sintetic M55

Contur	Tehnologii	Valoare investitii	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ Reconfigurat in ansamblu Raportatat la componente	Retele	43375	2022-2030	Reducere CO2	55%	779
	Sistem solar	2029		Reducere Cost	30%	
	PC apa-apa	816				
	PC aer-aer	1762				
	Cogeneare	3679				
	Cazane	2028				
	Captare CO2	1314		2030-2050		
	Total 2030	53689				
	Total 2050	55003				
CTZ Reconfigurat in ansamblu Raportatat la CTZ actual	Retele	43375	2022-2030	Reducere CO2	64%	1175
	Sistem solar	2029		Reducere Cost	40%	
	PC apa-apa	816				
	PC aer-aer	1762				
	Cogeneare	3679				
	Cazane	2028				
	Captare CO2	1314		2030-2050		
	Total 2030	53689				
	Total 2050	55003				

Centralizator investiții și efecte economice M55

Contur	Tehnologii	Valoare investiții	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ Actual	Retele	0		Reducere CO2	0%	0
	Sistem solar	0		Reducere Cost	0%	
	PC apa-apa	0		Pondere SRE	0%	
	PC aer-aer	0		Pondere SRE+Cg	43%	
	Cogeneare	0				
	Cazane	0				
	Captare CO2	0				
	Total 2030	0				
Total 2050	0					
CTZ Reconfigurat	Retele	31250		Reducere CO2	55%	661
	Sistem solar	1732		Reducere Cost	34%	
	PC apa-apa	768		Pondere SRE	32%	
	PC aer-aer	768		Pondere SRE+Cg	52%	
	Cogeneare	3480				
	Cazane	1536				
	Captare CO2	1087	2030-2050			
	Total 2030	39534				
Total 2050	40622					
CTZ PT 26 Marasti	Retele	750		Reducere CO2	56%	12
	Sistem solar	0		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	50%	
	PC aer-aer	240		Pondere SRE+Cg	50%	
	Cogeneare	0				
	Cazane	105				
	Captare CO2	44	2030-2050			
	Total 2030	1095				
Total 2050	1139					
CTZ PT Venus	Retele	500		Reducere CO2	57%	4
	Sistem solar	0		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	51%	
	PC aer-aer	77		Pondere SRE+Cg	51%	
	Cogeneare	0				
	Cazane	32				
	Captare CO2	13	2030-2050			
	Total 2030	609				
Total 2050	622					
CTZ PT 11 Marasti	Retele	2000		Reducere CO2	57%	3
	Sistem solar	0		Reducere Cost	10%	
	PC apa-apa	0		Pondere SRE	51%	
	PC aer-aer	53		Pondere SRE+Cg	51%	
	Cogeneare	0				
	Cazane	22				
	Captare CO2	9	2030-2050			
	Total 2030	2075				
Total 2050	2084					
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	55%	100
	Sistem solar	296		Reducere Cost	25%	
	PC apa-apa	48		Pondere SRE	47%	
	PC aer-aer	624		Pondere SRE+Cg	53%	
	Cogeneare	199				
	Cazane	333				
	Captare CO2	160	2030-2050			
	Total 2030	10376				
Total 2050	10536					

CTZ	Sistem solar	43375		Reducere CO2	55%	779
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	30%	
Raportatat la componente	PC apa-apa	816				
	PC aer-aer	1762				
	Cogeneare	3679				
	Cazane	2028				
	Captare CO2	1314	2030-2050			
	Total 2030	53689				
	Total 2050	55003				1175
CTZ	Sistem solar	43375		Reducere CO2	64%	1175
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	40%	
Raportatat la CTZ actual	PC apa-apa	816				
	PC aer-aer	1762				
	Cogeneare	3679				
	Cazane	2028				
	Captare CO2	1314	2030-2050			
	Total 2030	53689				
	Total 2050	55003				

Centralizator emisii si costuri M55

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CTZ Actual	34892	34892	2950	2950
CTZ Reconfigurat	22967	10356	1968	1307
CTZ PT 26 Marasti	953	422	120	108
CTZ PT Venus	290	125	36	33
CTZ PT 11 Marasti	201	87	25	23
Insula 1,3,4 Pata	3401	1523	405	305
Total	27812	12515	2555	1776
Pondere reducere emisii CO2		55%		30%
Pondere reducere emisii CO2 (fata de CTZ Actual)		64%		40%
Reducere cost annual energie				779
Reducere cost annual energie (fata de CTZ Actual)				1175

