**Anexa 5**

**Tabel 5.1 Costurile nete de operare – Alternativa 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | **2017** | | | **2018** | | | **2019** | | | **2020** | | |
| **Nr. crt.** | **Elemente** | | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** |
| a | Costuri de colectare și transport | | 30.12 | 63,502.13 | 1,912,548.90 | 31.51 | 62,657.77 | 1,974,551.96 | 31.69 | 61,731.98 | 1,956,371.39 | 32.17 | 60,819.98 | 1,956,579.31 |
| b | Costuri cu tratarea deșeurilor | | 5.71 | 7,957.77 | 45,438.86 | 5.97 | 9,098.42 | 54,357.33 | 6.14 | 11,444.80 | 70,290.04 | 6.32 | 13,684.66 | 86,453.85 |
| c | Costuri cu depozitarea | | 15.22 | 68,189.55 | 1,037,844.93 | 15.92 | 66,194.75 | 1,054,130.63 | 16.37 | 58,915.61 | 964,482.62 | 16.80 | 47,207.14 | 792,901.17 |
| d | Costuri cu contribuția pentru economia circulară | | 0.00 | 68,189.55 | 0.00 | 0.00 | 66,194.75 | 0.00 | 6.42 | 58,915.61 | 378,472.90 | 17.32 | 47,207.14 | 817,439.68 |
| **I** | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | | **2,995,832.69** | | | **3,083,039.92** | | | **3,369,616.95** | | | **3,653,374.01** | | |
| e | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | | 23.75 | 7,443.94 | 176,770.79 | 25.03 | 8,566.52 | 214,449.85 | 25.93 | 10,846.42 | 281,225.39 | 26.80 | 13,054.65 | 349,872.55 |
| f | Venituri din valorificare biogaz/energie | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | Venituri aferente cotei suportate de OTR | | 26.35 | 4,271.46 | 112,541.61 | 27.75 | 4,924.84 | 136,663.02 | 28.71 | 6,247.20 | 179,388.40 | 29.65 | 7,533.10 | 223,386.36 |
| **II** | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | | **2,706,520.29** | | | **2,731,927.05** | | | **2,909,003.16** | | | **3,080,115.10** | | |
| **Total cost net de operare (€/t)** | | | **42.62** | | | **43.60** | | | **47.12** | | | **50.64** | | |
|  | |  | **2021** | | | **2022** | | | **2023** | | | **2024** | | |
| a | | Costuri de colectare și transport | 80.68 | 59,914.55 | 4,833,695.11 | 82.20 | 59,024.08 | 4,851,816.57 | 83.79 | 58,148.20 | 4,872,127.86 | 85.41 | 57,287.63 | 4,892,780.99 |
| b | | Costuri cu tratarea deșeurilor | 6.47 | 14,602.24 | 94,537.27 | 6.93 | 15,472.71 | 107,200.66 | 7.08 | 16,297.54 | 115,436.34 | 37.07 | 39,783.19 | 1,474,835.34 |
| c | | Costuri cu depozitarea | 17.22 | 45,540.17 | 784,024.91 | 17.63 | 43,913.26 | 774,160.28 | 18.07 | 42,325.54 | 764,824.02 | 18.52 | 23,748.35 | 439,861.85 |
| d | | Costuri cu contribuția pentru economia circulară | 17.39 | 45,540.17 | 792,002.94 | 17.47 | 43,913.26 | 767,043.90 | 17.47 | 42,325.54 | 739,310.69 | 17.47 | 23,748.35 | 414,818.29 |
| **I** | | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | **6,504,260.23** | | | **6,500,221.41** | | | **6,491,698.91** | | | **7,222,296.47** | | |
| e | | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | 27.67 | 14,022.21 | 388,029.31 | 28.54 | 14,956.94 | 426,906.56 | 29.47 | 15,859.61 | 467,336.30 | 9.57 | 28,175.13 | 269,689.25 |
| f | | Venituri din valorificare biogaz/energie | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | | Venituri aferente cotei suportate de OTR | 30.59 | 8,106.48 | 247,976.56 | 31.52 | 8,662.90 | 273,067.98 | 32.51 | 9,202.68 | 299,193.82 | 33.53 | 9,726.35 | 326,158.97 |
| **II** | | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | **5,868,254.36** | | | **5,800,246.87** | | | **5,725,168.79** | | | **6,626,448.25** | | |
| **Total cost net de operare (€/t)** | | | **97.94** | | | **98.27** | | | **98.46** | | | **115.67** | | |

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|  |  | | **2025** | | | **2026** | | | **2027** | | | **2028** | | |
| **Nr. crt.** | **Elemente** | | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** |
| a | Costuri de colectare și transport | | 89.93 | 56,441.28 | 5,075,623.75 | 91.49 | 56,238.19 | 5,145,410.33 | 93.07 | 56,036.47 | 5,215,400.76 | 94.21 | 55,836.00 | 5,260,488.87 |
