

# SEFIR

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

**TARIF DE VENTE (HTVA)**  
**Tranche Conditionnelle**  
pour le mois de : **JANVIER 2013**

### 1- Eléments proportionnel

|                         |   |       |            |
|-------------------------|---|-------|------------|
| R1c ENERGIE             | = | 47,28 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE | = | 4,73  | € HT / M3  |

### 2- Eléments fixe

|                                 |   |       |           |
|---------------------------------|---|-------|-----------|
| R2 PRESTATIONS                  | = | 20,30 | € HT / Kw |
| R23' ENTRETIEN CENTRALE ET S/ST | = | 1,82  | € HT / Kw |
| R23" ENTRETIEN RESEAU           | = | 2,18  | € HT / Kw |
| R24' AMORTISSEMENT TRAVAUX      | = | 5,58  | € HT / Kw |
| R24" AMORTISSEMENT ETUDES       |   | 1,34  | € HT/Kw   |

**TOTAL R2**

**31,22 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **JANVIER 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 31/01/2013                                                           |              | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
|-----------------------------|----------|------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|--------------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1) | = 141,20     | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td><b>45,70</b></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | <b>45,70</b> |
|                             |          | Coef %                                                                                   | Val base     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz cogé                    | a        | 12%                                                                                      | 31,95        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz                         | b        | 85%                                                                                      | 54,29        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Fioul                       | c        | 3%                                                                                       | 57,47        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Bois                        | d        | 0                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Autres                      | e        | 0                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz dérégulé                |          |                                                                                          | -6           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| R1 o                        |          | 100                                                                                      | <b>45,70</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FOD                         | = 247,78 | FOD                                                                                      | = 343,78     | <p>1<sup>ème</sup> trimestre 2013</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                 | = 110,90     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                               | = 110,90     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| IT                          | = 128,10 | IT                                                                                       | = 136,03     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| A38CC                       | = 101,30 | A38CC                                                                                    | = 103,20     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD1                        | = 118,10 | FSD1                                                                                     | = 132,30     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD2                        | = 125,50 | FSD2                                                                                     | = 128,20     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40                        | = 952,30 | BT40                                                                                     | = 1010,60    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| CRE                         | = 27,745 | CRE                                                                                      | = 29,901     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                     | = 1010,60    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |

**CALCUL TERME R1**

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \quad R1Gaz = 54,29 \times \left( \frac{29,901}{27,745} \right) = 58,509$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo} \quad R1FOD = 57,47 \times \frac{343,78}{247,78} = 79,74$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{29,901}{27,745} + 0,10 \times \frac{1010,60}{990,60} + 0,15 \times \frac{128,20}{125,50} \right) = 33,73$$

$$R1Mwh = 85\% \times 58,51 + 3\% \times 79,74 + 12\% \times 33,73 - 8,89 = 47,28$$

$$R1m3 = 4,73$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IMI}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{141,20}{116,90} + 0,45 \times \frac{110,90}{100,90} + 0,35 \times \frac{132,30}{118,10} \right) = 20,30$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{110,90}{100,90} + 0,55 \times \frac{1010,60}{952,30} \right) = 1,82$$

**CALCUL TERME R3''**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{110,90}{100,90} + 0,55 \times \frac{1010,60}{952,30} \right) = 2,18$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1010,6}{952,30} + 0,3 \times \frac{110,90}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.

# SEFIR

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

**TARIF DE VENTE (HTVA)**  
**Tranche Conditionnelle**  
pour le mois de : **FEVRIER 2013**

### 1- Eléments proportionnel

|                         |   |       |            |
|-------------------------|---|-------|------------|
| R1c ENERGIE             | = | 47,33 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE | = | 4,73  | € HT / M3  |

### 2- Eléments fixe

|                                 |   |       |           |
|---------------------------------|---|-------|-----------|
| R2 PRESTATIONS                  | = | 20,27 | € HT / Kw |
| R23' ENTRETIEN CENTRALE ET S/ST | = | 1,82  | € HT / Kw |
| R23" ENTRETIEN RESEAU           | = | 2,18  | € HT / Kw |
| R24' AMORTISSEMENT TRAVAUX      | = | 5,58  | € HT / Kw |
| R24" AMORTISSEMENT ETUDES       |   | 1,34  | € HT/Kw   |

|                 |  |              |                |
|-----------------|--|--------------|----------------|
| <b>TOTAL R2</b> |  | <b>31,18</b> | <b>€ HT/Kw</b> |
|-----------------|--|--------------|----------------|

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **FEVRIER 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 28/02/2013                                                            |           | TARIF DE BASE TRANCHE FERME |  |  |  |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|-----------|-----------------------------|--|--|--|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1 ) | = 141,20  |                             |  |  |  |
| FOD                         | = 247,78 | FOD                                                                                       | = 351,34  |                             |  |  |  |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 110,90  |                             |  |  |  |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 110,90  |                             |  |  |  |
| IT                          | = 128,10 | IT                                                                                        | = 138,59  |                             |  |  |  |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10  |                             |  |  |  |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 131,70  |                             |  |  |  |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 127,80  |                             |  |  |  |
| BT40                        | = 952,30 | BT40                                                                                      | = 1008,70 |                             |  |  |  |
| CRE                         | = 27,745 | CRE                                                                                       | = 29,901  |                             |  |  |  |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1008,70 |                             |  |  |  |

|              |   | Coef % | Val base     |
|--------------|---|--------|--------------|
| Gaz cogé     | a | 12%    | 31,95        |
| Gaz          | b | 85%    | 54,29        |
| Fioul        | c | 3%     | 57,47        |
| Bois         | d | 0      |              |
| Autres       | e | 0      |              |
| Gaz dérégulé |   |        | -6           |
| R1 o         |   | 100    | <b>45,70</b> |

1<sup>ème</sup> trimestre 2013

## CALCUL TERME R1

$$R1c = a \times R1cogé + b \times R1gaz + c \times R1fioul + d \times R1bois + e \times R1autres$$

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left\{ \begin{array}{l} R1Gaz = 54,29 \times \left( \frac{29,901}{27,745} \right) = 58,509 \\ R1FOD = 57,47 \times \frac{351,34}{247,78} = 81,49 \end{array} \right.$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo}$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{29,901}{27,745} + 0,10 \times \frac{1008,70}{990,60} + 0,15 \times \frac{127,80}{125,50} \right) = 33,71$$

$$R1Mwh = 85\% \times 58,51 + 3\% \times 81,49 + 12\% \times 33,71 - 8,89 = 47,33$$

$$R1m3 = 4,73$$

## CALCUL TERME R2

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{141,20}{116,90} + 0,45 \times \frac{110,90}{100,90} + 0,35 \times \frac{131,70}{118,10} \right) = 20,27$$

## CALCUL TERME R3'

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{110,90}{100,90} + 0,55 \times \frac{1008,70}{952,30} \right) = 1,82$$

## CALCUL TERME R3''

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{110,90}{100,900} + 0,55 \times \frac{1008,70}{952,30} \right) = 2,18$$

## CALCUL TERME R4' TC

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1008,7}{952,30} + 0,3 \times \frac{110,90}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.