Centralizator sintetic I55

Contur	Tehnologii	Valoare investitii	Etapa	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
CTZ Reconfigurat in ansamblu Raportatat la componente	Retele	43375	2022-2030	Reducere CO2	55%	2447
	Sistem solar	2029		Reducere Cost	29%	
	PC apa-apa	2640	2030-2050			
	PC aer-aer	6360				
	Cogeneare	10143				
	Cazane	6721				
	Captare CO2	4268				
	Total 2030	71267				
Total 2050	75534					
CTZ Reconfigurat in ansamblu Raportatat la CTZ actual	Retele	43375	2022-2030	Reducere CO2	60%	2951
	Sistem solar	2029		Reducere Cost	33%	
	PC apa-apa	2640	2030-2050			
	PC aer-aer	6360				
	Cogeneare	10143				
	Cazane	6721				
	Captare CO2	4268				
	Total 2030	71267				
Total 2050	75534					

Centralizator investiții și efecte economice I55

Contur	Tehnologii	Valoare investiții	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ Actual	Retele	0		Reducere CO2	0%	0
	Sistem solar	0		Reducere Cost	0%	
	PC apa-apa	0		Pondere SRE	0%	
	PC aer-aer	0		Pondere SRE+Cg	20%	
	Cogeneare	0				
	Cazane	0				
	Captare CO2	0				
	Total 2030	0				
Total 2050	0					
CTZ Reconfigurat	Retele	31250		Reducere CO2	55%	2113
	Sistem solar	1732		Reducere Cost	34%	
	PC apa-apa	2592		Pondere SRE	32%	
	PC aer-aer	2592		Pondere SRE+Cg	51%	
	Cogeneare	9944				
	Cazane	4780				
	Captare CO2	3385	2030-2050			
	Total 2030	52890				
Total 2050	56276					
CTZ PT 26 Marasti	Retele	750		Reducere CO2	56%	22
	Sistem solar	0		Reducere Cost	11%	
	PC apa-apa	0		Pondere SRE	50%	
	PC aer-aer	384		Pondere SRE+Cg	50%	
	Cogeneare	0				
	Cazane	170				
	Captare CO2	72	2030-2050			
	Total 2030	1304				
Total 2050	1376					
CTZ PT Venus	Retele	500		Reducere CO2	57%	17
	Sistem solar	0		Reducere Cost	11%	
	PC apa-apa	0		Pondere SRE	50%	
	PC aer-aer	312		Pondere SRE+Cg	50%	
	Cogeneare	0				
	Cazane	134				
	Captare CO2	56	2030-2050			
	Total 2030	946				
Total 2050	1003					
CTZ PT 11 Marasti	Retele	2000		Reducere CO2	57%	47
	Sistem solar	0		Reducere Cost	11%	
	PC apa-apa	0		Pondere SRE	51%	
	PC aer-aer	864		Pondere SRE+Cg	51%	
	Cogeneare	0				
	Cazane	367				
	Captare CO2	153	2030-2050			
	Total 2030	3231				
Total 2050	3383					
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	55%	248
	Sistem solar	296		Reducere Cost	16%	
	PC apa-apa	48		Pondere SRE	44%	
	PC aer-aer	2208		Pondere SRE+Cg	45%	
	Cogeneare	199				
	Cazane	1269				
	Captare CO2	601	2030-2050			
	Total 2030	12896				
Total 2050	13497					

CTZ	Retele	43375		Reducere CO2	55%	2447
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	29%	
Raportatat la componente	PC apa-apa	2640				
	PC aer-aer	6360				
	Cogeneare	10143				
	Cazane	6721				
	Captare CO2	4268	2030-2050			
	Total 2030	71267				
	Total 2050	75534				
CTZ	Retele	43375		Reducere CO2	60%	2951
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	33%	
Raportatat la CTZ actual	PC apa-apa	2640				
	PC aer-aer	6360				
	Cogeneare	10143				
	Cazane	6721				
	Captare CO2	4268	2030-2050			
	Total 2030	71267				
	Total 2050	75534				

