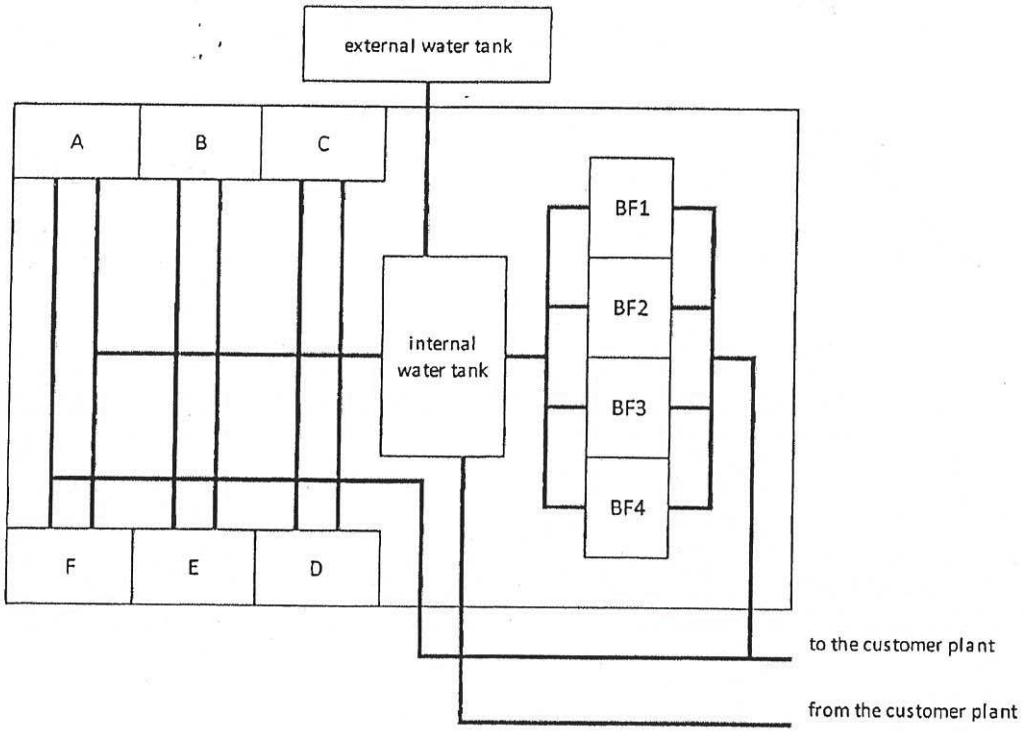
# EXHIBIT 3

# E-CAT MW1 ENERGY PLANT IN MIAMI
# ENERGY MULTIPLE EVALUATION
# FINAL REPORT

## 1. Plant description

The MW1-USA plant under test is installed in Doral, FL 33166, 7861 NW 46th Street and consists of 115 power generation units, grouped in modules.
In figure 1 the thermohydraulic diagram of the plant is reported

**Figure 1: Thermohydraulic diagram of the plant**



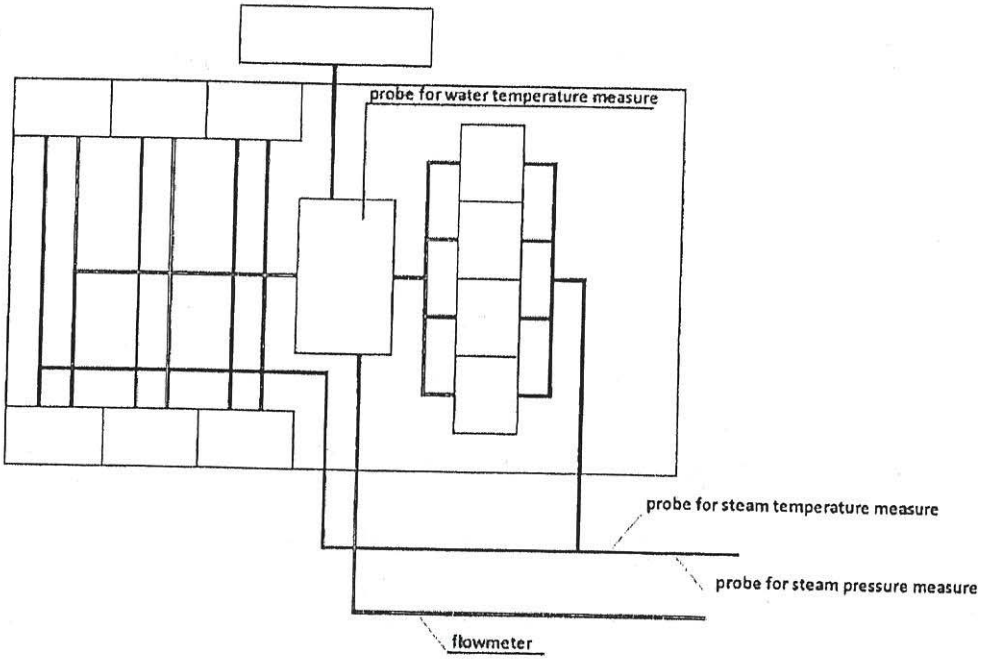

A, B, C, D, E = 9 generator units module
F = 6 generator units module
BF1 = 16 generator units module
BF2, BF3, BF4 = 15 generator units module
_____ water line _____ steam line

Every unit absorbs a power of about 1.1 kW – 2.5 kW
Each unit consists of a reaction chamber, where the nickel powder reacts with the hydrogen in the presence of a catalyst.
Electric heaters heath the reaction chamber and by this way trigger the reaction between nickel and hydrogen.
The power panel regulates the power supply of the electric heaters

The cooling water is contained in a tank, placed inside the plant, that receives the water from an external plant.
It is conveyed by pumps in the units E-Cat, where it is heated to vaporize. The steam is collected in one tube of the steam line, which conveys it to the outside of the shelter.
The steam is then passed through the customer's facility, where it cools up to its condensation.
The water is so recycled to the internal tank in a closed loop. The water is distilled water.
The external tank is connected with the internal tank, by a water line and a floating valve, so that the level of water inside the internal tank is maintained constant. The water flows from the external tank into the internal tank by gravity.

The heating elements of the E-Cat units, the pumps for the water, the internal services to the shelter and the control panel are powered by the public grid

Figure 2: Position of the thermohydraulic measuring instrumentation




In the plant some measuring instruments are installed:
- flowmeter for measuring the flow rate of cooling water inlet into the shelter.
It is located along the line of return of the water, between the plant of the Customer and the 1 MW E-Cat and it is entirely filled with water
- temperature probe for measuring the cooling water temperature at the inlet of the shelter.
It is located in the internal water tank, containing cooling distilled water
- temperature probe for measuring steam temperature at the outlet of the shelter.
It is located along the steam pipe at the outside of the shelter
- pressure probe for measuring steam pressure at the outlet of the shelter.
It is located along the steam pipe at the outside of the shelter

- power analyzer for measuring the power supply.
It is located along the electric power line before the E-Cat

Figure 2 shows where the instrumentation to measure thermohydraulic characteristics is positioned in the thermohydraulic circuit

The measurement equipment has been placed and operates in a manner that it is not necessary to study the client's use of the energy produced or even inquire about such use.

## 2. Calculation of the energy multiple

### *2.1 Calculation of the energy produced ( $E_P$ )*

The energy produced by power generator units is given by the sum of the heat of heating of water, heat of vaporization of water and heat of superheating the steam.

