ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804+A1

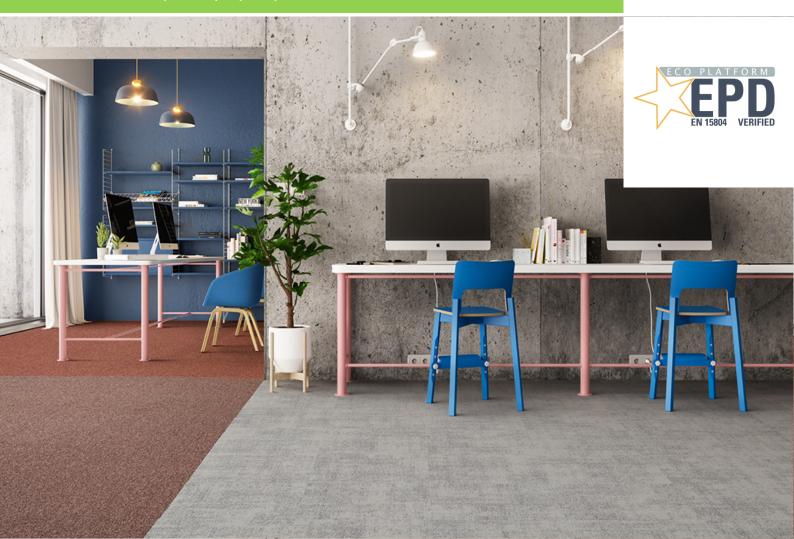
Owner of the Declaration	modulyss®
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-MOD-20210150-CBC1-EN
Issue date	08/07/2021
Valid to	07/07/2026

Tufted carpet tiles with a maximum total pile weight of 1300 g/m², a pile material of 100% polyamide 6, ecoBack or comfortBack^{eco} backing

modulyss®



www.ibu-epd.com | https://epd-online.com





General Information

modulyss®

Programme holder

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

Declaration number

EPD-MOD-20210150-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.)

u Val

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

Product

Product description/Product definition

Tufted carpet tiles having a surface pile of polyamide 6 and an ecoBack or comfortBack^{eco} 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 36% with a total pile weight of 1300 g/m² and a comfortBack^{eco} backing and at least 33% with a total pile weight of 1300 g/m² and an ecoBack backing. The declaration applies to a group of products with a maximum total pile weight of 1300 g/m².

Tufted carpet tiles

max. total pile weight 1300 g/m² 100% PA 6, ecoBack or comfortBack^{eco} backing

Owner of the declaration

modulyss Zevensterrestraat 21 9240 Zele Belgium

Declared product / declared unit

1 m² tufted carpet tiles with a surface pile of 100% virgin PA 6 and an ecoBack or comfortBack^{eco} backing.

Scope:

The manufacturer declaration applies to modular carpet tiles with ecoBack or comfortBack^{eco}, a pile material of PA 6 with a maximum total pile weight of 1300 g/m². The products are produced in Zele, Belgium

LCA results for products with a maximum total pile weight of 500 g/m² 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)

LCA results for products with a maximum total pile weight of 500 g/m² 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

Constructional 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 backing	ecoBack or comfortBackeco	-
Yarn type	polyamide 6	-
Total pile weight	max. 1300	g/m²
Total carpet weight	max. 5000	g/m²

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 ²
Conversion factor to 1 kg	5	kg/m ²

The declared unit refers to 1 m² produced textile floor covering. Output of module A5 'Assembly' is 1 m² 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 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.

Base materials/Ancillary materials

Name	Value	Unit
Polyamide 6	26,0	%
Polyester	10,8	%
Polypropylene	0.6	%
Limestone	32,8	%
Aluminiumhydroxide	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.

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.

<u>B1 Use:</u>

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.

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

D-3: Benefits for saved fossil energy and saved inorganic material due to recovery of the carpet in a cement plant.

Comparability

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

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/m².

Transport to the	e 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.

Maintenance (B2)

The values for cleaning refer to 1 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 ³
Cleaning agent (wet cleaning)	0.09	kg
Electricity consumption	0.314	kWh
Further information on algoning a		

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	5	ka
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.

Recycling in the cement industry (scenario 3) 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/m². LCA results for products with a maximum total pile weight of 500 g/m² 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).

| | | | | E SYST
RELEV
 | | UND | ARY (
 | X =
 | INCLU
 | JDED II | N LCA
 | ; MND | = MO
 | DULE | NOT C
 | DECLA | RED; |
|--|--|--|--
---|--|--

