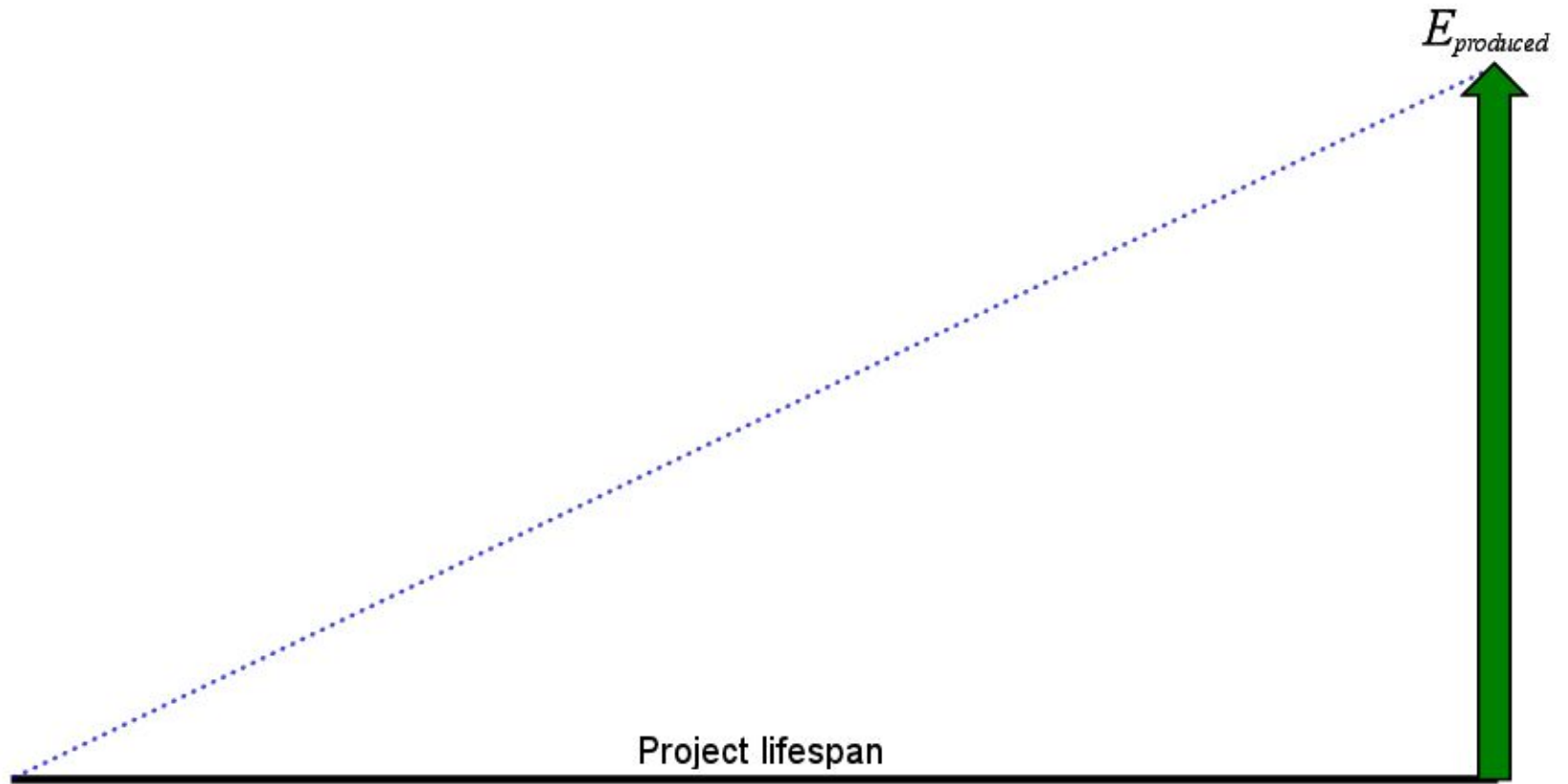


# **EROEI**

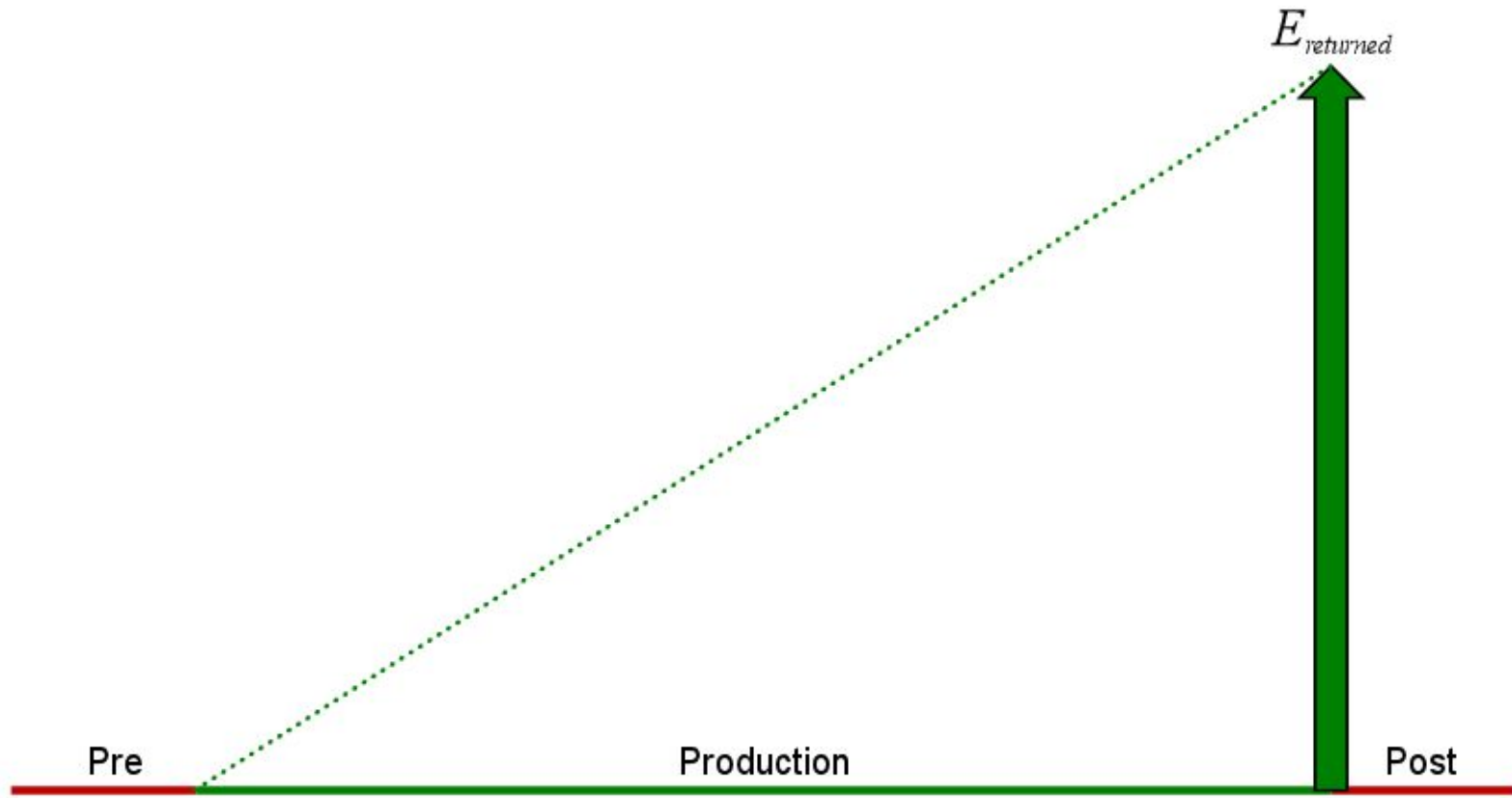
Energy Returned On Energy Invested

January 15, 2013  