$E_p = E_R + E_V + E_S$

$E_R$ ( energy of heating of water up to100 °C ) = $M_W \times C_{sw} \times ( T_{vw} - T_{iw} )$
where
$M_W$ = mass of water vaporized during the whole test, coming from tank
$T_{iw}$ = inlet temperature of the water, coming from tank
$C_{sw}$ = specific heat of water = 1,14 Wh/(kg°K)
$T_{vw}$ = vaporization temperature of the water = 100 °C

$E_V$ ( energy of vaporization of water ) = $\lambda \times M_W$
$\lambda$ = ( latent energy of vaporization) = 627,5 Wh/kg

$E_S$ ( heating energy of steam ) = $M_S \times C_{ps} \times ( T_{os} - T_{vw} )$
$M_S$ = mass of steam produced during the whole test
$C_{ps}$ = specific heat of steam at constant pressure = 0,542 Wh/kg
$T_{os}$ = outlet temperature of the steam
$T_{vw}$ = vaporization temperature of the water

The values refer to the atmospheric pressure

In order to be conservative:
- it has been not taken into account the heating energy of water and the heating energy of steam
- the temperature of the incoming water has been always considered to be equal to the maximum value of the same, measured during the entire test day
There has been small leaks of water to the inside of the shelter.
Measurement uncertainties have been present during the test
To take this into account the total mass of water transited during the test period has been reduced by 10%.
- the water meter measures in $m^3$ without decimals
The calculation of the COP has been made by transforming $m^3$ in thousand kg of water and using always an approximation by defect.

By this way the mass of water from 0.001 $m^3$ to 0.999 $m^3$ ( i.e. from 1 to 999 kg ) has not be taken in account

Consequently
$E_p = 0.9 \times \lambda \times Mw$

*2.2 Calculation of the energy absorbed ( $E_a$ )*

The energy has been supplied from the public grid
In order to be conservative:
- all the supplied energy was supposed absorbed by the reactors
In reality a part of this energy feeds the pump, which conveys the water from the tank external to the reactors This energy doesn't feed the reactors

*2.3 Calculation of the 'energy multiple'*

$$\text{Energy multiple} = \frac{\text{energy produced } (E_P)}{\text{energy absorbed } (E_A)} = \frac{0.9 \times \lambda \times Mw}{E_A}$$

**3. Test development**

The plant test has been started up on 02/23/2015 at 10.30 p.m.
The energy multiple has been valuated every 24 hours, following physico-mathematical model described in par 2.2
The plant test has been completed on 02/16/2016 at 10.30 a.m.
During the test the ERV has made 4 visits:
- the first on 02/16-18/2015
- the second on 05/18-20/2015
- the third on 10/12-14/2015
- the forth on 02/15-17/2016
During his visits, the ERV was assisted by ing. F. Fabiani and by doc. A. Rossi and, except during the fourth visit, by Mr B. West.

The results are reported in these annexes

| | |
|---|---|
| Annexe 1 | Daily valuation of the energy multiple: February 2015 |
| Annexe 2 | Daily valuation of the energy multiple: March 2015 |
| Annexe 3 | Daily valuation of the energy multiple: April 2015 |
| Annexe 4 | Daily valuation of the energy multiple: May 2015 |
| Annexe 5 | Daily valuation of the energy multiple: June 2015 |
| Annexe 6 | Daily valuation of the energy multiple: July 2015 |
| Annexe 7 | Daily valuation of the energy multiple: August 2015 |
| Annexe 8 | Daily valuation of the energy multiple: September 2015 |
| Annexe 9 | Daily valuation of the energy multiple: October 2015 |
| Annexe 10 | Daily valuation of the energy multiple: November 2015 |
| Annexe 11 | Daily valuation of the energy multiple: December 2015 |
| Annexe 12 | Daily valuation of the energy multiple: January 2016 |
| Annexe 13 | Daily valuation of the energy multiple: February 2016 |

## 4. Data analysis

The test lasted 357 days.
On 04/07/15 during about 24 hours it was not possible to make measurement because of lack of energy supply by public grid
On 06/08/15 for several hours the energy supply has been stopped for safety reasons ( in order to be conservative it has considered 24 hours )
On 07/28/15 for several hours the power analyzer didn't work properly ( in order to be conservative it has considered 24 hours )
On 01/05/16 for several hours the power analyzer didn't work properly ( in order to be conservative it has considered 24 hours )
On 02/15/16 for several hours the power analyzer didn't work properly ( in order to be conservative it has considered 24 hours )

Consequently the measures concern 352 days of functioning plant
During each day of operation, the temperature of the water was always well below 100° C ( see annexes )
During each day of operation, the temperature of the steam was always higher than 100°C ( see annexes )
During each day of operation the 'Energy multiple', was always higher than 6.

Consequently the ERV certifies that for a period of 350 days, not consecutives, the temperature of the steam produced by the plant was greater than 100°C and the Plant consistently produced energy that it is at least six times greater than the energy consumed by the Plant.

Definitely the guaranteed performances standards have been achieved for the test period

Abano Terme, 03/28/2016

POIESIS srl
Dr Ing Fabio Penon

## Final Report Annexe 1: Daily valuation of the energy multiple - FEBRUARY 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 02/23 22.30 | 02/24 22:30 | 1 | 10.29 | 247000 | 69.1 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 82.3 |
| 02/24 22.30 | 02/25 22:30 | 2 | 10.29 | 247000 | 68.6 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.3 |
| 02/25 22.30 | 02/26 22:30 | 3 | 10.42 | 255000 | 68.6 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 79.7 |
| 02/26 22.30 | 02/27 22:30 | 4 | 10.5 | 252000 | 68.6 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.7 |
| 02/27 22.30 | 02/28 22:30 | 5 | 10.59 | 259000 | 69.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 78.5 |

## Final Report Annexe 2: Daily valuation of the energy multiple - MARCH 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 02/28 22.30 | 03/01 22:30 | 6 | 10.59 | 254000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.0 |
| 04/01 22.30 | 04/02 22:30 | 7 | 10.46 | 251000 | 69.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.0 |
| 03/02 22.30 | 03/03 22:30 | 8 | 9.92 | 238000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 85.4 |
| 03/03 22.30 | 03/04 22:30 | 9 | 10.56 | 253000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.4 |
| 03/04 22.30 | 03/05 22:30 | 10 | 10.63 | 255000 | 69.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 79.7 |
| 03/05 22.30 | 03/06 22:30 | 11 | 10.63 | 255000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.7 |
| 03/06 22.30 | 03/07 22:30 | 12 | 10.5 | 252000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.7 |
| 03/07 22.30 | 03/08 22:30 | 13 | 10.59 | 259000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 78.5 |
| 03/08 22.30 | 03/09 22:30 | 14 | 10.21 | 245000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 83.0 |
| 03/09 22.30 | 03/10 22:30 | 15 | 10.67 | 256000 | 69.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 79.4 |
| 03/10 22.30 | 03/11 22:30 | 16 | 10.63 | 255000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 79.7 |
| 03/11 22.30 | 03/12 22:30 | 17 | 10.54 | 253000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.4 |
| 03/12 22.30 | 03/13 22:30 | 18 | 10.63 | 255000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 79.7 |
| 03/13 22.30 | 03/14 22:30 | 19 | 10.63 | 255000 | 69.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.7 |
| 03/14 22.30 | 03/15 22:30 | 20 | 10.5 | 252000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.7 |
| 03/15 22.30 | 03/16 22:30 | 21 | 10.79 | 259000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 78.5 |
| 03/16 22.30 | 03/17 22:30 | 22 | 10.25 | 246000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.6 |

