

SEFIR

DELEGATION DU SERVICE PUBLIC DE PRODUCTION ET DE DISTRIBUTION DE CHAUFFAGE URBAIN

Avenant n°4

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|--|
| TARIF DE VENTE (HTVA) Tranche Conditionnelle pour le mois de : SEPTEMBRE 2015 |
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| | | | |
|----------------------------------|---|-------|------------|
| <u>1- Eléments proportionnel</u> | | | |
| R1c ENERGIE | = | 34,51 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE | = | 3,45 | € HT / M3 |
| <u>2- Eléments fixe</u> | | | |
| R2 PRESTATIONS | = | 22,91 | € HT / Kw |
| R3' ENTRETIEN CENTRALE ET S/ST | = | 1,81 | € HT / Kw |
| R3" ENTRETIEN RESEAU | = | 1,09 | € HT / Kw |
| R4' AMORTISSEMENT TRAVAUX | = | 16,11 | € HT / Kw |
| R5 EXTENSIONS DU RESEAU | = | 2,52 | € HT/Kw |
| TOTAL R2 | | 44,43 | € HT/Kw |

SEFIR

JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **SEPTEMBRE 2015**

| VALEURS DE BASE DES INDICES | | INDICES CONNUS AU : 30/06/2015 | | TARIF DE BASE TRANCHE FERME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|-----------|--|--|--|--|--|--|--------|----------|--|----------|---|------|-------|----------------------------|-----|---|-------|-------|----------------------------|-------|---|-------|-------|--------------------------|------|---|-------|-------|----------------------------|-------|--|--|--|--|--------------------|--|--|------|----------------------------|--|--|--------|--|--|
| EMT | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351102 - coefficient de raccordement 1) | = 160,30 | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> <th></th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>9,0%</td> <td>20,44</td> <td>date de valeur 01 mai 2014</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>16,0%</td> <td>49,27</td> <td>date de valeur 01 mai 2014</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>12,0%</td> <td>55,81</td> <td>date de valeur sept 2010</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>63,0%</td> <td>28,39</td> <td>date de valeur 01 mai 2014</td> </tr> <tr> <td>Autre</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>R1 CO₂</td> <td></td> <td></td> <td>0,18</td> <td>date de valeur 01 mai 2014</td> </tr> <tr> <td colspan="2"></td> <td>100,0%</td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | Coef % | Val base | | Gaz cogé | a | 9,0% | 20,44 | date de valeur 01 mai 2014 | Gaz | b | 16,0% | 49,27 | date de valeur 01 mai 2014 | Fioul | c | 12,0% | 55,81 | date de valeur sept 2010 | Bois | d | 63,0% | 28,39 | date de valeur 01 mai 2014 | Autre | | | | | R1 CO ₂ | | | 0,18 | date de valeur 01 mai 2014 | | | 100,0% | | |
| | | Coef % | Val base | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gaz cogé | a | 9,0% | 20,44 | date de valeur 01 mai 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gaz | b | 16,0% | 49,27 | date de valeur 01 mai 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fioul | c | 12,0% | 55,81 | date de valeur sept 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bois | d | 63,0% | 28,39 | date de valeur 01 mai 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Autre | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R1 CO ₂ | | | 0,18 | date de valeur 01 mai 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 100,0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOD | = 247,78 | FOD | = 230,64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICHT-IME | = 100,90 | ICHT-IME | = 115,10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICHT rev TS | = 100,90 | ICHTrev TS | = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IT "date de valeur 01 mai 2014" | = 136,22 | IT | = 128,19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A38CC | = 101,30 | A38CC | = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FSD1 "date de valeur 01 mai 2014" | = 129,60 | FSD1 | = 124,40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FSD1 | = 118,10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FSD2 | = 117,10 | FSD2 | = 123,60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BT40 | = 952,30 | BT40 | = 1030,86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G0 "date de valeur 01 mai 2014" | = 34,70 | G | = 34,25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BT40 (révision R1 cogé) | = 1019,80 | BT40 | = 1030,86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICEEB-PF "date de valeur 01 mai 2014" | = 112,60 | ICEEB-PF | = 118,30 | 2 ^{ème} trimestre 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICEEB-CLA "date de valeur 01 mai 2014" | = 131,50 | ICEEB-CLA | = 140,70 | 2 ^{ème} trimestre 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CALCUL TERME R1