# SEFIR

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

**TARIF DE VENTE (HTVA)**  
**Tranche Conditionnelle**  
pour le mois de : **MARS 2013**

### 1- Eléments proportionnel

|                         |   |       |            |
|-------------------------|---|-------|------------|
| R1c ENERGIE             | = | 47,41 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE | = | 4,74  | € HT / M3  |

### 2- Eléments fixe

|                                 |   |       |           |
|---------------------------------|---|-------|-----------|
| R2 PRESTATIONS                  | = | 20,39 | € HT / Kw |
| R23' ENTRETIEN CENTRALE ET S/ST | = | 1,82  | € HT / Kw |
| R23" ENTRETIEN RESEAU           | = | 2,18  | € HT / Kw |
| R24' AMORTISSEMENT TRAVAUX      | = | 5,58  | € HT / Kw |
| R24" AMORTISSEMENT ETUDES       |   | 1,34  | € HT/Kw   |

|                 |  |              |                |
|-----------------|--|--------------|----------------|
| <b>TOTAL R2</b> |  | <b>31,31</b> | <b>€ HT/Kw</b> |
|-----------------|--|--------------|----------------|

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **MARS 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 31/03/2013                                                            |           | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|-------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1 ) | = 146,40  | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td>45,70</td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | 45,70 |
|                             |          | Coef %                                                                                    | Val base  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Gaz cogé                    | a        | 12%                                                                                       | 31,95     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Gaz                         | b        | 85%                                                                                       | 54,29     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Fioul                       | c        | 3%                                                                                        | 57,47     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Bois                        | d        | 0                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Autres                      | e        | 0                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Gaz dérégulé                |          |                                                                                           | -6        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| R1 o                        |          | 100                                                                                       | 45,70     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| FOD                         | = 247,78 | FOD                                                                                       | = 361,73  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 110,90  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 110,90  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| IT                          | = 128,10 | IT                                                                                        | = 139,63  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 132,50  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 128,50  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| BT40                        | = 952,30 | BT40                                                                                      | = 1009,80 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| CRE                         | = 27,745 | CRE                                                                                       | = 29,901  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1009,80 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |

1<sup>ème</sup> trimestre 2013**CALCUL TERME R1**

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left. \vphantom{\frac{CRE_{2012}}{CRE_{2012-0}}} \right\} R1Gaz = 54,29 \times \left( \frac{29,901}{27,745} \right) = 58,509$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo} \left. \vphantom{\frac{Fod}{Fodo}} \right\} R1FOD = 57,47 \times \frac{361,73}{247,78} = 83,90$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{29,901}{27,745} + 0,10 \times \frac{1009,80}{990,60} + 0,15 \times \frac{128,50}{125,50} \right) = 33,74$$

$$R1mwh = 85\% \times 58,51 + 3\% \times 83,90 + 12\% \times 33,74 - 8,89 = 47,41$$

$$R1m3 = 4,74$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{146,40}{116,90} + 0,45 \times \frac{110,90}{100,90} + 0,35 \times \frac{132,50}{118,10} \right) = 20,39$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{110,90}{100,90} + 0,55 \times \frac{1009,80}{952,30} \right) = 1,82$$

**CALCUL TERME R3''**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{110,90}{100,90} + 0,55 \times \frac{1009,80}{952,30} \right) = 2,18$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1009,8}{952,30} + 0,3 \times \frac{110,90}{100,90} \right) = 5,58 \quad \text{Pas d'actualisation dans le contrat.}$$

# SEFIR

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

### TARIF DE VENTE (HTVA) Tranche Conditionnelle

pour le mois de : **AVRIL 2013**

#### 1- Eléments proportionnel

R1c ENERGIE = 45,03 € HT / MWh

R1 EAU CHAUDE SANITAIRE = 4,50 € HT / M3

#### 2- Eléments fixe

R2 PRESTATIONS = 20,53 € HT / Kw

R23' ENTRETIEN CENTRALE ET S/ST = 1,82 € HT / Kw

R23" ENTRETIEN RESEAU = 2,18 € HT / Kw

R24' AMORTISSEMENT TRAVAUX = 5,58 € HT / Kw

R24" AMORTISSEMENT ETUDES 1,34 € HT/Kw

**TOTAL R2**

**31,45 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **AVRIL 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 30/04/2013                                                            |              | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|--------------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1 ) | = 146,40     | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td><b>45,70</b></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | <b>45,70</b> |
|                             |          | Coef %                                                                                    | Val base     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz cogé                    | a        | 12%                                                                                       | 31,95        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz                         | b        | 85%                                                                                       | 54,29        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Fioul                       | c        | 3%                                                                                        | 57,47        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Bois                        | d        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Autres                      | e        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz dérégulé                |          |                                                                                           | -6           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| R1 o                        |          | 100                                                                                       | <b>45,70</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FOD                         | = 247,78 | FOD                                                                                       | = 351,70     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 111,60     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 111,60     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| IT                          | = 128,10 | IT                                                                                        | = 138,72     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 133,90     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 129,30     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40                        | = 952,30 | BT40                                                                                      | = 1009,80    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| CRE                         | = 27,745 | CRE                                                                                       | = 28,582     | 2ème trimestre 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1009,80    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |

**CALCUL TERME R1**

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

$$\begin{aligned}
 R1Gaz &= R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left. \begin{array}{l} \\ \\ \\ \\ \end{array} \right\} R1Gaz = 54,29 \times \left( \frac{28,582}{27,745} \right) = 55,928 \\
 R1FOD &= R1Fodo \times \frac{Fod}{Fodo} \left. \begin{array}{l} \\ \\ \\ \\ \end{array} \right\} R1FOD = 57,47 \times \frac{351,70}{247,78} = 81,57 \\
 R1cogé &= R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right) \\
 R1cogé &= 31,95 \times \left( 0,10 + 0,65 \times \frac{28,582}{27,745} + 0,10 \times \frac{1009,80}{990,60} + 0,15 \times \frac{129,30}{125,50} \right) = 32,78 \\
 R1mwh &= 85\% \times 55,93 + 3\% \times 81,57 + 12\% \times 32,78 - 8,89 = 45,03 \\
 R1m3 &= 4,50
 \end{aligned}$$

**CALCUL TERME R2**

$$\begin{aligned}
 R2 &= R2o \times \left( 0,1 + 0,1 \frac{EMT}{EMTo} + 0,45 \frac{ICHT-IMI}{ICHT-IMEo} + 0,35 \frac{FSD1}{FSD1o} \right) \\
 R2 &= 18,33 \times \left( 0,1 + 0,1 \frac{146,40}{116,90} + 0,45 \frac{111,60}{100,90} + 0,35 \frac{#####}{#####} \right) = 20,53
 \end{aligned}$$

**CALCUL TERME R3'**

$$\begin{aligned}
 R3' &= R3'o \times \left( 0,15 + 0,3 \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \frac{BT40}{BT40o} \right) \\
 R3' &= 1,71 \times \left( 0,15 + 0,3 \frac{111,60}{100,90} + 0,55 \frac{1009,80}{952,30} \right) = 1,82
 \end{aligned}$$