## Final Report Annexe 2: Daily valuation of the energy multiple - MARCH 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/17 22.30 | 03/18 22:30 | 23 | 10.46 | 251000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 81.0 |
| 03/18 22.30 | 03/19 22:30 | 24 | 10.29 | 247000 | 68.6 | 38000 | 34200 | 103.9 | 0.0 | 2.15E+07 | 86.9 |
| 03/19 22.30 | 03/20 22:30 | 25 | 10.63 | 255000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.7 |
| 03/20 22.30 | 03/21 22:30 | 26 | 10.54 | 253000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.4 |
| 03/21 22.30 | 03/22 22:30 | 27 | 10.58 | 255000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.7 |
| 03/22 22.30 | 03/23 22:30 | 28 | 10.63 | 255000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.7 |
| 03/23 22.30 | 03/24 22:30 | 29 | 10.5 | 252000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.7 |
| 03/24 22.30 | 03/25 22:30 | 30 | 10.79 | 259000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 78.5 |
| 03/25 22.30 | 03/26 22:30 | 31 | 10.59 | 254000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.0 |
| 03/26 22.30 | 03/27 22:30 | 32 | 10.46 | 251000 | 66.9 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 81.0 |
| 03/27 22.30 | 03/28 22:30 | 33 | 10.5 | 252000 | 66.9 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.7 |
| 03/28 22.30 | 03/29 22:30 | 34 | 10.54 | 253000 | 68.6 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.4 |
| 03/29 22.30 | 03/30 22:30 | 35 | 10.55 | 258000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 78.8 |
| 03/30 22.30 | 03/31 22:30 | 36 | 10.34 | 248000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.0 |

# Final Report Annexe 3: Daily valuation of the energy multiple - APRIL 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/31 22.30 | 04/01 22:30 | 37 | 10.25 | 246000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.6 |
| 04/01 22.30 | 04/02 22:30 | 38 | 10.29 | 247000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.3 |
| 04/02 22.30 | 04/03 22:30 | 39 | 10.67 | 256000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.4 |
| 04/03 22.30 | 04/04 22:30 | 40 | 10.21 | 247000 | 68 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.3 |
| 04/04 22.30 | 04/05 22:30 | 41 | 10.29 | 247000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.3 |
| 04/05 22.30 | 04/06 22:30 | 42 | 9.96 | 239000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 85.1 |
| 04/06 22.30 | 04/07 22:30 | ot measure | not measured | not measured | not measured | not measured | not measured | not measured | not measured | not measured | ot measured |
| 04/07 22.30 | 04/08 22:30 | 43 | 9.92 | 238000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 85.4 |
| 04/08 22.30 | 04/09 22:30 | 44 | 10.54 | 253000 | 69.1 | 28000 | 25200 | 103.9 | 0.0 | 1.58E+07 | 62.5 |
| 04/09 22.30 | 04/10 22:30 | 45 | 10.55 | 253000 | 69.1 | 38000 | 34200 | 103.9 | 0.0 | 2.15E+07 | 84.8 |
| 04/10 22.30 | 04/11 22:30 | 46 | 10.75 | 258000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 78.8 |
| 04/11 22.30 | 04/12 22:30 | 47 | 10.64 | 253000 | 68.6 | 37000 | 33300 | 103.9 | 0.0 | 2.09E+07 | 82.6 |
| 04/12 22.30 | 04/13 22:30 | 48 | 10.67 | 256000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.4 |
| 04/13 22.30 | 04/14 22:30 | 49 | 10.64 | 255000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.7 |
| 04/14 22.30 | 04/15 22:30 | 50 | 10.5 | 252000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.7 |
| 04/15 22.30 | 04/16 22:30 | 51 | 10.67 | 256000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.4 |
| 04/16 22.30 | 04/17 22:30 | 52 | 10.59 | 254000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.0 |

## Final Report Annexe 3: Daily valuation of the energy multiple - APRIL 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 04/17 22.30 | 04/18 22:30 | 53 | 10.46 | 251000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 81.0 |
| 04/18 22.30 | 04/19 22:30 | 54 | 10.54 | 253000 | 68.6 | 39000 | 35100 | 103.9 | 0.0 | 2.20E+07 | 87.1 |
| 04/19 22.30 | 04/20 22:30 | 55 | 10.67 | 256000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.4 |
| 04/20 22.30 | 04/21 22:30 | 56 | 10.46 | 251000 | 69.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 81.0 |
| 04/21 22.30 | 04/22 22:30 | 57 | 10.67 | 256000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.4 |
| 04/22 22.30 | 04/23 22:30 | 58 | 10.67 | 256000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 79.4 |
| 04/23 22.30 | 04/24 22:30 | 59 | 10.59 | 254000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.0 |
| 04/24 22.30 | 04/25 22:30 | 60 | 10.75 | 258000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 78.8 |
| 04/25 22.30 | 04/26 22:30 | 61 | 10.54 | 253000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.4 |
| 04/26 22.30 | 04/27 22:30 | 62 | 10.55 | 253000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 80.4 |
| 04/27 22.30 | 04/28 22:30 | 63 | 10.34 | 248000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.0 |
| 04/28 22.30 | 04/29 22:30 | 64 | 10.25 | 246000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.6 |
| 04/29 22.30 | 04/30 22:30 | 65 | 10.29 | 247000 | 69.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.3 |

# Final Report Annexe 4: Daily valuation of the energy multiple - MAY 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 04/30 22.30 | 05/01 22:30 | 66 | 10.25 | 246000 | 70.8 | 36000 | 32400 | 103.4 | 0.0 | 2.03E+07 | 82.6 |
| 05/01 22.30 | 05/02 22:30 | 67 | 10.29 | 247000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.3 |
| 05/02 22.30 | 05/03 22:30 | 68 | 10.29 | 247000 | 71.4 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 82.3 |
| 05/03 22.30 | 05/04 22:30 | 69 | 9.96 | 239000 | 69.7 | 35000 | 31500 | 103.9 | 0.0 | 1.98E+07 | 82.7 |
| 05/04 22.30 | 05/05 22:30 | 70 | 10.67 | 256000 | 71.4 | 36000 | 32400 | 103.4 | 0.0 | 2.03E+07 | 79.4 |
| 05/05 22.30 | 05/06 22:30 | 71 | 10.29 | 247000 | 70.3 | 36000 | 32400 | 103.4 | 0.0 | 2.03E+07 | 82.3 |
| 05/06 22.30 | 05/07 22:30 | 72 | 10.21 | 245000 | 70.3 | 35000 | 31500 | 103.9 | 0.0 | 1.98E+07 | 80.7 |
| 05/07 22.30 | 05/08 22:30 | 73 | 10.12 | 243000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 83.7 |
| 05/08 22.30 | 05/09 22:30 | 74 | 10.25 | 246000 | 70.8 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.6 |
| 05/09 22.30 | 05/10 22:30 | 75 | 9.96 | 239000 | 73.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 85.1 |
| 05/10 22.30 | 05/11 22:30 | 76 | 10.33 | 248000 | 70.3 | 32000 | 28800 | 104.5 | 0.0 | 1.81E+07 | 72.9 |
| 05/11 22.30 | 05/12 22:30 | 77 | 10.33 | 244000 | 71.4 | 34000 | 30600 | 104.5 | 0.0 | 1.92E+07 | 78.7 |
| 05/12 22.30 | 05/13 22:30 | 78 | 10.29 | 245000 | 70.8 | 35000 | 31500 | 104.5 | 0.0 | 1.98E+07 | 80.7 |
| 05/13 22.30 | 05/14 22:30 | 79 | 10.25 | 246000 | 70.3 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.6 |
| 05/14 22.30 | 05/15 22:30 | 80 | 10.21 | 245000 | 70.8 | 34000 | 30600 | 104.5 | 0.0 | 1.92E+07 | 78.4 |
| 05/15 22.30 | 05/16 22:30 | 81 | 8.67 | 208000 | 70.3 | 29000 | 26100 | 104.5 | 0.0 | 1.64E+07 | 78.7 |
| 05/16 22.30 | 05/17 22:30 | 82 | 10.28 | 247000 | 69.1 | 38000 | 34200 | 104.5 | 0.0 | 2.15E+07 | 86.9 |