Waterbury, Vermont

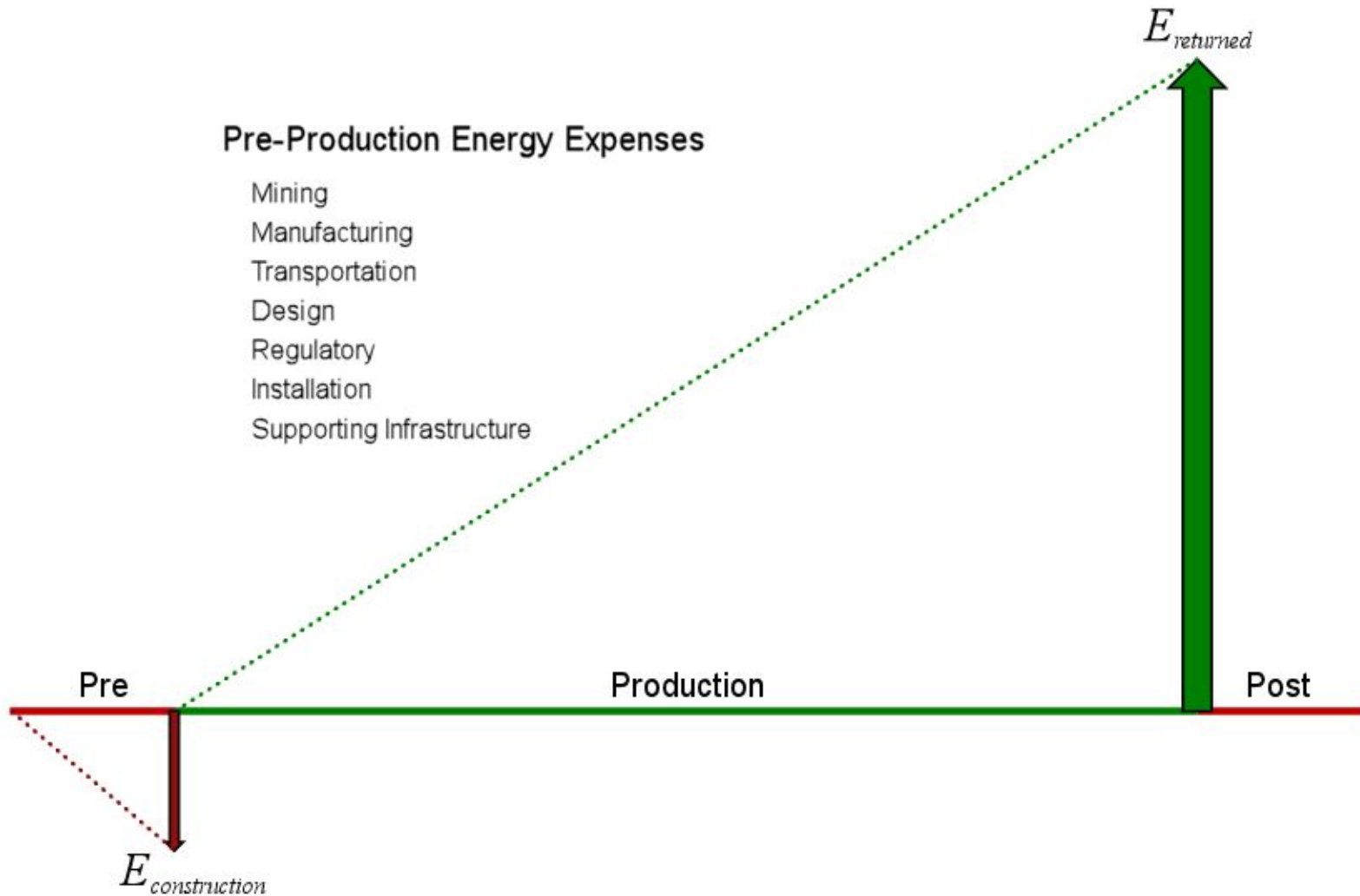
# Generalized Energy Production Profile



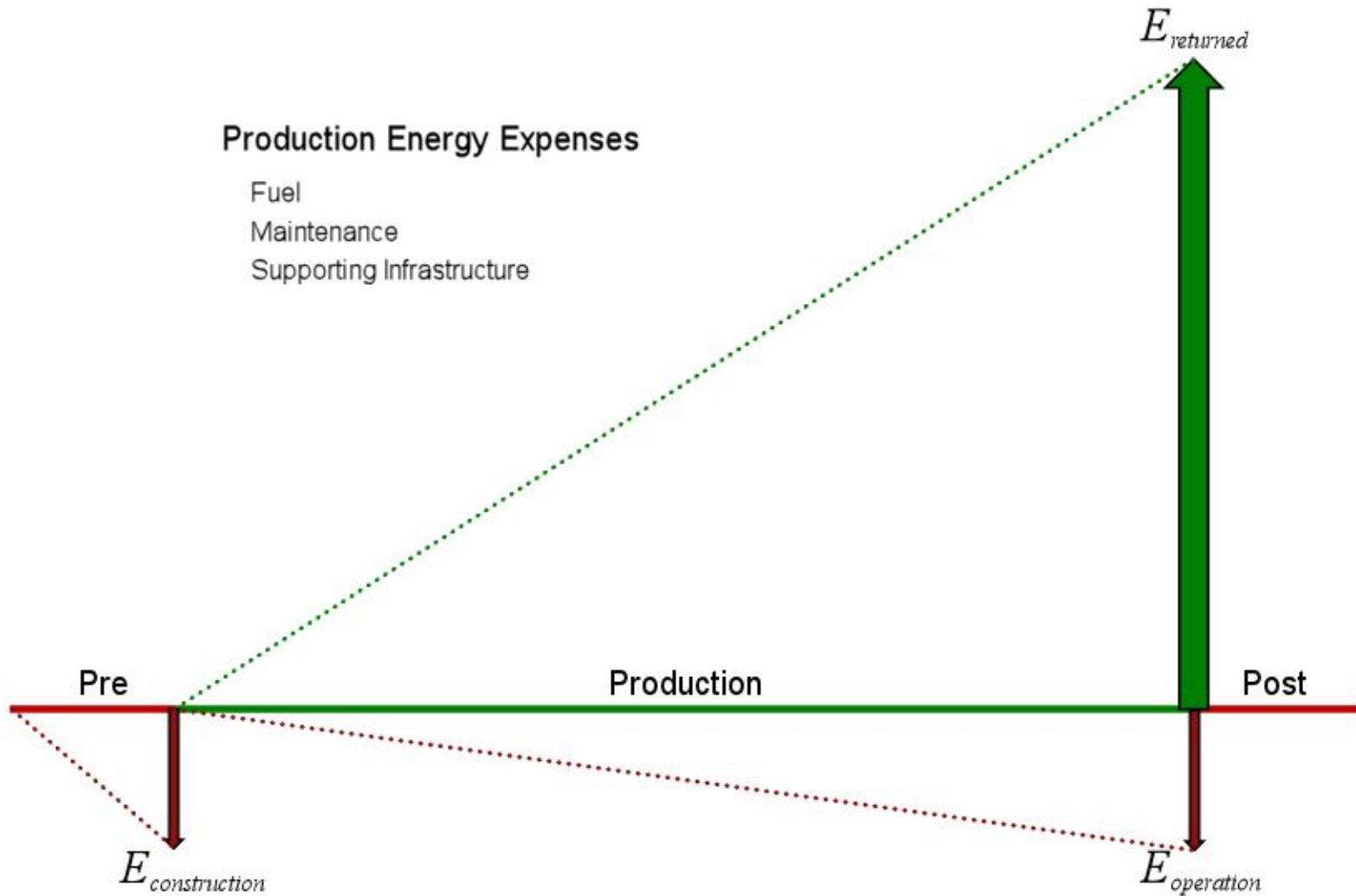
