# **ENVIRONMENTAL PRODUCT DECLARATION**

as per ISO 14025 and EN 15804+A1

Owner of the Declaration	modulyss®
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-MOD-20210149-CBC1-EN
Issue date	08/07/2021
Valid to	07/07/2026

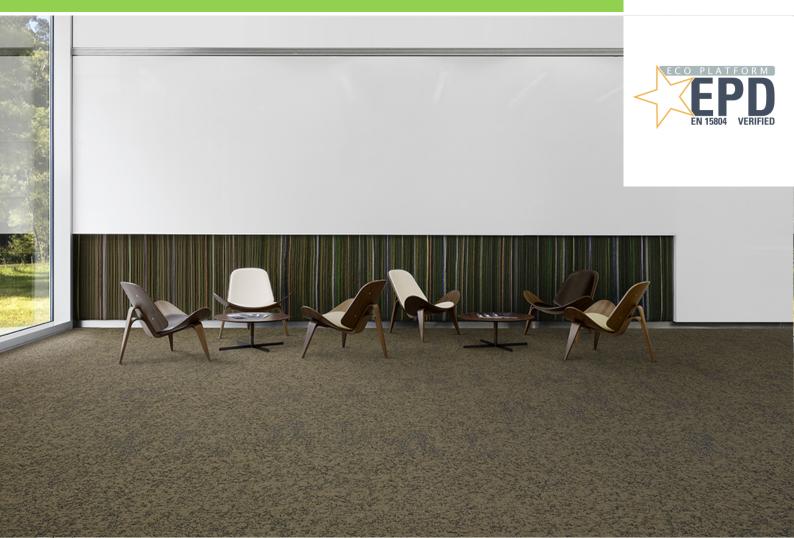
# **Tufted carpet tiles**

with a maximum total pile weight of 1300 g/m<sup>2</sup>, a pile material of 100% regenerated polyamide 6, ecoBack or comfortBack<sup>eco</sup> backing

# modulyss®



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## **General Information**

# modulyss®

#### Programme holder

IBU – Institut Bauen und Umwelt e.V. Panoramastr. 1 10178 Berlin Germany

## Declaration number

EPD-MOD-20210149-CBC1-EN

# This declaration is based on the product category rules:

Floor coverings, 02/2018 (PCR checked and approved by the SVR)

# Issue date

08/07/2021

# Valid to 07/07/2026

Man liten

Dipl. Ing. Hans Peters (chairman of Institut Bauen und Umwelt e.V.)

Dr. Alexander Röder (Managing Director Institut Bauen und Umwelt e.V.))

## **Product**

#### Product description/Product definition

Tufted carpet tiles having a surface pile of 100% regenerated polyamide 6 and an ecoBack or comfortBack<sup>eco</sup> backing.

The colour of the carpet is generated either by solution-dyed yarn or aqueous dyeing methods. The total recycled content amounts to at least 62% with a total pile weight of 1300 g/m<sup>2</sup> and a comfortBack<sup>eco</sup> backing and at least 59% with a total pile weight of 1300 g/m<sup>2</sup> and an ecoBack backing.

## **Tufted carpet tiles**

max. total pile weight 1300 g/m<sup>2</sup> 100% regenerated PA 6, ecoBack or comfortBack<sup>eco</sup> backing

### Owner of the declaration

modulyss Zevensterrestraat 21 9240 Zele Belgium

#### Declared product / declared unit

1 m<sup>2</sup> tufted carpet tiles with a surface pile of 100% regenerated PA 6 and an ecoBack or comfortBack<sup>eco</sup> backing.

#### Scope:

The manufacturer declaration applies to modular carpet tiles with ecoBack or comfortBack<sup>eco</sup>, a pile material of PA 6 with 100% recycled content and a maximum total pile weight of 1300 g/m<sup>2</sup>. The products are produced in Zele, Belgium

LCA results for products with a maximum total pile weight of 500 g/m<sup>2</sup> can be taken from the corresponding tables of the annexe. Specific data for every product within the declared group of products in relation to its total pile weight can be calculated by using equation 1 given in the annexe (see annexe chapter: 'General Information on the annexe'). The declaration is only valid in conjunction with a valid *GUT-PRODIS* license of the product.

The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

The EPD was created according to the specifications of *EN* 15804+A1. In the following, the standard will be simplified as *EN* 15804.

#### Verification

The standard *EN 15804* serves as the core PCR Independent verification of the declaration and data

according to ISO 14025:2010

internally x externally

Schindle

Angela Schindler (Independent verifier)

The declaration applies to a group of products with a maximum total pile weight of 1300 g/m<sup>2</sup>. LCA results for products with a maximum total pile weight of 500 g/m<sup>2</sup> can be taken from the corresponding tables of the annexe. Results for specific products with any other total pile weight can be calculated by using equation 1 given in the annexe (see annexe chapter: 'General Information on the annexe').

For the placing on the market of the product in the European Union/European Free Trade Association



(EU/EFTA) (with the exception of Switzerland) *Regulation (EU) No. 305/2011* Construction Product Regulation (CPR) applies. The product needs a Declaration of Performance (DoP) taking into consideration *DIN EN 14041: 2018-05*, Resilient, textile and laminate floor coverings - Essential characteristics and the CE-marking. The DoP of the product can be found on the manufacturer's technical information section. For the application and use of the product the respective national provisions apply.

#### Application

According to the use class as defined in *EN 1307* the products can be used in professional areas. The use class can be found on the technical data sheet of the product.

#### **Technical Data**

Name	Value	Unit
Type of	Tufted tiles, solution dyed yarn	
manufacture	or aqueous dyeing methods	-
Product Form	Tiles 50 cm x 50 cm	-
Secondary	ecoBack or comfortBackeco	
backing	ecoback of cominitibackeeo	-
Yarn type	100% regenerated polyamide 6	-
Total pile weight	max. 1300	g/m²
Total carpet	max. 5000	alm <sup>2</sup>
weight	max. 5000	g/m-

Performance data of the product in accordance with the declaration of performance with respect to its essential characteristics according to *EN 14041: 2018-05*, Resilient, textile and laminate floor coverings - Essential characteristics.

Additional product properties in accordance with *EN* 1307 can be found on the Product Information System *PRODIS* using the *PRODIS* registration number of the product (www.pro-dis.info) or on the manufacturer's technical information section (www.modulyss.com).

#### LCA: Calculation rules

#### **Declared Unit**

Name	Value	Unit
Declared unit	1	m <sup>2</sup>
Conversion factor to 1 kg	5	kg/m <sup>2</sup>

The declared unit refers to 1 m<sup>2</sup> produced textile floor covering. Output of module A5 'Assembly' is 1 m<sup>2</sup> installed textile floor covering.

#### System boundary

Type of EPD: Cradle-to-grave

System boundaries of modules A, B, C, D:

#### A1-A3 Production:

Energy supply and production of the basic material, processing of secondary material, auxiliary material, transport of the material to the manufacturing site, emissions, waste water treatment, packaging material

#### **Base materials/Ancillary materials**

Name	Value	Unit
Polyamide 6	26,0	%
Polyester	10,8	%
Polypropylene	0.6	%
Limestone	32,8	%
Aluminiumhydroxid e	10,1	%
SBR-latex	9,8	%
Polyolefin	8,8	%
Glass fibre	0,2	%
Additives	0,8	%

This product contains substances listed in the *ECHA candidate list* (16.01.2020) or other carcinogenic, mutagenic and reprotoxic (CMR) substances in categories 1A or 1B which are not on the candidate list exceeding 0.1 percentage by mass: no The products are registered in the *GUT-PRODIS* Information System. The *PRODIS* system ensures the compliance with limitations of various chemicals and Volatile Organic Compound (VOC)-emissions and a ban on the use of all substances that are listed as 'Substances of Very High Concern' (SVHC) under *REACH.* 

#### **Reference service life**

A calculation of the reference service life according to *ISO 15686* is not possible.

The service life of textile floor coverings strongly depends on the correct installation taking into account the declared use classification and the adherence to cleaning and maintenance instructions. A minimum service life of 10 years can be assumed, technical service life can be considerably longer.

and waste processing up to the landfill disposal of residual waste (except radioactive waste). Benefits for generated electricity and steam due to the incineration of production waste are aggregated.

#### A4 Transport:

Transport of the packed textile floor covering from factory gate to the place of installation.

#### A5 Installation:

Installation of the textile floor covering, processing of installation waste and packaging waste up to the landfill disposal of residual waste (except radioactive waste), the production of the amount of carpet that occurs as installation waste including its transport to the place of installation.

Generated electricity and steam due to the incineration of waste are listed in the result table as exported energy.

Preparing of the floor and auxiliary materials (adhesives, fixing agents, PET connectors) are beyond the system boundaries and not taken into account.



#### B1 Use:

Indoor emissions during the use stage. After the first year, no product-related VOC emissions are relevant due to known VOC decay curves of the product.