# Final Report Annexe 4: Daily valuation of the energy multiple - MAY 2015

| | | days of functioning | average power supply (Kwh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 05/17 22.30 | 05/18 22:30 | 83 | 10 | 240000 | 70.3 | 29000 | 26100 | 104.5 | 0.0 | 1.64E+07 | 68.2 |
| 05/18 22.30 | 05/19 22:30 | 84 | 10.39 | 249600 | 70.8 | 30000 | 27000 | 104.5 | 0.0 | 1.69E+07 | 67.9 |
| 05/19 22.30 | 05/20 22:30 | 85 | 10.22 | 245100 | 70.3 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.9 |
| 05/20 22.30 | 05/21 22:30 | 86 | 10.09 | 242100 | 69.7 | 36000 | 32400 | 105.1 | 0.0 | 2.03E+07 | 84.0 |
| 05/21 22.30 | 05/22 22:30 | 87 | 10.17 | 244000 | 81.5 | 38000 | 34200 | 105.1 | 0.0 | 2.15E+07 | 88.0 |
| 05/22 22.30 | 05/23 22:30 | 88 | 10.22 | 245200 | 78.4 | 34000 | 30600 | 104.5 | 0.0 | 1.92E+07 | 78.3 |
| 05/23 22.30 | 05/24 22:30 | 89 | 10.46 | 251000 | 78.4 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.0 |
| 05/24 22.30 | 05/25 22:30 | 90 | 10.29 | 247000 | 76.8 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.3 |
| 05/25 22.30 | 05/26 22:30 | 91 | 10.38 | 249000 | 78.4 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 05/26 22.30 | 05/27 22:30 | 92 | 10.59 | 254000 | 80 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.0 |
| 05/27 22.30 | 05/28 22:30 | 93 | 9.75 | 234000 | 81.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 86.9 |
| 05/28 22.30 | 05/29 22:30 | 94 | 10.38 | 249000 | 80 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 05/29 22.30 | 05/30 22:30 | 95 | 9.17 | 220000 | 83 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 92.4 |
| 05/30 22.30 | 05/31 22:30 | 96 | 9.67 | 232000 | 80 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 87.6 |

## Final Report Annexe 5: Daily valuation of the energy multiple - JUNE 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 05/31 22.30 | 06/01 22:30 | 97 | 7791.7 | 187000 | 69.1 | 22000 | 19800 | 104.5 | 0.0 | 1.24E+07 | 66.4 |
| 06/01 22.30 | 06/02 22:30 | 98 | 9208.3 | 221000 | 71.4 | 27000 | 24300 | 104.5 | 0.0 | 1.52E+07 | 69.0 |
| 06/02 22.30 | 06/03 22:30 | 99 | 8458.3 | 203000 | 69.7 | 26000 | 23400 | 104.5 | 0.0 | 1.47E+07 | 72.3 |
| 06/03 22.30 | 06/04 22:30 | 100 | 6750.0 | 162000 | 71.4 | 27000 | 24300 | 104.5 | 0.0 | 1.52E+07 | 94.1 |
| 06/04 22.30 | 06/05 22:30 | 101 | 7750.0 | 186000 | 70.3 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 82.0 |
| 06/05 22.30 | 06/06 22:30 | 102 | 9750.0 | 234000 | 70.3 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 86.9 |
| 06/06 22.30 | 06/07 22:30 | 103 | 8916.7 | 214000 | 70.3 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 95.0 |
| 06/07 22.30 | 06/08 22:30 | - | 8125.0 | 195000 | 70.8 | 36000 | 32400 | 103.4 | 0.0 | 2.03E+07 | 104.3 |
| 06/08 22.30 | 06/09 22:30 | 104 | 8000.0 | 192000 | 70.3 | 27000 | 24300 | 103.4 | 0.0 | 1.52E+07 | 79.4 |
| 06/09 22.30 | 06/10 22:30 | 105 | 7958.3 | 191000 | 70.3 | 18000 | 16200 | 103.9 | 0.0 | 1.02E+07 | 53.2 |
| 06/10 22.30 | 06/11 22:30 | 106 | 8083.3 | 194000 | 69.1 | 36000 | 32400 | 103.4 | 0.0 | 2.03E+07 | 104.8 |
| 06/11 22.30 | 06/12 22:30 | 107 | 8375.0 | 201000 | 70.3 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 75.9 |
| 06/12 22.30 | 06/13 22:30 | 108 | 8875.0 | 213000 | 69.7 | 27000 | 24300 | 104.5 | 0.0 | 1.52E+07 | 71.6 |
| 06/13 22.30 | 06/14 22:30 | 109 | 8208.3 | 197000 | 71.4 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 77.4 |
| 06/14 22.30 | 06/15 22:30 | 110 | 8541.7 | 205000 | 69.7 | 33000 | 29700 | 103.9 | 0.0 | 1.86E+07 | 90.9 |
| 06/15 22.30 | 06/16 22:30 | 111 | 8458.3 | 203000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.2 |
| 06/16 22.30 | 06/17 22:30 | 112 | 8416.7 | 202000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.6 |

# Final Report Annexe 5: Daily valuation of the energy multiple - JUNE 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/17 22.30 | 06/18 22:30 | 113 | 8416.7 | 202000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.6 |
| 06/18 22.30 | 06/19 22:30 | 114 | 8416.7 | 202000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.6 |
| 06/19 22.30 | 06/20 22:30 | 115 | 8416.7 | 202000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.6 |
| 06/20 22.30 | 06/21 22:30 | 116 | 8416.7 | 202000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.6 |
| 06/21 22.30 | 06/22 22:30 | 117 | 8375.0 | 201000 | 68.5 | 34000 | 30600 | 103.9 | 0.0 | 1.92E+07 | 95.5 |
| 06/22 22.30 | 06/23 22:30 | 118 | 8416.7 | 202000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.6 |
| 06/23 22.30 | 06/24 22:30 | 119 | 8500.0 | 204000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.7 |
| 06/24 22.30 | 06/25 22:30 | 120 | 8458.3 | 203000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 100.2 |
| 06/25 22.30 | 06/26 22:30 | 121 | 8500.0 | 204000 | 69.7 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 99.7 |
| 06/26 22.30 | 06/27 22:30 | 122 | 8583.3 | 206000 | 70.2 | 26000 | 23400 | 104.5 | 0.0 | 1.47E+07 | 71.3 |
| 06/27 22.30 | 06/28 22:30 | 123 | 8750.0 | 210000 | 70.8 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 96.8 |
| 06/28 22.30 | 06/29 22:30 | 124 | 8750.0 | 210000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 96.8 |
| 06/29 22.30 | 06/30 22:30 | 125 | 8541.7 | 205000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.2 |

## Final Report Annexe 6: Daily valuation of the energy multiple - JULY 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/30 22.30 | 07/01 22:30 | 126 | 8500.0 | 204000 | 75.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.7 |
| 07/01 22.30 | 07/02 22:30 | 127 | 8541.7 | 205000 | 69.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.2 |
| 07/02 22.30 | 07/03 22.30 | 128 | 8583.3 | 206000 | 71.4 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 98.7 |
| 07/03 22.30 | 07/04 22:30 | 129 | 8458.3 | 203000 | 73.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 100.2 |
| 07/04 22.30 | 07/05 22:30 | 130 | 8333.3 | 200000 | 75.3 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 101.7 |
| 07/05 22.30 | 07/06 22:30 | 131 | 8500.0 | 204000 | 70.3 | 36000 | 32400 | 103.3 | 0.0 | 2.03E+07 | 99.7 |
| 07/06 22.30 | 07/07 22:30 | 132 | 8416.7 | 202000 | 70.3 | 36000 | 32400 | 103.3 | 0.0 | 2.03E+07 | 100.6 |
| 07/07 22.30 | 07/08 22:30 | 133 | 8416.7 | 202000 | 70.3 | 36000 | 32400 | 102.8 | 0.0 | 2.03E+07 | 100.6 |
| 07/08 22.30 | 07/09 22:30 | 134 | 8500.0 | 204000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.7 |
| 07/09 22.30 | 07/10 22:30 | 135 | 8500.0 | 204000 | 73.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.7 |
| 07/10 22.30 | 07/11 22:30 | 136 | 8333.3 | 200000 | 75.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 101.7 |
| 07/11 22.30 | 07/12 22:30 | 137 | 8458.3 | 203000 | 71.4 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 100.2 |
| 07/12 22.30 | 07/13 22:30 | 138 | 8458.3 | 203000 | 70.8 | 32000 | 28800 | 104.3 | 0.0 | 1.81E+07 | 89.0 |
| 07/13 22.30 | 07/14 22:30 | 139 | 8500.0 | 204000 | 75.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.7 |
| 07/14 22.30 | 07/15 22:30 | 140 | 8708.3 | 209000 | 75.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 97.3 |
| 07/15 22.30 | 07/16 22:30 | 141 | 8666.7 | 208000 | 70.3 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 97.7 |
| 07/16 22.30 | 07/17 22:30 | 142 | 8708.3 | 209000 | 67.43 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 97.3 |