--
--|---|--
--
--

--	---
 | USE STAGE | |
 |
 |
 | |
 | E | END OF LIFE STAGE
 | |
 | | FITS AND
DADS
ND THE
STEM
IDARIES |
| Raw material
supply | Transport | Manufacturing | Transport from the gate to the site | Assembly
 | Use | Maintenance | Repair
 | Replacement
 | Refurbishment
 | Operational energy | Operational water
 | De-construction | Transport
 | Waste processing | Disposal
 | Reuse-
Recoverv- | Recycling-
potential |
| A1 | A2 | A3 | A4 | A5
 | B1 | B2 | B3
 | B4
 | В
 | 5 B6 | B7
 | C1 | C2
 | C3 | C4
 | | D |
| X | Х | X | X | X
 | X | Х | MNR
 | MN
 |
 | |
 | |
 | X | X
 | | Х |
| RESL | JLTS | OF T | HE LC/ | A - ENV
 | /IRONN | IENT. | AL IM
 | PAC
 | CT aco
 | cording | to EN
 | 15804 | 1+A1:
 | 1 m² f | loorco
 | vering | |
| Para | meter | | Unit | A1-A3
 | A4 | A5 | B1
 | 1
 | B2
 | C2 | C3/2
 | C3/3 | C4/1
 | D | D/1
 | D/2 | D/3 |
| G | WP | [kg | CO ₂ -Eq.] | 1.82E+1
 | 1 2.98E-1 | 9.69E | 1 0.00E
 | E+0 2
 | .91E-1
 | 1.66E-2 | 6.36E+0
 | 6.42E+0 | 3.40E-1
 | |
 |) -1.81E+0 | |
| | DP | [kg C | FC11-Eq. |] 3.32E-9
 | | |
 |
 |
 | 2.90E-18 |
 | |
 | 10 | 0.00E+0
 | 14 | -3.07E-
15 |
| | \ ₽
ΞΡ | | SO ₂ -Eq.]
PO₄) ³ -Eq.] | 2.81E-2
 | 2 1.23E-3
3 3.14E-4 | |
 |
 |
 | |
 | |
 | |
 |) -2.11E-3
) -2.89E-4 | |
| | | | thene-Eq. |
 | 3 -5.28E-4 | 9.56E | 5 6.29
 | E-5 1
 | .47E-4
 | -2.94E-5 | 2.70E-4
 | 2.00E-4 | 7.93E-5
 | -6.60E-6 | 6 0.00E+0
 |) -1.93E-4 | -2.08E-4 | | |
| | | [kg | Sb-Eq.] |
 | 5 2.64E-8 | |
 |
 |
 | |
 | |
 | |
 |) -3.41E-7 | | | |
| | | VP = Glo | |
 | ADPF [MJ] 3.60E+2 4.06E+0 1.10E+1 0.00E+0 6.77E+0 2.26E-1 3.41E+0 4.28E+0 5.07E+0 8.90E-1 0.00E+0 -2.60E+1 6.94E+1 | |
 |
 |
 | |
 | |
 | |
 | | | | |
| | 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 | | |
 | | |
 |
 |
 | | Acidifica
 | ition pote |
 | |
 | | |
| Captio | | | |
 | = Format | ion pote | ential of t
 | tropos
 | pheric o
 | zone phot | ochemic
 | al oxidant | s; ADPE
 | = Abioti |
 | | |
| RESL | n Eut | OF T | ion potent |
 | = Format
fossi | ion pote
I resour | ential of t
ces; AD
 | tropos
PF = /
 | pheric o
Abiotic c
 | zone phot
epletion p | ochemic
otential f
 | al oxidant
or fossil re | s; ADPE
 | = Abioti | c depletio
 | n potentia | l for non- |
| | n Eu
JLTS
cove | OF T | ion potent | ial; POCP
 | = Format
fossi | ion pote
I resour | ential of t
ces; AD
DES
 | tropos
PF = /
 | pheric o
Abiotic c
 | zone phot
epletion p | ochemic
otential f
 | al oxidant
or fossil re
SE acc | s; ADPE
 | = Abioti | c depletio
 | n potentia | l for non- |
| RESU
floor
Parame
PER | n Eut | OF T
ring
Unit | HE LC/
A1-A3
3.10E+1 | iai; POCP
A - INDI
A4
2.27E-1
 | Formation fossi CATOI A5 1.36E+0 | ion pote
il resour
RS TC
B1
0.00E | ential of t
ces; AD
DES
E
+0 1.24
 | Tropos
PF = /
CRI
32
4E+0
 | pheric o
Abiotic c
BE RI
C2
1.26E-1
 | zone phot
epletion p
ESOUR
C3/2
2 5.41E- | ochemic
otential f
CEU
C3
1 7.99
 | al oxidant
or fossil re
SE acc
/3 C4
E-1 3.79 | s; ADPE
esources
ording
1/1
9E-1 -2
 | to El
0 to El
0 46E-1 | c depletio
N 1580
D/1
0.00E+0
 | n potentia
4+A1: 1
D/2
-7.18E+0 | l for non-
1 m ²
D/3
-7.35E-1 |
| RESU
floord
Paramo
PER
PER | n Eut | OF T
ring
Unit
[MJ] | HE LC/
A1-A3
3.10E+1
3.90E-1 | ial; POCP
A - INDI
A4
2.27E-1
0.00E+0
 | = Format
fossi
ICATOI
A5
1.36E+0
-3.90E-1 | I resour
RS TO
B1
0.00E
0.00E | ential of t
ces; AD
DES
E
+0 1.24
+0 0.00
 | tropos
PF = /
CRI
32
4E+0
DE+0
 | Abiotic of
BE RI
C2
1.26E-1
0.00E+
 | zone phot
epletion p
ESOUR
C3/2
2 5.41E-
0 0.00E+ | ochemic
otential f
CEU
C3
1 7.99
0 0.000
 | al oxidant
or fossil re
SE acc
/3 C4
E-1 3.79
E+0 0.00 | s; ADPE
esources
ording
#1
===================================
 | E = Abioti
to El
0
46E-1 (
00E+0 (| c depletio
N 1580
D/1
0.00E+0
0.00E+0
 | n potentia
4+A1: 1
D/2
-7.18E+0
0.00E+0 | l for non-
1 m ²
D/3
-7.35E-1
0.00E+0 |
| RESU
floord
Parama
PER
PER
PER | n Eurona | Unit
[MJ]
[MJ]
[MJ] | A1-A3
3.10E+1
3.90E-1
3.14E+1
2.99E+2 | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+0
 | E = Format
fossi
CATO
A5
1.36E+0
-3.90E-1
9.66E-1
1.18E+1 | ion pote
resour
RS T(
B1
0.00E
0.00E
0.00E
0.00E | ential of t
ces; AD
DES
DES
+0 1.24
+0 0.00
+0 1.24
+0 7.86
 | PF = / CRI 32 4E+0 0E+0 4E+0 5E+0
 | Pheric of
Abiotic of
BE RI
1.26E-1
0.00E+
1.26E-1
2.27E- |
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
CCCCCCCCCCCCC | ochemic otential 1 CE U C3 1 7.99 0 0.001 1 7.99 1 8.041
 | al oxidant
or fossil re
SE acc
73 C4
E-1 3.79
E+0 0.00
E-1 3.79
E+1 5.23 | s; ADPE ording #/1 #====================================
 | D
46E-1 (
00E+0 (
46E-1 (
09E+0 (| C depletio
 | n potentia
4+A1: 1
D/2
-7.18E+0
0.00E+0
-7.18E+0
-3.18E+1 | 1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1 |
| RESU
floord
Parama
PER
PER
PER
PENF | ILTS | Unit
[MJ]
[MJ]
[MJ]
[MJ]
[MJ]
[MJ] | A1-A3
A1-A3
3.10E+1
3.90E-1
3.14E+1
2.99E+2
7.89E+1 | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+0
0.00E+0
 | E = Format
fossi
CATO
3.30E+0
-3.90E-1
9.66E-1
1.18E+1
-2.15E-1 | B1 0.00E 0.00E 0.00E 0.00E 0.00E 0.00E 0.00E 0.00E | ential of t
ces; AD
DES
+0 1.24
+0 0.00
+0 1.24
+0 7.86
+0 0.00
 | PF = / CRI 32 4E+0 DE+0 4E+0 DE+0 DE+0 DE+0 DE+0
 | Pheric o
Abiotic c
BE RI
C2
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
 | zone phot
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
1 7.94E-
0 -7.57E- | ochemic
otential f
CEU
C3
1 7.99
0 0.001
1 7.99
1 8.041
+1 -7.57
 | al oxidant
or fossil re
SE acc
23 C4
E-1 3.79
E+0 0.00
E-1 3.79
E+1 5.23
E+1 0.00 | s; ADPE ording 0
 | D
46E-1 (
00E+0 (
46E-1 (
00E+0 (
00E+0 (
00E+0 (| C depletio
N 1580
D/1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
 | n potentia
4+A1: 1
-7.18E+0
0.00E+0
-7.18E+0
-3.18E+1
0.00E+0 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0 |
| RESU
floord
Parama
PER
PER
PEN
PEN
SM | n Europhic Stress Stres | Unit
[MJ]
[MJ]
[MJ]
[MJ]
[MJ]
[MJ] | A1-A3
3.10E+1
3.90E-1
3.14E+1
2.99E+2 | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+0
 | E = Format
fossi
CATO
3.30E+0
-3.90E-1
9.66E-1
1.18E+1
-2.15E-1 | B1 0.00E | E +0 1.22 +0 1.22 +0 1.22 +0 1.22 +0 0.00 +0 7.86 +0 7.86 +0 7.86 +0 0.00
 | PF = / CRI 32 4E+0 DE+0 4E+0 DE+0 4E+0 DE+0 0E+0 0E+0 0E+0 0E+0 0E+0 0E+0 0E+0 0E+0 0E+0
 | Pheric of
Abiotic of
BE RI
1.26E-1
0.00E+
1.26E-1
2.27E- | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
1 7.94E-
0 -7.57E-
1 3.73E-
0 0.00E-
 | CE Us C3 7.99 0 0.001 1 7.99 1 7.99 1 7.99 1 7.99 0 0.001 1 7.99 0 4.001 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 0 0.001 | al oxidant or fossil re SE acc 3 Ca E-1 3.79 E+0 0.00 E-1 3.79 E+0 0.00 E-1 3.79 E+1 5.23 E+1 0.00 E+1 5.23 E+0 5.23
 | s; ADPE
esources
ordin(
)E-1 -2
E+0 0.
)E-1 -2
E+0 -1.
E+0 0.
E+0 -1.
E+0 0. | D
46E-1 (
00E+0 (
46E-1 (
00E+0 (
00E+0 (
00E+0 (
00E+0 (
00E+0 (
 | D/1 0.00E+0 | n potentia
4+A1: 1
D/2
-7.18E+0
0.00E+0
-7.18E+0
-3.18E+1
 | 1 for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1 |
| RESU
floord
Paramo
PER
PER
PENF
PENF
SM
RSF | n Eur | Interpolation of the second se | A1-A3
A1-A3
3.10E+1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E-1
0.00E+0 | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+0
0.00E+0
0.00E+0
0.00E+0
 | A5
1.36E+0
3.90E-1
9.66E-1
1.18E+1
-2.15E-1
1.61E-2
0.00E+0 | I resour
B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | ential of t
ces; AD
DES
E
+0 1.22
+0 0.00
+0 1.22
+0 7.86
+0 0.00
+0 7.86
+0 0.00
+0 0.00
+0 0.00
 | BF 2 CRI 32 4E+0 3E+0 0E+0 3E+0
 | Pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
0.00E+ |
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2
C3/2 | ochemic
otential 1
CE U
C3
1 7.99
0 0.000
1 7.99
1 8.040
1 7.57
0 4.790
0 0.000