#### B2 Maintenance:

Cleaning of the textile floor covering for a period of 1 year:

Vacuum cleaning – electricity supply Wet cleaning – electricity, water consumption, production of the cleaning agent, waste water treatment.

The declared values in this module have to be multiplied by the assumed service life of the floor covering in the building in question (see annexe, chapter 'General information on use stage').

#### <u>B3 - B7:</u>

The modules are not relevant and therefore not declared.

#### C1 De-construction:

The floor covering is de-constructed manually and no additional environmental impact is caused.

#### C2 Transport:

Transport of the carpet waste to a landfill, to the municipal waste incineration plant (MWI) or to the waste collection facility for recycling.

#### C3 Waste processing:

C3-1: Landfill disposal needs no waste processing. C3-2: Impact from waste incineration (plant with R1>0.6), generated electricity and steam are listed in the result table as exported energy.

# LCA: Scenarios and additional technical information

The following information refer to the declared modules and are the basis for calculations or can be used for further calculations. The indicated values refer to the declared functional unit of all products with a total pile weight of 1300 g/m<sup>2</sup>.

#### Transport to the construction site (A4)

Name	Value	Unit
Litres of fuel (truck, EURO 0-6 mix)	0.0117	l/100km
Transport distance	700	km
Capacity utilisation (including empty runs)	55	%

#### Installation in the building (A5)

Name	Value	Unit
Material loss	0.15	kg

Polyethene packaging waste and installation waste are considered to be incinerated in a municipal waste incineration plant. Cardboard packaging waste is considered to be recycled.

Preparation of the floor and auxiliaries (adhesives, fixing agents, PET connectors, etc.) are not taken into account.

C3-3: Collection of the carpet waste for recovery in the cement industry, waste processing (granulating), transport to the cement plant, emissions from the incineration.

#### C4 Disposal

C4-1: Impact from landfill disposal, C4-2: The carpet waste leaves the system in module C3-2, C4-3: The pre-processed carpet waste leaves the system in module C3-3

#### D Recycling potential:

D-A5: Benefits for generated energy due to incineration of packaging and installation waste (incineration plant with R1 > 0.6), D-1: Benefits for generated energy due to landfill disposal of carpet waste at the end-of-life, D-2: Benefits for generated energy due to incineration of carpet waste at the end-of-life (incineration plant

with R1 > 0.6), D-3: Benefits for saved fossil energy and saved inorganic material due to recovery of the carpet in a

#### Comparability

cement plant.

Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to *EN 15804* and the building context, respectively the product-specific characteristics of performance, are taken into account.

Background data are taken from the *GaBi database* 2021-1. Remaining data gaps are covered by the *ecoinvent* 3.6 database 2019

#### Maintenance (B2)

The values for cleaning refer to  $1 \text{ m}^2$  floor covering used in commercial areas per year. Depending on the application based on *ISO 10874*, the technical service life recommended by the manufacturer and the anticipated strain on the floor by customers, the casespecific useful life can be established. The effects of Module B2 need to be calculated on the basis of this useful life in order to obtain the overall environmental impacts.

Name	Value	Unit
Maintenance cycle (wet cleaning)	1.5	1/year
Maintenance cycle (vacuum cleaning)	208	1/year
Water consumption (wet cleaning)	0.004	m <sup>3</sup>
Cleaning agent (wet cleaning)	0.09	kg
Electricity consumption	0.314	kWh

Further information on cleaning and maintenance see www.modulyss.com

#### End of Life (C1-C4)

Three different end-of-life scenarios are declared and the results are indicated separately in module C. Each scenario is calculated as a 100% scenario.

Scenario 1: 100% landfill disposal Scenario 2: 100% municipal waste incineration (MWI)



with R1>0.6 Scenario 3: 100% recycling in the cement industry

If combinations of these scenarios have to be calculated this should be done according to the following scheme:

EOL-impact = x% impact (Scenario 1) + y% impact (Scenario 2) + z% impact (Scenario 3) with x% + y% + z% = 100%

Name	Value	Unit
Collected as mixed construction waste (scenario 1 and 2)	5	kg
Collected separately (scenario 3)	5	kg
Landfilling (scenario 1)	5	kg
Energy recovery (scenario 2)	5	kg
Energy recovery (scenario 3)	2.844	kg
Recycling (scenario 3)	2.156	kg

# Reuse, recovery and/or recycling potentials (D), relevant scenario information

Recovery or recycling potentials due to the three endof-life scenarios (module C) are indicated separately.

#### <u>Recycling in the cement industry (scenario 3)</u> VDZ e.V.

The organic material of the carpet is used as secondary fuel in a cement kiln. It mainly substitutes for lignite (61.9%), hard coal (26.8%) and petrol coke (11.3%).

The inorganic material is substantially integrated in the cement clinker and substitutes for original material input.



## LCA: Results

The LCA results refer to all declared products with a maximum total pile weight of 1300 g/m<sup>2</sup>. LCA results for products with a maximum total pile weight of 500 g/m<sup>2</sup> can be taken from the corresponding tables of the annexe. Results for specific products with any other total pile weight can be calculated by using equation 1 given in the annexe (see annexe chapter: 'General Information on the annexe'). The declared result figures in module B2 have to be multiplied by the assumed service life (in years) of the floor covering in the building under consideration. Information on non-relevant modules: Modules B3 - B7 are not relevant during the service life of the carpet. Modules C1, C3/1, C4/2 and C4/3 cause no additional impact (see chapter "LCA: Calculation rules" in this document). All these modules are declared and marked as 'modules not relevant/declared'. Module C2 represents the transport for scenarios 1, 2 and 3. Column D represents module D/A5. The calculations are based on the CML characterization factors (version August 2016).