Centralizator emisii si costuri I55

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CTZ Actual	101940	101940	8995	8995
CTZ Reconfigurat	72357	32243	6201	4088
CTZ PT 26 Marasti	1569	687	198	176
CTZ PT Venus	1242	537	156	139
CTZ PT 11 Marasti	3388	1454	427	380
Insula 1,3,4 Pata	12691	5724	1509	1261
Total	91247	40645	8491	6044
Pondere reducere emisii CO2		55%		29%
Pondere reducere emisii CO2 (fata de CTZ Actual)		60%		33%
Reducere cost annual energie				2447
Reducere cost annual energie (fata de CTZ Actual)				2951

Centralizator sintetic A30

Contur	Tehnologii	Valoare investitii	Etapa	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
CTZ Reconfigurat in ansamblu Raportatat la componente	Retele	43375	2022-2030	Reducere CO2	37%	428
	Sistem solar	2029		Reducere Cost	20%	
	PC apa-apa	0	2030-2050			
	PC aer-aer	117				
	Cogeneare	3182				
	Cazane	1859				
	Captare CO2	1521				
	Total 2030	50562				
Total 2050	52083					
CTZ Reconfigurat in ansamblu Raportatat la CTZ actual	Retele	43375	2022-2030	Reducere CO2	53%	859
	Sistem solar	2029		Reducere Cost	34%	
	PC apa-apa	0	2030-2050			
	PC aer-aer	117				
	Cogeneare	3182				
	Cazane	1859				
	Captare CO2	1521				
	Total 2030	50562				
Total 2050	52083					

Centralizator investiții și efecte economice A30

Contur	Tehnologii	Valoare investiții	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ Actual	Retele	0		Reducere CO2	0%	0
	Sistem solar	0		Reducere Cost	0%	
	PC apa-apa	0		Pondere SRE	0%	
	PC aer-aer	0		Pondere SRE+Cg	43%	
	Cogeneare	0				
	Cazane	0				
	Captare CO2	0				
	Total 2030	0				
Total 2050	0					
CTZ Reconfigurat	Retele	31250	2022-2025	Reducere CO2	39%	362
	Sistem solar	1732		Reducere Cost	22%	
	PC apa-apa	0		Pondere SRE	8%	
	PC aer-aer	0		Pondere SRE+Cg	35%	
	Cogeneare	2983				
	Cazane	1426				
	Captare CO2	1225	2030-2050			
	Total 2030	37391				
Total 2050	38615					
CTZ PT 26 Marasti	Retele	750	2028-2030	Reducere CO2	33%	7
	Sistem solar	0		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	18%	
	PC aer-aer	48		Pondere SRE+Cg	18%	
	Cogeneare	0				
	Cazane	92				
	Captare CO2	56	2030-2050			
	Total 2030	890				
Total 2050	946					
CTZ PT Venus	Retele	500	2028-2030	Reducere CO2	30%	2
	Sistem solar	0		Reducere Cost	7%	
	PC apa-apa	0		Pondere SRE	15%	
	PC aer-aer	12		Pondere SRE+Cg	15%	
	Cogeneare	0				
	Cazane	28				
	Captare CO2	18	2030-2050			
	Total 2030	539				
Total 2050	557					
CTZ PT 11 Marasti	Retele	2000	2028-2030	Reducere CO2	20%	1
	Sistem solar	0		Reducere Cost	4%	
	PC apa-apa	0		Pondere SRE	0%	
	PC aer-aer	0		Pondere SRE+Cg	0%	
	Cogeneare	0				
	Cazane	19				
	Captare CO2	14	2030-2050			
	Total 2030	2019				
Total 2050	2033					
Insula 1,3,4 Pata	Retele	8875	2022-2025	Reducere CO2	30%	56
	Sistem solar	296		Reducere Cost	17%	
	PC apa-apa	0		Pondere SRE	14%	
	PC aer-aer	58		Pondere SRE+Cg	23%	
	Cogeneare	199				
	Cazane	295				
	Captare CO2	209	2030-2050			
	Total 2030	9723				
Total 2050	9931					

CTZ	Retele	43375		Reducere CO2	37%	428
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	20%	
Raportatat la componente	PC apa-apa	0				
	PC aer-aer	117				
	Cogeneare	3182				
	Cazane	1859				
	Captare CO2	1521	2030-2050			
	Total 2030	50562				
	Total 2050	52083				
CTZ	Retele	43375		Reducere CO2	53%	859
Reconfigurat in ansamblu	Sistem solar	2029		Reducere Cost	34%	
Raportatat la CTZ actual	PC apa-apa	0				
	PC aer-aer	117				
	Cogeneare	3182				
	Cazane	1859				
	Captare CO2	1521	2030-2050			
	Total 2030	50562				
	Total 2050	52083				