**CALCUL TERME R3''**

$$\begin{aligned}
 R3 &= R3'o \times \left( 0,15 + 0,3 \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \frac{BT40}{BT40o} \right) \\
 R3 &= 2,05 \times \left( 0,15 + 0,3 \frac{111,60}{100,90} + 0,55 \frac{1009,80}{952,30} \right) = 2,18
 \end{aligned}$$

**CALCUL TERME R4' TC**

$$\begin{aligned}
 R4' &= R4'o \times \left( 0,1 + 0,6 \frac{BT40}{BT40o} + 0,3 \frac{ICHT-IME}{ICHT-IMEo} \right) \\
 R4' &= 5,58 \times \left( 0,1 + 0,6 \frac{1009,8}{952,30} + 0,3 \frac{111,60}{100,90} \right) = 5,58 \quad \text{Pas d'actualisation dans le contrat.}
 \end{aligned}$$



# SEFIR

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

### TARIF DE VENTE (HTVA) Tranche Conditionnelle

pour le mois de : **MAI 2013**

#### 1- Eléments proportionnel

R1c ENERGIE = 44,92 € HT / MWh

R1 EAU CHAUDE SANITAIRE = 4,49 € HT / M3

#### 2- Eléments fixe

R2 PRESTATIONS = 20,57 € HT / Kw

R23' ENTRETIEN CENTRALE ET S/ST = 1,83 € HT / Kw

R23" ENTRETIEN RESEAU = 2,19 € HT / Kw

R24' AMORTISSEMENT TRAVAUX = 5,58 € HT / Kw

R24" AMORTISSEMENT ETUDES 1,34 € HT/Kw

**TOTAL R2**

**31,51 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **MAI 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 31/05/2013                                                           |           | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
|-----------------------------|----------|------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|-------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1) | = 146,40  | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td>45,70</td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | 45,70 |
|                             |          | Coef %                                                                                   | Val base  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Gaz cogé                    | a        | 12%                                                                                      | 31,95     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Gaz                         | b        | 85%                                                                                      | 54,29     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Fioul                       | c        | 3%                                                                                       | 57,47     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Bois                        | d        | 0                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Autres                      | e        | 0                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| Gaz dérégulé                |          |                                                                                          | -6        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| R1 o                        |          | 100                                                                                      | 45,70     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| FOD                         | = 247,78 | FOD                                                                                      | = 334,57  | <p style="text-align: center;">2ème trimestre 2013</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                 | = 111,60  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                               | = 111,60  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| IT                          | = 128,10 | IT                                                                                       | = 136,81  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| A38CC                       | = 101,30 | A38CC                                                                                    | = 103,10  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| FSD1                        | = 118,10 | FSD1                                                                                     | = 134,70  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| FSD2                        | = 125,50 | FSD2                                                                                     | = 130,00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| BT40                        | = 952,30 | BT40                                                                                     | = 1018,10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| CRE                         | = 27,745 | CRE                                                                                      | = 28,582  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                     | = 1018,10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |       |

**CALCUL TERME R1**

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left. \vphantom{\frac{CRE_{2012}}{CRE_{2012-0}}} \right\} R1Gaz = 54,29 \times \left( \frac{28,582}{27,745} \right) = 55,928$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo} \left. \vphantom{\frac{Fod}{Fodo}}} \right\} R1FOD = 57,47 \times \frac{334,57}{247,78} = 77,60$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{28,582}{27,745} + 0,10 \times \frac{1018,10}{990,60} + 0,15 \times \frac{130,00}{125,50} \right) = 32,84$$

$$R1Mwh = 85\% \times 55,93 + 3\% \times 77,60 + 12\% \times 32,84 - 8,89 = 44,92$$

$$R1m3 = 4,49$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IMI}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{146,40}{116,90} + 0,45 \times \frac{111,60}{100,90} + 0,35 \times \frac{134,70}{118,10} \right) = 20,57$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{111,60}{100,90} + 0,55 \times \frac{1018,10}{952,30} \right) = 1,83$$

**CALCUL TERME R3"**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{111,60}{100,900} + 0,55 \times \frac{1018,10}{952,30} \right) = 2,19$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1018,1}{952,30} + 0,3 \times \frac{111,60}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.

# SEFIR

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

### TARIF DE VENTE (HTVA) Tranche Conditionnelle

pour le mois de : **JUIN 2013**

#### 1- Eléments proportionnel

R1c ENERGIE = 44,88 € HT / MWh

R1 EAU CHAUDE SANITAIRE = 4,49 € HT / M3

#### 2- Eléments fixe

R2 PRESTATIONS = 20,40 € HT / Kw

R23' ENTRETIEN CENTRALE ET S/ST = 1,83 € HT / Kw

R23" ENTRETIEN RESEAU = 2,20 € HT / Kw

R24' AMORTISSEMENT TRAVAUX = 5,58 € HT / Kw

R24" AMORTISSEMENT ETUDES 1,34 € HT/Kw

**TOTAL R2**

**31,35 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **JUIN 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 30/06/2013                                                            |              | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|--------------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1 ) | = 146,57     | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td><b>45,70</b></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | <b>45,70</b> |
|                             |          | Coef %                                                                                    | Val base     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz cogé                    | a        | 12%                                                                                       | 31,95        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz                         | b        | 85%                                                                                       | 54,29        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Fioul                       | c        | 3%                                                                                        | 57,47        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Bois                        | d        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Autres                      | e        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz dérégulé                |          |                                                                                           | -6           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| R1 o                        |          | 100                                                                                       | <b>45,70</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FOD                         | = 247,78 | FOD                                                                                       | = 330,65     | <p style="text-align: center;">2<sup>ème</sup> trimestre 2013</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 111,60     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 111,60     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| IT                          | = 128,10 | IT                                                                                        | = 136,67     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 131,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 127,80     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40                        | = 952,30 | BT40                                                                                      | = 1021,40    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| CRE                         | = 27,745 | CRE                                                                                       | = 28,582     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1021,40    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |

**CALCUL TERME R1**

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left\{ \begin{array}{l} R1Gaz = 54,29 \times \frac{28,582}{27,745} = 55,928 \\ R1FOD = 57,47 \times \frac{330,65}{247,78} = 76,69 \end{array} \right.$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo}$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{28,582}{27,745} + 0,10 \times \frac{1021,40}{990,60} + 0,15 \times \frac{127,80}{125,50} \right) = 32,76$$

$$R1Mwh = 85\% \times 55,93 + 3\% \times 76,69 + 12\% \times 32,76 - 8,89 = 44,88$$

$$R1m3 = 4,49$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{146,57}{116,90} + 0,45 \times \frac{111,60}{100,90} + 0,35 \times \frac{131,50}{118,10} \right) = 20,40$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{111,60}{100,90} + 0,55 \times \frac{1021,40}{952,30} \right) = 1,83$$

**CALCUL TERME R3"**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{111,60}{100,90} + 0,55 \times \frac{1021,40}{952,30} \right) = 2,20$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1021,4}{952,30} + 0,3 \times \frac{111,60}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.