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0.000</td><td>SE ac           SE-1         3           E-1         3           E+0         0           DE-1         3           E+1         5           E+1         5           E+0         0           E+1         0           E+1         0           E+0         0           E+0         0           E+0         0           E+0         0</td><td>C4/1<br/>79E-1<br/>00E+0<br/>79E-1<br/>23E+0<br/>00E+0<br/>23E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0</td><td>Ces<br/>ing 1<br/>-7.88<br/>0.001<br/>-7.88<br/>-3.55<br/>0.001<br/>-3.55<br/>0.001<br/>0.001<br/>0.001</td><td>Abiotic<br/>to EN<br/>3E-2 0.<br/>E+0 0.<br/>3E-2 0.<br/>E+0 0.<br/>5E-1 0.<br/>5E-1 0.<br/>5E-1 0.<br/>5E-1 0.<br/>5E-1 0.<br/>5E-1 0.<br/>5E-1 0.<br/>5E-2 0.<br/>5E-1 0.</td><td>D/1           .00E+0           .00E+0</td><td>4+A1: 7<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>-7.39E+0<br/>0.00E+0<br/>-7.39E+0<br/>0.00E+0</td><td>D/3<br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>0.00E+0</td></th<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                         | SE ac           SE-1         3           E-1         3           E+0         0           DE-1         3           E+1         5           E+1         5           E+0         0           E+1         0           E+1         0           E+0         0           E+0         0           E+0         0           E+0         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                                                   | Ces<br>ing 1<br>-7.88<br>0.001<br>-7.88<br>-3.55<br>0.001<br>-3.55<br>0.001<br>0.001<br>0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Floore<br>Paramo<br>PER<br>PER<br>PEN<br>PEN<br>PEN<br>SM<br>RSF<br>NRS                                                                                                                                                                                                                                                                                        | Eeter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Imp           Unit           [MJ]                                                                                                                                                                                                                                                                                                 | A1-A3<br>6.87E+1<br>3.90E-1<br>6.91E+1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>0.00E+0<br>1.90E-1<br>Use of ro                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                        |
60551<br>CATO<br>2.49E+0<br>-3.90E-1<br>2.10E+0<br>5.28E+0<br>-2.15E-1<br>5.06E+0<br>5.73E-2<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+ | I resour           RS T(           B1           0.00E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | cces; AD           D DES           I           +0         1.2           +0         0.00           +0         7.8           +0         7.8           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0           +0         0.00 <td>BPF = 7<br/>BCRI<br/>4E+0<br/>0E+0<br/>4E+0<br/>6E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>3E-3<br/>ng rer</td> <td>Abiotic c<br/>BE R<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>0.00E+<br/>1.45E-<br/>tewable</td> <td>Image: Control of the second second</td> <td>Dotential           CE         U           -1         7.99           +0         0.000           -1         7.99           +1         3.88           +1         -3.47           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000</td> <td>for fossi           SE ac           3/3           9E-1           3/E+0           9E-1           3/E+1           5           E+1           5           E+1           0           E+1           0           E+1           0           E+0           0           E+2           4           resource</td> <td><b>C4/1</b><br/>79E-1<br/>00E+0<br/>79E-1<br/>23E+0<br/>00E+0<br/>23E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>82E-5<br/>es use</td> <td>ces<br/>ing 1<br/>-7.88<br/>0.001<br/>-7.88<br/>-3.55<br/>0.001<br/>-3.55<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>0.00100000000</td> <td>Abiotic<br/><b>10 EN</b><br/><b>3E-2</b> 0.<br/><b>5E-2</b> 0.<br/><b>5E-1</b> 0.<br/><b>5E-</b></td> <td>D/1<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>terials; F</td> <td>4+A1: 7<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>-7.39E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>-1.58E-3<br/>ERM = L</td> <td>D/3<br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>-3.08E-3<br/>Jse of</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               
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7<br>BCRI<br>4E+0<br>0E+0<br>4E+0<br>6E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>3E-3<br>ng rer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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0.000           -1         7.99           +1         3.88           +1         -3.47           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000                                                                                                                                                                                                                       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     9E-1           3/E+0           9E-1           3/E+1           5           E+1           5           E+1           0           E+1           0           E+1           0           E+0           0           E+2           4           resource                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>C4/1</b><br>79E-1<br>00E+0<br>79E-1<br>23E+0<br>00E+0<br>23E+0<br>00E+0<br>00E+0<br>00E+0<br>82E-5<br>es use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ces<br>ing 1<br>-7.88<br>0.001<br>-7.88<br>-3.55<br>0.001<br>-3.55<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.001<br>0.00100000000 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                                                                                                                                                                                                                                                                                                                                                               | D/1<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>terials; F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4+A1: 7<br>D/2<br>-1.61E+0<br>0.00E+0<br>-1.61E+0<br>-7.39E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>-1.58E-3<br>ERM = L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Floore<br>Paramo<br>PER<br>PER<br>PEN<br>PEN<br>PEN<br>SM<br>RSF<br>NRS                                                                                                                                                                                                                                                                                        | eter<br>E<br>M<br>T<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Init       [MJ]       [m]       PERE =       ewable       non-ren       non-ren       newable                                                                                                                                                                                                                                                                                                                                            | HE LC/<br>A1-A3<br>6.87E+1<br>3.90E-1<br>6.91E+1<br>1.26E+2<br>1.91E+0<br>0.00E+0<br>1.90E-1<br>Use of ro-<br>primary elevable por<br>primary elevable por<br>timary elevable por<br>t                                                                                                                                                             | A - INDI<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>2.60E-4<br>enewable                                                                                                                                                                          | fossi           A5           2.49E+0           -3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           6.32E-3           primary eources us           ources us                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | cces; AD           DDES           I           +0         1.2;           +0         0.0;           +0         7.8;           +0         7.8;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0     
   7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0         7.0;           +0                                                                                                                                                                                                                                                                                                                                                                                                                                                   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/<br>SCRI<br>B2<br>4E+0<br>0E+0<br>4E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>1E+0<br>0E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0<br>1E+0    | Abiotic c<br>BE R<br>1.26E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>0.00E+<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>1.26E-<br>0.00E+<br>1.26E-<br>1.26E-<br>1.27E-<br>0.00E+<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1.26E-<br>1 | Image         Image <th< td=""><td>C:         C:           -1         7.99           +0         0.000           -1         7.99           +0         0.001           +1         3.88           +1         3.44           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +1         3.84           +1         -1.84           +0         0.000           +0         0.000           +0  
      0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000      <t< td=""><td>for fossi           SE ac           3/3           JE-1           JE-1           SE           JE-1           SE           JE           JE</td><td>C4/1<br/>79E-1<br/>00E+0<br/>79E-1<br/>23E+0<br/>00E+0<br/>23E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>82E-5<br/>es use<br/>e prima<br/>d as rai</td><td>cces           ing 1           -7.88           0.001           -7.88           0.001           -7.88           0.001           -3.55           0.001           -3.55           0.001           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700</td><td>Abiotic<br/><b>10 EN</b><br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-1 0.</td><td>D/1<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+</td><td>4+A1:<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>-7.39E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>1.58E-3<br/>PERM = L<br/>; PENRE<br/>I = Use of<br/>ources; S</td><td><b>D/3</b><br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>-3.08E-3<br/>Jse of<br/>= Use of<br/>f non-<br/>SM = Use</td></t<></td></th<> | C:         C:           -1         7.99           +0         0.000           -1         7.99           +0         0.001           +1         3.88           +1         3.44           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +1         3.84           +1         -1.84           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000 <t< td=""><td>for fossi           SE ac           3/3           JE-1           JE-1           SE           JE-1           SE           JE           JE</td><td>C4/1<br/>79E-1<br/>00E+0<br/>79E-1<br/>23E+0<br/>00E+0<br/>23E+0<br/>00E+0<br/>00E+0<br/>00E+0<br/>82E-5<br/>es use<br/>e prima<br/>d as rai</td><td>cces           ing 1           -7.88           0.001           -7.88           0.001           -7.88           0.001           -3.55           0.001           -3.55           0.001           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700</td><td>Abiotic<br/><b>10 EN</b><br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-2 0.<br/><b>10 E</b>-1 0.</td><td>D/1<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+0<br/>.00E+</td><td>4+A1:<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>-7.39E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>1.58E-3<br/>PERM = L<br/>; PENRE<br/>I = Use of<br/>ources; S</td><td><b>D/3</b><br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>-3.08E-3<br/>Jse of<br/>= Use of<br/>f non-<br/>SM = Use</td></t<> | for fossi       
   SE ac           3/3           JE-1           JE-1           SE           JE-1           SE           JE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C4/1<br>79E-1<br>00E+0<br>79E-1<br>23E+0<br>00E+0<br>23E+0<br>00E+0<br>00E+0<br>00E+0<br>82E-5<br>es use<br>e prima<br>d as rai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | cces           ing 1           -7.88           0.001           -7.88           0.001           -7.88           0.001           -3.55           0.001           -3.55           0.001           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700           -7.700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Abiotic<br><b>10 EN</b><br><b>10 E</b> -2 0.<br><b>10 E</b> -1 0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        
                           | D/1<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+0<br>.00E+ | 4+A1:<br>D/2<br>-1.61E+0<br>0.00E+0<br>-1.61E+0<br>-7.39E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.58E-3<br>PERM = L<br>; PENRE<br>I = Use of<br>ources; S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>D/3</b><br>-5.08E-1<br>0.00E+0<br>-5.08E-1<br>-3.26E+1<br>0.00E+0<br>-3.26E+1<br>4.80E-1<br>0.00E+0<br>-3.08E-3<br>Jse of<br>= Use of<br>f non-<br>SM = Use                                                                                                                                                                                                                                                             |