Centralizator emisii si costuri A30

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CTZ Actual	30881	30881	2560	2560
CTZ Reconfigurat	19139	11663	1640	1278
CTZ PT 26 Marasti	794	536	100	93
CTZ PT Venus	241	168	30	28
CTZ PT 11 Marasti	167	134	21	20
Insula 1,3,4 Pata	2834	1987	337	281
Total	23177	14488	2129	1701
Pondere reducere emisii CO2		37%		20%
Pondere reducere emisii CO2 (fata de CTZ Actual)		53%		34%
Reducere cost annual energie				428
Reducere cost annual energie (fata de CTZ Actual)				859

Centralizatoare pentru scenariul „Minim”

Centralizator sintetic pentru centralele termice de cvartal

Contur	Tehnologii	Valoare investitii mii €	Etapă	Efect tehnic	Valoare	Reducere cost annual energie mii €
CT >200 ap	Retele	45375	2025-2028	Reducere CO2	15%	458
	Cazane	2737		Reducere Cost	15%	
	Total 2030	351572				
CT <200 ap	Retele	35375	2028-2030	Reducere CO2	15%	121
	Cazane	731		Reducere Cost	15%	
	Total 2030	36106				

Centralizator investiții și efecte economice pentru centralele termice de cvartal

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost annual energie
		mii €				mii €
CT 13 Gheorgheni	Retele	1375		Reducere CO2	15%	52
	Cazane	298		Reducere Cost	15%	
	Total 2030	1673				
CT 4 Gheorgheni	Retele	2125		Reducere CO2	15%	48
	Cazane	272		Reducere Cost	15%	
	Total 2030	2397				
CT Plopilor	Retele	3625		Reducere CO2	15%	42
	Cazane	256		Reducere Cost	15%	
	Total 2030	3881				
CT 1 Manastur	Retele	2250		Reducere CO2	15%	26
	Cazane	158		Reducere Cost	15%	
	Total 2030	2408				
CT 7 Manastur	Retele	1625		Reducere CO2	15%	25
	Cazane	151		Reducere Cost	15%	
	Total 2030	1776				
CT Muncii	Retele	1625		Reducere CO2	15%	25
	Cazane	150		Reducere Cost	15%	
	Total 2030	1775				
CT Govora	Retele	1875		Reducere CO2	15%	24
	Cazane	148		Reducere Cost	15%	
	Total 2030	2023				
CT 2 Zorilor	Retele	3625		Reducere CO2	15%	23
	Cazane	140		Reducere Cost	15%	
	Total 2030	3765				
CT 6 Manastur	Retele	2375		Reducere CO2	15%	20
	Cazane	119		Reducere Cost	15%	
	Total 2030	2494				
CT 24 Manastur	Retele	2375		Reducere CO2	15%	20
	Cazane	118		Reducere Cost	15%	
	Total 2030	2493				
CT 1 Grigorescu	Retele	2375		Reducere CO2	15%	19
	Cazane	118		Reducere Cost	15%	
	Total 2030	2493				
CT 11 Manastur	Retele	2000		Reducere CO2	15%	19
	Cazane	113		Reducere Cost	15%	
	Total 2030	2113				
CT 14 Gheorgheni	Retele	2125		Reducere CO2	15%	19
	Cazane	113		Reducere Cost	15%	
	Total 2030					
CT 5 Zorilor	Retele	3375		Reducere CO2	15%	18
	Cazane	107		Reducere Cost	15%	
	Total 2030	3482				
CT Taberei	Retele	2250		Reducere CO2	15%	17
	Cazane	103		Reducere Cost	15%	
	Total 2030	2353				
CT 11 Grigorescu	Retele	3250		Reducere CO2	15%	16
	Cazane	96		Reducere Cost	15%	
	Total 2030					
CT M Viteazu	Retele	875		Reducere CO2	15%	16
	Cazane	94		Reducere Cost	15%	
	Total 2030	969				
CT 15 AVS	Retele	4625		Reducere CO2	15%	15
	Cazane	92		Reducere Cost	15%	
	Total 2030	4717				
CT Gr Manastur	Retele	1625		Reducere CO2	15%	15
	Cazane	91		Reducere Cost	15%	
	Total 2030	1716				