| b | Costuri cu tratarea deșeurilor | | 36.79 | 37,321.91 | 1,373,246.50 | 37.47 | 37,194.14 | 1,393,783.72 | 38.16 | 37,067.22 | 1,414,584.77 | 38.88 | 36,941.03 | 1,436,219.84 |
| c | Costuri cu depozitarea | | 19.18 | 22,931.83 | 439,861.85 | 19.46 | 22,859.48 | 444,832.91 | 19.95 | 22,787.59 | 454,519.81 | 20.44 | 22,716.07 | 464,420.60 |
| d | Costuri cu contribuția pentru economia circulară | | 8.49 | 47,207.14 | 400,555.97 | 17.47 | 22,859.48 | 399,292.16 | 17.47 | 22,787.59 | 398,036.43 | 17.47 | 22,716.07 | 396,787.16 |
| **I** | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | | **7,289,288.07** | | | **7,383,319.12** | | | **7,482,541.77** | | | **7,557,916.47** | | |
| e | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | | 12.45 | 27,393.25 | 340,910.82 | 12.74 | 27,294.77 | 347,812.03 | 13.05 | 27,196.97 | 354,877.28 | 13.36 | 27,099.75 | 362,102.67 |
| f | Venituri din valorificare biogaz/energie | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | Venituri aferente cotei suportate de OTR | | 34.59 | 10,234.11 | 353,985.26 | 35.45 | 10,193.62 | 361,378.86 | 36.34 | 10,153.41 | 368,959.56 | 37.25 | 10,113.44 | 376,724.14 |
| **II** | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | | **6,594,391.99** | | | **6,674,128.23** | | | **6,758,704.93** | | | **6,819,089.66** | | |
| **Total cost net de operare (€/t)** | | | **116.84** | | | **118.68** | | | **120.61** | | | **122.13** | | |
|  | |  | **2029** | | | **2030** | | | **2031** | | | **2032** | | |
| a | | Costuri de colectare și transport | 99.04 | 55,635.81 | 5,509,951.54 | 100.09 | 55,424.09 | 5,547,206.37 | 104.66 | 55,198.36 | 5,776,904.19 | 105.96 | 54,974.26 | 5,825,263.76 |
| b | | Costuri cu tratarea deșeurilor | 39.58 | 36,687.30 | 1,452,101.71 | 40.20 | 35,855.81 | 1,441,285.19 | 40.96 | 35,718.30 | 1,462,959.86 | 41.73 | 35,581.79 | 1,484,931.59 |
| c | | Costuri cu depozitarea | 20.96 | 22,612.70 | 473,865.05 | 21.48 | 22,362.63 | 480,340.24 | 22.02 | 22,282.01 | 490,573.85 | 22.57 | 22,201.98 | 501,032.09 |
| d | | Costuri cu contribuția pentru economia circulară | 17.47 | 22,612.70 | 394,981.68 | 17.47 | 22,362.63 | 390,613.62 | 17.47 | 22,282.01 | 389,205.47 | 17.47 | 22,201.98 | 387,807.51 |
| **I** | | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | **7,830,899.98** | | | **7,859,445.42** | | | **8,119,643.37** | | | **8,199,034.95** | | |
| e | | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | 13.77 | 26,938.81 | 370,970.73 | 14.61 | 26,478.91 | 386,752.37 | 14.95 | 26,371.78 | 394,344.33 | 15.31 | 26,265.43 | 402,098.35 |
| f | | Venituri din valorificare biogaz/energie | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | | Venituri aferente cotei suportate de OTR | 38.18 | 10,073.53 | 384,582.82 | 39.13 | 10,031.32 | 392,521.58 | 40.11 | 9,986.31 | 400,521.01 | 41.11 | 9,941.63 | 408,697.91 |
| **II** | | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | **7,075,346.43** | | | **7,080,171.47** | | | **7,324,778.03** | | | **7,388,238.69** | | |
| **Total cost net de operare (€/t)** | | | **127.17** | | | **127.75** | | | **132.70** | | | **134.39** | | |

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|  |  | | **2033** | | | **2034** | | | **2035** | | | **2036** | | |
| **Nr. crt.** | **Elemente** | | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** |
| a | Costuri de colectare și transport | | 112.18 | 54,751.27 | 6,141,780.83 | 113.56 | 54,529.80 | 6,192,161.35 | 114.71 | 54,309.84 | 6,229,659.50 | 116.79 | 54,091.40 | 6,317,089.36 |
| b | Costuri cu tratarea deșeurilor | | 42.53 | 35,445.90 | 1,507,561.00 | 43.34 | 35,310.88 | 1,530,504.77 | 42.55 | 34,181.99 | 1,454,445.83 | 43.38 | 34,118.34 | 1,480,007.05 |
| c | Costuri cu depozitarea | | 23.13 | 22,122.27 | 511,714.00 | 23.71 | 22,043.04 | 522,628.51 | 24.30 | 21,574.12 | 524,298.31 | 24.91 | 21,513.90 | 535,905.85 |
| d | Costuri cu contribuția pentru economia circulară | | 17.47 | 22,122.27 | 386,415.13 | 17.47 | 22,043.04 | 385,031.31 | 17.47 | 21,574.12 | 376,840.48 | 17.47 | 21,513.90 | 375,788.70 |