# SEFIR

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

**TARIF DE VENTE (HTVA)**  
**Tranche Conditionnelle**  
pour le mois de : **JUILLET 2013**

### 1- Eléments proportionnel

R1c ENERGIE = 43,48 € HT / MWh

R1 EAU CHAUDE SANITAIRE = 4,35 € HT / M3

### 2- Eléments fixe

R2 PRESTATIONS = 20,26 € HT / Kw

R23' ENTRETIEN CENTRALE ET S/ST = 1,83 € HT / Kw

R23" ENTRETIEN RESEAU = 2,20 € HT / Kw

R24' AMORTISSEMENT TRAVAUX = 5,58 € HT / Kw

R24" AMORTISSEMENT ETUDES 1,34 € HT/Kw

**TOTAL R2**

**31,21 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **JUILLET 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 31/07/2013                                                           |              | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
|-----------------------------|----------|------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|--------------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1) | = 146,57     | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td><b>45,70</b></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | <b>45,70</b> |
|                             |          | Coef %                                                                                   | Val base     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz cogé                    | a        | 12%                                                                                      | 31,95        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz                         | b        | 85%                                                                                      | 54,29        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Fioul                       | c        | 3%                                                                                       | 57,47        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Bois                        | d        | 0                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Autres                      | e        | 0                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz dérégulé                |          |                                                                                          | -6           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| R1 o                        |          | 100                                                                                      | <b>45,70</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FOD                         | = 247,78 | FOD                                                                                      | = 330,65     | <p>3<sup>ème</sup> trimestre 2013</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                 | = 111,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                               | = 111,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| IT                          | = 128,10 | IT                                                                                       | = 137,20     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| A38CC                       | = 101,30 | A38CC                                                                                    | = 103,10     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD1                        | = 118,10 | FSD1                                                                                     | = 129,10     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD2                        | = 125,50 | FSD2                                                                                     | = 126,20     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40                        | = 952,30 | BT40                                                                                     | = 1021,40    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| CRE                         | = 27,745 | CRE                                                                                      | = 27,786     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                     | = 1021,40    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |

**CALCUL TERME R1**

$$R1c = a \times R1cogé + b \times R1gaz + c \times R1fioul + d \times R1bois + e \times R1autres$$

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left\{ \begin{array}{l} R1Gaz = 54,29 \times \left( \frac{27,786}{27,745} \right) = 54,370 \\ R1FOD = R1Fodo \times \frac{Fod}{Fodo} \end{array} \right. \left\{ \begin{array}{l} R1FOD = 57,47 \times \frac{330,65}{247,78} = 76,69 \end{array} \right.$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo} \left\{ \begin{array}{l} R1FOD = 57,47 \times \frac{330,65}{247,78} = 76,69 \end{array} \right.$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{27,786}{27,745} + 0,10 \times \frac{1021,40}{990,60} + 0,15 \times \frac{126,20}{125,50} \right) = 32,11$$

$$R1Mwh = 85\% \times 54,37 + 3\% \times 76,69 + 12\% \times 32,11 - 8,89 = 43,48$$

$$R1m3 = 4,35$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IMI}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{146,57}{116,90} + 0,45 \times \frac{111,50}{100,90} + 0,35 \times \frac{129,10}{118,10} \right) = 20,26$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{111,50}{100,90} + 0,55 \times \frac{1021,40}{952,30} \right) = 1,83$$

**CALCUL TERME R3''**

$$R3 = R3''o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{111,50}{100,90} + 0,55 \times \frac{1021,40}{952,30} \right) = 2,20$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1021,4}{952,30} + 0,3 \times \frac{111,50}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.

# SEFIR

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

### TARIF DE VENTE (HTVA) Tranche Conditionnelle

pour le mois de : **AOUT 2013**

#### 1- Eléments proportionnel

|                         |   |       |            |
|-------------------------|---|-------|------------|
| R1c ENERGIE             | = | 43,45 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE | = | 4,35  | € HT / M3  |

#### 2- Eléments fixe

|                                 |   |       |           |
|---------------------------------|---|-------|-----------|
| R2 PRESTATIONS                  | = | 20,23 | € HT / Kw |
| R23' ENTRETIEN CENTRALE ET S/ST | = | 1,83  | € HT / Kw |
| R23" ENTRETIEN RESEAU           | = | 2,20  | € HT / Kw |
| R24' AMORTISSEMENT TRAVAUX      | = | 5,58  | € HT / Kw |
| R24" AMORTISSEMENT ETUDES       |   | 1,34  | € HT/Kw   |

**TOTAL R2**

**31,18 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **AOUT 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 31/08/2013                                                            |              | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|--------------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351107 - coefficient de raccordement 1 ) | = 146,93     | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td><b>45,70</b></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | <b>45,70</b> |
|                             |          | Coef %                                                                                    | Val base     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz cogé                    | a        | 12%                                                                                       | 31,95        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz                         | b        | 85%                                                                                       | 54,29        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Fioul                       | c        | 3%                                                                                        | 57,47        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Bois                        | d        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Autres                      | e        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz dérégulé                |          |                                                                                           | -6           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| R1 o                        |          | 100                                                                                       | <b>45,70</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FOD                         | = 247,78 | FOD                                                                                       | = 326,88     | <p>3<sup>ème</sup> trimestre 2013</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 111,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 111,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| IT                          | = 128,10 | IT                                                                                        | = 137,20     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 128,40     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 125,80     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40                        | = 952,30 | BT40                                                                                      | = 1021,70    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| CRE                         | = 27,745 | CRE                                                                                       | = 27,786     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1021,70    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |

**CALCUL TERME R1**

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left\{ \begin{array}{l} R1Gaz = 54,29 \times \left( \frac{27,786}{27,745} \right) = 54,370 \\ R1FOD = 57,47 \times \frac{326,88}{247,78} = 75,82 \end{array} \right.$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo}$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{27,786}{27,745} + 0,10 \times \frac{1021,70}{990,60} + 0,15 \times \frac{125,80}{125,50} \right) = 32,09$$

$$R1Mwh = 85\% \times 54,37 + 3\% \times 75,82 + 12\% \times 32,09 - 8,89 = 43,45$$

$$R1m3 = 4,35$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IMI}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{146,93}{116,90} + 0,45 \times \frac{111,50}{100,90} + 0,35 \times \frac{128,40}{118,10} \right) = 20,23$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{111,50}{100,90} + 0,55 \times \frac{1021,70}{952,30} \right) = 1,83$$

**CALCUL TERME R3''**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{111,50}{100,90} + 0,55 \times \frac{1021,70}{952,30} \right) = 2,20$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1021,7}{952,30} + 0,3 \times \frac{111,50}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.