| Floored<br>Parama<br>PER<br>PER<br>PENF<br>PENF<br>PENF<br>SM<br>RSF<br>NRSS<br>FW<br>Captio                                                                                                                                                                                                                                                                   | COVE<br>eter<br>E<br>M<br>M<br>T<br>T<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>r<br>end<br>r<br>end<br>r<br>end<br>r<br>end<br>r<br>end<br>r<br>end<br>r<br>eter<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Image       Unit       [MJ]       [M]       [M]       [M]       [M]       [M]       [M]       [M]       [M]       [M]       [M] | A1-A3<br>6.87E+1<br>3.90E-1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.90E-1<br>Use of ro<br>primary e<br>ewable p<br>primary e<br>y materia<br>HE LC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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     2.49E+0           3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           0.00E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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.<br>CRI<br>4E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0   | Abiotic c<br>BE
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| Image: Control of the second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | cc:         cc:           1         7.99           +0         0.00           +1         3.88           +1         3.47           +0         0.00           +1         3.84           +1         3.47           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +1         1.95           0         1.95           0         1.95           0         1.95           0         1.95           0         1.95           0         1.95           0         1.95           0         1.95           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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | cces           ing 1           -7.88           0.000           -7.88           0.001           -7.88           -3.55           0.001           -3.55           0.000           -3.55           0.001           -7.702           0.001           -7.702           d as right range of the prime second seco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Abiotic<br>to EN<br>BE-2 0<br>E+0 0<br>E-2 0<br>E+0 0<br>E-1 0<br>E+0 0<br>E+0 0<br>E+0 0<br>E+0 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                                                                                                                                                                                          | <b>D/3</b><br>-5.08E-1<br>0.00E+0<br>-5.08E-1<br>-3.26E+1<br>0.00E+0<br>-3.26E+1<br>4.80E-1<br>0.00E+0<br>-3.08E-3<br>Jse of<br>= Use of<br>f non-<br>SM = Use                                                                                                                                                                                                                                                             |
| Floored<br>Parama<br>PER<br>PER<br>PENF<br>PENF<br>PENF<br>SM<br>RSF<br>NRSS<br>FW<br>Captio                                                                                                                                                                                                                                                                   | COVE<br>eter<br>E<br>M<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ring<br>Unit<br>[MJ]<br>[MJ]<br>[MJ]<br>[MJ]<br>[MJ]<br>[MJ]<br>[MJ]<br>[MJ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A1-A3<br>6.87E+1<br>3.90E-1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.90E-1<br>Use of ro<br>primary e<br>ewable p<br>primary e<br>y materia<br>HE LC/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A - INDI<br>2.27E-1<br>0.00E+0<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>2.60E-4<br>enewable<br>nergy ress<br>rimary en<br>nergy ress<br>al; RSF =                                                                                                                    | fossi           A5           2.49E+0           3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           0.00E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 
                                                                                                                                                                                                                                                                                                                                                                                        | B1<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ces; AD           D DES           I           +0         1.2:           +0         0.00           +0         7.8:           +0         0.00           +0         7.8:           +0         0.00           +0         7.8:           +0         0.00           +0         7.8:           +0         0.00           +0         4.1:           excluding aw mather on-renerative second seco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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  | Abiotic c<br>BE
R<br>1.26E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1 | Image: Control of the second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Dotential           CE         U           -1         7.99           +0         0.00           -1         7.99           +1         3.48           +0         0.00           +1         3.49           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           -2         2.00           se of nc         resource           I use of nc         se of nc           FLOV         1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               
                                                                                                                                                                                                                                             | for fossi           SE ac           33           9E-1           38           E+1           5           E+1           5           E+1           5           E+1           5           E+1           5           E+1           5           E+0           E+0           0           E+2           4           resourc           non-rere           non-rene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C4/1<br>79E-1<br>79E-1<br>79E-1<br>79E-1<br>23E+0<br>00E+0<br>23E+0<br>00E+0<br>82E-5<br>es user<br>e prima<br>d as rate<br>as rate wablels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | cces           ing 1           -7.88           0.000           -7.88           0.001           -7.88           -3.55           0.001           -3.55           0.000           -3.55           0.001           -7.702           0.001           -7.702           d as right range of the prime second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            
                                                                                                                                                                                                                   | Abiotic<br><b>IDE</b> -2 0<br><b>E</b> -2 0<br><b>E</b> -2 0<br><b>E</b> -1 0<br><b>E</b> -2 0<br><b>E</b> -1 0<br><b></b> | <b>D/1</b><br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0<br>00E+0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4+A1: 7<br>D/2<br>-1.61E+0<br>0.00E+0<br>-1.61E+0<br>-7.39E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.58E-3<br>PERRE<br>I = Use of<br>ources; S<br>= Use of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>D/3</b><br>-5.08E-1<br>0.00E+0<br>-5.08E-1<br>-3.26E+1<br>0.00E+0<br>-3.26E+1<br>4.80E-1<br>0.00E+0<br>-3.08E-3<br>Jse of<br>= Use of<br>f non-<br>SM = Use                                                                                                                                                                                                                                                             |
| floord<br>Parama<br>PER<br>PENF<br>PENF<br>PENF<br>SM<br>RSF<br>NRS<br>FW<br>Captio                                                                                                                                                                                                                                                                            | COVE<br>eter<br>E<br>M<br>T<br>T<br>T<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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en-<br>ewable p<br>primary en-<br>the constant of the c                                                                                                                                                                                                                                                                                                                                     | A - INDI<br>2.27E-1<br>0.00E+0<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>2.60E-4<br>enewable<br>nergy resarrimary en<br>nergy res<br>al; RSF =                                                                                                                                   | fossi           A5           2.49E+0           -3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           0.00                                                                                                                                          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B1<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E<br>0.00E | cees; AD           D DES           I       
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R<br>1.26E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>0.00E+<br>0.00E+<br>1.45E-<br>3.27E-<br>0.00E+<br>1.45E-<br>3.27E-<br>0.00E+<br>1.45E-<br>3.27E-<br>0.00E+<br>1.45E-<br>3.27E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>0.00E+<br>1.45E-<br>1.45E-<br>1.45E-<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0.00E+<br>0 | Image: Control of the second state in the s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CE         C           1         7.99           -0         0.00           -1         7.99           -0         1           -0         1           +1         3.88           +1         -3.47           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0 <td< td=""><td>for fossi           SE ac           3/3           E-1           3/2           E+0           0.9           E+1           5           E+1           5           E+1           5           E+1           0.0           E+0           E+0           0.0           E+0           E+0           0.0           E+0           0.0           E+0           0.0           E+0           0.0           E+0           0.0           E+0           0.0           E+2           4           resourcenees           non-reresenees           VS           3/3           /2</td><td>I resourt           C4/1           79E-1           00E+00           00E+00  </td><td>rces<br/>ing 1<br/>-7.88<br/>0.001<br/>-7.88<br/>0.001<br/>-7.88<br/>-7.85<br/>0.001<br/>0.001<br/>0.001<br/>0.001<br/>-7.70<br/>d as ray en<br/>w mate<br/>e primsecond<br/>ing t</td><td>Abiotic<br/>to EN<br/>E-2 0<br/>E-2 0<br/>E-1 0<br/>E-1 0<br/>E-1 0<br/>E-1 0<br/>E-1 0<br/>E+0 0<br/>E-1 0<br/>E+0 0<br/>E-1 0</td><td>1580           D/1           .00E+0           .00E+0</td><td>4+A1: 7<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+3<br/>2ERM = L<br/>; PENRE<br/>I = Use of<br/>ources; S<br/>= Use of<br/>4+A1:</td><td>D/3<br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>-3.08E-3<br/>Jse of<br/>= Use of<br/>f
non-<br/>SM = Use<br/>net fresh<br/>D/3</td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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     3/2           E+0           0.9           E+1           5           E+1           5           E+1           5           E+1           0.0           E+0           E+0           0.0           E+0           E+0           0.0           E+0           0.0           E+0           0.0           E+0           0.0           E+0           0.0           E+0           0.0           E+2           4           resourcenees           non-reresenees           VS           3/3           /2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | I resourt           C4/1           79E-1           00E+00                                                                                                    | rces<br>ing 1<br>-7.88<br>0.001<br>-7.88<br>0.001<br>-7.88<br>-7.85<br>0.001<br>0.001<br>0.001<br>0.001<br>-7.70<br>d as ray en<br>w mate<br>e primsecond<br>ing t                                                                                                                                                                                                                                                                                         
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Abiotic<br>to EN<br>E-2 0<br>E-2 0<br>E-1 0<br>E-1 0<br>E-1 0<br>E-1 0<br>E-1 0<br>E+0 0<br>E-1 0<br>E+0 0<br>E-1 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1580           D/1           .00E+0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4+A1: 7<br>D/2<br>-1.61E+0<br>0.00E+0<br>-1.61E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+3<br>2ERM = L<br>; PENRE<br>I = Use of<br>ources; S<br>= Use of<br>4+A1:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D/3<br>-5.08E-1<br>0.00E+0<br>-5.08E-1<br>-3.26E+1<br>0.00E+0<br>-3.26E+1<br>4.80E-1<br>0.00E+0<br>-3.08E-3<br>Jse of<br>= Use of<br>f non-<br>SM = Use<br>net fresh<br>D/3                                                                                                                                                                                                                                                |