0 0.000
 | al oxidant or fossil re SE acc 3 C4 51 3.79 540 0.000 541 3.79 541 5.23 541 0.000 541 0.000 541 0.000 640 5.23 640 0.000 | s; ADPE
esources
ording
#1 -2
E=0 0.
E=0 -1.
E=0 0.
E=0 0.
E=0 0.
E=0 0.
 | P Image: constraint of the second secon | C depletio
N 1580
D/1
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 | n potentia
4+A1: 7
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0 |
| RESU
floord
Parama
PER
PER
PEN
PEN
SM | n Eur | Interpolation of the second se | A1-A3
A1-A3
3.10E+1
3.90E-1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E-1 | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
 | E Format
fossi
CATOI
3.90E-1
1.18E+1
-2.15E-1
1.6E+1
1.6E+1
1.6E+1
0.00E+0
0.00E+0 | I resour
B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | ential of t
ces; AD
DES
E
+0 1.24
+0 0.00
+0 1.22
+0 7.86
+0 0.00
+0 7.86
+0 0.00
+0 0.00
+0 0.00
 | Bit Pipe Bit Pipe 32 4E+0 4E+0 0E+0 0E+0 0E+0
 | Pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+ | C3/2 5.41E-0 0 0.00E-1 7.77E-1 1 3.73E-1 0 0.00E-1 0 -7.57E-1 1 3.73E-1 0 0.00E-1 0 0.00E-1 0 0.00E-1 0 0.00E-1 0 0.00E-1
 | ochemic otential 1 CE U C3 C3 1 7.99 0 0.001 1 7.99 1 8.041 1 7.99 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 | al oxidant or fossil re SE acc 3 C4 E-1 3.79 E+0 0.00 E+1 3.79 E+1 5.23 E+0
 | s; ADPE
esources
ording
9E-1 -2
E+0 0.
9E-1 -2
E+0 -1.
E+0 0.
E+0 0.
E+0 0.
E+0 0.
E+0 0. | P Abioti 0 46E-1 0 00E+0 0 46E-1 0 00E+0 0 0 0 00E+0 0 0 0 0 00E+0 0 0 0 0 0 00E+0
 | D/1 0.00E+0 | n potentia
4+A1: 7
-7.18E+0
0.00E+0
-7.18E+0
-3.18E+1
0.00E+0
-3.18E+1
0.00E+0
 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
0.00E+0 |
| RESU
floord
Paramo
PER
PER
PENF
PENF
SM
RSF | n Eur | Introphicat | A1-A3
3.10E+1
3.30E+1
3.39E+1
3.78E+2
5.37E+1
0.00E+0
0.00E+0
5.82E-2
Use of ro | A - IND
A - IND
A - IND
2.27E-1
0.00E+0
2.27E-1
4.07E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
2.60E-4
enewable
 | E Format
fossi
CATOI
1.36E+0
-3.90E-1
1.38E+1
-2.15E-1
1.18E+1
1.6E+1
1.6E+2
0.00E+0
0.00E+0
0.00E+0
2.38E-3
primary e | B1 0.00E | E +0 1.24 +0 1.24 +0 0.00 +0 1.24 +0 7.86 +0 7.86 +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
 | Bit PF F PF F CRI CRI 32 4E+0 4E+0 DE+0 4E+0 DE+0 0E+0 DE+0 0 DE+0
 | Pheric of
Abiotic of
BE R
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+ | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
0 0.00E-
1 3.73E-
0 0.00E-
0 0.00E-
0 0.00E-
5 1.98E-
primary 0
 | ochemic otential 1 CE U C3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 2 2.00 | al oxidant or fossil restrict SE acc 3 C4 5E acc 33 C4 5E acc 379
 | s; ADPE sources ording pE-1 -2 E+0 DE-1 -2 E+0 DE-1 E+0 DE-1 E+0 DE-1 E+0 DE+0 DE+0 DE+0 DE+0 DE+0 DE+0 DE+0 DE+0 DE+0 DE-5 used a: | E Abioti 0 to EI 0 46E-1 0 46E-1 0 00E+0 0 00E+0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 | C depletio
D/1 1580
D/1 2.00E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.0E | n potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
ERM = L
 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
-6.09E-3
Jse of |
| RESU
flooro
Parama
PER
PENF
PENF
PENF
NRS
FW | n Eut | Interpolation of the second se | A1-A3
3.10E+1
3.90E-1
3.14E+1
3.74E+1
3.74E+1
3.78E+2
5.37E-1
0.00E+0
0.00E+0
5.82E-2
Use of ro-
rimary ee-
wable p | A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
energy ress
rimary en
 | E Format
fossi
CATOI
3.90E-1
9.66E-1
1.18E+1
1.16E+1
1.16E+1
1.16E+2
0.00E+0
0.00E+0
2.38E-3
primary 6
ources us
ergy excli | B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.0E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | E +0 1.24 +0 1.24 +0 0.00 +0 1.24 +0 0.00 +0 7.86 +0 0.00 +0 7.86 +0 0.00
 | tropos PF = / CRI CRI <td>Pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
0.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.4</td> <td>Zone phot cpletion p control control</td> <td>ochemic otential f CE Us 1 7.99 0 0.000 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 8.04 0 0.000 0 0.000 2 2.000 energy r se of reir resource resource</td> <td>al oxidant or fossil resident SE acc 3 C4 5E acc 3 C4 5E acc C4 3 C4 5E acc <th< td=""><td>s; ADPE assources ording bE-1 -2 E+0 0.0 E+1 -2 E+0 Used as originary as rawn for the second second</td><td>E Abioti D A 4.6E-1 0 00E+0 0 4.6E-1 0 00E+0 0 aterials s raw materials</td><td>C depletio
N
1580
D/1
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
1.00E+0
1.00E+0
1.00E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+00</td><td>A+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
PERM = L
; PENRE = Use of</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
Jse of
= Use of
f non-</td></th<></td> | Pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
0.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.4 | Zone phot cpletion p control | ochemic otential f CE Us 1 7.99 0 0.000 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 7.99 1 8.04 0 0.000 0 0.000 2 2.000 energy r se of reir resource resource
 | al oxidant or fossil resident SE acc 3 C4 5E acc 3 C4 5E acc C4 3 C4 5E acc C4 5E acc <th< td=""><td>s; ADPE assources ording bE-1 -2 E+0 0.0 E+1 -2 E+0 Used as originary as rawn for the second second</td><td>E Abioti D A 4.6E-1 0 00E+0 0 4.6E-1 0 00E+0 0 aterials s raw materials</td><td>C depletio
N 1580
D/1
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
1.00E+0
1.00E+0
1.00E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+00</td><td>A+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
PERM = L
; PENRE = Use of</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
Jse of
= Use of
f non-</td></th<> | s; ADPE assources ording bE-1 -2 E+0 0.0 E+1 -2 E+0 Used as originary as rawn for the second
 | E Abioti D A 4.6E-1 0 00E+0 0 4.6E-1 0 00E+0 0 aterials s raw materials | C depletio
N
1580
D/1
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
1.00E+0
1.00E+0
1.00E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+00 | A+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
PERM = L
; PENRE = Use of | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
Jse of
= Use of
f non- |
| RESU
floord
Paramo
PER
PER
PENF
PENF
SM
RSF | n Eui
JLTS
COVE
eter
E
M
T
T
RE
RE
RM
RT
RT
F
F
rene | Interpolation of the second se | AI-A3
3.10E+1
3.90E-1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E-1
0.00E+0
5.82E-2
Use of rrorimary e
ewable p
primary e | A - INDI
A -
INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0 | E Format
fossi
CATOI
3.90E-1
9.66E-1
1.18E+1
-2.15E-1
1.61E-2
0.00E+0
0.00E+0
2.38E-3
primary e
ources us
ergy exclu | B1 0.00E | E +0 1.22 +0 0.00 +0 1.24 +0 0.00 +0 1.24 +0 7.86 +0 0.00
 | Image: style
 | Pheric of
Abiotic of
BE R1
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.4 | zone phol c3/2 5.41E- 0 0.00E- 2 5.41E- 0 0.00E- 1 7.37E- 0 0.00E- 0 1.98E- primary (e) = Total u y energy T = Total u RSF = U U
 | ochemic otential f CE U3 1 7.99 0 0 1 7.99 0 0 1 7.99 0 | al oxidant or fossil restrict SE acc 3 C4 3 C4 3 C4 3 C4 5 2 40 0.00 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-1 3.79 2-2 4.82 2-3 2-4.82 2-4 3.82 2-3 3.92 2-4 3.92 2-4 3.92 2-4 3.92 2-5 3.92 2-4 3.92 2-4 3.92 <td>is; ADPE esources ording if if<</td> if<
 | is; ADPE esources ording if if< | E Abioti 0 to EI 46E-1 0 0 0 46E-1 0 0 0 0 4002+0
 | D/1 D/1 0.00E+0 | A potentia
4+A1: 4
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
PERNE L
:; PENRE
I = Use of ources; S | I for non- 1 m² D/3 -7.35E-1 0.00E+0 -7.35E-1 -6.98E+1 0.00E+0 -6.98E+1 0.00E+0 -6.98E+1 0.00E+0 -6.98E+1 0.00E+0 -6.99E-3 Jse of = Use of f non- M = Use |
| RESU