# SEFIR

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

**TARIF DE VENTE (HTVA)**  
**Tranche Conditionnelle**  
pour le mois de : **SEPTEMBRE 2013**

### 1- Eléments proportionnel

R1c ENERGIE = 43,46 € HT / MWh

R1 EAU CHAUDE SANITAIRE = 4,35 € HT / M3

### 2- Eléments fixe

R2 PRESTATIONS = 20,31 € HT / Kw

R23' ENTRETIEN CENTRALE ET S/ST = 1,83 € HT / Kw

R23" ENTRETIEN RESEAU = 2,20 € HT / Kw

R24' AMORTISSEMENT TRAVAUX = 5,58 € HT / Kw

R24" AMORTISSEMENT ETUDES 1,34 € HT/Kw

**TOTAL R2**

**31,26 € HT/Kw**

Pour le mois de : **SEPTEMBRE 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 30/09/2013                                                            |              | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|----------|---|-----|-------|-----|---|-----|-------|-------|---|----|-------|------|---|---|--|--------|---|---|--|--------------|--|--|----|------|--|-----|--------------|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351102 - coefficient de raccordement 1 ) | = 146,93     | <table border="1"> <thead> <tr> <th colspan="2"></th> <th>Coef %</th> <th>Val base</th> </tr> </thead> <tbody> <tr> <td>Gaz cogé</td> <td>a</td> <td>12%</td> <td>31,95</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>85%</td> <td>54,29</td> </tr> <tr> <td>Fioul</td> <td>c</td> <td>3%</td> <td>57,47</td> </tr> <tr> <td>Bois</td> <td>d</td> <td>0</td> <td></td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0</td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-6</td> </tr> <tr> <td>R1 o</td> <td></td> <td>100</td> <td><b>45,70</b></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base | Gaz cogé | a | 12% | 31,95 | Gaz | b | 85% | 54,29 | Fioul | c | 3% | 57,47 | Bois | d | 0 |  | Autres | e | 0 |  | Gaz dérégulé |  |  | -6 | R1 o |  | 100 | <b>45,70</b> |
|                             |          | Coef %                                                                                    | Val base     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz cogé                    | a        | 12%                                                                                       | 31,95        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz                         | b        | 85%                                                                                       | 54,29        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Fioul                       | c        | 3%                                                                                        | 57,47        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Bois                        | d        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Autres                      | e        | 0                                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| Gaz dérégulé                |          |                                                                                           | -6           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| R1 o                        |          | 100                                                                                       | <b>45,70</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FOD                         | = 247,78 | FOD                                                                                       | = 326,74     | <p style="text-align: center;">3<sup>ème</sup> trimestre 2013</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 111,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 111,50     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| IT                          | = 128,10 | IT                                                                                        | = 137,85     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 129,90     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 127,00     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40                        | = 952,30 | BT40                                                                                      | = 1021,20    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| CRE                         | = 27,745 | CRE                                                                                       | = 27,789     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1021,20    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |        |          |          |   |     |       |     |   |     |       |       |   |    |       |      |   |   |  |        |   |   |  |              |  |  |    |      |  |     |              |

**CALCUL TERME R1**

$$R1c = a \times R1cogé + b \times R1gaz + c \times R1fioul + d \times R1bois + e \times R1autres$$

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \left\{ \begin{array}{l} R1Gaz = 54,29 \times \left( \frac{27,789}{27,745} \right) = 54,376 \\ R1FOD = 57,47 \times \frac{326,74}{247,78} = 75,78 \end{array} \right.$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo}$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,95 \times \left( 0,10 + 0,65 \times \frac{27,789}{27,745} + 0,10 \times \frac{1021,20}{990,60} + 0,15 \times \frac{127,00}{125,50} \right) = 32,14$$

$$R1Mwh = 85\% \times 54,38 + 3\% \times 75,78 + 12\% \times 32,14 - 8,89 = 43,46$$

$$R1m3 = 4,35$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 18,33 \times \left( 0,1 + 0,1 \times \frac{146,93}{116,90} + 0,45 \times \frac{111,50}{100,90} + 0,35 \times \frac{129,90}{118,10} \right) = 20,31$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,71 \times \left( 0,15 + 0,3 \times \frac{111,50}{100,90} + 0,55 \times \frac{1021,20}{952,30} \right) = 1,83$$

**CALCUL TERME R3''**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3 = 2,05 \times \left( 0,15 + 0,3 \times \frac{111,50}{100,90} + 0,55 \times \frac{1021,20}{952,30} \right) = 2,20$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 5,58 \times \left( 0,1 + 0,6 \times \frac{1021,2}{952,30} + 0,3 \times \frac{111,50}{100,90} \right) = 5,58$$

Pas d'actualisation dans le contrat.

# SEFIR

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

### TARIF DE VENTE (HTVA) Tranche Conditionnelle

pour le mois de : **OCTOBRE 2013**

#### 1- Eléments proportionnel

|                                      |   |       |            |
|--------------------------------------|---|-------|------------|
| R1c ENERGIE                          | = | 36,47 | € HT / MWh |
| R1c appliqué pour garantir le TTC    | = | 32,17 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE              | = | 3,65  | € HT / M3  |
| R1 ECS appliqué pour garantir le TTC | = | 3,22  | € HT / M3  |

#### 2- Eléments fixe

|                                |   |       |           |
|--------------------------------|---|-------|-----------|
| R2 PRESTATIONS                 | = | 22,76 | € HT / Kw |
| R3' ENTRETIEN CENTRALE ET S/ST | = | 1,78  | € HT / Kw |
| R3" ENTRETIEN RESEAU           | = | 1,07  | € HT / Kw |
| R4' AMORTISSEMENT TRAVAUX      | = | 14,98 | € HT / Kw |
| R5 EXTENSIONS DU RESEAU        | = | 2,48  | € HT/Kw   |

TOTAL R2

43,08 € HT/Kw

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **OCTOBRE 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 30/10/2013                                                           |           | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
|-----------------------------|----------|------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--------|----------|--|----------|---|------|-------|-----------------------------|-----|---|-------|-------|-----------------------------|-------|---|-------|-------|--------------------------|------|---|-------|-------|--------------------------|--------|---|------|--|--|--------------|--|--|-------|--|------|--|--------|--|--|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351102 - coefficient de raccordement 1) | = 146,93  | <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>31,72</td> <td>date de valeur janvier 2012</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>16,0%</td> <td>57,24</td> <td>date de valeur janvier 2012</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>26,89</td> <td>date de valeur sept 2010</td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0,0%</td> <td></td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-2,48</td> <td></td> </tr> <tr> <td>R1 o</td> <td></td> <td>100,0%</td> <td></td> <td></td> </tr> </tbody> </table> |  |  |  |  |  | Coef % | Val base |  | Gaz cogé | a | 9,0% | 31,72 | date de valeur janvier 2012 | Gaz | b | 16,0% | 57,24 | date de valeur janvier 2012 | Fioul | c | 12,0% | 55,81 | date de valeur sept 2010 | Bois | d | 63,0% | 26,89 | date de valeur sept 2010 | Autres | e | 0,0% |  |  | Gaz dérégulé |  |  | -2,48 |  | R1 o |  | 100,0% |  |  |
|                             |          | Coef %                                                                                   | Val base  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Gaz cogé                    | a        | 9,0%                                                                                     | 31,72     | date de valeur janvier 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Gaz                         | b        | 16,0%                                                                                    | 57,24     | date de valeur janvier 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Fioul                       | c        | 12,0%                                                                                    | 55,81     | date de valeur sept 2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Bois                        | d        | 63,0%                                                                                    | 26,89     | date de valeur sept 2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Autres                      | e        | 0,0%                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Gaz dérégulé                |          |                                                                                          | -2,48     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| R1 o                        |          | 100,0%                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| FOD                         | = 247,78 | FOD                                                                                      | = 329,80  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                 | = 112,00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                               | = 112,00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| IT                          | = 128,10 | IT                                                                                       | = 137,73  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| A38CC                       | = 101,30 | A38CC                                                                                    | = 103,10  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| FSD1                        | = 118,10 | FSD1                                                                                     | = 130,50  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| FSD2                        | = 125,50 | FSD2                                                                                     | = 127,30  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| BT40                        | = 952,30 | BT40                                                                                     | = 1019,70 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| CRE                         | = 27,745 | CRE                                                                                      | = 27,945  | 4 <sup>ème</sup> trimestre 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                     | = 1019,70 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |

## CALCUL TERME R1

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-o}} \left\{ \begin{array}{l} R1Gaz = 57,24 \times \left( \frac{27,945}{27,745} \right) = 57,649 \\ R1FOD = R1Fodo \times \frac{Fod}{Fodo} \left\{ \begin{array}{l} R1FOD = 55,81 \times \frac{329,80}{247,78} = 74,28 \end{array} \right. \end{array} \right.$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo} \left\{ \begin{array}{l} R1FOD = 55,81 \times \frac{329,80}{247,78} = 74,28 \end{array} \right.$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-o}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,72 \times \left( 0,10 + 0,65 \times \frac{27,945}{27,745} + 0,10 \times \frac{1019,70}{990,60} + 0,15 \times \frac{127,30}{125,50} \right) = 32,03$$

$$R1bois = R1Boiso \times \left( 0,15 + 0,25 \times \frac{ICHTrev TS}{ICHT REV TS_o} + 0,35 \times \frac{IT}{IT_o} + 0,25 \times \frac{A38CC}{A38CC_o} \right)$$

$$R1bois = 26,89 \times \left( 0,15 + 0,25 \times \frac{112,00}{100,90} + 0,35 \times \frac{137,73}{128,10} + 0,25 \times \frac{103,10}{101,30} \right) = 28,46$$

$$R1Mwh = 16\% \times 57,65 + 12\% \times 74,28 + 9\% \times 32,03 + 63\% \times 28,46 - 2,48 = 36,47$$

$$R1m3 = 3,65$$

## CALCUL TERME R2

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IME}{ICHT-IME_o} + 0,35 \times \frac{FSD1}{FSD1_o} \right)$$

$$R2 = 20,47 \times \left( 0,1 + 0,1 \times \frac{146,93}{116,90} + 0,45 \times \frac{112,00}{100,90} + 0,35 \times \frac{130,50}{118,10} \right) = 22,76$$

## CALCUL TERME R3'

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IME_o} + 0,55 \times \frac{BT40}{BT40_o} \right)$$

$$R3' = 1,66 \times \left( 0,15 + 0,3 \times \frac{112,00}{100,90} + 0,55 \times \frac{1019,70}{952,30} \right) = 1,78$$

## CALCUL TERME R3''

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IME_o} + 0,55 \times \frac{BT40}{BT40_o} \right)$$

$$R3 = 1 \times \left( 0,15 + 0,3 \times \frac{112,00}{100,90} + 0,55 \times \frac{1019,70}{952,30} \right) = 1,07$$

## CALCUL TERME R4' TC

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40_o} + 0,3 \times \frac{ICHT-IME}{ICHT-IME_o} \right)$$

$$R4' = 14,98 \times \left( 0,1 + 0,6 \times \frac{1019,70}{952,30} + 0,3 \times \frac{112,00}{100,90} \right) = 14,98 \quad \text{Actualisation à la mise en service}$$

## CALCUL TERME R5

$$R5 = R5o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40_o} + 0,3 \times \frac{ICHT-IME}{ICHT-IME_o} \right)$$

$$R5 = 2,31 \times \left( 0,1 + 0,6 \times \frac{1019,70}{952,30} + 0,3 \times \frac{112,00}{100,90} \right) = 2,48$$

# SEFIR

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

### TARIF DE VENTE (HTVA) Tranche Conditionnelle

pour le mois de : **NOVEMBRE 2013**

#### 1- Eléments proportionnel

|                                      |   |       |            |
|--------------------------------------|---|-------|------------|
| R1c ENERGIE                          | = | 36,15 | € HT / MWh |
| R1c appliqué pour garantir le TTC    | = | 31,89 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE              | = | 3,62  | € HT / M3  |
| R1 ECS appliqué pour garantir le TTC | = | 3,19  | € HT / M3  |

#### 2- Eléments fixe

|                                |   |       |           |
|--------------------------------|---|-------|-----------|
| R2 PRESTATIONS                 | = | 22,85 | € HT / Kw |
| R3' ENTRETIEN CENTRALE ET S/ST | = | 1,78  | € HT / Kw |
| R3" ENTRETIEN RESEAU           | = | 1,07  | € HT / Kw |
| R4' AMORTISSEMENT TRAVAUX      | = | 14,98 | € HT / Kw |
| R5 EXTENSIONS DU RESEAU        | = | 2,48  | € HT/Kw   |

**TOTAL R2**

**43,17 € HT/Kw**

## SEFIR

## JUSTIFICATION DU TARIF DE VENTE(HTVA)

Pour le mois de : **NOVEMBRE 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 30/11/2013                                                           |           | TARIF DE BASE TRANCHE FERME     |  |  |  |
|-----------------------------|----------|------------------------------------------------------------------------------------------|-----------|---------------------------------|--|--|--|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351102 - coefficient de raccordement 1) | = 150,63  |                                 |  |  |  |
| FOD                         | = 247,78 | FOD                                                                                      | = 319,73  |                                 |  |  |  |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                 | = 112,00  |                                 |  |  |  |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                               | = 112,00  |                                 |  |  |  |
| IT                          | = 128,10 | IT                                                                                       | = 136,70  |                                 |  |  |  |
| A38CC                       | = 101,30 | A38CC                                                                                    | = 103,10  |                                 |  |  |  |
| FSD1                        | = 118,10 | FSD1                                                                                     | = 130,90  |                                 |  |  |  |
| FSD2                        | = 125,50 | FSD2                                                                                     | = 127,60  |                                 |  |  |  |
| BT40                        | = 952,30 | BT40                                                                                     | = 1019,70 |                                 |  |  |  |
| CRE                         | = 27,745 | CRE                                                                                      | = 27,945  |                                 |  |  |  |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                     | = 1019,80 |                                 |  |  |  |
|                             |          |                                                                                          |           | 4 <sup>ème</sup> trimestre 2013 |  |  |  |

|              |   | Coef % | Val base |                             |
|--------------|---|--------|----------|-----------------------------|
| Gaz cogé     | a | 9,0%   | 31,72    | date de valeur janvier 2012 |
| Gaz          | b | 16,0%  | 57,24    | date de valeur janvier 2012 |
| Fioul        | c | 12,0%  | 55,81    | date de valeur sept 2010    |
| Bois         | d | 63,0%  | 26,89    | date de valeur sept 2010    |
| Autres       | e | 0,0%   |          |                             |
| Gaz dérégulé |   |        | -2,48    |                             |
| R1 o         |   | 100,0% |          |                             |