R1c = a x R1cogé + b x R1gaz + c x R1fioul + d x R1bois + e x R1autres

| | | | | | | | | | | | | | | | |
|----------|---------|---|--|-------|--------------|-------|------|--|-------|--------------|---|-------|--------|---|--------------|
| R1Gaz = | R1Gazo | x | $\frac{G}{G_0}$ | | R1Gaz= | 49,27 | x | $\left(\frac{34,252}{34,700} \right)$ | = | 48,63 | | | | | |
| R1FOD = | R1Fodo | x | $\frac{Fod}{Fodo}$ | | R1FOD= | 55,81 | x | $\frac{230,64}{247,78}$ | = | 51,95 | | | | | |
| R1cogé = | R1cogéo | x | (0,10 + 0,65 x $\frac{G}{G_0}$ + 0,10 x $\frac{BT40}{BT40_0}$ + 0,15 x $\frac{FSD1}{FSD1_0}$) | | | | | | | | | | | | |
| R1cogé = | 20,44 | x | (0,10 + 0,65 x $\frac{34,252}{34,700}$ + 0,10 x $\frac{1030,86}{1019,80}$ + 0,15 x $\frac{124,40}{129,60}$) | = | 20,17 | | | | | | | | | | |
| R1bois = | R1Boiso | x | (0,15 + 0,15 x $\frac{IT}{IT_0}$ + 0,30 x $\frac{ICEEB-PF}{ICEEB-PF_0}$ + 0,4 x $\frac{ICEEB-CLA}{ICEEB-CLA_0}$) | | | | | | | | | | | | |
| R1bois = | 28,39 | x | (0,15 + 0,15 x $\frac{128,190}{136,220}$ + 0,30 x $\frac{118,30}{112,60}$ + 0,4 x $\frac{140,70}{131,50}$) | = | 29,36 | | | | | | | | | | |
| R1Mwh = | 16% | x | 48,63 | + 12% | x | 51,95 | + 9% | x | 20,17 | + 63% | x | 29,36 | + 0,18 | = | 34,51 |
| R1m3= | 3,45 | | | | | | | | | | | | | | |

CALCUL TERME R2

| | | | | | | | | | | |
|------|-------|---|---|---|--------------|--|--|--|--|--|
| R2 = | R2o | x | (0,1 + 0,1 $\frac{EMT}{EMT_0}$ + 0,45 $\frac{ICHT-IME}{ICHT-IME_0}$ + 0,35 $\frac{FSD1}{FSD1_0}$) | | | | | | | |
| R2 = | 20,47 | x | (0,1 + 0,1 $\frac{160,30}{116,90}$ + 0,45 $\frac{115,10}{100,90}$ + 0,35 $\frac{124,40}{118,10}$) | = | 22,91 | | | | | |

CALCUL TERME R3'

| | | | | | | | | | | |
|-------|------|---|---|---|-------------|--|--|--|--|--|
| R3' = | R3'o | x | (0,15 + 0,3 $\frac{ICHT-IME}{ICHT-IME_0}$ + 0,55 $\frac{BT40}{BT40_0}$) | | | | | | | |
| R3' = | 1,66 | x | (0,15 + 0,3 $\frac{115,10}{100,90}$ + 0,55 $\frac{1030,86}{952,30}$) | = | 1,81 | | | | | |

CALCUL TERME R3"

| | | | | | | | | | | |
|------|------|---|---|---|-------------|--|--|--|--|--|
| R3 = | R3'o | x | (0,15 + 0,3 $\frac{ICHT-IME}{ICHT-IME_0}$ + 0,55 $\frac{BT40}{BT40_0}$) | | | | | | | |
| R3 = | 1 | x | (0,15 + 0,3 $\frac{115,10}{100,90}$ + 0,55 $\frac{1030,86}{952,30}$) | = | 1,09 | | | | | |

CALCUL TERME R4' TC

| | | | | | | | | | | |
|-------|-------|---|---|---|--------------|--|---|--|--|--|
| R4' = | R4'o | x | (0,1 + 0,6 $\frac{BT40}{BT40_0}$ + 0,3 $\frac{ICHT-IME}{ICHT-IME_0}$) | | | | | | | |
| R4' = | 14,98 | x | (0,1 + 0,6 $\frac{1030,86}{952,30}$ + 0,3 $\frac{115,10}{100,90}$) | = | 16,11 | | Actualisation à la mise en service | | | |