flooro
Parama
PER
PENF
PENF
PENF
SM
RSS
FW
Captio | n Eul
JLTS
COVE
eter
E
M
T
T
RE
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
T
R
T
R
T
R
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
R
T
T
R
T
R
T
T
R
T
T
T
T
R
T
T
T
T
T
T
T
T
T
T
T
T
T
T
T
T
T
T
T
T | OF T ring Unit [MJ] [M] [M] [M] [M] [M] [M] | AI-A3
3.10E+1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E-1
0.00E+0
5.82E-2
Use of ro-
primary en-
ewable po-
primary en-
y materia
HE LC/ | A - IND
A - IN | E =
Format
fossi
CATOI
3.90E-1
1.18E+1
-2.15E-1
1.16E+1
1.6E+1
1.6E+1
1.6E+1
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0 | B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | E +0 1.24 +0 1.24 +0 1.24 +0 0.00 +0 7.86 +0 0.00 +0 7.86 +0 0.00
 | tropos PF = / CRI 32 4E+0 DE+0 3E+0 DE+0 3E+0 DE+0 3E+0 DE+0 3E+3 ng renerials washele terials
 | Pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
0.00E+
1.45E-
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.4 | zone phol cg/e
 | ochemic otential f CE U3 1 7.99 0 0 1 7.99 0 0 1 7.99 0 0 1 7.99 0 | al oxidant or fossil restrict SE acc 3 C4 3 C4 43 C4 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 6 O.00 5 C 6 O.00 5 C C 6 O.00 C C 6 O.00 C C A.82 8 Used a Used a Used a 9 Used a Used a Used a 10 Used a <th< td=""><td>is; ADPE ssources ording if if<</td> if<</th<>
 | is; ADPE ssources ording if if< | E Abioti 0 to EI 0 46E-1 0 00E+0 0 46E-1 0 00E+0 0 00E+0 0 00E+0 0 araw materials imary er imary er nondary fr nondary fr nondary fr
 | D/1 D/1 0.00E+0 | A potentia
4+A1: 4
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
2.7.01E-3
PERME = Use of
ources; S
= Use of
ources; S | I for non- 1 m² D/3 -7.35E-1 0.00E+0 -7.35E-1 6.98E+1 0.00E+0 -6.98E+1 0.00E+0 -6.98E+1 0.00E+0 -6.09E-3 Jse of
f non- = Use of
f non- M = Use |
| RESU
flooro
Paramo
PER
PENF
PENF
PENF
SM
RSF
NRS
FW
Captio | ILTS
COVE
eter
E
M
M
T
R
R
C
M
R
T
R
R
C
C
V
E
E
M
T
R
R
C
V
E
E
M
T
R
R
C
V
E
E
M
T
R
R
C
V
E
C
V
E
E
N
M
T
T
R
R
C
V
C
V
E
E
S
C
V
E
E
S
C
V
E
E
S
C
V
E
E
S
C
C
V
E
E
S
C
C
V
E
E
S
C
C
V
E
S
C
C
V
E
S
C
C
V
E
S
C
C
V
E
S
C
C
C
V
E
S
C
C
C
V
E
S
C
C
C
V
E
S
C
C
C
C
C
E
S
C
C
C
C
C
C
C
C
C
C
C | Interpolation of the secondary of the se | A1-A3
3.10E+1
3.90E+1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E-1
0.00E+0
0.00E+0
5.82E-2
USe of ro
porimary end
porimary end
y material
HE LC/
ng | A - IND
A - IND
A - IND
2.27E-1
4.07E+0
0.00E+0
2.27E-1
4.07E+0
0.00E+0
0.00E+0
0.00E+0
2.60E-4
enewable
nergy resa
rimary en-
nergy resa
rimary en-
nergy resa
rimary en-
 | E = Format
fossi
CATOI
3.90E-1
1.18E+1
-2.15E-1
1.16E+1
1.6E+1
1.6E+1
1.6E+1
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0 | B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | E +0 1.22 +0 0.00 +0 1.22 +0 0.00 +0 7.86 +0 0.00 +0 7.86 +0 0.00
 | roposs
PF = /
CCRI
32
4E+0
DE+0
DE+0
DE+0
DE+0
DE+0
DE+0
DE+0
D
 | Pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.4 | zone phot
epietion p
SOUR
2 5.41E
0 0.00E
2 5.41E
1 7.94E
0 7.57E
1 3.73E
0 0.00E
5 1.98E
primary 0
5 1.98E
primary 0
5 T.98E
primary 0
5 T.98E
T.98E
T.98E
T.98E
T.98E
T.98E
T.98E
T.98E
T.98E | ochemic otential f CE U3 1 7.99 0 1 7.99 1 8.041 1 7.99 1 8.041
 1 1 0 | al oxidant or fossil restrict SE acc 3 C4 31 C4 32 C4 33 C4 34 C4 35 C 36 C4 37 C4 51 3.75 523 C4 0.000 540 5.23 E4 0.000 540 0.000 E40 0.000 E40 0.000 240 0.000 E40 0.000
 | s; ADPE
sources
ording
1/1
DE-1 -2
E+0 0.
DE-1 -2
DE-1 -2 | = Abioti to El 46E-1 00E+0 46E-1 009E+0 000E+0 00E+0 100E+0 100E+0 <td>c depletio
D/1
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00</td> <td>A potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
Vertical States of the second states of the sec</td> <td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh</td> | c
depletio
D/1
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00 | A potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
Vertical States of the second states of the sec | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh |
| RESU
flooro
Paramo
PER
PENF
PENF
PENF
SM
RSF
NRS
FW
Captio | n Eul
JLTS
COVE
eter
E
M
T
T
RE
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R | Interpolation of the secondaria of the secondari | A1-A3
A1-A3
3.10E+1
3.390E-1
3.390E-1
3.39E+1
3.78E+2
5.37E-1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
5.82E-2
Use of ro
brimary energy and the second
brimary energy and the second
br | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+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
2.60E-4
enewable
nergy resa
rimary en-
nergy resa
al; RSF =
A - WA
A4 | E Format
fossi
CATOI
1.36E+0
-3.90E-1
9.66E-1
1.18E+1
1.18E+1
1.18E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
2.38E-3
primary 6
0.00E+0
2.38E-3
primary
6
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00 | B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.0E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | E +0 1.24 +0 1.24 +0 1.24 +0 1.24 +0 7.86 +0 7.86 +0 7.86 +0 0.00 +0 7.86 +0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 <td>tropos PF = / CRI GCRI GCRI</td> <td>pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
ewable
; PERT
e primais; PERF
fuels; N
W
ND OI</td> <td>zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
1 7.94E-
0 0.00E-
0 0.00E-
1 3.73E-
0 0.00E-
0 0.00E-
5 1.98E-
primary 0
= Total u
y energy
T = Total
RSF = U-
ater
JTPUT</td> <td>ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0<!--</td--><td>al oxidant al oxidant or fossil re SE acc 3 C4 SE acc 3 C4 SE acc 3 C4 SE acc C3 E-1 3.79 E+1 5.23 E+1 0.00 E+1 5.23 E+1 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E-2 4.82 esources non-renewale pes used a non-renewale /S accc /3 C4</td><td>is; ADPE esources ording if if</td><td>= Abioti p to to to</td><td>c depletio N 1580 D/1 0.00E+0 15804 0/1</td><td>n potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
18ENT
28ENT = L
28ENT = L</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3</td></td> | tropos PF = / CRI GCRI
 | pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
ewable
; PERT
e primais; PERF
fuels; N
W
ND OI
 | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
1 7.94E-
0 0.00E-
0 0.00E-
1 3.73E-
0 0.00E-
0 0.00E-
5 1.98E-
primary 0
= Total u
y energy
T = Total
RSF = U-
ater
JTPUT | ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0 </td <td>al oxidant al oxidant or fossil re SE acc 3 C4 SE acc 3 C4 SE acc 3 C4 SE acc C3 E-1 3.79 E+1 5.23 E+1 0.00 E+1 5.23 E+1 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E-2 4.82 esources non-renewale pes used a non-renewale /S accc /3 C4</td> <td>is; ADPE esources ording if if</td> <td>= Abioti p to to to</td> <td>c depletio N 1580 D/1 0.00E+0 15804 0/1</td> <td>n potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
18ENT
28ENT = L
28ENT = L</td> <td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3</td> | al oxidant al oxidant or fossil re SE acc 3 C4 SE acc 3 C4 SE acc 3 C4 SE acc C3 E-1 3.79 E+1 5.23 E+1 0.00 E+1 5.23 E+1 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E-2 4.82 esources non-renewale pes used a non-renewale /S accc /3 C4
 | is; ADPE esources ording if | = Abioti p to to to
 | c depletio N 1580 D/1 0.00E+0 15804 0/1 | n potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
18ENT
28ENT = L
28ENT = L | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3 |
| RESU
Floored
Peren
PERE
PENF
PENF
SM
RSF
NRS
FW
Captio | n Eul
JLTS
cover
eter
E -
M
T
T
RE -
RT
RT
RT
RT
RT
RT
RT
RT
RT
RT
RT
RT
RT | Cover
Unit
MJ
MJ
MJ
MJ
MJ
MJ
MJ
MJ
MJ
MJ
MJ
MJ
MJ | A1-A3
3.10E+1