| floord<br>Parama<br>PER<br>PER<br>PENF<br>PENF<br>SM<br>RSF<br>NRS<br>FW<br>Captio                                                                                                                                                                                                                                                                             | COVE<br>eter<br>E<br>M<br>T<br>T<br>T<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ring<br>Unit<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HE LC/<br>A1-A3<br>6.87E+11<br>3.90E-1<br>6.91E+11<br>1.61E+2<br>3.43E+11<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>1.90E-1<br>Use of re-<br>orimary ee<br>wable p<br>primary ee<br>wable p<br>the LC/<br>ing<br>A1-A3<br>3.79E-3<br>8.56E-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A - INDI<br>2.27E-1<br>0.00E+0<br>2.27E+1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>2.60E-4<br>enewables<br>nergy resa<br>al; RSF =<br>A - WA<br>A4<br>2.05E-10<br>6.05E-4                                                                                            | fossi           A5           2.49E+0           -3.90E-1           2.10E+0           5.28E+00           -2.15E-1           5.06E+00           5.73E-2           0.00E+00           6.32E-33           primary 60           ources us           use of re           STE C/           A5           1.14E-4           6.06E-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Iresour           RS TO           0.00E           as newab           ATEG           B1           0.00E           0.00E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | cces; AD           D DES           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I           I <t< td=""><td>PPF = .<br/>CCRI<br/>82<br/>4E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>0E+0<br/>1S AI<br/>82<br/>DE-10<br/>2E-3</td><td>Abiotic c<br/>BE R<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2.27E-<br/>2</td><td>Image: Control of the second state in the s</td><td>Dotential           CE         U           -1         7.99           +0         0.00           +1         7.99           +1         3.41           +0         0.00           +1         3.41           +0         0.00           +0         0.00           +0         0.00           +0         0.00           -2         2.00           se of nc         resource           I use of nc         se of nc           FLOV        </td><td>for fossi           SE ac           SE           E+0           SE+0           SE           SE</td><td>I resour           I resource           I resource</td><td>rces<br/>ing
1<br/>-7.88<br/>0.000<br/>-7.88<br/>0.000<br/>-7.88<br/>0.000<br/>-3.55<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.000<br/>0.0000<br/>0.0000<br/>0.0000<br/>0.000000</td><td>Abiotic<br/>COEN<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>2015<br/>20</td><td>1580           D/1           .00E+0           .00E+0</td><td>4+A1: 7<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+3<br/>7.39E+0<br/>0.00E+0<br/>1.58E-3<br/>2ERM = L<br/>; PENRE<br/>I = Use of<br/>0.00Ce+0<br/>4+A1:<br/>D/2<br/>-1.65E-9<br/>-3.41E-3</td><td>D/3           -5.08E-1           0.00E+0           -5.08E-1           -3.26E+1           0.00E+0           -3.26E+1           0.00E+0           -3.08E-3           Jse of           = Use of           fnon-           SM = Use           net fresh           D/3           -2.45E-9           -2.38E-1</td></t<> | PPF = .<br>CCRI<br>82<br>4E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>1S AI<br>82<br>DE-10<br>2E-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Abiotic c<br>BE
R<br>1.26E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>2.27E-<br>2.27E-<br>0.00E+<br>2.27E-<br>2.27E-<br>0.00E+<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2.27E-<br>2 | Image: Control of the second state in the s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dotential           CE         U           -1         7.99           +0         0.00           +1         7.99           +1         3.41           +0         0.00           +1         3.41           +0         0.00           +0         0.00           +0         0.00           +0         0.00           -2         2.00           se of nc         resource           I use of nc         se of nc           FLOV                                                                                                                                                                                                                                                                                                                                                                                       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1<br>-7.88<br>0.000<br>-7.88<br>0.000<br>-7.88<br>0.000<br>-3.55<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.000<br>0.0000<br>0.0000<br>0.0000<br>0.000000 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D/3           -5.08E-1           0.00E+0           -5.08E-1           -3.26E+1           0.00E+0           -3.26E+1           0.00E+0           -3.08E-3           Jse of           = Use of           fnon-           SM = Use           net fresh           D/3           -2.45E-9           -2.38E-1                                                                                                                    |
| floord<br>Parama<br>PER<br>PER<br>PENF<br>PENF<br>PENF<br>SM<br>RSS<br>FW<br>Captio<br>Captio                                                                                                                                                                                                                                                                  | eter     E       E     M       T     T       RM     R       RT     R       RT     R       F     R       F     R       I     I       F     R       I     I       I     I       R     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I       I     I <t< td=""><td>ring<br/>Unit<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ<br/>MJ</td><td>HE LC/<br/>A1-A3<br/>6.87E+1<br/>3.90E-1<br/>6.91E+1<br/>1.26E+2<br/>3.43E+1<br/>1.61E+2<br/>1.91E+0<br/>0.00E+0<br/>1.90E-1<br/>Use of ro-<br/>primary e<br/>wable p<br/>primary e<br/>wable p<br/>primary e<br/>ty material<br/>HE LC/<br/>ing<br/>A1-A3<br/>3.79E-3<br/>8.56E-1<br/>3.21E-3</td><td>A - INDI<br/>2.27E-1<br/>0.00E+0<br/>2.27E-1<br/>4.07E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+4<br/>energy ress<br/>rimary ensal; RSF =<br/>A - WA<br/>A4<br/>2.05E-10<br/>6.05E-4<br/>4.93E-6</td><td>fossi           A5           2.49E+0           3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           STEC           A5           1.14E+4           6.06E-2           1.00E-4</td><td>I resour           RS T(           B1           0.00E           as r           uding n           sed as r           newab           ATEC           B1           0.00E           0.00E           0.00E</td><td>cess; AD           DDES           I           +0         1.2           +0         0.00           +0         7.8           +0         7.8           +0         0.00           +0         7.8           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         5.90           +0         5.60           +0</td><td>PPF = .<br/>CCRI<br/>B2<br/>B2<br/>B2<br/>B2<br/>B2<br/>B2<br/>B2<br/>B2<br/>B2<br/>B2</td><td>Abiotic c<br/>BE R<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>2.27E-<br/>0.00E+<br/>1.26E-<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.26E-<br/>0.00E+<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.26E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1.45E-<br/>1</td><td>Image: Control of the second state in the s</td><td>cc:         c:           1         7.99           -0         0.00           +1         3.88           +1         3.47           +0         4.79           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +1         1.08           1         use of nc           se of nc         se of nc           FLOV        </td><td>for fossi           SE ac           SE           SE      <t< td=""><td>Iresour           cord           cord      cord      cord      c</td><td>ces           ing 1           -7.88           0.001           -7.88           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -7.702           d as r           ap prim           second           D           -7.795           -1.65           -2.54</td><td>Abiotic<br/>to EN<br/>E-2 0<br/>E+0 0<br/>E-2 0<br/>E+0 0<br/>E-1 0<br/>E+0 0</td><td>1580           D/1           .00E+0           .00E+0</td><td>4+A1:<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-7.39E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>1.58E-3<br/>PERME L<br/>I = Use of<br/>0.00E+0<br/>-1.58E-3<br/>-1.65E-9<br/>-3.41E-3<br/>-5.19E-4</td><td>D/3<br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>3.08E-3<br/>Jse of<br/>= Use of<br/>f non-<br/>SM = Use<br/>net fresh<br/>D/3<br/>-2.45E-9<br/>-2.38E-1<br/>-1.31E-4</td></t<></td></t<> | ring<br>Unit<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HE LC/<br>A1-A3<br>6.87E+1<br>3.90E-1<br>6.91E+1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>1.90E-1<br>Use of ro-<br>primary e<br>wable p<br>primary e<br>wable p<br>primary e<br>ty material<br>HE LC/<br>ing<br>A1-A3<br>3.79E-3<br>8.56E-1<br>3.21E-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A - INDI<br>2.27E-1<br>0.00E+0<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+4<br>energy ress<br>rimary ensal; RSF =<br>A - WA<br>A4<br>2.05E-10<br>6.05E-4<br>4.93E-6                                                                        | fossi           A5           2.49E+0           3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           STEC           A5           1.14E+4           6.06E-2           1.00E-4                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | cess; AD           DDES           I           +0         1.2           +0         0.00           +0         7.8           +0         7.8           +0         0.00           +0         7.8           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         5.90           +0         5.60           +0                                                                                                                                                                                                                                                                                            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R<br>1.26E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.26E-<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.26E-<br>0.00E+<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.26E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1 | Image: Control of the second state in the s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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0.00           +0         0.00           +0         0.00           +1         1.08           1         use of nc           se of nc         se of nc           FLOV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | for fossi           SE ac           SE           SE <t< td=""><td>Iresour           cord           cord      cord      cord      c</td><td>ces           ing 1           -7.88           0.001           -7.88           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -7.702           d as r           ap prim           second           D           -7.795           -1.65           -2.54</td><td>Abiotic<br/>to EN<br/>E-2 0<br/>E+0 0<br/>E-2 0<br/>E+0 0<br/>E-1 0<br/>E+0 0</td><td>1580           D/1           .00E+0           .00E+0</td><td>4+A1:<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-7.39E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>1.58E-3<br/>PERME L<br/>I = Use of<br/>0.00E+0<br/>-1.58E-3<br/>-1.65E-9<br/>-3.41E-3<br/>-5.19E-4</td><td>D/3<br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>3.08E-3<br/>Jse of<br/>= Use of<br/>f non-<br/>SM = Use<br/>net fresh<br/>D/3<br/>-2.45E-9<br/>-2.38E-1<br/>-1.31E-4</td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Iresour           cord           cord      cord      cord      c                                                                                                                                                     | ces           ing 1           -7.88           0.001           -7.88           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -7.702           d as r           ap prim           second           D           -7.795           -1.65           -2.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                                                                                         | 4+A1:<br>D/2<br>-1.61E+0<br>0.00E+0<br>-7.39E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.58E-3<br>PERME L<br>I = Use of<br>0.00E+0<br>-1.58E-3<br>-1.65E-9<br>-3.41E-3<br>-5.19E-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D/3<br>-5.08E-1<br>0.00E+0<br>-5.08E-1<br>-3.26E+1<br>0.00E+0<br>-3.26E+1<br>4.80E-1<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>3.08E-3<br>Jse of<br>= Use of<br>f non-<br>SM = Use<br>net fresh<br>D/3<br>-2.45E-9<br>-2.38E-1<br>-1.31E-4                                                                                                                                                                                       |