# Generalized Energy Production Profile



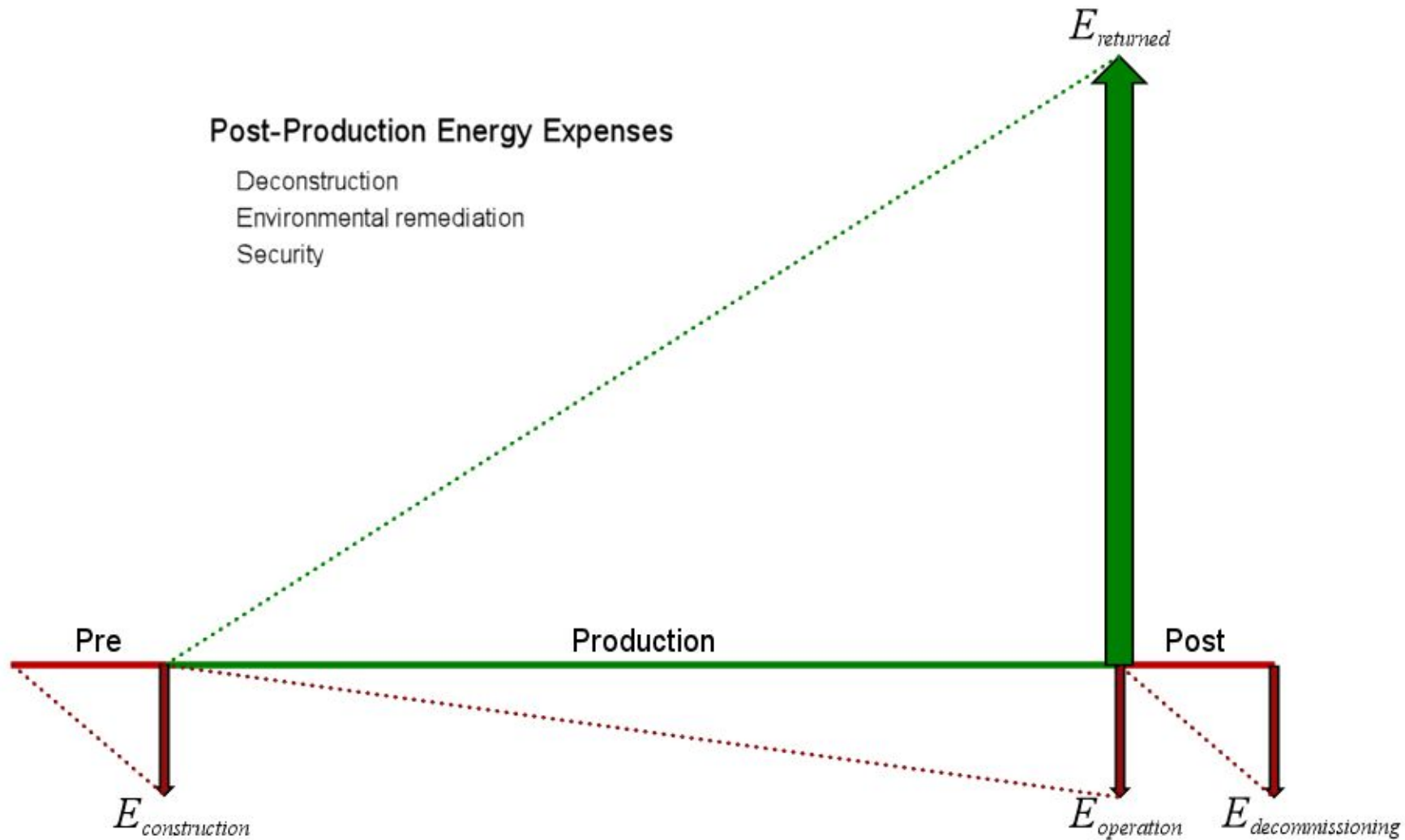
# Generalized Energy Production Profile