3.90E-1
3.39E-1
3.78E+2
5.37E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1.28E-2
Use of re
primary energy
wateria
HE LC/
ing
A1-A3
1.28E-7 | A INDI A4 2.27E-1 0.00E+0 2.27E-1 4.07E+0 0.00E+0 0.00E+0 0.00E+0 0.00E+0 0.00E+0 0.00E+0 2.60E-4 enewable nergy resaring y esaring y e
 | E Format
fossi
CATOI
-3.90E-1
9.66E-1
1.18E+1
1.18E+1
1.18E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
2.38E-3
primary 6
ources us
ergy exclusiources us
use of re
STE C/
A5
4.22E-9 | B1 0.00E 0.0 | Image: Product of the second
 | tropos PF = / CRI CRI CRI COL COL <td>pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
0.00E+
1.45E-
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
pri</td> <td>zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
0 0.00E-
1 3.73E-
0 0.00E-
1 3.73E-
0 0.00E-
1 3.73E-
0 0.00E-
5 1.98E-
primary 0
= Total u
y energy
y energy
y energy
T = Total
RSF = U
ater
JTPUT
1 1.25E-</td> <td>ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0<!--</td--><td>al oxidant al oxidant or fossil response SE acc 3 C4 SE acc 3 C4 SE acc 3 C4 SE acc C4 C3 C4 C4 C4 C4 C4 C4 C4 C5 C4 C4 C4 C4 C4</td><td>is; ADPE essources ording iff <td< td=""><td>= Abioti p to p <td< td=""><td>C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N 1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D</td><td>n potentia
4+A1: 7
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+1
1 = Use of
0.00E+0
-7.17LE-3
D/2
-7.15E-9</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9</td></td<></td></td<></td></td> | pheric of
Abiotic of
BE
RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
0.00E+
1.45E-
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
primal
pri | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
0 0.00E-
1 3.73E-
0 0.00E-
1 3.73E-
0 0.00E-
1 3.73E-
0 0.00E-
5 1.98E-
primary 0
= Total u
y energy
y energy
y energy
T = Total
RSF = U
ater
JTPUT
1 1.25E- | ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0 </td <td>al oxidant al oxidant or fossil response SE acc 3 C4 SE acc 3 C4 SE acc 3 C4 SE acc C4 C3 C4 C4 C4 C4 C4 C4 C4 C5 C4 C4 C4 C4 C4</td> <td>is; ADPE essources ording iff <td< td=""><td>= Abioti p to p <td< td=""><td>C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N
1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D</td><td>n potentia
4+A1: 7
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+1
1 = Use of
0.00E+0
-7.17LE-3
D/2
-7.15E-9</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9</td></td<></td></td<></td> | al oxidant al oxidant or fossil response SE acc 3 C4 SE acc 3 C4 SE acc 3 C4 SE acc C4 C3 C4 C4 C4 C4 C4 C4 C4 C5 C4 C4 C4 C4 C4 | is; ADPE essources ording iff iff <td< td=""><td>= Abioti p to p <td< td=""><td>C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N
1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D</td><td>n potentia
4+A1: 7
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+1
1 = Use of
0.00E+0
-7.17LE-3
D/2
-7.15E-9</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9</td></td<></td></td<> | = Abioti p to p <td< td=""><td>C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N 1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D</td><td>n potentia
4+A1: 7
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+1
1 = Use of
0.00E+0
-7.17LE-3
D/2
-7.15E-9</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9</td></td<> | C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N
1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D | n potentia
4+A1: 7
D/2
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+1
1 = Use of
0.00E+0
-7.17LE-3
D/2
-7.15E-9 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9 |
| RESU
flooro
Paramo
PER
PENF
PENF
PENF
SM
RSF
NRS
FW
Captio | n Eul
JLTS
cove
eter
E
M
T
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
T
R
R
R
T
R
R
R
T
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R
R | Interpolation of the secondaria of the secondari | A1-A3
A1-A3
3.10E+1
3.390E-1
3.390E-1
3.39E+1
3.78E+2
5.37E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
5.82E-2
Use of ro
brimary en-
ewable por
brimary en-
brimary en-
en-
en-
en-
en-
en-
en-
en- | A - INDI
A - INDI
2.27E-1
0.00E+0
2.27E-1
4.07E+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
2.60E-4
enewable
nergy resa
rimary en-
nergy resa
al; RSF =
A - WA
A4 | E Format
fossi
CATOI
1.36E+0
-3.90E-1
9.66E-1
1.18E+1
1.18E+1
1.18E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
2.38E-3
primary 6
ources us
ergy excl
ources us
ergy excl
sources us
sergy excl
sources us
s
 | B1
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.0E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E
0.00E | Important of the transmission of transmissi and transmission of transmission of transmission of | tropos PF = / CRI GCRI
 | pheric of
Abiotic of
BE RI
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
ewable
; PERT
e primais; PERF
fuels; N
W
ND OI
 | zone phol
epietion p
SOUR
2 5.41E
0 0.00E
2 5.41E
1 7.94E
0 7.57E
1 3.73E
0 0.00E
0 0.00E
5 1.98E
primary 0
= Total u
y energy
T = Total
RSF = U:
ater
JTPUT
2 C3/2
1 1.25E
5 1.16E | ochemic otential f CE U3 1 7.99 0 0 1 7.99 0 0 1 7.99 1 8 1.7.99 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 | al oxidant or fossil restrict SE acc 3 C4 5E acc 3 C4 5E acc 3 C4 5E acc 3 C4 5E acc 3 C4 523 E+1 523 E+1 523 E+1 523 E+1 60<0.00 | is; ADPE assources ording iiii iiii iiiii iiiii iiiii iiiii iiiii iiiii iiiiii iiiiii iiiiii iiiiii iiiiii iiiiii iiiiii iiiiii iiiiii iiiiiii iiiiiiiii iiiiiiiiiiiiiii iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
 | = Abioti p to El 0 46E-1 00E+0 0 46E-1 0 00E+0 0 100E+0 0 00E+0 0 100E+0 0 100E+0 </td <td>C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N 1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D</td> <td>n potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
18ENT
28ENT = L
28ENT = L</td> <td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3</td> | C depletio
N 1580
D/1
D/1
D/00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
N 1580
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D/1
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D.00E+0
D | n
potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
18ENT
28ENT = L
28ENT = L | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
-6.98E+1
0.00E+0
-6.98E+1
4.80E-1
0.00E+0
0.00E+0
-6.09E-3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3 |
| RESU
Floored
Parama
PER
PENF
PENF
PENF
SM
RSS
FW
Captio
RESU
1 m ² 1
Parama
HWI
NHW
RWI
CRU | n Euli
JLTS
cover
eter E
T
T
RE
R
R
T
R
R
T
R
R
R
R
R
R
R
R
R
R | OF T ring Unit [MJ] [M] | Al-A3
Al-A3
3.10E+1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E-1
0.00E+0
5.82E-2
Use of ro-
rimary en-
ewable po-
primary en-
wable po-
primary en-
y material
HE LC/
ing
Al-A3
1.28E-7
4.77E-1
7.01E-3
0.00E+0 | A - IND
A - | E Format
fossi
CATOI
3.90E1.
1.36E+0
3.90E1.
1.18E+1
3.90E1.
1.18E+1
2.15E.1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
STE C/
A5
4.22E-9
4.92E-2
2.14E4
4.92E-2
 | B1 0.00E | Image: Second state
 | roposs
PF = /
CCRI
32
4 E+0
5 E-0
5 | pheric of
Abiotic of
BE
R1
1.26E-
1.26E-
2.27E-
0.00E+
1.26E-
2.27E-
0.00E+
1.26E-
2.27E-
0.00E+
1.26E-
2.27E-
0.00E+
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.45E-
1.4 | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
1 7.94E-
0 0.00E-
1 7.94E-
0 0.00E-
0 0.00E-
5 1.98E-
yrimary o
= Total u
y energy
T = Total u
y energy | ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 2 2.00 energy r rse of regord resource use of r resource se of no FLOW 8 1.27 0 0.1.161 4 2.03