CALCUL TERME R5

| | | | | | | | | | | |
|------|------|---|---|---|-------------|--|--|--|--|--|
| R5 = | R5o | x | (0,1 + 0,6 $\frac{BT40}{BT40_0}$ + 0,3 $\frac{ICHT-IME}{ICHT-IME_0}$) | | | | | | | |
| R5 = | 2,31 | x | (0,1 + 0,6 $\frac{1030,86}{952,30}$ + 0,3 $\frac{115,10}{100,90}$) | = | 2,52 | | | | | |

Valeur en mai 2014

| | | Contrats 2014 - 2015 | | | | Mis à jour tarif mois n | | | |
|----------------------------|------------------|----------------------|--------|--------|--------------|-------------------------|--------|--------|--------------|
| | | LV | FT | FB | Global av4 | LV | FT | FB | Mois n |
| Conso | MWh PCS | 28 672 | 7 700 | 3 650 | 40 022 | 28 672 | 7 700 | 3 650 | 40 022 |
| PEG NORD_MA | €/MWh pcs | 21,13 | 21,13 | 21,13 | 21,13 | 19,46 | 19,46 | 19,46 | 19,46 |
| Prix fournisseur | €/MWh pcs | 2,81 | 0,77 | 0,77 | 2,23 | 3,60 | 0,77 | 0,77 | 2,80 |
| Terme variable | €/MWh pcs | 0,76 | 5,28 | 5,28 | 2,04 | 0,79 | 5,65 | 5,65 | 2,17 |
| Stockage | €/MWh pcs | 2,04 | 1,78 | 1,78 | 1,97 | 2,04 | 1,78 | 1,78 | 1,97 |
| Prix de ma molécule | €/MWh pcs | | | | 27,37 | | | | 26,39 |
| TSS | €/MWh pcs | 0,2 | 0,2 | 0,2 | 0,20 | 0,2 | 0,2 | 0,2 | 0,20 |
| Biométhane | €/MWh pcs | 0,0072 | 0,0072 | 0,0072 | 0,01 | 0,0153 | 0,0153 | 0,0153 | 0,02 |
| TICGN | €/MWh pcs | 1,19 | 1,19 | 1,27 | 1,20 | 1,19 | 1,19 | 2,64 | 1,32 |
| Taxes | €/MWh pcs | | | | 1,41 | | | | 1,54 |

| | | 183 409 | 36 092 | 17 590 | 237 091 | 194 437 | 39 541 | 19 206 | 253 184 |
|-----------------------|---|---------|--------|--------|-------------|----------|--------|--------|-------------|
| Terme fixe | € | | | | | | | | |
| TCS | | 89,32 | 89,32 | 89,32 | | 93,75 | 93,75 | 93,75 | |
| TCR | | 64,42 | 64,42 | 64,42 | | 67,61 | 67,61 | 67,61 | |
| NTR | | 2 | 2 | 2 | | 2 | 2 | 2 | |
| TCL | | 33,92 | 33,92 | 33,92 | | 35,61 | 35,61 | 35,61 | |
| CJn | | 340 | 133,50 | 63,40 | | 340 | 139,55 | 66,15 | |
| AbtD | | 14296,8 | 707,64 | 707,64 | | 15295,56 | 728,4 | 728,4 | |
| Nb_PCE | | 1 | 1 | 1 | | 1 | 1 | 1 | |
| TSACJ | | 186 | | | | 199,08 | | | |
| taux CTA transport | | 0,0471 | 0,0471 | 0,0471 | | 0,0471 | 0,0471 | 0,0471 | |
| taux CTA distribution | | 0,208 | 0,208 | 0,208 | | 0,208 | 0,208 | 0,208 | |
| Terme fixe | | | | | 5,92 | | | | 6,33 |

= variation mensuelle
 = variation annuelle
 = variation selon contrat d'appro

G0 34,7

$$G = G0 (Peg-Peg0) + (Taxe-taxe0) + (Prime fixe-Prime fixe0) / MWh \text{ gaz}$$

G 34,25