



# Verus Chair

## Plastic Base

### Seating



## Environmental Product Declaration

Date of Issue: November 30, 2022

Date of Expiration: November 30, 2027

### Product Category Rules

BIFMA PCR for Seating, UNCPC 3811

ISO 14025/14040/14044 and EN 15804+A1




### Functional Unit

1 seat maintained for a 10-year period (1 Verus Chair)

This EPD was not written to support comparative assertions. EPDs based on different PCRs, or different calculation models, may not be comparable. When attempting to compare EPDs or life cycle impacts of products from different companies, the user should be aware of the uncertainty in the final results, due to and not limited to, the practitioner's assumptions, the source of the data used in the study, and the software tool used to conduct the study.

\*The results presented in this report consist of the weighted average impacts of Verus Chairs made in the United States, the United Kingdom, and China. The reference product noted relates to a specific SKU for the product manufactured in the US.

# Verus Chairs

|  |   |   |
|--|---|---|
| Program Operator   | NSF Certification LLC<br>789 N. Dixboro, Ann Arbor, MI 48105<br>www.nsf.org   |  |
| Manufacturer Name and Address  | Herman Miller<br>855 East Main Ave. PO Box 302<br>Zeeland, MI 49464-0302 USA  |   |
| Declaration Number   | EPD#10799   |   |
| Declared Product and Functional Unit   | Verus Chairs<br>Functional Unit: 1 unit of seating for 1 individual maintained for 10 years   |   |
| Reference PCR and Version Number   | BIFMA PCR for Seating   |   |
| Product's intended Application and Use   | Office Chair  |   |
| Product RSL  | 10 years  |   |
| Markets of Applicability   | North America, EMEA, APAC   |   |
| Date of Issue  | November 30, 2022   |   |
| Period of Validity   | 5 years from date of issue  |   |
| EPD Type   | Product Specific  |   |
| Intended Audience  | Business-to-Business, Business-to-Consumer  |   |
| Range of Dataset Variability   | N/A   |   |
| EPD Scope  | Cradle to Grave   |   |
| Year of reported manufacturer primary data   | Fiscal Year 2020 (April 2019-March 2020)  |   |
| LCA Software and Version Number  | GaBi 10.6.1.35  |   |
| LCI Database and Version Number  | GaBi Database 2021.1  |   |
| LCIA Methodology and Version Number  | TRACI 2.1<br>CML 2001-Oct 2012  |   |
| The PCR review was conducted by:   | Review Panel Chaired by Dr. Thomas Gloria   |   |
| This declaration was independently verified in accordance with ISO 14025: 2006. The CEN Norm EN 15804 (2012), serves as the core PCR, with additional considerations from BIFMA PCR for Office Furniture Seating Products.<br><input type="checkbox"/> Internal <input checked="" type="checkbox"/> External   | Tony Favilla<br>afavilla@nsf.org<br>   |   |
| This reference life cycle assessment was conducted in accordance with ISO 14044 and the reference PCRs:  | Herman Miller Background Report for LCA/EPD Creation Tool v1.6<br>Matt Van Duinen - WAP Sustainability Consulting<br>matt@wapsustainability.com                   |   |
| This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:   | Jack Geibig - EcoForm<br>jgeibig@ecoform.com<br>                             |   |
| References   | BIFMA PCR for Seating: UNCPC 3811. Version 3<br>ISO 14025/40/44; 2006<br>EN 15804:2012+A1; 2013<br>Herman Miller Background Report for LCA/EPD Creation Tool v1.6 |   |
| <p>Limitations:<br/>Environmental declarations from different programs (ISO 14025) may not be comparable. Comparison of the environmental performance of Products using EPD information shall be based on the product's use and impacts at the building level, and therefore EPDs may not be used for comparability purposes when not considering the building energy use phase as instructed under this PCR. Full conformance with the PCR for Products allows EPD comparability only when all stages of a life cycle have been considered. However, variations and deviations are possible". Example of variations: Different LCA software and background LCI datasets may lead to differences results for upstream or downstream of the life cycle stages declared.</p> |   |   |

# Verus Chairs

## Product Description

Verus redefines what an affordable work chair can be. Efficiently designed and engineered to assure ergonomic alignment and support, it gives people both short-term and long-term comfort at an equally comfortable price.

With a quiet, versatile form that comes in a range of colors and fabrics and the option for a suspension, upholstered, or TriFlex back, the Verus family flexes easily to any aesthetic.

Everyone in your office deserves ergonomic support and spinal alignment. With built-in sacral reinforcement and options for adjustable lumbar support, Verus strengthens employee wellness through engineered design that's affordable for all.



### Company Description

MillerKnoll is a collective of dynamic brands that comes together to design the world we live in. Together we are redefining modern design for the 21<sup>st</sup> century and changing the world for the better. As MillerKnoll, we form an unparalleled platform from which to imagine a more sustainable, caring, and beautiful world for everyone.