 | al oxidant al oxidant or fossil restrict SE acc 3 C4 F-1 3.75 E+1 5.23 E+1 5.23 E+1 5.23 E+1 0.00 E+1 5.23 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 E+0 0.00 Securces used a non-renewa //S //S accc //S acc | is; ADPE ssources ording iff iff <tr< td=""><td>= Abioti p to El p to El d6E-1 0 0 00E+0 0 0 0 00E+0 0 0 0 0 00E+0 0</td><td>c depletio N 1580 D/1 0.00E+0 0.00E+0</td><td>A potentia
4+A1: 4
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+0
-7.15E-9
-1.49E-2
-2.31E-3
0.00E+0</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
3
Jse of
= Use of
f non-
SM = Use
net
fresh
D/3
-2.66E-9
-2.39E-1
-1.88E-4
0.00E+0</td></tr<> | = Abioti p to El p to El d6E-1 0 0 00E+0 0 0 0 00E+0 0 0 0 0 00E+0 | c depletio N 1580 D/1 0.00E+0
 | A potentia
4+A1: 4
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+0
-7.15E-9
-1.49E-2
-2.31E-3
0.00E+0 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
3
Jse of
= Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9
-2.39E-1
-1.88E-4
0.00E+0 |
| RESU
Floored
PER
PER
PENF
PENF
PENF
SM
RSF
NRSS
FW
Captio
RESU
1 m ² 1
Parama
HWD
NHW
RWD
CRU
CRU
MFF | n Euli
JLTS
COVE
eter
RE
RT
RT
RR
RT
RT
RT
RT
RR
RT
RT
RT
RT
RT | OF T ring Unit [MJ] [M] Secondar OF T Cover Unit [kg] [kg] [kg] [kg] [kg] [kg] | A1-A3
3.10E+1
3.14E+1
3.90E-1
3.14E+1
2.99E+2
7.89E+1
3.78E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E | A - IND
A - | E Format
fossi
CATOI
3.90E-1
1.36E+0
3.90E-1
1.9.66E-1
1.18E+1
-2.15E-1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
1.16E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
STE C/
A5
4.22E-9
4.92E-2
2.14E4
0.00E+0
1.30E-1
 | B1 0.00E | Image: Second state
 | roposs
PF = /
CCRI
32
4E+0
DE+0
4E+0
DE+0
DE+0
DE+0
DE+0
DE+0
DE+0
DE+0
D
 | pheric of
Abiotic of
BE R1
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
0.00E+
1.45E-
9 PERT
9 P | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
1 7.94E-
1 7.94E-
1 3.73E-
0 0.00E-
0 0.00E-
5 1.98E-
7 1.30E-
7 1.30E-
1 1.25E-
5 1.16E-
7 1.30E-
1 1.25E-
5 1.16E-
7 1.30E-
0 0.00E-
1 1.25E-
5 1.16E-
7 1.30E-
0 0.00E-
1 0. | ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 2 2.00 energy r se of regress of regres of regress | al oxidant al oxidant or fossil re SE acc 3 C4 5E acc 3 C4 5E acc 3 C4 5E acc 3 C4 5E acc 375 640 0.00 523 5E acc 600 640 0.00 523 640 0.00 523 640 0.00 523 640 0.00 523 640 0.00 523 650 acc 600 640 acc 600 75 acc 75 75 acc 75 <td< td=""><td>is; ADPE is; ADPE</td><td>E Abioti 0 to EI 0 to EI 0 46E-1 0 00E+0 0 0 10DE+0 0 0 445E-10 0 1 11E-4 0 0 00E+0 0 0 00E+0 0 0 00E+0 0 0</td><td>c depletio
 N 1580 D/1 0.00E+0 0.00E+0</td><td>A potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
-3.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
PENRE
I = Use of
Cources; S
= Use of
4+A1:
D/2
-7.15E-9
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.18E-9
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
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
-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
-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
-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
-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
-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
-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
-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
-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
-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
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00</td><td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
Jse of
ron-
SM = Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9
-2.39E-1
-1.88E-4
0.00E+0
0.00E+0
0.00E+0
0.00E+0</td></td<> | is; ADPE | E Abioti 0 to EI 0 to EI 0 46E-1 0 00E+0 0 0 10DE+0 0 0 445E-10 0 1 11E-4 0 0 00E+0 0 0 00E+0 0 0 00E+0 0 0
 | c depletio N 1580 D/1 0.00E+0 | A potentia
4+A1:
D/2
-7.18E+0
0.00E+0
-7.18E+0
-3.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.01E-3
PENRE
I = Use of
Cources; S
= Use of
4+A1:
D/2
-7.15E-9
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-7.18E-9
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
0.00E+0
-0.00E+0
-0.00E+0
-1.49E-2
-2.31E-3
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
-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
-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
-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
-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
-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
-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
-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
-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
-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
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00E+0
-0.00 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
Jse of
ron-
SM = Use of
f non-
SM = Use
net fresh
D/3
-2.66E-9
-2.39E-1
-1.88E-4
0.00E+0
0.00E+0
0.00E+0
0.00E+0 |
| RESU
Floored
Parama
PER
PENF
PENF
PENF
SM
RSS
FW
Captio
RESU
1 m ² 1
Parama
HWI
NHW
RWI
CRU | n Euli
JLTS
COVE
eter
E
T
T
RE
R
R
R
R
R
R
R
R
R
R
R
C
C
C
C
C
C
C | COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
COVERT
CO | A1-A3
3.10E+1
3.390E-1
3.390E-1
3.390E-1
3.392E-1
3.78E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5.37E+2
5 | A - IND
A - | E
Format
fossi
CATOI
1.36E+0
3.90E-1
9.66E-1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
1.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
STE C/
AS
4.22E-9
4.92E-2
2.14E-4
0.00E+0
1.30E-1
0.00E+0 | B1 0.00E | Image: Second
 | roposs
PF = /
CCRI
32
4 E+0
5 E-0
5 | pheric of
Abiotic of
BE R1
1.26E-
0.00E+
1.26E-
2.27E-
0.00E+
2.27E-
0.00E+
1.45E-
pERT
pERT
pERT
pERT
pERT
pERT
pERT
pERT
 | zone phol
epletion p
SOUR
2 5.41E-
0 0.00E-
2 5.41E-
0 0.00E-
1 7.94E-
0 0.00E-
1 3.73E-
0 0.00E-
1 3.73E-
0 0.00E-
5 1.98E-
7 1.08E-
7 1.25E-
5 1.16E-
7 1.25E-
5 1.16E-
7 1.30E-
0 0.00E-
0 0. | ochemic otential f CE U3 1 7.99 0 0.001 1 7.99 0 0.001 1 7.99 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 0 0.001 2 2.00 energy r rese of no FLOW C3 8 1.27 0 1.161 4 2.03 0 0.001 0 0.001 0 0.001
 | al oxidant al oxidant or fossil re SE acc 3 C4 5E acc 3 C4 5E acc 3 C4 5E acc 3 C4 5E acc 375 640 0.00 523 5E acc 600 640 0.00 523 640 0.00 523 640 0.00 523 640 0.00 523 640 0.00 523 650 acc 600 640 acc 600 75 acc 75 75 acc 75 <td< td=""><td>s; ADPE ssources ording bE-1 -2 E+0 0. E+1 -2 E+0 1. E+0 0. Defend 0. E+0 0. E-10 -2. E+0 -7. E+0 0. E+0 0. E+0 0. E+0 0. E+0 0. E+0 0. E+0 0.</td><td>= Abioti p to to to p to p to p to p to p to p</td></td<> <td>c depletio N 1580 D/1 0.00E+0 0.00E+0</td> <td>A potentia
4+A1: 4
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+0
-7.15E-9
-1.49E-2
-2.31E-3
0.00E+0</td> <td>I for non-
1 m²
D/3
-7.35E-1
0.00E+0
-7.35E-1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1.00E+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
0.00E+0
0.00E+0
0.00E+0</td> | s; ADPE ssources ording bE-1 -2 E+0 0. E+1 -2 E+0 1. E+0 0. Defend 0. E+0 0. E-10 -2. E+0 -7. E+0 0. | = Abioti p to to to p to p to p to p to p to p
 | c depletio N 1580 D/1 0.00E+0 | A potentia
4+A1: 4
D/2
-7.18E+0
0.00E+0
-7.18E+0
0.00E+0
-7.18E+1
0.00E+0
-3.18E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1 = Use of
0.00E+0
-7.15E-9
-1.49E-2
-2.31E-3
0.00E+0 | I for non-
1 m ²
D/3
-7.35E-1
0.00E+0
-7.35E-1
0.00E+0
-6.98E+1
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
0.00E+0
1.00E+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
0.00E+0
0.00E+0
0.00E+0 |