## Final Report Annexe 6: Daily valuation of the energy multiple - JULY 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/17 22.30 | 07/18 22:30 | 143 | 8708.3 | 209000 | 69.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 97.3 |
| 07/18 22.30 | 07/19 22:30 | 144 | 8708.3 | 209000 | 75.3 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 97.3 |
| 07/19 22.30 | 07/20 22:30 | 145 | 8666.7 | 208000 | 73.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 97.7 |
| 07/20 22.30 | 07/21 22:30 | 146 | 8625.0 | 207000 | 69.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 98.2 |
| 07/21 22.30 | 07/22 22:30 | 147 | 8625.0 | 207000 | 81.5 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 98.2 |
| 07/22 22.30 | 07/23 22:30 | 148 | 8541.7 | 205000 | 78.4 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 99.2 |
| 07/23 22.30 | 07/24 22:30 | 149 | 8583.3 | 206000 | 78.4 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 98.7 |
| 07/24 22.30 | 07/25 22:30 | 150 | 8500.0 | 204000 | 76.8 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 99.7 |
| 07/25 22.30 | 07/26 22:30 | 151 | 8500.0 | 204000 | 78.4 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 99.7 |
| 07/26 22.30 | 07/27 22:30 | 152 | 9125.0 | 219000 | 78.4 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 92.8 |
| 07/27 22.30 | 07/28 22:30 | - | 6083.3 | 146000 | 81.5 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 139.3 |
| 07/28 22.30 | 07/29 22:30 | 153 | 6458.3 | 155000 | 75.3 | 31000 | 27900 | 103.5 | 0.0 | 1.75E+07 | 113.0 |
| 07/29 22.30 | 07/30 22:30 | 154 | 5958.3 | 143000 | 83.1 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 106.6 |
| 07/30 22.30 | 07/31 22:30 | 155 | 6375.0 | 153000 | 80 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 132.9 |

# Final Report Annexe 7: Daily valuation of the energy multiple - AUGUST 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/31 22.30 | 08/01 22:30 | 156 | 6291.7 | 151000 | 76.8 | 36000 | 32400 | 103 | 0.0 | 2.03E+07 | 134.6 |
| 08/01 22.30 | 08/02 22:30 | 157 | 6208.3 | 149000 | 68.6 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 136.4 |
| 08/02 22.30 | 08/03 22.30 | 158 | 6125.0 | 147000 | 68.6 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 103.7 |
| 08/03 22.30 | 08/04 22:30 | 159 | 5750.0 | 138000 | 68.6 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 110.5 |
| 08/04 22.30 | 08/05 22:30 | 160 | 6458.3 | 155000 | 69.1 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 98.4 |
| 08/05 22.30 | 08/06 22:30 | 161 | 6291.7 | 151000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 134.6 |
| 08/06 22.30 | 08/07 22:30 | 162 | 6291.7 | 151000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 134.6 |
| 08/07 22.30 | 08/08 22:30 | 163 | 5958.3 | 143000 | 70.8 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 142.2 |
| 08/08 22.30 | 08/09 22:30 | 164 | 5708.3 | 137000 | 70.3 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 111.3 |
| 08/09 22.30 | 08/10 22:30 | 165 | 5875.0 | 141000 | 69.7 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 108.1 |
| 08/10 22.30 | 08/11 22:30 | 166 | 6125.0 | 147000 | 70.3 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 103.7 |
| 08/11 22.30 | 08/12 22:30 | 167 | 6166.7 | 148000 | 69.7 | 29000 | 26100 | 103.5 | 0.0 | 1.64E+07 | 110.7 |
| 08/12 22.30 | 08/13 22:30 | 168 | 6125.0 | 147000 | 69.1 | 29000 | 26100 | 103.9 | 0.0 | 1.64E+07 | 111.4 |
| 08/13 22.30 | 08/14 22:30 | 169 | 6125.0 | 147000 | 69.7 | 29000 | 26100 | 103.9 | 0.0 | 1.64E+07 | 111.4 |
| 08/14 22.30 | 08/15 22:30 | 170 | 6125.0 | 147000 | 69.7 | 29000 | 26100 | 103.9 | 0.0 | 1.64E+07 | 111.4 |
| 08/15 22.30 | 08/16 22:30 | 171 | 6083.3 | 146000 | 69.7 | 29000 | 26100 | 103.5 | 0.0 | 1.64E+07 | 112.2 |
| 08/16 22.30 | 08/17 22:30 | 172 | 6125.0 | 147000 | 69.7 | 29000 | 26100 | 103.5 | 0.0 | 1.64E+07 | 111.4 |

## Final Report Annexe 7: Daily valuation of the energy multiple - AUGUST 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/17 22.30 | 08/18 22:30 | 173 | 5958.3 | 143000 | 69.7 | 29000 | 26100 | 103.5 | 0.0 | 1.64E+07 | 114.5 |
| 08/18 22.30 | 08/19 22:30 | 174 | 5666.7 | 136000 | 66.7 | 29000 | 26100 | 103.5 | 0.0 | 1.64E+07 | 120.4 |
| 08/19 22.30 | 08/20 22:30 | 175 | 5625.0 | 135000 | 65.9 | 29000 | 26100 | 103 | 0.0 | 1.64E+07 | 121.3 |
| 08/20 22.30 | 08/21 22:30 | 176 | 5625.0 | 135000 | 62 | 29000 | 26100 | 103.9 | 0.0 | 1.64E+07 | 121.3 |
| 08/21 22.30 | 08/22 22:30 | 177 | 5666.7 | 136000 | 60.9 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 112.1 |
| 08/22 22.30 | 08/23 22:30 | 178 | 5708.3 | 137000 | 65.9 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 111.3 |
| 08/23 22.30 | 08/24 22:30 | 179 | 5666.7 | 136000 | 65.9 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 112.1 |
| 08/24 22.30 | 08/25 22:30 | 180 | 5666.7 | 136000 | 60.9 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 112.1 |
| 08/25 22.30 | 08/26 22:30 | 181 | 5625.0 | 135000 | 60.2 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 113.0 |
| 08/26 22.30 | 08/27 22:30 | 182 | 5625.0 | 135000 | 59.8 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 113.0 |
| 08/27 22.30 | 08/28 22:30 | 183 | 5583.3 | 134000 | 59.0 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 113.8 |
| 08/28 22.30 | 08/29 22:30 | 184 | 5583.3 | 134000 | 56.8 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 113.8 |
| 08/29 22.30 | 08/30 22:30 | 185 | 5625.0 | 135000 | 62.8 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 113.0 |
| 08/30 22.30 | 08/31 22:30 | 186 | 5625.0 | 135000 | 58.5 | 27000 | 24300 | 103.9 | 0.0 | 1.52E+07 | 113.0 |