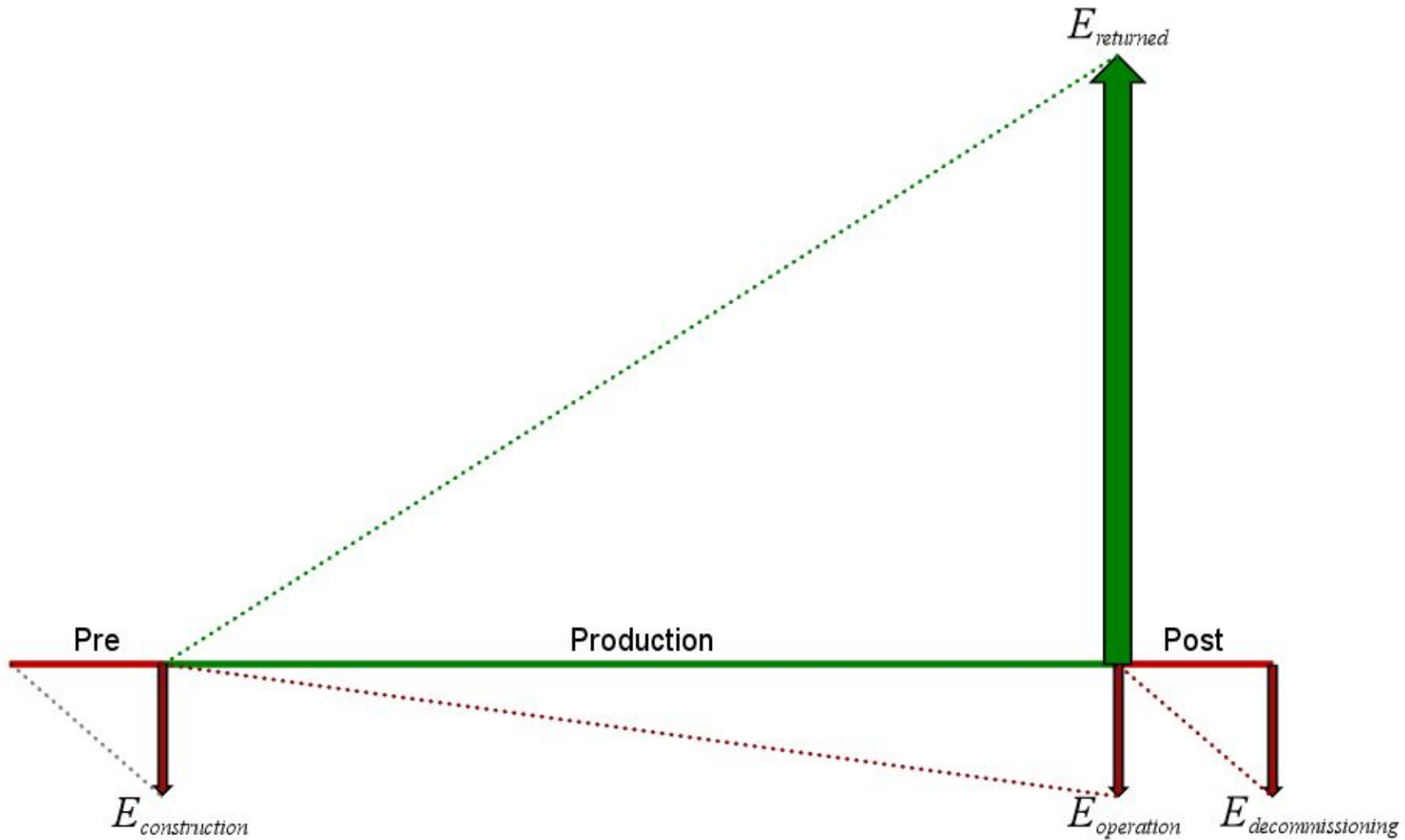
# Generalized Energy Production Profile



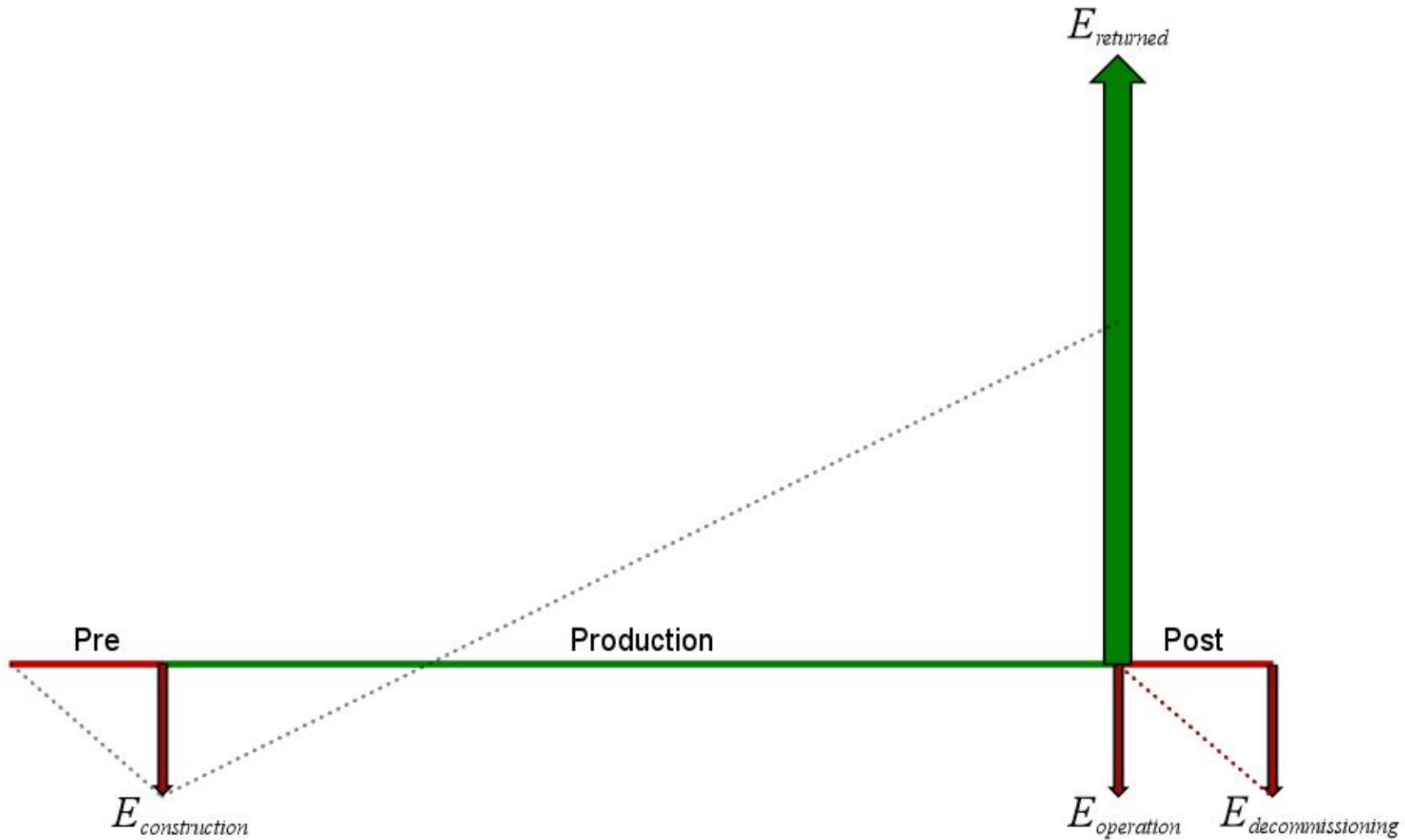
# Generalized Energy Production