## CALCUL TERME R1

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

|          |         |   |                                                                                                                 |       |          |       |      |                                                                                                              |       |        |   |       |        |   |       |
|----------|---------|---|-----------------------------------------------------------------------------------------------------------------|-------|----------|-------|------|--------------------------------------------------------------------------------------------------------------|-------|--------|---|-------|--------|---|-------|
| R1Gaz =  | R1Gazo  | x | $\frac{CRE_{2012}}{CRE_{2012-0}}$                                                                               |       | R1Gaz =  | 57,24 | x    | $\left(\frac{27,945}{27,745}\right)$                                                                         | =     | 57,649 |   |       |        |   |       |
| R1FOD =  | R1Fodo  | x | $\frac{Fod}{Fodo}$                                                                                              |       | R1FOD =  | 55,81 | x    | $\frac{319,73}{247,78}$                                                                                      | =     | 72,02  |   |       |        |   |       |
| R1cogé = | R1cogéo | x | ( 0,10 + 0,65 x $\frac{CRE_{2012}}{CRE_{2012-0}}$ + 0,10 x $\frac{BT40}{BT40o}$ + 0,15 x $\frac{FSD2}{FSD2o}$ ) |       | R1cogé = | 31,72 | x    | ( 0,10 + 0,65 x $\frac{27,945}{27,745}$ + 0,10 x $\frac{1019,80}{990,60}$ + 0,15 x $\frac{127,60}{125,50}$ ) | =     | 32,04  |   |       |        |   |       |
| R1bois = | R1Boiso | x | ( 0,15 + 0,25 x $\frac{ICHTrev TS}{ICHT REV TSo}$ + 0,35 x $\frac{IT}{ITo}$ + 0,25 x $\frac{A38CC}{A38CCo}$ )   |       | R1bois = | 26,89 | x    | ( 0,15 + 0,25 x $\frac{112,00}{100,90}$ + 0,35 x $\frac{136,70}{128,10}$ + 0,25 x $\frac{103,10}{101,30}$ )  | =     | 28,38  |   |       |        |   |       |
| R1Mwh =  | 16%     | x | 57,65                                                                                                           | + 12% | x        | 72,02 | + 9% | x                                                                                                            | 32,04 | + 63%  | x | 28,38 | - 2,48 | = | 36,15 |
| R1m3 =   | 3,62    |   |                                                                                                                 |       |          |       |      |                                                                                                              |       |        |   |       |        |   |       |

## CALCUL TERME R2

|      |       |   |                                                                                                     |   |       |
|------|-------|---|-----------------------------------------------------------------------------------------------------|---|-------|
| R2 = | R2o   | x | ( 0,1 + 0,1 $\frac{EMT}{EMTo}$ + 0,45 $\frac{ICHT-IME}{ICHT-IMEo}$ + 0,35 $\frac{FSD1}{FSD1o}$ )    |   |       |
| R2 = | 20,47 | x | ( 0,1 + 0,1 $\frac{150,63}{116,90}$ + 0,45 $\frac{112,00}{100,90}$ + 0,35 $\frac{130,90}{118,10}$ ) | = | 22,85 |

## CALCUL TERME R3'

|       |      |   |                                                                         |   |      |
|-------|------|---|-------------------------------------------------------------------------|---|------|
| R3' = | R3'o | x | ( 0,15 + 0,3 $\frac{ICHT-IME}{ICHT-IMEo}$ + 0,55 $\frac{BT40}{BT40o}$ ) |   |      |
| R3' = | 1,66 | x | ( 0,15 + 0,3 $\frac{112,00}{100,90}$ + 0,55 $\frac{1019,70}{952,30}$ )  | = | 1,78 |

## CALCUL TERME R3''

|      |      |   |                                                                         |   |      |
|------|------|---|-------------------------------------------------------------------------|---|------|
| R3 = | R3'o | x | ( 0,15 + 0,3 $\frac{ICHT-IME}{ICHT-IMEo}$ + 0,55 $\frac{BT40}{BT40o}$ ) |   |      |
| R3 = | 1    | x | ( 0,15 + 0,3 $\frac{112,00}{100,90}$ + 0,55 $\frac{1019,70}{952,30}$ )  | = | 1,07 |

## CALCUL TERME R4' TC

|       |       |   |                                                                       |   |       |                                    |
|-------|-------|---|-----------------------------------------------------------------------|---|-------|------------------------------------|
| R4' = | R4'o  | x | ( 0,1 + 0,6 $\frac{BT40}{BT40o}$ + 0,3 $\frac{ICHT-IME}{ICHT-IMEo}$ ) |   |       |                                    |
| R4' = | 14,98 | x | ( 0,1 + 0,6 $\frac{1019,70}{952,30}$ + 0,3 $\frac{112,00}{100,90}$ )  | = | 14,98 | Actualisation à la mise en service |

## CALCUL TERME R5

|      |      |   |                                                                       |   |      |
|------|------|---|-----------------------------------------------------------------------|---|------|
| R5 = | R5o  | x | ( 0,1 + 0,6 $\frac{BT40}{BT40o}$ + 0,3 $\frac{ICHT-IME}{ICHT-IMEo}$ ) |   |      |
| R5 = | 2,31 | x | ( 0,1 + 0,6 $\frac{1019,70}{952,30}$ + 0,3 $\frac{112,00}{100,90}$ )  | = | 2,48 |

# SEFIR

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

### TARIF DE VENTE (HTVA)

#### Tranche Conditionnelle

pour le mois de : **DECEMBRE 2013**

#### 1- Eléments proportionnel

|                                      |   |       |            |
|--------------------------------------|---|-------|------------|
| R1c ENERGIE                          | = | 36,12 | € HT / MWh |
| R1c appliqué pour garantir le TTC    | = | 31,86 | € HT / MWh |
| R1 EAU CHAUDE SANITAIRE              | = | 3,61  | € HT / M3  |
| R1 ECS appliqué pour garantir le TTC | = | 3,18  | € HT / M3  |

#### 2- Eléments fixe

|                                |   |       |           |
|--------------------------------|---|-------|-----------|
| R2 PRESTATIONS                 | = | 22,83 | € HT / Kw |
| R3' ENTRETIEN CENTRALE ET S/ST | = | 1,78  | € HT / Kw |
| R3" ENTRETIEN RESEAU           | = | 1,07  | € HT / Kw |
| R4' AMORTISSEMENT TRAVAUX      | = | 14,98 | € HT / Kw |
| R5 EXTENSIONS DU RESEAU        | = | 2,49  | € HT/Kw   |

|                 |              |                |
|-----------------|--------------|----------------|
| <b>TOTAL R2</b> | <b>43,15</b> | <b>€ HT/Kw</b> |
|-----------------|--------------|----------------|