CT 3 Grigorescu	Retele	1750		Reducere CO2	15%	13
	Cazane	77		Reducere Cost	15%	
	Total 2030	1827				
CT 7 Zorilor	Retele	1750		Reducere CO2	15%	12
	Cazane	74		Reducere Cost	15%	
	Total 2030	1824				
CT 22 Manastur	Retele	2375		Reducere CO2	15%	11
	Cazane	64		Reducere Cost	15%	
	Total 2030	2439				
CT 26 Manastur	Retele	2750		Reducere CO2	15%	10
	Cazane	60		Reducere Cost	15%	
	Total 2030	2810				
CT 10 Marasti	Retele	1375		Reducere CO2	15%	10
	Cazane	58		Reducere Cost	15%	
	Total 2030	1433				
CT 6 Zorilor	Retele	1750		Reducere CO2	15%	9
	Cazane	52		Reducere Cost	15%	
	Total 2030	1802				
CT 23 Manastur	Retele	1750		Reducere CO2	15%	8
	Cazane	50		Reducere Cost	15%	
	Total 2030	1800				
CT 1 Zorilor	Retele	1250		Reducere CO2	15%	8
	Cazane	47		Reducere Cost	15%	
	Total 2030	1297				
CT Cuza Voda	Retele	750		Reducere CO2	15%	5
	Cazane	33		Reducere Cost	15%	
	Total 2030	783				
CT Abator	Retele	875		Reducere CO2	15%	5
	Cazane	29		Reducere Cost	15%	
	Total 2030	904				
CT Gruia	Retele	1250		Reducere CO2	15%	4
	Cazane	26		Reducere Cost	15%	
	Total 2030	1276				
CT 7 Grigorescu	Retele	1750		Reducere CO2	15%	4
	Cazane	25		Reducere Cost	15%	
	Total 2030	1775				
CT 9 Manastur	Retele	3000		Reducere CO2	15%	4
	Cazane	24		Reducere Cost	15%	
	Total 2030	3024				
CT Craiova	Retele	375		Reducere CO2	15%	4
	Cazane	23		Reducere Cost	15%	
	Total 2030	398				
CT 15 Gheorgheni	Retele	1125		Reducere CO2	15%	3
	Cazane	17		Reducere Cost	15%	
	Total 2030	1142				
CT Caragiale	Retele	250		Reducere CO2	15%	3
	Cazane	16		Reducere Cost	15%	
	Total 2030	266				
CT Cipariu	Retele	1000		Reducere CO2	15%	3
	Cazane	16		Reducere Cost	15%	
	Total 2030	1016				
CT 2 Pata	Retele	4625		Reducere CO2	15%	2
	Cazane	13		Reducere Cost	15%	
	Total 2030	4638				
CT 6 Grigorescu	Retele	1625		Reducere CO2	15%	2
	Cazane	10		Reducere Cost	15%	
	Total 2030	1635				
CT 8 Grigorescu	Retele	875		Reducere CO2	15%	2
	Cazane	10		Reducere Cost	15%	
	Total 2030	885				
CT 27 Manastur	Retele	2000		Reducere CO2	15%	1
	Cazane	6		Reducere Cost	15%	
	Total 2030	2006				
CT 18 Manastur	Retele	1125		Reducere CO2	15%	1
	Cazane	4		Reducere Cost	15%	
	Total 2030	1129				

CT > 200 ap	Retele	45375		Reducere CO2	15%	458
	Cazane	2737		Reducere Cost	15%	
	Total 2030	48112				
CT < 200 ap	Retele	35375		Reducere CO2	15%	121
	Cazane	731		Reducere Cost	15%	
	Total 2030	36106				
CTC	Retele	80750		Reducere CO2	15%	578
	Cazane	3468		Reducere Cost	15%	
	Total 2030	84218				