| **I** | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | | **8,547,470.96** | | | **8,630,325.94** | | | **8,585,244.12** | | | **8,708,790.96** | | |
| e | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | | 15.67 | 26,159.58 | 409,990.85 | 16.05 | 26,054.43 | 418,055.86 | 19.14 | 25,958.73 | 496,944.74 | 19.54 | 25,887.55 | 505,821.04 |
| f | Venituri din valorificare biogaz/energie | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | Venituri aferente cotei suportate de OTR | | 42.14 | 9,897.18 | 417,035.24 | 43.19 | 9,853.02 | 425,554.03 | 44.27 | 10,422.24 | 461,381.88 | 45.37 | 10,375.97 | 470,789.57 |
| **II** | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | | **7,720,444.87** | | | **7,786,716.05** | | | **7,626,917.50** | | | **7,732,180.35** | | |
| **Total cost net de operare (€/t)** | | | **141.01** | | | **142.80** | | | **140.43** | | | **142.95** | | |
|  | |  | **2037** | | | **2038** | | | **2039** | | | **2040** | | |
| a | | Costuri de colectare și transport | 122.87 | 53,874.48 | 6,619,801.62 | 124.38 | 53,659.20 | 6,674,305.36 | 126.55 | 53,445.30 | 6,763,625.94 | 128.13 | 53,227.00 | 6,820,157.43 |
| b | | Costuri cu tratarea deșeurilor | 44.21 | 33,991.84 | 1,502,735.50 | 45.06 | 33,866.30 | 1,525,975.75 | 45.92 | 33,741.52 | 1,549,571.53 | 46.89 | 33,615.18 | 1,576,120.79 |
| c | | Costuri cu depozitarea | 25.53 | 21,438.20 | 547,370.74 | 26.17 | 21,363.07 | 559,088.78 | 26.83 | 21,288.38 | 571,062.31 | 27.50 | 21,213.15 | 583,270.44 |
| d | | Costuri cu contribuția pentru economia circulară | 17.47 | 21,438.20 | 374,466.46 | 17.47 | 21,363.07 | 373,154.14 | 17.47 | 21,288.38 | 371,849.43 | 17.47 | 21,213.15 | 370,535.41 |
| **I** | | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | **9,044,374.32** | | | **9,132,524.03** | | | **9,256,109.21** | | | **9,350,084.07** | | |
| e | | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | 20.00 | 25,785.22 | 515,777.48 | 20.48 | 25,683.68 | 525,983.28 | 20.97 | 25,582.77 | 536,371.20 | 21.46 | 25,480.30 | 546,862.88 |
| f | | Venituri din valorificare biogaz/energie | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | | Venituri aferente cotei suportate de OTR | 46.5 | 10,330.02 | 480,382.41 | 47.67 | 10,284.42 | 490,240.96 | 48.86 | 10,239.11 | 500,277.45 | 50.08 | 10,192.86 | 510,441.03 |
| **II** | | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | **8,048,214.43** | | | **8,116,299.79** | | | **8,219,460.56** | | | **8,292,780.16** | | |
| **Total cost net de operare (€/t)** | | | **149.39** | | | **151.26** | | | **153.79** | | | **155.80** | | |

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|  |  | **2041** | | | **2042** | | |
| **Nr. crt.** | **Elemente** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** | **Valoare unitară (€/t)** | **Cantitate de deșeuri** | **Valoare totală (euro)** |
| a | Costuri de colectare și transport | 139.34 | 53,029.84 | 7,388,944.50 | 140.99 | 52,834.61 | 7,449,176.99 |
| b | Costuri cu tratarea deșeurilor | 47.79 | 33,500.86 | 1,601,165.47 | 54.59 | 33,387.64 | 1,822,710.94 |
| c | Costuri cu depozitarea | 28.18 | 21,145.01 | 595,931.83 | 28.89 | 21,077.52 | 608,880.33 |
| d | Costuri cu contribuția pentru economia circulară | 17.47 | 21,145.01 | 369,345.21 | 17.47 | 21,077.52 | 368,166.25 |
| **I** | **TOTAL COSTURI BRUTE DE OPERARE (I=a+b+c+d)** | **9,955,387.01** | | | **10,248,934.51** | | |
| e | Venituri din valorificarea deșeurilor reciclabile, a energie rezultate | 21.97 | 25,387.63 | 557,872.65 | 22.50 | 25,295.86 | 569,088.14 |
| f | Venituri din valorificare biogaz/energie | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| g | Venituri aferente cotei suportate de OTR | 51.33 | 10,151.10 | 521,077.84 | 52.61 | 10,109.74 | 531,910.62 |
| **II** | **TOTAL COSTURI NETE DE OPERARE (II=I-e-f-g)** | **8,876,436.52** | | | **9,147,935.75** | | |
| **Total cost net de operare (€/t)** | | **167.39** | | | **173.14** | | |