## Final Report Annexe 8: Daily valuation of the energy multiple - SEPTEMBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/31 22.30 | 09/01 22:30 | 187 | 5583.3 | 134000 | 56.4 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 113.8 |
| 09/01 22.30 | 09/02 22:30 | 188 | 5625.0 | 135000 | 58 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 113.0 |
| 09/02 22.30 | 09/03 22.30 | 189 | 5583.3 | 134000 | 58 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 113.8 |
| 09/03 22.30 | 09/04 22:30 | 190 | 5666.7 | 136000 | 58 | 27000 | 24300 | 103.8 | 0.0 | 1.52E+07 | 112.1 |
| 09/04 22.30 | 09/05 22:30 | 191 | 5625.0 | 135000 | 58 | 27000 | 24300 | 103.8 | 0.0 | 1.52E+07 | 113.0 |
| 09/05 22.30 | 09/06 22:30 | 192 | 5708.3 | 137000 | 58 | 27000 | 24300 | 103.8 | 0.0 | 1.52E+07 | 111.3 |
| 09/06 22.30 | 09/07 22:30 | 193 | 5708.3 | 137000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 111.3 |
| 09/07 22.30 | 09/08 22:30 | 194 | 5708.3 | 137000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 111.3 |
| 09/08 22.30 | 09/09 22:30 | 195 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/09 22.30 | 09/10 22:30 | 196 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/10 22.30 | 09/11 22:30 | 197 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/11 22.30 | 09/12 22:30 | 198 | 5583.3 | 134000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.8 |
| 09/12 22.30 | 09/13 22:30 | 199 | 5625.0 | 135000 | 58 | 28000 | 25200 | 104.2 | 0.0 | 1.58E+07 | 117.1 |
| 09/13 22.30 | 09/14 22:30 | 200 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/14 22.30 | 09/15 22:30 | 201 | 5583.3 | 134000 | 58 | 27000 | 24300 | 103.8 | 0.0 | 1.52E+07 | 113.8 |
| 09/15 22.30 | 09/16 22:30 | 202 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/16 22.30 | 09/17 22:30 | 203 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |

## Final Report Annexe 8: Daily valuation of the energy multiple - SEPTEMBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy wh/d | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy (wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/17 22.30 | 09/18 22:30 | 204 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/18 22.30 | 09/19 22:30 | 205 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/19 22.30 | 09/20 22:30 | 206 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/20 22.30 | 09/21 22:30 | 207 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/21 22.30 | 09/22 22:30 | 208 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/22 22.30 | 09/23 22:30 | 209 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/23 22.30 | 09/24 22:30 | 210 | 5583.3 | 134000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.8 |
| 09/24 22.30 | 09/25 22:30 | 211 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/25 22.30 | 09/26 22:30 | 212 | 5666.7 | 136000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 112.1 |
| 09/26 22.30 | 09/27 22:30 | 213 | 5625.0 | 135000 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 113.0 |
| 09/27 22.30 | 09/28 22:30 | 214 | 6166.7 | 148000 | 58 | 28000 | 25200 | 104.2 | 0.0 | 1.58E+07 | 106.8 |
| 09/28 22.30 | 09/29 22:30 | 215 | 6104.2 | 146500 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 104.1 |
| 09/29 22.30 | 09/30 22:30 | 216 | 5687.5 | 136500 | 58 | 27000 | 24300 | 104.2 | 0.0 | 1.52E+07 | 111.7 |

# Final Report Annexe 9: Daily valuation of the energy multiple - OCTOBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09/30 22.30 | 10/01 22:30 | 217 | 7625.0 | 183000 | 70.7 | 27000 | 24300 | 103.5 | 0.0 | 1.52E+07 | 83.3 |
| 10/01 22.30 | 10/02 22:30 | 218 | 10333.3 | 248000 | 70.7 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 82.0 |
| 10/02 22.30 | 10/03 22.30 | 219 | 11166.7 | 268000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 75.9 |
| 10/03 22.30 | 10/04 22:30 | 220 | 11000.0 | 264000 | 70.7 | 36000 | 32400 | 104.2 | 0.0 | 2.03E+07 | 77.0 |
| 10/04 22.30 | 10/05 22:30 | 221 | 11041.7 | 265000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 76.7 |
| 10/05 22.30 | 10/06 22:30 | 222 | 11250.0 | 270000 | 70.7 | 36000 | 32400 | 104.2 | 0.0 | 2.03E+07 | 75.3 |
| 10/06 22.30 | 10/07 22:30 | 223 | 11458.3 | 275000 | 70.3 | 36000 | 32400 | 104 | 0.0 | 2.03E+07 | 73.9 |
| 10/07 22.30 | 10/08 22:30 | 224 | 11458.3 | 275000 | 70 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 73.9 |
| 10/08 22.30 | 10/09 22:30 | 225 | 11250.0 | 270000 | 70 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 75.3 |
| 10/09 22.30 | 10/10 22:30 | 226 | 11250.0 | 270000 | 70 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 75.3 |
| 10/10 22.30 | 10/11 22:30 | 227 | 11458.3 | 275000 | 70.3 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 73.9 |
| 10/11 22.30 | 10/12 22:30 | 228 | 11500.0 | 276000 | 70 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 73.7 |
| 10/12 22.30 | 10/13 22:30 | 229 | 11474.2 | 275380 | 70.3 | 36000 | 32400 | 104 | 0.0 | 2.03E+07 | 73.8 |
| 10/13 22.30 | 10/14 22:30 | 230 | 11470.8 | 275300 | 70 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 73.9 |
| 10/14 22.30 | 10/15 22:30 | 231 | 11483.3 | 275600 | 70.3 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 73.8 |
| 10/15 22.30 | 10/16 22:30 | 232 | 11493.8 | 275850 | 70.3 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 73.7 |
| 10/16 22.30 | 10/17 22:30 | 233 | 11416.7 | 274000 | 70.3 | 36000 | 32400 | 104.3 | 0.0 | 2.03E+07 | 74.2 |

## Final Report Annexe 9: Daily valuation of the energy multiple - OCTOBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/17 22.30 | 10/18 22:30 | 234 | 11458.3 | 275000 | 70.3 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 73.9 |
| 10/18 22.30 | 10/19 22:30 | 235 | 11208.3 | 269000 | 70.7 | 36000 | 32400 | 104.2 | 0.0 | 2.03E+07 | 75.6 |
| 10/19 22.30 | 10/20 22:30 | 236 | 11208.3 | 269000 | 70.3 | 36000 | 32400 | 104 | 0.0 | 2.03E+07 | 75.6 |
| 10/20 22.30 | 10/21 22:30 | 237 | 11333.3 | 272000 | 70.3 | 36000 | 32400 | 104 | 0.0 | 2.03E+07 | 74.7 |
| 10/21 22.30 | 10/22 22:30 | 238 | 11333.3 | 272000 | 70.3 | 36000 | 32400 | 104 | 0.0 | 2.03E+07 | 74.7 |
| 10/22 22.30 | 10/23 22:30 | 239 | 11375.0 | 273000 | 70.3 | 36000 | 32400 | 104.3 | 0.0 | 2.03E+07 | 74.5 |
| 10/23 22.30 | 10/24 22:30 | 240 | 11375.0 | 273000 | 70.3 | 36000 | 32400 | 104.3 | 0.0 | 2.03E+07 | 74.5 |
| 10/24 22.30 | 10/25 22:30 | 241 | 11375.0 | 273000 | 70.7 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 74.5 |
| 10/25 22.30 | 10/26 22:30 | 242 | 11333.3 | 272000 | 70.7 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 74.7 |
| 10/26 22.30 | 10/27 22:30 | 243 | 11250.0 | 270000 | 71.1 | 36000 | 32400 | 104 | 0.0 | 2.03E+07 | 75.3 |
| 10/27 22.30 | 10/28 22:30 | 244 | 11375.0 | 273000 | 71.1 | 36000 | 32400 | 104.3 | 0.0 | 2.03E+07 | 74.5 |
| 10/28 22.30 | 10/29 22:30 | 245 | 11291.7 | 271000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 75.0 |
| 10/29 22.30 | 10/30 22:30 | 246 | 11250.0 | 270000 | 71.1 | 36000 | 32400 | 104.2 | 0.0 | 2.03E+07 | 75.3 |
| 10/30 22.30 | 10/31 22:30 | 247 | 11375.0 | 273000 | 70.7 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 74.5 |