Herman Miller, a brand within MillerKnoll, creates inspiring designs to help people do great things at work, for learning, for wellness, at home, wherever people are. Our designs and the designers who work with us solve real problems for people and their organizations. This way of thinking about design has led us to be recognized as an innovator in furnishings, personal work accessories, and strategic services.

### Our Sustainability Goals

We will be Resource Smart, Eco-inspired, and Community Driven.

#### Resource Smart

- Zero Waste
- Net Zero Water
- Net Zero Energy

#### Eco-inspired Design

- All products designed for the environment
- All products BIFMA level 3 certified
- Closed-Loop recycling of used product

#### Community Driven

- All employees engaged in Earthright
- All suppliers committed to being Resource Smart

### Supplier Support

At Herman Miller, we are committed to working closely with our suppliers to reduce our collective impact on the environment. We encourage our suppliers to minimize their operations' environmental impacts and require they assist us in decreasing our facilities' environmental effects.

### Manufacturing Location

- 10201 Adams St, Holland, MI 49423, United States
- 1 Portal Rd, Bowerhill, Melksham, SN12 6GN, United Kingdom
- Building 68, No.9 Jiangchengxi Road, Gaobu Town, Dong-guan City,Guangdong Province, p.r. China

### Warranty

Backed by Herman Miller's 12-year, 24/7 warranty

### Design for the Environment Criteria

Our commitment to corporate sustainability naturally includes minimizing the environmental impact of each of our products. Our Design for the Environment team applies environmentally sensitive design standards to

both new and existing Herman Miller products, and goes beyond regulatory compliance to thoroughly evaluate new product designs in key areas:

- **Material Chemistry and Safety of Inputs**  
What chemicals are in the materials we specify, and are they the safest available?
- **Disassembly**  
Can we take products apart at the end of their useful life, to recycle their materials?
- **Recyclability**  
Do the materials contain recycled content, and more importantly, can the materials be recycled at the end of the product's useful life?
- **Life Cycle Assessment (LCA)**  
Have we optimized the product based on the entire life cycle?

### Product Environmental Data

|                         | United States | United Kingdom | China |
|-------------------------|---------------|----------------|-------|
| Recycled Content        | 26%           | 17%            | 10%   |
| Post-Consumer           | 15%           | 13%            | 7%    |
| Pre-Consumer            | 11%           | 4%             | 3%    |
| Recyclability (max %) * | 94%           | 95%            | 95%   |

\*This recyclability rate is the maximum amount of the product that is recyclable, based on the availability of recycling facilities in the specified regions and the ability of the product to be disassembled. Note that, per the requirements of the PCR, the End-of-Life results presented in this EPD were calculated using the US EPA's recycling rates within the 2020 Municipal Solid Waste Report for parts that can be disassembled.

### Environmental Certifications\*\*

BIFMA level® 3  
AFRDI Green Tick Platinum  
Indoor Advantage™ Gold

### Packaging\*\*

Returnable packaging is available.

Additional information, including installation and recycling instructions, can be found at <https://www.hermanmiller.com/products/seating/office-chairs/verus-chairs/pro-resources/>

\*\*This data is specific to US-produced products. For data on UK-produced products, please contact your sales representative or visit [www.hermanmiller.com](http://www.hermanmiller.com)

# Verus Chairs

## MATERIAL DECLARATION

### Functional Unit

1 unit of seating for 1 individual maintained over a 10-year period, including packaging materials used for the final assembled product.

### Reference Flow and Product Specifications

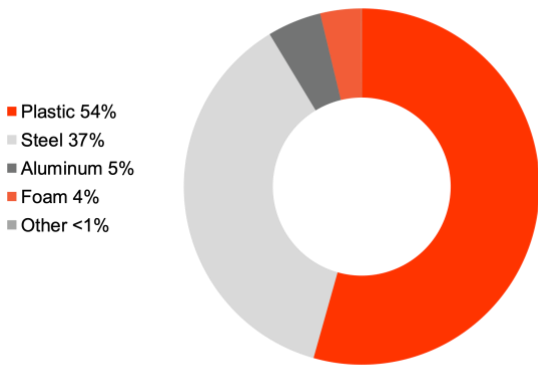
One unit of Verus seating (product number: PIA2B325AAAJBK36505BB23512) with interweave 2 suspension back, standard height range, semi synchronous tilt with limiter, fully adjustable arms, adjustable seat depth, adjustable lumbar with sacral support, and black base with black frame was modeled for this EPD. This is determined to be a representative product based on sales of the variations. The results presented on the subsequent pages consist of the weighted average impacts of Verus Chairs made in the United States, the United Kingdom, and China. The product composition table to the right relates to a specific SKU for the product manufactured in the US.

