

Anexa 1 : Modelarea prețului pentru ofertarea în piața liberă folosind metoda back to back

| Date client : nume, judet | categ cons | distribuitor | | | | | | | | | | |
|---------------------------------------|-------------------|-------------------|-----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Perioada contractuala - x luni | luna start | luna final | | | | | | | | | | |
| Discount intern (RON/MWh) | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere |
| Discount extern (USD/MWh) | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere | val reducere |
| Consum lunar maxim (MWh) | CR | | | | | | | | | | | |
| Nr.zile in luna de consum maxim | $X_{max}(l/an)$ | | | | | | | | | | | |
| Costuri operationale (RON/MWh) | Mp | RON | DGS | | import | | | | | | | |
| | | | PCS (KWh/mc) | PCS (KWh/mc) | | | | | | | | |
| | | | val pcs zona | val pcs imp | | | | | | | | |

A) SIMULARE PT CLIENT

| | luna 1 | luna 2 | luna 3 | luna 4 | luna 5 | luna 6 | luna 7 | luna 8 | luna 9 | luna 10 | luna 11 | luna 12 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Pgaze intern (RON/MWh) = P_i | P_i | P_i | P_i | P_i | P_i | P_i | P_i | P_i | P_i | P_i | P_i | P_i |
| Pgaze intern - discount(RON/MWh) = P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} | P_{i-d} |
| %Basket intern = $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ | $\%B_i$ |
| Pgaze extern (USD/MWh la 15 grade C) = P_e | P_e | P_e | P_e | P_e | P_e | P_e | P_e | P_e | P_e | P_e | P_e | P_e |
| Pgaze extern - discount(USD/MWh la 15 grade C) = P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} | P_{e-d} |
| Pgaze naturale (RON/MWh) = P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} | P_{fD} |
| $P_o = P_0$ | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 |
| Coefficient 1 = C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 | C_1 |
| Coefficient 2 = C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 | C_2 |
| %Basket extern = $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ | $\%B_e$ |
| DVI (RON/USD) = DVI | DVI | DVI | DVI | DVI | DVI | DVI | DVI | DVI | DVI | DVI | DVI | DVI |
| LSFO = $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ | $LSFO$ |
| GO = GO | GO | GO | GO | GO | GO | GO | GO | GO | GO | GO | GO | GO |
| Tarif Distributie (RON/MWh) = T_d | T_d | T_d | T_d | T_d | T_d | T_d | T_d | T_d | T_d | T_d | T_d | T_d |
| Tarif transport-componenta rezervare capacitate = T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} | T_{tc} |
| Tarif transport volumetric = T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} | T_{tv} |
| Tarif transport(RON/MWh) = C_t | C_t | C_t | C_t | C_t | C_t | C_t | C_t | C_t | C_t | C_t | C_t | C_t |
| Consum lunar maxim dintr-un an (MWh) = C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R |
| Nr. zile in luna de consum maxim = z | z | z | z | z | z | z | z | z | z | z | z | z |
| Ore/zi = 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 | 24,00 |
| Capacitatea rezervata (MWh/ora) = C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R | C_R |
| Consum luna curenta (MWh) = x | x | x | x | x | x | x | x | x | x | x | x | x |
| Nr. de zile ale lunii curente = z | z | z | z | z | z | z | z | z | z | z | z | z |
| Costuri operationale (RON/MWh) = M_p | M_p | M_p | M_p | M_p | M_p | M_p | M_p | M_p | M_p | M_p | M_p | M_p |
| Pret formula = P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} | P_{pl} |
| Pret reglementat = P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} | P_{reg} |
| Pret formula-Pret reglem (%) $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ |
| Pret formula-Pret reglem (RON/MWh) $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ | $P_{pl} - P_{reg}$ |
| Discount unitar mediu (%/MWh) calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat |
| Rezultat total client (RON) calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat | calculat |