## Final Report Annexe 10: Daily valuation of the energy multiple - NOVEMBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/31 22.30 | 11/01 22:30 | 248 | 11125.0 | 267000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 76.1 |
| 11/01 22.30 | 11/02 22:30 | 249 | 11125.0 | 267000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 76.1 |
| 11/02 22.30 | 11/03 22.30 | 250 | 11041.7 | 265000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 76.7 |
| 11/03 22.30 | 11/04 22:30 | 251 | 11208.3 | 269000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 75.6 |
| 11/04 22.30 | 11/05 22:30 | 252 | 11208.3 | 269000 | 71.1 | 36000 | 32400 | 104.3 | 0.0 | 2.03E+07 | 75.6 |
| 11/05 22.30 | 11/06 22:30 | 253 | 11208.3 | 269000 | 71.1 | 36000 | 32400 | 104.1 | 0.0 | 2.03E+07 | 75.6 |
| 11/06 22.30 | 11/07 22:30 | 254 | 11125.0 | 267000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 76.1 |
| 11/07 22.30 | 11/08 22:30 | 255 | 10958.3 | 263000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 77.3 |
| 11/08 22.30 | 11/09 22:30 | 256 | 11000.0 | 264000 | 71.1 | 39000 | 35100 | 104.4 | 0.0 | 2.20E+07 | 83.4 |
| 11/09 22.30 | 11/10 22:30 | 257 | 10958.3 | 263000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 77.3 |
| 11/10 22.30 | 11/11 22:30 | 258 | 10958.3 | 263000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 77.3 |
| 11/11 22.30 | 11/12 22:30 | 259 | 10916.7 | 262000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 77.6 |
| 11/12 22.30 | 11/13 22:30 | 260 | 11166.7 | 268000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 75.9 |
| 11/13 22.30 | 11/14 22:30 | 261 | 11125.0 | 267000 | 71.1 | 36000 | 32400 | 103.7 | 0.0 | 2.03E+07 | 76.1 |
| 11/14 22.30 | 11/15 22:30 | 262 | 11333.3 | 272000 | 71.1 | 36000 | 32400 | 104.4 | 0.0 | 2.03E+07 | 74.7 |
| 11/15 22.30 | 11/16 22:30 | 263 | 11333.3 | 272000 | 71.1 | 36000 | 32400 | 104.1 | 0.0 | 2.03E+07 | 74.7 |
| 11/16 22.30 | 11/17 22:30 | 264 | 11375.0 | 273000 | 71.1 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 74.5 |

## Final Report Annexe 10: Daily valuation of the energy multiple - NOVEMBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/17 22.30 | 11/18 22:30 | 265 | 11083.3 | 266000 | 71.1 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 76.4 |
| 11/18 22.30 | 11/19 22:30 | 266 | 11404.2 | 273700 | 71.1 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 74.3 |
| 11/19 22.30 | 11/20 22:30 | 267 | 11358.3 | 272600 | 71.1 | 36000 | 32400 | 103.7 | 0.0 | 2.03E+07 | 74.6 |
| 11/20 22.30 | 11/21 22:30 | 268 | 11266.7 | 270400 | 71.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 75.2 |
| 11/21 22.30 | 11/22 22:30 | 269 | 11262.5 | 270300 | 71.1 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 75.2 |
| 11/22 22.30 | 11/23 22:30 | 270 | 11333.3 | 272000 | 71.1 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 74.7 |
| 11/23 22.30 | 11/24 22:30 | 271 | 11291.7 | 271000 | 71.1 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 75.0 |
| 11/24 22.30 | 11/25 22:30 | 272 | 11291.7 | 271000 | 71.1 | 36000 | 32400 | 103.5 | 0.0 | 2.03E+07 | 75.0 |
| 11/25 22.30 | 11/26 22:30 | 273 | 11166.7 | 268000 | 71.4 | 36000 | 32400 | 103.7 | 0.0 | 2.03E+07 | 75.9 |
| 11/26 22.30 | 11/27 22:30 | 274 | 11083.3 | 266000 | 71.4 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 76.4 |
| 11/27 22.30 | 11/28 22:30 | 275 | 11125.0 | 267000 | 71.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 76.1 |
| 11/28 22.30 | 11/29 22:30 | 276 | 11083.3 | 266000 | 71.1 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 76.4 |
| 11/29 22.30 | 11/30 22:30 | 277 | 11083.3 | 266000 | 71.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 76.4 |

## Final Report Annexe 11: Daily valuation of the energy multiple - DECEMBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/30 22.30 | 12/01 22:30 | 278 | 11166.7 | 268000 | 71.1 | 36000 | 32400 | 104.8 | 0.0 | 2.03E+07 | 75.9 |
| 12/01 22.30 | 12/02 22:30 | 279 | 9666.7 | 232000 | 69.4 | 26000 | 23400 | 104.7 | 0.0 | 1.47E+07 | 63.3 |
| 12/02 22.30 | 12/03 22.30 | 280 | 8416.7 | 202000 | 69.8 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 69.9 |
| 12/03 22.30 | 12/04 22:30 | 281 | 8250.0 | 198000 | 69.8 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 71.3 |
| 12/04 22.30 | 12/05 22:30 | 282 | 8250.0 | 198000 | 70.2 | 25000 | 22500 | 104.7 | 0.0 | 1.41E+07 | 71.3 |
| 12/05 22.30 | 12/06 22:30 | 283 | 8416.7 | 202000 | 70.5 | 25000 | 22500 | 104.7 | 0.0 | 1.41E+07 | 69.9 |
| 12/06 22.30 | 12/07 22:30 | 284 | 8250.0 | 198000 | 70.5 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 71.3 |
| 12/07 22.30 | 12/08 22:30 | 285 | 8458.3 | 203000 | 70.9 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 69.6 |
| 12/08 22.30 | 12/09 22:30 | 286 | 8250.0 | 198000 | 70.5 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 71.3 |
| 12/09 22.30 | 12/10 22:30 | 287 | 8458.3 | 203000 | 70.5 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 69.6 |
| 12/10 22.30 | 12/11 22:30 | 288 | 8208.3 | 197000 | 70.5 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 71.7 |
| 12/11 22.30 | 12/12 22:30 | 289 | 8416.7 | 202000 | 70.5 | 25000 | 22500 | 104.7 | 0.0 | 1.41E+07 | 69.9 |
| 12/12 22.30 | 12/13 22:30 | 290 | 8333.3 | 200000 | 70.5 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 70.6 |
| 12/13 22.30 | 12/14 22:30 | 291 | 8333.3 | 200000 | 70.5 | 25000 | 22500 | 104.8 | 0.0 | 1.41E+07 | 70.6 |
| 12/14 22.30 | 12/15 22:30 | 292 | 8333.3 | 200000 | 70.5 | 25000 | 22500 | 104.9 | 0.0 | 1.41E+07 | 70.6 |
| 12/15 22.30 | 12/16 22:30 | 293 | 8333.3 | 200000 | 70.5 | 25000 | 22500 | 105 | 0.0 | 1.41E+07 | 70.6 |
| 12/16 22.30 | 12/17 22:30 | 294 | 8291.7 | 199000 | 70.5 | 25000 | 22500 | 104.5 | 0.0 | 1.41E+07 | 70.9 |