Profile



# Generalized Energy Production Profile

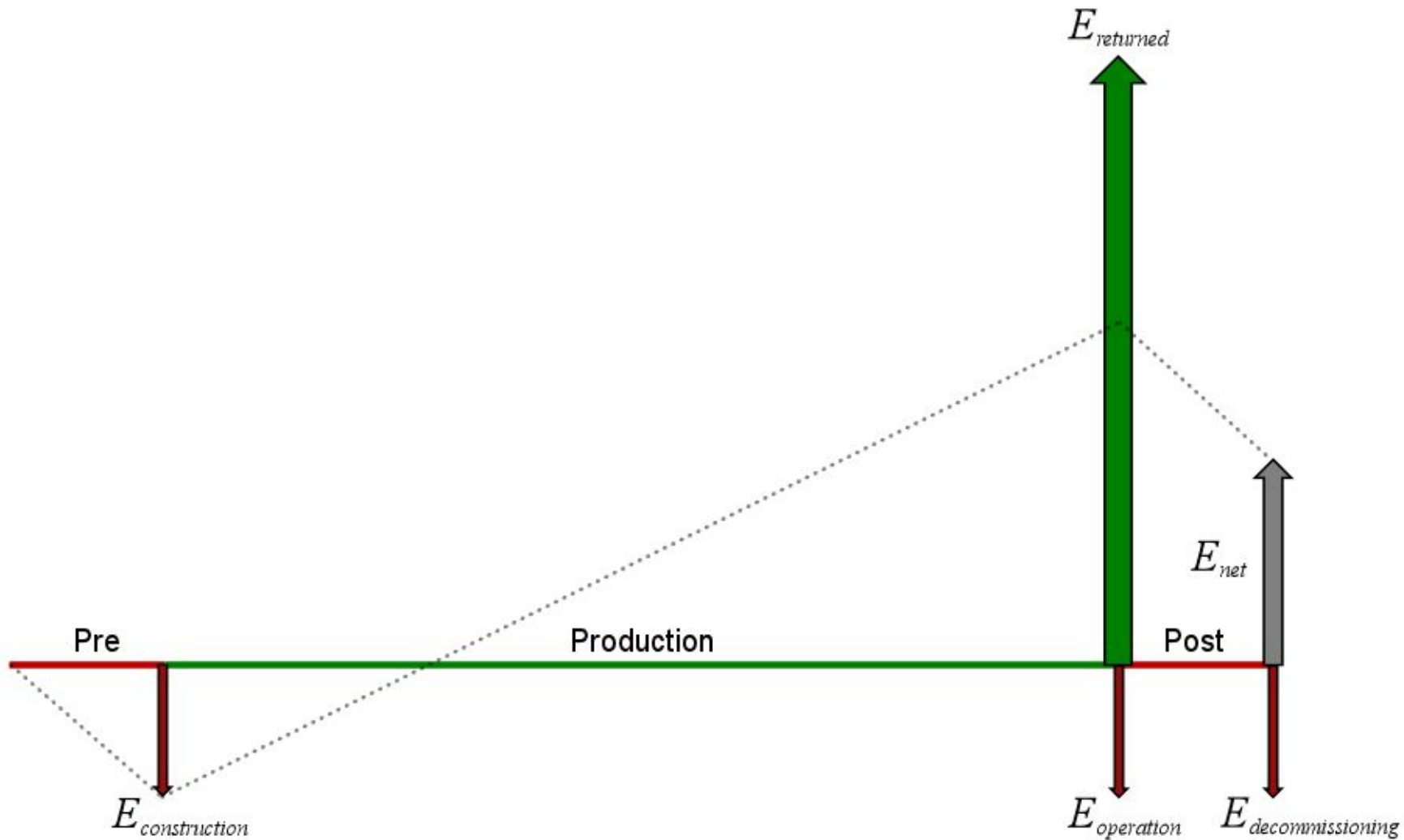


# Generalized Energy Production Profile