| floord<br>Parama<br>PER<br>PER<br>PENF<br>PENF<br>SM<br>RSF<br>NRS<br>FW<br>Captio                                                                                                                                                                                                                                                                             | COVE<br>eter<br>E<br>M<br>T<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R<br>R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ring<br>Unit<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A1-A3<br>6.87E+1<br>3.90E-1<br>6.91E+1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.90E-1<br>Use of ro<br>primary energies<br>HE LC/<br>ing<br>A1-A3<br>3.79E-3<br>8.56E-1<br>3.21E-3<br>0.00E+0<br>1.99E-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A - INDI<br>2.27E-1<br>0.00E+0<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1, RSF =<br>A - WA<br>A<br>2.05E-10<br>6.05E-4<br>4.93E-6<br>0.00E+0<br>0.00E+0<br>0.00E+0                                                                             | fossi           CATOI           2.49E+0           -3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           STE C/           A5           1.14E4           0.00E+0           0.00E+0           0.00E+0           1.30E-1                                                                                                                                                                          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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | cees; AD           DDES           I           +0         1.2;           +0         0.00           +0         7.8;           +0         7.8;           +0         0.00           +0         7.8;           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         0.00           +0         5.0           FORIE         I           +0         5.90           +0         5.6;           +0         5.3;           +0         0.00           +0         5.0;           +0         5.0;           +0         5.0;           +0         5.0;           +0         5.0;           +0         5.6;           +0         5.6;           +0         5.6;           +0         5.6;           +0         5.6;           +0         5.6;           +0         5.6;           +0         5.6;           +0         5.6;           +0                                                                                                                                                                                                                                                                                                                            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.<br>CRI<br>82<br>82<br>4E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E 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| Image: Control of the second state in the s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | cc:         c:           1         7.99           -0.000         -1           -1         7.99           +0         0.000           +1         3.88           +1         -3.47           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +0         0.000           +1         -1.00           +1         -1.00           +1         -1.00           +1         -1.00           +0         0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              
                                                                                                                                                                                                                                                            | for fossi           SE ac           33           9E-1           38E-1           58E           9E-1           38E+1           58E           9E-1           9E-0           9E-1           9E-1           9E-1           9E-1           9E-1           9E-2           4           resourc           non-rere           Non-rene           VS ac           93           7E-8           9.2           8-4           9.4           9.4           9.4           9.4           9.4           9.4           9.4           9.4           9.4           9.4           9.5           9.6           9.7 <td>I resour           I resource           I resource</td> <td>ces           ing 1           -7.88           0.001           -7.88           0.001           -7.88           0.001           -7.88           0.001           -7.705           -7.950           -1.65           -2.54           0.001           0.001</td> <td>Abiotic<br/><b>b</b>E-2 0.<br/><b>b</b>E-2 0.<br/><b>b</b>E-2 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-5 0.<br/><b>b</b>E-1 0.<br/><b>b</b>E-5 0.<br/><b>b</b>E-1 0.<br/><b>b</b></td> <td>1580           D/1           .00E+0           .00E+0</td> <td>4+A1: 7<br/>D/2<br/>-1.61E+0<br/>0.00E+0<br/>-1.61E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>0.00E+3<br/>7.39E+0<br/>0.00E+0<br/>1.58E-3<br/>2ERM = L<br/>; PENRE<br/>I = Use of<br/>0.00Ce+0<br/>4+A1:<br/>D/2<br/>-1.65E-9<br/>-3.41E-3</td> <td>D/3<br/>-5.08E-1<br/>0.00E+0<br/>-5.08E-1<br/>-3.26E+1<br/>0.00E+0<br/>-3.26E+1<br/>4.80E-1<br/>0.00E+0<br/>0.00E+0<br/>0.00E+0<br/>3.08E-3<br/>Jse of<br/>= Use of<br/>f non-<br/>SM = Use<br/>net fresh<br/>D/3<br/>-2.45E-9<br/>-2.38E-1<br/>-1.31E-4</td> | I resour           I resource           I resource | ces           ing 1           -7.88           0.001           -7.88           0.001           -7.88           0.001           -7.88           0.001           -7.705           -7.950           -1.65           -2.54           0.001           0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                 | 1580           D/1           .00E+0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                      | D/3<br>-5.08E-1<br>0.00E+0<br>-5.08E-1<br>-3.26E+1<br>0.00E+0<br>-3.26E+1<br>4.80E-1<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>3.08E-3<br>Jse of<br>= Use of<br>f non-<br>SM = Use<br>net fresh<br>D/3<br>-2.45E-9<br>-2.38E-1<br>-1.31E-4                                                                                                                                                                                       |
| floord<br>Paramo<br>PER<br>PENF<br>PENF<br>PENF<br>SM<br>SM<br>SM<br>SM<br>Captio<br>RESU<br>1 m <sup>2</sup> 1<br>Paramo<br>HWI<br>NHW<br>RESU<br>1 m <sup>2</sup> 1                                                                                                                                                                                          | COVE<br>eter<br>E<br>M<br>T<br>R<br>R<br>R<br>R<br>R<br>R<br>r<br>r<br>r<br>r<br>r<br>r<br>r<br>r<br>r<br>r<br>r<br>r<br>r                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ring<br>Unit<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A1-A3<br>6.87E+1<br>3.90E-1<br>6.91E+1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.90E-1<br>Use of re-<br>brimary en-<br>ewable p<br>primary en-<br>ewable p<br>p | A - INDI<br>2.27E-1<br>0.00E+0<br>2.27E-1<br>4.07E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>2.60E-4<br>enewable<br>nergy resa<br>rimary en-<br>nergy resa<br>rimary en-<br>nergy resa<br>rimary en-<br>nergy resa<br>A - WA<br>A<br>2.05E-10<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0 | fossi           A5           2.49E+0           -3.90E-1           2.10E+0           5.28E+0           -2.15E-1           5.06E+0           5.73E-2           0.00E+0           0.00E+0           0.00E+0           0.00E+0           0.00E+0           0.00E+0           0.00E+0           0.00E+0           0.00E+0           STE C/           A5           1.14E4           0.00E+0           0.00E+0           1.30E-1           0.00E+0                                                                                                                                                                                                                                            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| Image         Image           ESOUI         ESOUI           2         5.41E           0         0.00E           2         5.41E           0         2.54T           1         3.78E           0         -3.41E           1         3.73E           0         0.00E           0         0.00E           0         0.00E           5         1.98E           Primary         Total tr          y energy         RSF = U           Atter         UTPUT           UTPUT         C3/2           11         1.25E           5         1.16E           7         1.30E           0         0.00E           0         0.00E                                                                                                                               
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regimeration of resource           I use of resource         FLOV           **         C:           **         C:           **         C:           **         1.16           4         2.03           **         0.000           **         0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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          9/3           E=4           6           E+0           0           E+0           0           E+0           0           E+0           0           E+0           0           E+0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Iresour           C4/1           79E-1           23E+0           00E+0           23E+1           23E+0           00E+0           23E+1           23E+1<                                                                                                                 | ces           ing 1           -7.88           0.001           -7.88           0.001           -7.88           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -3.55           0.001           -7.70           d as ray en wy mate           prime           prime           ing t           -7.951           -1.654           0.0001           0.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Abiotic<br><b>b</b> E-2 0<br><b>b</b> E-2 0<br><b>b</b> E-2 0<br><b>b</b> E-1 0<br><b>b</b> E-5 0<br><b>b</b> E-1 0<br><b>b</b> E-1 0<br><b>b</b> E-5 0<br><b>b</b> E-1                                                                                                                                                                                          | 1580           D/1           .00E+0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4+A1: 7<br>D/2<br>-1.61E+0<br>0.00E+0<br>-7.39E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1+A1:<br>D/2<br>-1.65E-9<br>-3.41E-3<br>-5.19E-4<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0 | D/3           -5.08E-1           0.00E+0           -5.08E-1           -3.26E+1           0.00E+0           -3.26E+1           4.80E-1           0.00E+0           -3.08E-3           Jse of           = Use of           fnon-           SM = Use of           fnon-           SM = Use           net fresh           -2.45E-9           -2.45E-9           -1.31E-4           0.00E+0           0.00E+0           0.00E+0 |
| floord<br>Parama<br>PER<br>PENF<br>PENF<br>PENF<br>SM<br>RSF<br>NRSS<br>FW<br>Captio                                                                                                                                                                                                                                                                           | Cove<br>eter<br>E<br>M<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ring<br>Unit<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ<br>MJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A1-A3<br>6.87E+1<br>3.90E-1<br>6.91E+1<br>1.26E+2<br>3.43E+1<br>1.61E+2<br>1.91E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.90E-1<br>Use of ro<br>primary energies<br>HE LC/<br>ing<br>A1-A3<br>3.79E-3<br>8.56E-1<br>3.21E-3<br>0.00E+0<br>1.99E-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                       | I resour           RS T(           B1           0.00E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ces; AD           DDES           I           +0         1.2;           +0         0.00;           +0         7.8;           +0         7.8;           +0         0.00;           +0         7.8;           +0         0.00;           +0         0.00;           +0         0.01;           +0         0.01;           +0         0.01;           +0         5.90;           +0         5.90;           +0         5.6;           +0         5.00;           +0         0.00;           +0         0.00;           +0         0.00;           +0         0.00;           +0         0.00;           +0         0.00;           +0         0.00;           +0         0.00;                                                                                                                                                                                                                                                                                                                                                                    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.<br>CCRI<br>B2<br>4E+00<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0<br>0E+0 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R<br>1.26E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>2.27E-<br>0.00E+<br>1.26E-<br>2.27E-<br>0.00E+<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1.45E-<br>1 | Image: Control of the second state in the s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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79E-1           00E+00           00E+01           00E+02           00E+03           00E+04           00E+01           00E+02           00E+01           00E+01           00E+01           00E+01                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | rces<br>ing 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4+A1:<br>D/2<br>-1.61E+0<br>0.00E+0<br>-7.39E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>1.58E-3<br>ERM = L<br>; PENRE<br>I = Use of<br>0.00CE+0<br>-1.65E-9<br>-3.41E-3<br>-5.19E-4<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>0.00E+0<br>-1.65E-9<br>-3.41E-3<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4<br>-5.19E-4                                                                                                                                                                                                                                                                            | <b>D/3</b> -5.08E-1 0.00E+0 -3.26E+1 0.00E+0 -3.26E+1 4.80E-1 0.00E+0 0.00E+0 -3.08E-3 Jse of = Use of f non- SM = Use net fresh D/3 -2.45E-9 -2.38E-1 -1.31E-4 0.00E+0 0.00E+0 0.00E+0 0.00E+0                                                                                                                                                                                                                            |