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA: MND = MODULE NOT DECLARED)

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

References

EN 1307

DIN EN 1307: 2014+A1:2016: Textile floor coverings - Classification

EN 13501-1

DIN EN 13501-1:2010-01: Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

EN 14041

DIN EN 14041: 2018-05: Resilient, textile and laminate floor coverings - Essential characteristics

EN 15804

EN 15804:2012-04+A1 2013/, Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction products

EN 16810

DIN EN 16810: 2017-08: Resilient, textile and laminate floor coverings – Environmental product declarations – Product category rules

ISO 10874

DIN EN ISO 10874: 2012-04: Resilient, textile and laminate floor coverings - Classification

ISO 14025

DIN EN /ISO 14025:2011-10: Environmental labels and declarations — Type III environmental declarations — Principles and procedures

ISO 15686

ISO 15686: Buildings and constructed assets - Service life planning

ISO 15686-1: 2011-05: Part 1: General principles and framework

ISO 15686-2: 2012-05: Part 2: Service life prediction procedures

ISO 15686-7: 2006-03: Part 7: Performance evaluation for feedback of service life data from practice ISO 15686-8: 2008-06: Part 8: Reference service life and service-life estimation

Regulation (EU) No. 305/2011

Regulation No. 305/2011 Construction Products Regulation (CPR) of the European Council and of the European Parliament, April 2011

CML characterization factors

Impact assessment characterization factors, version 4.7, August 2016, Institute of Environmental Sciences - 'Centrum voor Milieuwetenschappen in Leiden' (CML), Leiden, The Netherlands

ECHA candidate list

Candidate List of substances of very high concern (SVHCs) for authorisation, 16.01.2020, European Chemicals Agency (ECHA), Helsinki, Finland

ecoinvent 3.6

ecoinvent, Zurich, Switzerland, database version 3.6, published September 2019

GaBi database 2021-1

GaBi Software-System and Database for Life Cycle Engineering, thinkstep AG, Leinfelden-Echterdingen, 2021-1

IBU 2021

IBU (2016): General Programme Instructions for the Preparation of EPDs at the Institut Bauen und Umwelt e.V., Version 2.0 Institut Bauen und Umwelt e.V., Berlin, www.ibu-epd.de

PCR Part A

Product Category Rules for Construction Products from the range of Environmental Product Declarations. Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Background Report, V1.9, Berlin: Institut Bauen und Umwelt e.V. (IBU), Januar 2021

PCR Part B

Product Category Rules for Construction Products from the range of Environmental Product Declarations of Institut Bauen und Umwelt (IBU), Part B: Requirements on the EPD for floor coverings, V1.2, Berlin: Institut Bauen und Umwelt e.V. (IBU), February 2018

PRODIS

Product Information System (PRODIS) of the European Carpet Industry, Gemeinschaft umweltfreundlicher Teppichboden e.V (GUT) and European Carpet and Rug Association (ECRA), http://www.pro-dis.info

REACH

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Last update: 25.03.2014 (Status: 27.06.2018)

VDZ e.V.

Association of German Cement Works, Ed. Environmental Data of the German Cement Industry 2018

Institut Bauen und Umwelt e.V.	Publisher Institut Bauen und Umwelt e.V. Panoramastr. 1 10178 Berlin Germany	Tel Fax Mail Web	+49 (0)30 3087748- 0 +49 (0)30 3087748- 29 info@ibu-epd.com www.ibu-epd.com
Institut Bauen und Umwelt e.V.	Programme holder Institut Bauen und Umwelt e.V. Panoramastr 1 10178 Berlin Germany	Tel Fax Mail Web	+49 (0)30 - 3087748- 0 +49 (0)30 – 3087748 - 29 info@ibu-epd.com www.ibu-epd.com
AND AND HALLAN	Author of the Life Cycle Assessment Gemeinschaft umweltfreundlicher Teppichboden (GUT) e.V. Schönebergstraße 2 52068 Aachen Germany	Tel Fax Mail Web	+49 (0)241 96843 410 +49 (0)241 96843 400 mail@gut-ev.de www.gut-ev.org
modu lyss [°]	Owner of the Declaration modulyss Zevensterrestraat 21 9240 Zele Belgium	Tel Fax Mail Web	+32 (0)52 45 72 11 +32 (0)52 44 90 99 info@modulyss.com www.modulyss.com



Environmental Product Declaration

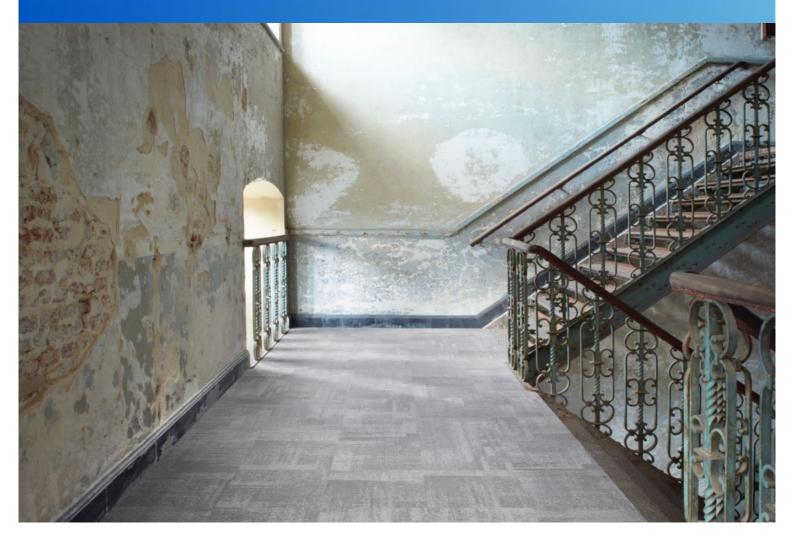
modulyss

Pixel ecoBack

surface pile weight: 372 g/m² pile material: 100% polyamide 6 backing: ecoBack

These EPD data are <u>only valid</u> in combination with the environmental product declaration EPD-MOD-20210150-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/m².