Centralizator emisii și costuri pentru centralele termice de cvartal

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CT 13 Gheorgheni	2511	2134	347	295
CT 4 Gheorgheni	2304	1959	318	271
CT Plopilor	2040	1734	282	240
CT 1 Manastur	1259	1070	174	148
CT 7 Manastur	1201	1020	166	141
CT Muncii	1197	1018	165	141
CT Govora	1178	1001	163	138
CT 2 Zorilor	1113	946	154	131
CT 6 Manastur	946	804	131	111
CT 24 Manastur	942	801	130	111
CT 1 Grigorescu	939	798	130	110
CT 11 Manastur	904	768	125	106
CT 14 Gheorgheni	897	763	124	105
CT 5 Zorilor	852	724	118	100
CT Taberei	823	700	114	97
CT 11 Grigorescu	768	653	106	90
CT M Viteazu	749	636	103	88
CT 15 AVS	736	625	102	86
CT Gr Manastur	726	617	100	85
CT 3 Grigorescu	610	518	84	72
CT 7 Zorilor	587	499	81	69
CT 22 Manastur	507	431	70	60
CT 26 Manastur	481	409	66	56
CT 10 Marasti	461	392	64	54
CT 6 Zorilor	413	351	57	49
CT 23 Manastur	397	337	55	47
CT 1 Zorilor	371	315	51	44
CT Cuza Voda	265	225	37	31
CT Abator	229	195	32	27
CT Gruia	207	176	29	24
CT 7 Grigorescu	197	167	27	23
CT 9 Manastur	190	162	26	22
CT Craiova	187	159	26	22
CT 15 Gheorgheni	132	112	18	16
CT Caragiale	129	110	18	15
CT Cipariu	126	107	17	15
CT 2 Pata	100	85	14	12
CT 6 Grigorescu	81	69	11	9
CT 8 Grigorescu	81	69	11	9
CT 27 Manastur	45	38	6	5
CT 18 Manastur	29	25	4	3
Total	27909	23723	3856	3278
Total >200	22084	18771	3051	2594
Total <200	5825	4951	805	684
Pondere reducere emisii CO2		15%		15%
Pondere reducere CO2 >200		15%		15%
Pondere reducere CO2 <200		15%		15%
Reducere cost anual energie				578
Reducere cost anual >200				458
Reducere cost anual <200				121

Centralizator sintetic pentru insulele de energie

Contur	Tehnologii	Valoare investiti	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
Insule energie	Retele	73875	2022-2025	Reducere CO2	15%	702
	Cazane	4255		Reducere Cost	15%	
	Total 2030	78130				

Centralizator investiții și efecte economice pentru insulele de energie

Contur	Tehnologii	Valoare investiții	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
Insula 4,5,9 Grigorescu	Retele	8000		Reducere CO2	15%	43
	Cazane	232		Reducere Cost	15%	
	Total 2030	8232				
Insula 1,2,3,8 Gheorgheni (IEG)	Retele	0		Reducere CO2	5%	24
	Cazane	413		Reducere Cost	5%	
	Total 2030	413				
Insula 5,6,7 Gheorgheni	Retele	6000		Reducere CO2	15%	78
	Cazane	442		Reducere Cost	15%	
	Total 2030					
Insula 9,10 Gheorgheni	Retele	5250		Reducere CO2	15%	44
	Cazane	241		Reducere Cost	15%	
	Total 2030	5491				
Insula 11,12 Gheorgheni	Retele	3375		Reducere CO2	15%	91
	Cazane	522		Reducere Cost	15%	
	Total 2030					
Insula 3,4 Zorilor	Retele	9750		Reducere CO2	15%	28
	Cazane	151		Reducere Cost	15%	
	Total 2030	9901				
Insula 2,3,4 Manastur	Retele	8125		Reducere CO2	15%	65
	Cazane	370		Reducere Cost	15%	
	Total 2030	8495				
Insula 5,20 Manastur	Retele	5875		Reducere CO2	15%	48
	Cazane	275		Reducere Cost	15%	
	Total 2030	6150				
Insula 8,10 Manastur	Retele	4375		Reducere CO2	15%	62
	Cazane	356		Reducere Cost	15%	
	Total 2030	4731				
Insula 12,13 Manastur	Retele	5500		Reducere CO2	15%	38
	Cazane	212		Reducere Cost	15%	
	Total 2030	5712				
Insula 14,15 Manastur	Retele	4625		Reducere CO2	15%	33
	Cazane	180		Reducere Cost	15%	
	Total 2030	4805				
Insula 16,17 Manastur	Retele	4125		Reducere CO2	15%	98
	Cazane	572		Reducere Cost	15%	
	Total 2030	4697				
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	15%	51
	Cazane	289		Reducere Cost	15%	
	Total 2030	9164				
Insule energie	Retele	73875		Reducere CO2	15%	702
	Cazane	4255		Reducere Cost	15%	
	Total 2030	78130				