## Final Report Annexe 11: Daily valuation of the energy multiple - DECEMBER 2015

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/17 22.30 | 12/18 22:30 | 295 | 8291.7 | 199000 | 70.5 | 25000 | 22500 | 104.5 | 0.0 | 1.41E+07 | 70.9 |
| 12/18 22.30 | 12/19 22:30 | 296 | 8208.3 | 197000 | 70.2 | 25000 | 22500 | 104.5 | 0.0 | 1.41E+07 | 71.7 |
| 12/19 22.30 | 12/20 22:30 | 297 | 8375.0 | 201000 | 70.2 | 25000 | 22500 | 104.6 | 0.0 | 1.41E+07 | 70.2 |
| 12/20 22.30 | 12/21 22:30 | 298 | 8291.7 | 199000 | 70.2 | 25000 | 22500 | 104.5 | 0.0 | 1.41E+07 | 70.9 |
| 12/21 22.30 | 12/22 22:30 | 299 | 10375.0 | 249000 | 70.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 12/22 22.30 | 12/23 22:30 | 300 | 10458.3 | 251000 | 70.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.0 |
| 12/23 22.30 | 12/24 22:30 | 301 | 10375.0 | 249000 | 70.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 12/24 22.30 | 12/25 22:30 | 302 | 10458.3 | 251000 | 70.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.0 |
| 12/25 22.30 | 12/26 22:30 | 303 | 10375.0 | 249000 | 69.8 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.7 |
| 12/26 22.30 | 12/27 22:30 | 304 | 10458.3 | 251000 | 69.8 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.0 |
| 12/27 22.30 | 12/28 22:30 | 305 | 10375.0 | 249000 | 69.8 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 12/28 22.30 | 12/29 22:30 | 306 | 10416.7 | 250000 | 69.8 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.3 |
| 12/29 22.30 | 12/30 22:30 | 307 | 10458.3 | 251000 | 69.8 | 36000 | 32400 | 104.8 | 0.0 | 2.03E+07 | 81.0 |
| 12/30 22.30 | 12/31 22:30 | 308 | 10790.0 | 259000 | 70.2 | 36000 | 32400 | 104.8 | 0.0 | 2.03E+07 | 78.5 |

# Final Report Annexe 12: Daily valuation of the energy multiple - JANUARY 2016

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/31 22.30 | 01/01 22:30 | 309 | 10458.3 | 251000 | 70.1 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.0 |
| 01/01 22.30 | 01/02 22:30 | 310 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/02 22.30 | 01/03 22.30 | 311 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/03 22.30 | 01/04 22:30 | 312 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/04 22.30 | 01/05 22:30 | - | NR | NR | 68.9 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | NR |
| 01/05 22.30 | 01/06 22:30 | 313 | 10375.0 | 249000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/06 .22.30 | 01/07 22:30 | 314 | 10375.0 | 249000 | 69.6 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/07 22.30 | 01/08 22:30 | 315 | 10500.0 | 252000 | 69.6 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.7 |
| 01/08 22.30 | 01/09 22:30 | 316 | 10416.7 | 250000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.3 |
| 01/09 22.30 | 01/10 22:30 | 317 | 10458.3 | 251000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.0 |
| 01/10 22.30 | 01/11 22:30 | 318 | 10416.7 | 250000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.3 |
| 01/11 22.30 | 01/12 22:30 | 319 | 10291.7 | 247000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.3 |
| 01/12 22.30 | 01/13 22:30 | 320 | 10416.7 | 250000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.3 |
| 01/13 22.30 | 01/14 22:30 | 321 | 10500.0 | 252000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 80.7 |
| 01/14 22.30 | 01/15 22:30 | 322 | 10333.3 | 248000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.0 |
| 01/15 22.30 | 01/16 22:30 | 323 | 10291.7 | 247000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.3 |
| 01/16 22.30 | 01/17 22:30 | 324 | 10416.7 | 250000 | 69.2 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.3 |

## Final Report Annexe 12: Daily valuation of the energy multiple - JANUARY 2016

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 01/17 22.30 | 01/18 22:30 | 325 | 10375.0 | 249000 | 69.2 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/18 22.30 | 01/19 22:30 | 326 | 10375.0 | 249000 | 68.9 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/19 22.30 | 01/20 22:30 | 327 | 10291.7 | 247000 | 68.9 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.3 |
| 01/20 22.30 | 01/21 22:30 | 328 | 10333.3 | 248000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.0 |
| 01/21 22.30 | 01/22 22:30 | 329 | 10375.0 | 249000 | 68.9 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 81.7 |
| 01/22 22.30 | 01/23 22:30 | 330 | 10333.3 | 248000 | 68.9 | 36000 | 32400 | 103.7 | 0.0 | 2.03E+07 | 82.0 |
| 01/23 22.30 | 01/24 22:30 | 331 | 10416.7 | 250000 | 68.9 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 81.3 |
| 01/24 22.30 | 01/25 22:30 | 332 | 10250.0 | 246000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.6 |
| 01/25 22.30 | 01/26 22:30 | 333 | 10333.3 | 248000 | 68.5 | 36000 | 32400 | 104.5 | 0.0 | 2.03E+07 | 82.0 |
| 01/26 22.30 | 01/27 22:30 | 334 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.7 |
| 01/27 22.30 | 01/28 22:30 | 335 | 10458.3 | 251000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.0 |
| 01/28 22.30 | 01/29 22:30 | 336 | 10458.3 | 251000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.0 |
| 01/29 22.30 | 01/30 22:30 | 337 | 10416.7 | 250000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.3 |
| 01/30 22.30 | 01/31 22:30 | 338 | 10333.3 | 248000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 82.0 |

## Final Report Annexe 13: Daily valuation of the energy multiple - FEBRUARY 2016

| | | days of functioning | average power supply (wh/h) | supplied energy (wh/d) | tank water T max (°C) | effective flowed water( Kg/d) | reduced flowed water ( kg/d) | steam T min ( °C) | steam pressure (bar) | produced energy ( wh/d) | COP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 01/31 22.30 | 02/01 22:30 | 339 | 10291.7 | 247000 | 68.1 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 82.3 |
| 02/01 22.30 | 02/02 22:30 | 340 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 81.7 |
| 02/02 22.30 | 02/03 22.30 | 341 | 10375.0 | 249000 | 69.2 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 81.7 |
| 02/03 22.30 | 02/04 22:30 | 342 | 10375.0 | 249000 | 69.6 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 81.7 |
| 02/04 22.30 | 02/05 22:30 | 343 | 10500.0 | 252000 | 70 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 80.7 |
| 02/05 22.30 | 02/06 22:30 | 344 | 10333.3 | 248000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 82.0 |
| 02/06 22.30 | 02/07 22:30 | 345 | 10291.7 | 247000 | 70.3 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 82.3 |
| 02/07 22.30 | 02/08 22:30 | 346 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 81.7 |
| 02/08 22.30 | 02/09 22:30 | 347 | 10291.7 | 247000 | 68.5 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 82.3 |
| 02/09 22.30 | 02/10 22:30 | 348 | 10291.7 | 247000 | 68.5 | 36000 | 32400 | 104.7 | 0.0 | 2.03E+07 | 82.3 |
| 02/10 22.30 | 02/11 22:30 | 349 | 10458.3 | 251000 | 68.9 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.0 |
| 02/11 22.30 | 02/12 22:30 | 350 | 10458.3 | 251000 | 68.5 | 36000 | 32400 | 104.6 | 0.0 | 2.03E+07 | 81.0 |
| 02/12 22.30 | 02/13 22:30 | 351 | 10458.3 | 251000 | 68.9 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 81.0 |
| 02/13 22.30 | 02/14 22:30 | 352 | 10375.0 | 249000 | 68.5 | 36000 | 32400 | 103.6 | 0.0 | 2.03E+07 | 81.7 |
| 02/14 22.30 | 02/15 22:30 | - | 10375.0 | 249000 | 68.9 | 36000 | 32400 | 103.9 | 0.0 | 2.03E+07 | 81.7 |