#### DEGODIDITION OF THE OVOTEM DOUNDARY (V - INOLUDER IN LOA

Environmental Product Declaration modulyss - Tufted carpet tiles, max. total pile weight 1300 g/m<sup>2</sup> PA 6, 100% regenerated

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EEE = Exported

Caption

thermal energy

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# EPD

# **Environmental Product Declaration**

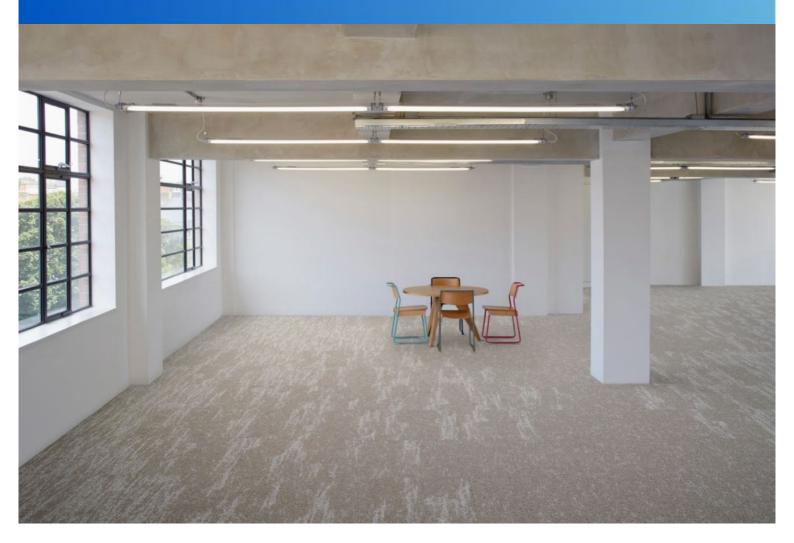
# modulyss

# LEAF ecoBack

surface pile weight: 580 g/m<sup>2</sup> pile material: polyamide 6 with 100% recycled content backing: ecoBack

These EPD data are <u>only valid</u> in combination with the environmental product declaration EPD-MOD-20210149-CBC1-EN published by Institut Bauen und Umwelt e.V. (IBU) and a GUT/Prodis license

This data set gives product specific LCA results based on the calculation procedure described in the above mentioned EPD.







# **Calculation method for similar Products of the EPD document**

The EPD document is valid for all products with a surface pile weight lower or equal to the declared maximum pile weight of 1300 g/m<sup>2</sup>.

The respective declaration number is EPD-MOD-20210149-CBC1-EN.

This document indicates more specific LCA results for (a) product(s) with identical material compositions and production parameters. The product(s) belong(s) to the same family of products and only differ in its/their pile weight(s).

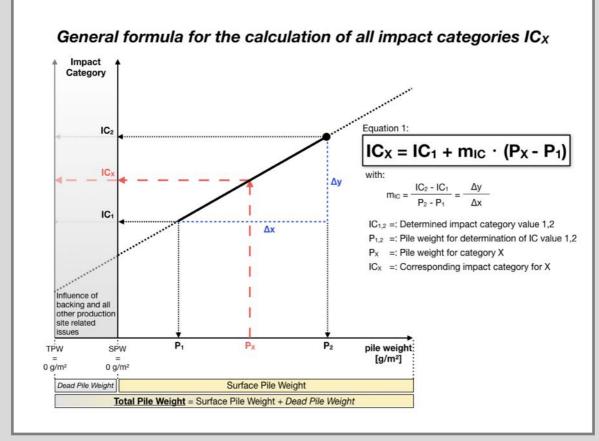
LCA results show a linear correlation with the total pile weight, for all impact categories (IC) and all modules (A-D). It is possible to calculate specific LCA results (IC<sub>x</sub>) for every carpet (x) within the declared group of products in relation to its total pile weight ( $P_x$ ).

The total pile weight (TPW) is the sum of surface pile weight (SPW) and dead pile weight (DPW):

TPW = SPW + DPW



The surface pile weight is the technical relevant value according to EN 1307 and has to be mentioned in technical specification. As shown in the figure below alternatively to the total pile weight the surface pile weight can be used to calculate LCA results (ICx).



Graph 1: General formula for the calculation of all impact categories ICx.



# General Information on use stages B1 to B7

LCA results indicate environmental impacts resulting from use stage B1 to B7.

For textile floor coverings only modules B1 (use) and B2 (maintenance) are taken into account. Modules B3 (repair), B4 (replacement), B5 (refurbishment), B6 (operational energy use) and B7 (operational water use) are not relevant during the service life of textile floor coverings.

**Module B1** 'use' includes emissions to the indoor air during the use stage. Relevant emissions only occur in the first year of life (see LCA: Calculation rules).

Module B2 'maintenance' includes cleaning procedures.

#### **Reference service life (RSL)**

The actual service life of textile floor coverings depends on a wide range of various impact factors such as the allocation of the application area to the use class, maintenance, intensity of use and most often fashion and building related aspects. Therefore, technical service life cannot be defined for textile floor coverings.

#### Total environmental impacts from module B2

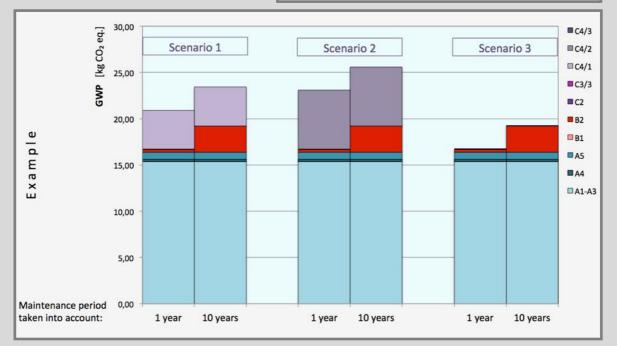
Total environmental impacts have to be calculated by taking into account the service life of textile floor coverings. Therefore, the assumed real life (ARSL) has to be used for the calculation of total environmental impacts taking into account the expected use conditions (see RSL). Module B2 (maintenance) is depending on the service life.

Values for module B2 given in the result tables are indicated for the period of one year. They have to be multiplied by the ARSL of the textile floor covering taking into account building related aspects.

The influence of the maintenance period on the Global Warming Potential (GWP) of the whole life cycle of a textile floor covering - differentiated for 3 end-of-life scenarios - is illustrated in the graph below.

3 end-of-life scenarios:

Scenario 1: 100 % Landfill disposal Scenario 2: 100 % Municipal waste incineration Scenario 3: 100 % Recycling in the cement industry



Graph 2: Global Warming Potential (GWP) - aggregation of module A to module C - taking into account a maintenance period of 1 year compared to a maintenance period of 10 years - for the three declared end-of-life scenarios.