Centralizator emisii și costuri pentru insulele de energie

Denumire	Emisii actuale t CO2	Emisii estimate t CO2	Cost actual mii €	Cost estimat mii €
Insula 4,5,9 Grigorescu	2098	1783	290	246
Insula 1,2,3,8 Gheorgheni (IEG)	3105	2950	483	459
Insula 5,6,7 Gheorgheni	3773	3207	521	443
Insula 9,10 Gheorgheni	2143	1821	296	252
Insula 11,12 Gheorgheni	4408	3747	609	518
Insula 3,4 Zorilor	1339	1138	185	157
Insula 2,3,4 Manastur	3127	2658	432	367
Insula 5,20 Manastur	2324	1975	321	273
Insula 8,10 Manastur	2969	2524	410	349
Insula 12,13 Manastur	1820	1547	251	214
Insula 14,15 Manastur	1572	1336	217	185
Insula 16,17 Manastur	4715	4008	651	554
Insula 1,3,4 Pata	2834	2409	337	287
Total	36227	31104	5005	4303
Pondere reducere emisii CO2		14%		14%
Reducere cost anual energie				702

Centralizator sintetic pentru CTZ

Contur	Tehnologii	Valoare investitii	Etapă	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ	Retele	43375	2022-2030	Reducere CO2	32%	401
Reconfigurat in ansamblu	Cazane	1792		Reducere Cost	19%	
Raportatat la componente	Total 2030	45167				
CTZ	Retele	43375	2022-2030	Reducere CO2	66%	832
Reconfigurat in ansamblu	Cazane	1792		Reducere Cost	33%	
Raportatat la CTZ actual	Total 2030	45167				

Centralizator investiții și efecte economice pentru CTZ

Contur	Tehnologii	Valoare investiții	Etapa	Efect tehnic	Valoare	Reducere cost anual energie
		mii €				mii €
CTZ Actual	Retele	0		Reducere CO2	0%	0
	Cazane	0		Reducere Cost	0%	
	Total 2030	0				
CTZ Reconfigurat	Retele	31250	2022-2025	Reducere CO2	35%	328
	Cazane	1364		Reducere Cost	20%	
	Total 2030	32614				
CTZ PT 26 Marasti	Retele	750		Reducere CO2	20%	15
	Cazane	92		Reducere Cost	15%	
	Total 2030	842				
CTZ PT Venus	Retele	500		Reducere CO2	20%	5
	Cazane	28		Reducere Cost	15%	
	Total 2030					
CTZ PT 11 Marasti	Retele	2000		Reducere CO2	20%	3
	Cazane	19		Reducere Cost	15%	
	Total 2030	2019				
Insula 1,3,4 Pata	Retele	8875		Reducere CO2	20%	287
	Cazane	289		Reducere Cost	15%	
	Total 2030	9164				
CTZ	Retele	43375		Reducere CO2	32%	401
	Reconfigurat in ansamblu	1792		Reducere Cost	19%	
Raportatat la componente	Total 2030	45167				
CTZ	Retele	43375		Reducere CO2	66%	832
Reconfigurat in ansamblu	Cazane	1792		Reducere Cost	33%	
Raportatat la CTZ actual	Total 2030	45167				

Centralizator emisii și costuri pentru CTZ

Denumire	Emisii actuale	Emisii estimate	Cost actual	Cost estimat
	t CO2	t CO2	mii €	mii €
CTZ Actual	30881	30881	2560	2560
CTZ Reconfigurat	19139	12440	1640	1312
CTZ PT 26 Marasti	794	635	100	85
CTZ PT Venus	241	193	30	26
CTZ PT 11 Marasti	167	134	21	18
Insula 1,3,4 Pata	2834	2268	337	287
Total	23177	15671	2129	1727
Pondere reducere emisii CO2		32%		19%
Pondere reducere emisii CO2 (fata de CTZ Actual)		66%		33%
Reducere cost annual energie				401
Reducere cost annual energie (fata de CTZ Actual)				832