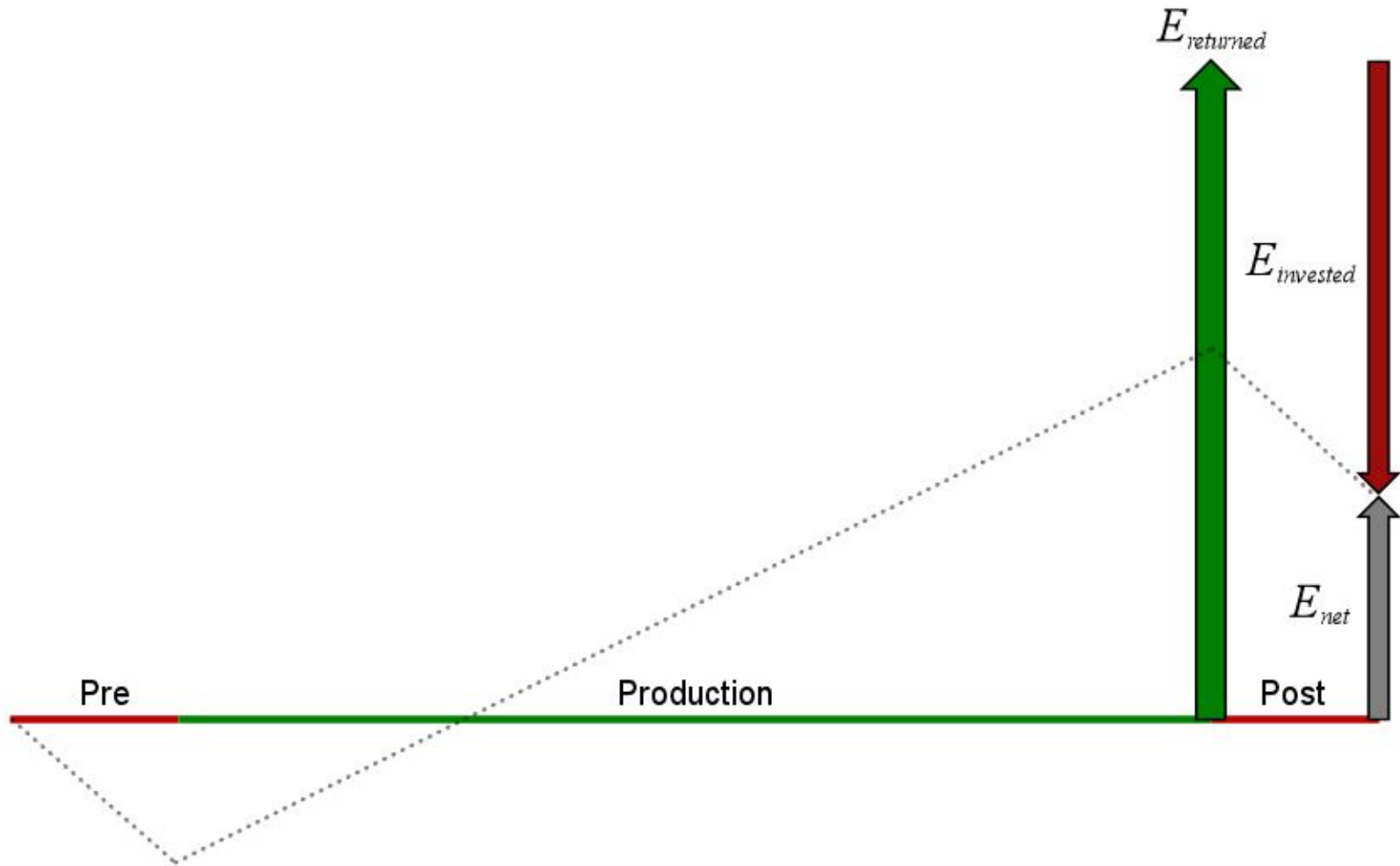




# Generalized Energy Production Profile

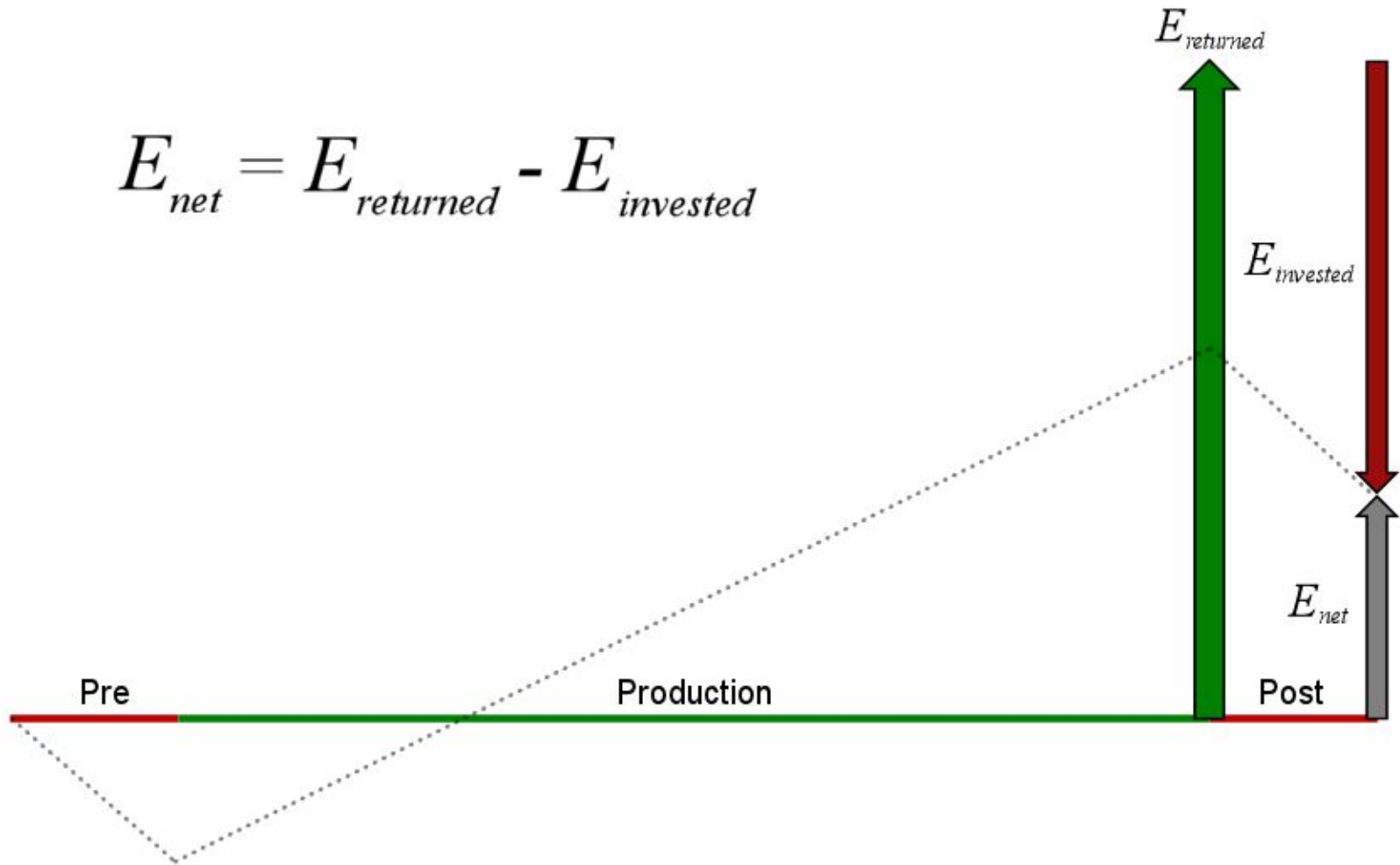


# Generalized Energy