# 1. Information on the product LEAF ecoBack

# **Product description**

Name	Value	Unit
Type of manufacture	tufted tiles	-
Yarn type	polyamide 6 with 100% recycled content	-
Total pile weight	880	g/m <sup>2</sup>
Surface pile weight	580	g/m <sup>2</sup>
Dead pile weight	270	g/m <sup>2</sup>
Secondary backing	ecoBack	-
Product Form	tiles 50 cm x 50 cm	-
Max. total carpet weight	4580	g/m <sup>2</sup>

#### Base materials / Ancillary materials

Name	Value for category	Unit
Polyamide 6	19,2	%
Polyester	11,8	%
Polypropylene	0,7	%
Limestone	35,8	%
Aluminiumhydroxide	11,0	%
SBR-Latex	10,7	%
Polyolefin	9,6	%
Glass fibre	0,2	%
Additives	0,9	%
Recycled content out of total weight	59 %	%

# LCA: Declared Unit

Name	Value for category	Unit
Declared unit	1,0	m <sup>2</sup>
Conversion factor to 1 kg	4,6	kg/m <sup>2</sup>

# LCA: Scenarios and additional technical information

#### All indicated values refer to the declared functional unit

#### Transport to the construction site (A4)

Name	Value for category	Unit
Litres of fuel (truck, EURO 0-5 mix)	0,0107	l/100km
Transport distance	700	km
Capacity utilisation (including empty runs)	55	%

#### Installation in the building (A5)

Name	Value for category	Unit
Material lost	0,14	kg

#### Maintenance (B2)

Indication per m<sup>2</sup> and year

Name	Value for category	Unit
Maintenance cycle (wet cleaning)	1,5	1/year
Maintenance cycle (vacuum cleaning)	208	1/year
Water consumption (wet cleaning)	0,004	m <sup>3</sup>
Cleaning agent (wet cleaning)	0,09	kg
Electricity consumption	0,314	kWh

#### End of Life (C1-C4)

Name	Value for category	Unit
Collected as mixed construction waste (scenario 1 and 2)	4,58	kg/m <sup>2</sup>
Collected separately (scenario 3)	4,58	kg/m <sup>2</sup>
Landfilling (scenario 1)	4,58	kg/m <sup>2</sup>
Energy recovery (scenario 2)	4,58	kg/m <sup>2</sup>
Energy recovery (scenario 3)	2,42	kg/m <sup>2</sup>
Recycling (scenario 3)	2,16	kg/m <sup>2</sup>



## LCA: Results for LEAF ecoBack

(calculated with a total pile weight of 880 g/m<sup>2</sup>)

The declared result figures in module B2 have to be multiplied by the assumed service time (in years) of the floor covering in the building considered (see chapter: 'General Information on use stages B1 to B7').

#### Information on un-declared modules:

Modules B3 - B7 are not relevant during the service life of the carpet and are therefore not declared. Modules C1, C3/1, C4/2 and C4/3 cause no additional impact and are therefore not declared. Module C2 represents the transport for scenarios 1, 2 and 3.

## Description of the system boundary

#### State of construction phase State of production State of use End of life state Credits and loads after life stop of use / demolition waste management raw material supply reuse, recovery and recycling potential manufacturing maintenance installation replacemen energy use transport transport water use disposal renewal delivery repair use D A1 X A2 X A3 X A4 X A5 X B2 B3 B4 B5 B6 X MND MND MND C1 C2 C3 X B1 C4 B7 MND X X MND

# Results for the LCA - Environmental impact: 1 m<sup>2</sup> floor covering

Para- meter	Unit	A1-A3	A4	A5	B1	B2	C2	C3/2	C3/3	C4/1	D/A5	D/1	D/2	D/3
GWP	[kg CO2-eq]	6,89E+00	2,74E-01	6,13E-01	0,00E+00	2,91E-01	1,52E-02	5,80E+00	5,86E+00	3,11E-01	-2,69E-02	0,00E+00	-6,44E-01	-3,58E-01
ODP	[kg CFC11-eq]	1,28E-08	4,78E-17	3,84E-10	0,00E+00	1,21E-08	2,65E-18	2,13E-15	2,95E-15	1,05E-15	-4,10E-16	0,00E+00	-9,74E-15	-2,17E-15
AP	[kg SO2-eq]	1,85E-02	1,13E-03	6,93E-04	0,00E+00	1,14E-03	6,28E-05	3,32E-03	3,53E-03	8,07E-04	-3,11E-05	0,00E+00	-7,40E-04	-1,28E-03
EP	[kg PO4)3-eq]	3,55E-03	2,88E-04	1,40E-04	0,00E+00	3,17E-04	1,60E-05	8,08E-04	8,53E-04	8,76E-04	-4,28E-06	0,00E+00	-1,02E-04	-1,69E-04
POCP	[kg ethen-eq]	1,02E-03	-4,85E-04	2,12E-05	6,29E-05	1,47E-04	-2,69E-05	2,05E-04	1,41E-04	7,26E-05	-2,86E-06	0,00E+00	-6,82E-05	-1,20E-04
ADPE	[kg Sb-eq]	6,19E-06	2,42E-08	1,93E-07	0,00E+00	4,43E-06	1,35E-09	1,94E-07	2,06E-07	5,97E-08	-5,04E-09	0,00E+00	-1,20E-07	-2,80E-07
ADPF	[MJ]	1,43E+02	3,73E+00	4,50E+00	0,00E+00	6,77E+00	2,07E-01	2,99E+00	3,79E+00	4,64E+00	-3,87E-01	0,00E+00	-9,29E+00	-3,23E+01

**GWP** = Global warming potential; **ODP** = Depletion potential of the stratospheric ozone layer; **AP** = Acidification potential of land and water; **EP** = Eutrophication potential; **POCP** = Formation potential of tropospheric ozone photochemical oxidants; **ADPE** = Abiotic depletion potential for non-fossil resources; **ADPF** = Abiotic depletion potential for fossil resources



Resu	Results for the LCA - Resource use: 1 m <sup>2</sup> floor covering													
Para- meter	Unit	A1-A3	A4	A5	B1	B2	C2	C3/2	C3/3	C4/1	D/A5	D/1	D/2	D/3
PERE	[MJ]	5,14E+01	2,09E-01	1,97E+00	0,00E+00	1,24E+00	1,16E-02	5,03E-01	7,39E-01	3,48E-01	-1,06E-01	0,00E+00	-2,51E+00	-5,08E-01
PERM	[MJ]	3,90E-01	0,00E+00	-3,90E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	5,18E+01	2,09E-01	1,58E+00	0,00E+00	1,24E+00	1,16E-02	5,03E-01	7,39E-01	3,48E-01	-1,06E-01	0,00E+00	-2,51E+00	-5,08E-01
PENRE	[MJ]	1,17E+02	3,74E+00	4,97E+00	0,00E+00	7,86E+00	2,08E-01	3,73E+01	3,83E+01	4,79E+00	-4,73E-01	0,00E+00	-1,13E+01	-3,26E+01
PENRM	[MJ]	3,43E+01	0,00E+00	-2,15E-01	0,00E+00	0,00E+00	0,00E+00	-3,41E+01	-3,41E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,51E+02	3,74E+00	4,75E+00	0,00E+00	7,86E+00	2,08E-01	3,29E+00	4,26E+00	4,79E+00	-4,73E-01	0,00E+00	-1,13E+01	-3,26E+01
SM	[kg]	1,47E+00	0,00E+00	4,41E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,80E-01
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m³]	1,37E-01	2,38E-04	4,71E-03	0,00E+00	4,13E-03	1,33E-05	1,84E-02	1,86E-02	4,42E-05	-1,03E-04	0,00E+00	-2,45E-03	-3,08E-03

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PERT = Total use of non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources; PENRM = Use of non-renewab

# Results for the LCA - Output flows and waste categories: 1 m<sup>2</sup> floor covering

Para- meter	Unit	A1-A3	A4	A5	B1	B2	C2	C3/2	C3/3	C4/1	D/A5	D/1	D/2	D/3
HWD	[kg]	2,57E-03	1,88E-10	7,71E-05	0,00E+00	5,90E-10	1,04E-11	1,24E-08	1,25E-08	8,61E-10	-1,06E-10	0,00E+00	-2,53E-09	-2,45E-09
NHWD	[kg]	6,96E-01	5,56E-04	5,57E-02	0,00E+00	5,62E-03	3,09E-05	1,15E+00	1,15E+00	4,56E+00	-2,21E-04	0,00E+00	-5,26E-03	-2,38E-01
RWD	[kg]	3,14E-03	4,53E-06	9,78E-05	0,00E+00	3,32E-04	2,51E-07	1,22E-04	1,89E-04	5,56E-05	-3,40E-05	0,00E+00	-8,08E-04	-1,31E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00									
MFR	[kg]	1,37E-02	0,00E+00	1,30E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,26E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00									
EEE	[MJ]	0,00E+00	0,00E+00	2,66E-01	0,00E+00	0,00E+00	0,00E+00	7,76E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	4,91E-01	0,00E+00	0,00E+00	0,00E+00	1,44E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

 Caption
 HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling;

 MER = Materials for energy recovery; EEE = Exported electrical energy; EEE = Exported thermal energy