The respective declaration number is EPD-MOD-20210150-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).

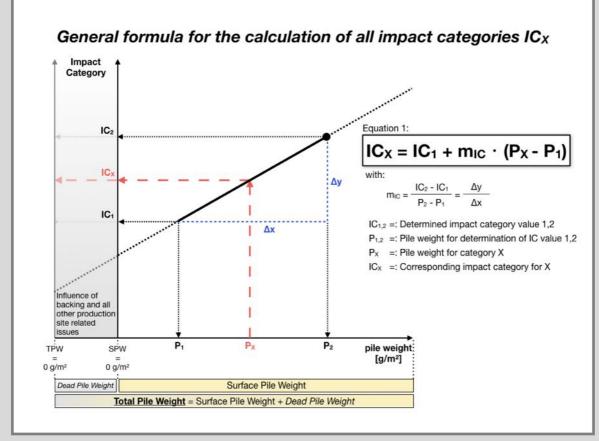
LCA results show a linear correlation with the total pile weight, for all impact categories (IC) and all modules (A-D). It is possible to calculate specific LCA results (IC_x) for every carpet (x) within the declared group of products in relation to its total pile weight (P_x).

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

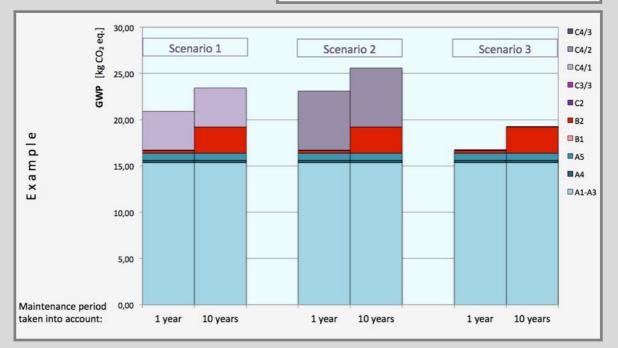
Total environmental impacts have to be calculated by taking into account the service life of textile floor coverings. Therefore, the assumed real life (ARSL) has to be used for the calculation of total environmental impacts taking into account the expected use conditions (see RSL). Module B2 (maintenance)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

Product description

Name	Value	Unit
Type of manufacture	tufted tiles	-
Yarn type	100% polyamide 6	-
Total pile weight	605	g/m ²
Surface pile weight	372	g/m²
Dead pile weight	233	g/m ²
Secondary backing	ecoBack	-
Product Form	tiles 50 cm x 50 cm	-
Max. total carpet weight	4305	g/m ²

Base materials / Ancillary materials

Name	Value for category	Unit
Polyamide 6	14,1	%
Polyester	12,5	%
Polypropylene	0,7	%
Limestone	38,1	%
Aluminiumhydroxide	11,7	%
SBR-Latex	11,4	%
Polyolefin	10,3	%
Glass fibre	0,3	%
Additives	1,0	%
Recycled content out of total weight	42 %	%

LCA: Declared Unit

Name	Value for category	Unit
Declared unit	1,0	m ²
Conversion factor to 1 kg	4,3	kg/m ²

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)	0,0101	l/100km
Transport distance	700	km
Capacity utilisation (including empty runs)	55	%

Installation in the building (A5)

Name	Value for category					
Material lost	0,13	kg				

Maintenance (B2)

Indication per m² 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 ³
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)	4,31	kg/m ²
Collected separately (scenario 3)	4,31	kg/m ²
Landfilling (scenario 1)	4,31	kg/m ²
Energy recovery (scenario 2)	4,31	kg/m ²
Energy recovery (scenario 3)	2,15	kg/m ²
Recycling (scenario 3)	2,16	kg/m ²



LCA: Results for Pixel ecoBack

(calculated with a total pile weight of 605 g/m²)

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 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 Х MND

Results for the LCA - Environmental impact: 1 m² 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]	1,13E+01	2,58E-01	7,35E-01	0,00E+00	2,91E-01	1,43E-02	5,43E+00	5,49E+00	2,92E-01	-5,07E-02	0,00E+00	-1,44E+00	-4,73E-01
ODP	[kg CFC11-eq]	2,70E-09	4,51E-17	8,11E-11	0,00E+00	1,21E-08	2,49E-18	2,01E-15	2,78E-15	9,92E-16	-7,79E-16	0,00E+00	-2,21E-14	-2,59E-15
AP	[kg SO2-eq]	1,84E-02	1,06E-03	6,66E-04	0,00E+00	1,14E-03	5,90E-05	2,59E-03	2,78E-03	7,59E-04	-5,90E-05	0,00E+00	-1,67E-03	-1,58E-03
EP	[kg PO4)3-eq]	3,04E-03	2,71E-04	1,19E-04	0,00E+00	3,17E-04	1,51E-05	6,16E-04	6,59E-04	8,23E-04	-8,09E-06	0,00E+00	-2,29E-04	-2,15E-04
POCP	[kg ethen-eq]	1,94E-03	-4,57E-04	4,85E-05	6,29E-05	1,47E-04	-2,53E-05	1,63E-04	1,03E-04	6,83E-05	-5,40E-06	0,00E+00	-1,53E-04	-1,61E-04
ADPE	[kg Sb-eq]	6,66E-06	2,28E-08	2,07E-07	0,00E+00	4,43E-06	1,27E-09	1,90E-07	2,01E-07	5,61E-08	-9,55E-09	0,00E+00	-2,71E-07	-2,92E-07
ADPF	[MJ]	2,36E+02	3,51E+00	7,26E+00	0,00E+00	6,77E+00	1,95E-01	2,72E+00	3,46E+00	4,37E+00	-7,28E-01	0,00E+00	-2,06E+01	-4,95E+01

GMP = 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 ² 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]	2,27E+01	1,97E-01	1,11E+00	0,00E+00	1,24E+00	1,09E-02	4,78E-01	7,00E-01	3,27E-01	-2,01E-01	0,00E+00	-5,69E+00	-6,13E-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]	2,31E+01	1,97E-01	7,13E-01	0,00E+00	1,24E+00	1,09E-02	4,78E-01	7,00E-01	3,27E-01	-2,01E-01	0,00E+00	-5,69E+00	-6,13E-01
PENRE	[MJ]	1,94E+02	3,52E+00	7,86E+00	0,00E+00	7,86E+00	1,95E-01	5,64E+01	5,73E+01	4,50E+00	-8,91E-01	0,00E+00	-2,53E+01	-4,99E+01
PENRM	[MJ]	5,41E+01	0,00E+00	-2,15E-01	0,00E+00	0,00E+00	0,00E+00	-5,35E+01	-5,35E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	2,48E+02	3,52E+00	7,65E+00	0,00E+00	7,86E+00	1,95E-01	3,00E+00	3,91E+00	4,50E+00	-8,91E-01	0,00E+00	-2,53E+01	-4,99E+01
SM	[kg]	5,37E-01	0,00E+00	1,61E-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]	4,20E-02	2,24E-04	1,82E-03	0,00E+00	4,13E-03	1,25E-05	1,75E-02	1,77E-02	4,15E-05	-1,97E-04	0,00E+00	-5,55E-03	-4,48E-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 m² 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]	9,38E-08	1,77E-10	3,19E-09	0,00E+00	5,90E-10	9,83E-12	1,23E-08	1,24E-08	8,09E-10	-2,00E-10	0,00E+00	-5,67E-09	-2,55E-09
NHWD	[kg]	4,16E-01	5,23E-04	4,72E-02	0,00E+00	5,62E-03	2,90E-05	1,15E+00	1,15E+00	4,29E+00	-4,18E-04	0,00E+00	-1,19E-02	-2,39E-01
RWD	[kg]	4,90E-03	4,26E-06	1,51E-04	0,00E+00	3,32E-04	2,36E-07	1,16E-04	1,80E-04	5,23E-05	-6,47E-05	0,00E+00	-1,83E-03	-1,58E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00									
MFR	[kg]	2,28E-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	2,46E-01	0,00E+00	0,00E+00	0,00E+00	7,11E+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	4,56E-01	0,00E+00	0,00E+00	0,00E+00	1,32E+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 recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EEE = Exported thermal energy