Production Profile



# Generalized Energy Production Profile

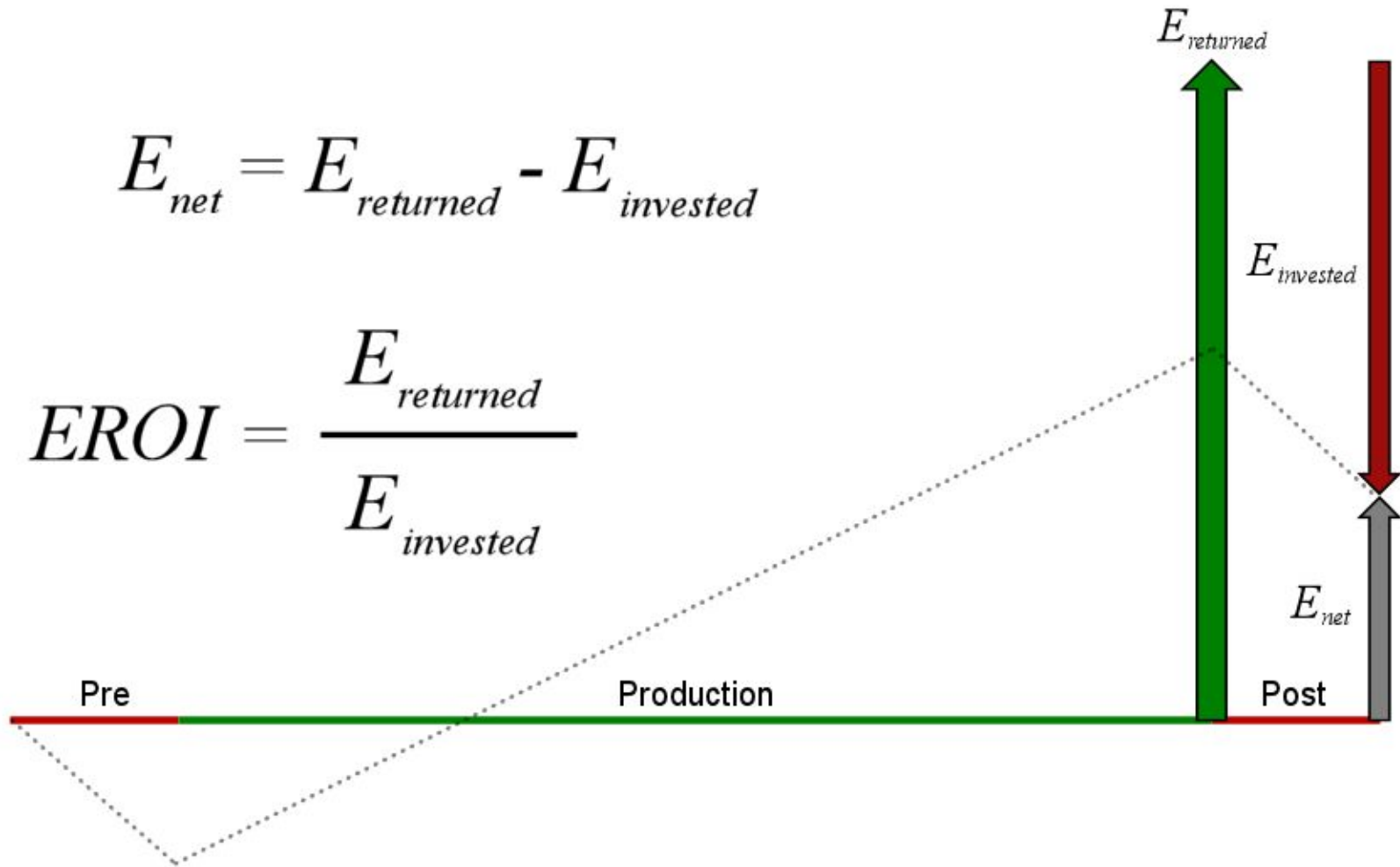
$$E_{net} = E_{returned} - E_{invested}$$



