# Index

## A
- Annual cogeneration factor, 15, 41
- Annual exploitation cost, 8
- Annual net production of electricity in a CHP plant, 11
- Annual net production of heat in a CHP plant, 11
- Annual profit, 75
- Annual rate of fixed cost, 11
- Annual revenue, 8

## C
- Certificates, 29
- Charges on the use of the environment, 17
- Chemical energy of coal, 46
- Chemical energy of fuel, 12
- Chemical energy of gas, 46
- CHP plant, 1, 6, 9, 15, 34, 41, 50, 56, 60, 65
- Clausius-Rankine cycle, 41, 42
- CO₂ emission, 5, 11, 17
- Cogeneration, 12
- Controls representing variable electricity, fuel prices, etc., 11
- Cost of heat production, 17
- Cost of maintenance and overhauls, 12

## D
- Depreciation rate, 8, 9, 52
- Directive 2004/8/EC, 3
- Discount rate, 8
- DPBP, 1, 5, 8, 10, 13, 14
- Duration of off-peak, 16
- Duration of the heating season, 16

## E
- Economic effectiveness, 35, 49
- Economic optimization, 49
- Emission per unit, 11
- Energy balance of a CHP plant, 44, 46
- Exponential values, 11

## F
- Financial cost, 12

## G
- Gross efficiency of heat and electricity production, 45, 47

## I
- In an in-parallel system, 44, 48
- In an in-series system, 44, 48
- Installment for loan repayment, 8
- Interest rates, 78
- Investment in modernization, 51
- IPP, 55
- IRR, 1, 5, 8, 10, 13, 14, 65

## M
- Market value, 57, 60, 67
- Modernization, 50

## N
- NPV, 1, 5, 8, 10, 34, 35, 61

## O
- Off-peak season, 16
- Optimum investment strategy, 15
P
Peak season, 16
Primary energy saving, 3, 29

R
Revenues, 39

S
Specific cost of heat production, 16, 18, 37
Specific electricity price, 50

V
Value of heat, 16

Specific heat price, 50
Specific price of electricity, 16
Specific tariff charges, 11, 12
Sufficient condition, 51
Systems coupled in-parallel, 42
Systems coupled in-series, 42