Pour le mois de : **DECEMBRE 2013**

| VALEURS DE BASE DES INDICES |          | INDICES CONNUS AU : 31/12/2013                                                            |           | TARIF DE BASE TRANCHE FERME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
|-----------------------------|----------|-------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------|--|--------|----------|--|----------|---|------|-------|-----------------------------|-----|---|-------|-------|-----------------------------|-------|---|-------|-------|--------------------------|------|---|-------|-------|--------------------------|--------|---|------|--|--|--------------|--|--|-------|--|------|--|--------|--|--|
| EMT                         | = 116,90 | ELMT (EMT indice remplacé par ELMT tarif vert A5 351102 - coefficient de raccordement 1 ) | = 150,63  | <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>31,72</td> <td>date de valeur janvier 2012</td> </tr> <tr> <td>Gaz</td> <td>b</td> <td>16,0%</td> <td>57,24</td> <td>date de valeur janvier 2012</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>26,89</td> <td>date de valeur sept 2010</td> </tr> <tr> <td>Autres</td> <td>e</td> <td>0,0%</td> <td></td> <td></td> </tr> <tr> <td>Gaz dérégulé</td> <td></td> <td></td> <td>-2,48</td> <td></td> </tr> <tr> <td>R1 o</td> <td></td> <td>100,0%</td> <td></td> <td></td> </tr> </tbody> </table> |  |  |  |                             |  | Coef % | Val base |  | Gaz cogé | a | 9,0% | 31,72 | date de valeur janvier 2012 | Gaz | b | 16,0% | 57,24 | date de valeur janvier 2012 | Fioul | c | 12,0% | 55,81 | date de valeur sept 2010 | Bois | d | 63,0% | 26,89 | date de valeur sept 2010 | Autres | e | 0,0% |  |  | Gaz dérégulé |  |  | -2,48 |  | R1 o |  | 100,0% |  |  |
|                             |          | Coef %                                                                                    | Val base  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Gaz cogé                    | a        | 9,0%                                                                                      | 31,72     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | date de valeur janvier 2012 |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Gaz                         | b        | 16,0%                                                                                     | 57,24     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | date de valeur janvier 2012 |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Fioul                       | c        | 12,0%                                                                                     | 55,81     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | date de valeur sept 2010    |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Bois                        | d        | 63,0%                                                                                     | 26,89     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | date de valeur sept 2010    |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Autres                      | e        | 0,0%                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| Gaz dérégulé                |          |                                                                                           | -2,48     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| R1 o                        |          | 100,0%                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| FOD                         | = 247,78 | FOD                                                                                       | = 318,60  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| ICHT-IME                    | = 100,90 | ICHT-IME                                                                                  | = 112,00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| ICHT rev TS                 | = 100,90 | ICHTrev TS                                                                                | = 112,00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| IT                          | = 128,10 | IT                                                                                        | = 136,57  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| A38CC                       | = 101,30 | A38CC                                                                                     | = 103,10  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| FSD1                        | = 118,10 | FSD1                                                                                      | = 130,60  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| FSD2                        | = 125,50 | FSD2                                                                                      | = 127,40  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| BT40                        | = 952,30 | BT40                                                                                      | = 1020,40 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| CRE                         | = 27,745 | CRE                                                                                       | = 27,945  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |
| BT40 (révision R1 cogé)     | = 990,60 | BT40                                                                                      | = 1020,40 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                             |  |        |          |  |          |   |      |       |                             |     |   |       |       |                             |       |   |       |       |                          |      |   |       |       |                          |        |   |      |  |  |              |  |  |       |  |      |  |        |  |  |

4ème trimestre 2013

**CALCUL TERME R1**

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

$$R1Gaz = R1Gazo \times \frac{CRE_{2012}}{CRE_{2012-0}} \quad R1Gaz = 57,24 \times \left( \frac{27,945}{27,745} \right) = 57,649$$

$$R1FOD = R1Fodo \times \frac{Fod}{Fodo} \quad R1FOD = 55,81 \times \frac{318,60}{247,78} = 71,76$$

$$R1cogé = R1cogéo \times \left( 0,10 + 0,65 \times \frac{CRE_{2012}}{CRE_{2012-0}} + 0,10 \times \frac{BT40}{BT40o} + 0,15 \times \frac{FSD2}{FSD2o} \right)$$

$$R1cogé = 31,72 \times \left( 0,10 + 0,65 \times \frac{27,945}{27,745} + 0,10 \times \frac{1020,40}{990,60} + 0,15 \times \frac{127,40}{125,50} \right) = 32,04$$

$$R1bois = R1Boiso \times \left( 0,15 + 0,25 \times \frac{ICHTrev TS}{ICHT REV TSo} + 0,35 \times \frac{IT}{ITo} + 0,25 \times \frac{A38CC}{A38CCo} \right)$$

$$R1bois = 26,89 \times \left( 0,15 + 0,25 \times \frac{112,00}{100,900} + 0,35 \times \frac{136,57}{128,10} + 0,25 \times \frac{103,10}{101,30} \right) = 28,37$$

$$R1Mwh = 16\% \times 57,65 + 12\% \times 71,76 + 9\% \times 32,04 + 63\% \times 28,37 - 2,48 = 36,12$$

$$R1m3 = 3,61$$

**CALCUL TERME R2**

$$R2 = R2o \times \left( 0,1 + 0,1 \times \frac{EMT}{EMTo} + 0,45 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,35 \times \frac{FSD1}{FSD1o} \right)$$

$$R2 = 20,47 \times \left( 0,1 + 0,1 \times \frac{150,63}{116,90} + 0,45 \times \frac{112,00}{100,90} + 0,35 \times \frac{130,60}{118,10} \right) = 22,83$$

**CALCUL TERME R3'**

$$R3' = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1,66 \times \left( 0,15 + 0,3 \times \frac{112,00}{100,90} + 0,55 \times \frac{1020,40}{952,30} \right) = 1,78$$

**CALCUL TERME R3''**

$$R3 = R3'o \times \left( 0,15 + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} + 0,55 \times \frac{BT40}{BT40o} \right)$$

$$R3' = 1 \times \left( 0,15 + 0,3 \times \frac{112,00}{100,900} + 0,55 \times \frac{1020,40}{952,30} \right) = 1,07$$

**CALCUL TERME R4' TC**

$$R4' = R4'o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R4' = 14,98 \times \left( 0,1 + 0,6 \times \frac{1020,40}{952,30} + 0,3 \times \frac{112,00}{100,90} \right) = 14,98 \quad \text{Actualisation à la mise en service}$$

**CALCUL TERME R5**

$$R5 = R5o \times \left( 0,1 + 0,6 \times \frac{BT40}{BT40o} + 0,3 \times \frac{ICHT-IME}{ICHT-IMEo} \right)$$

$$R5 = 2,31 \times \left( 0,1 + 0,6 \times \frac{1020,40}{952,30} + 0,3 \times \frac{112,00}{100,90} \right) = 2,49$$