Energy Slave Token [12]

Disnovation.org, Gottlieb

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[54] ENERGY SLAVE TOKEN HUMAN LABOR TO FOSSIL FUEL CONVERSION UNITS

[76] Concept: Disnovation.org & Baruch Gottlieb

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56 References Cited

REFERENCE DOCUMENTS

- Richard Buckminster Fuller (Feb. 1940). World Energy. Fortune.
- Jean-Marc Jancovici (Aug. 2005). How Much of a Slave Master Am I? Manicore.

ABSTRACT

In 1940, R. Buckminster Fuller introduced the term "energy slave" to describe the energy required to power the modern lifestyle (1). The concept "energy slave" refers to the technological or mechanical energy equivalent to the physical working capacity of a human adult. The energy requirements for any lifestyle can be calculated as a number of "energy slaves" equivalent to the number of human laborers which otherwise would be needed to produce the same amount of energy. In 2013, it has been estimated that the average European employs the equivalent of 400-500 "energy slaves" 24 hours a day (2).

The Energy Slave Tokens presented in this document consist of a series of weights made of bitumen, which are the energy equivalents to specific quantities of physical human labour

time (ie. 1 hour, 1 day, 1 week, 1 month, 1 year, 1 life). This series of weights is designed to present the orders of magnitude that separate the labor power generated by our human bodies from the energy exploited mostly from fossil fuels which powers the technosphere. These open source tokens are designed to be easily replicated, used and distributed without restriction.

TABLE 1

Average Human Labor and Fossil Fuel Power Productivity:

Unit	Power (Wh)
1 hour of average human physical labor	
1L of fossil fuel (potential power)	
1L of fossil fuel (transformed by a motor)	·····~ 4,000

Fossil Fuel Equivalent of Human Labor* Power:

Unit	Formula	Volume (cm ³)
1 day 1 week 1 month 1 year	75Wh / 4kWh/L 75Wh * 8h / 4kWh/L 75Wh * 8h * 5d / 4kWh/L 75Wh * 8h * 5d * 4w / 4kWh/L 75Wh * 1590h (avg y) / 4kWh/L 75Wh * 1590h (avg y) * 45y / 4kWh/L	

^{*} based on average required work time in Belgium

1 Drawing Sheet (Scale 1:1)

- (1) Composition: bitumen (petroleum)
- (2) Average working time (1 life)
- (3) Volume: 1,387,935 cm³