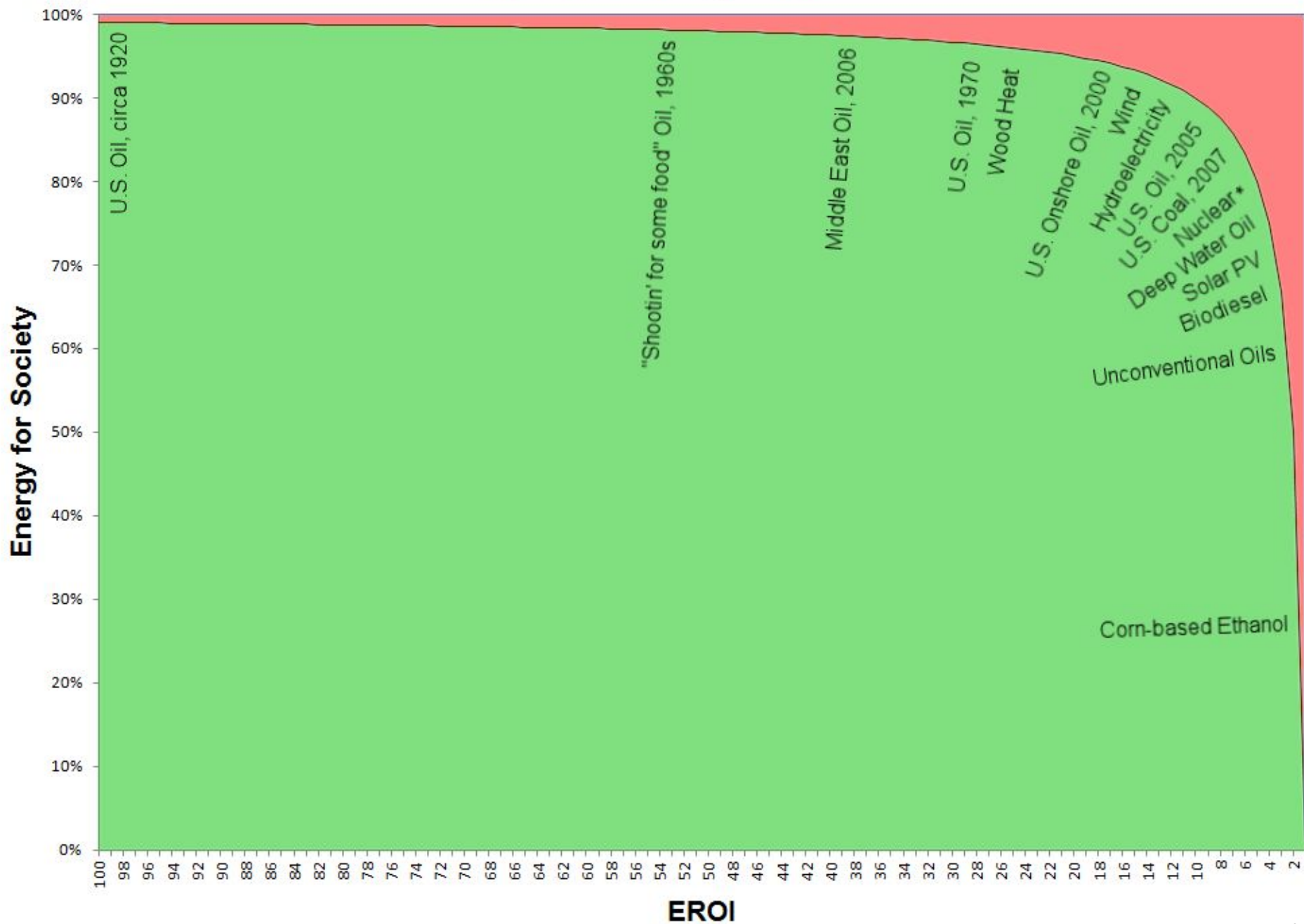
# Generalized Energy Production Profile

$$E_{net} = E_{returned} - E_{invested}$$

$$EROI = \frac{E_{returned}}{E_{invested}}$$



# The Net Energy Cliff



# Net Energy Requirements