### System Boundary

Cradle-to-Grave

### Content Declaration

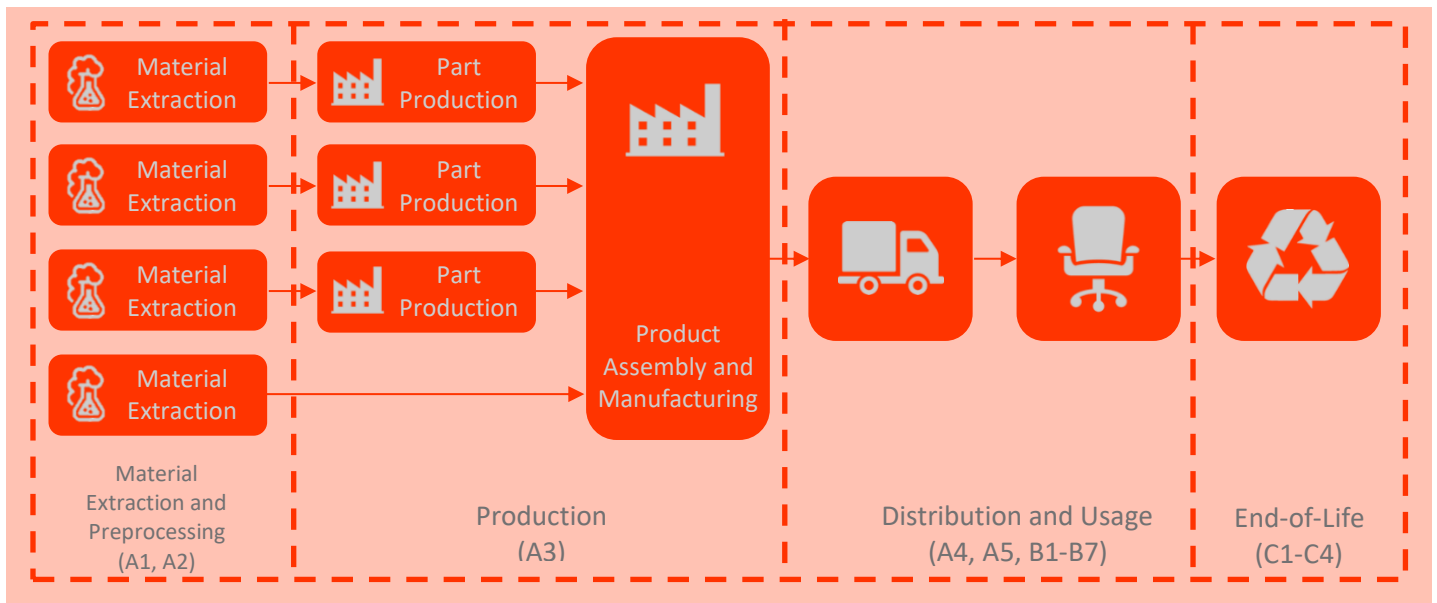
The table to the right details the materials included in a specific SKU for the product made in the United States, summarized in the chart below. In order to achieve the functional unit, 1 seating unit is required.



| Material                              | Mass (kg)    | Mass (%)    | Resource                                  |
|---------------------------------------|--------------|-------------|---|
| Polyamide 6 (PA6)                     | 8.74         | 52.5%       | Virgin Non-renewable                      |
| Steel                                 | 6.15         | 37.0%       | Virgin Non-renewable and Recycled Content |
| Aluminum                              | 0.82         | 4.9%        | Recycled Content                          |
| Polyurethane Foam                     | 0.62         | 3.7%        | Virgin Non-renewable                      |
| Polyoxymethylene (POM)                | 0.12         | 0.7%        | Virgin Non-renewable                      |
| Thermoplastic Polyurethane (TPU)      | 0.06         | <1%         | Virgin Non-renewable                      |
| Polypropylene (PP)                    | 0.04         | <1%         | Virgin Non-renewable                      |
| High Density Polyethylene (HDPE)      | 0.04         | <1%         | Virgin Non-renewable                      |
| Acrylonitrile Butadiene Styrene (ABS) | 0.03         | <1%         | Virgin Non-renewable                      |
| Other                                 | 0.02         | <1%         | Virgin Non-renewable                      |
| <b>Total</b>                          | <b>16.64</b> | <b>100%</b> |   |

| Packaging*            | Mass (kg)   | Mass (%)    | Resource             |
|-----------------------|-------------|-------------|----------------------|
| Corrugate             | 4.94        | 98.3%       | Recycled Content     |
| Polyethylene (PE) Bag | 0.09        | 1.7%        | Virgin Non-renewable |
| <b>Total</b>          | <b>5.03</b> | <b>100%</b> |                      |








\*Returnable/reusable shipping blankets also available



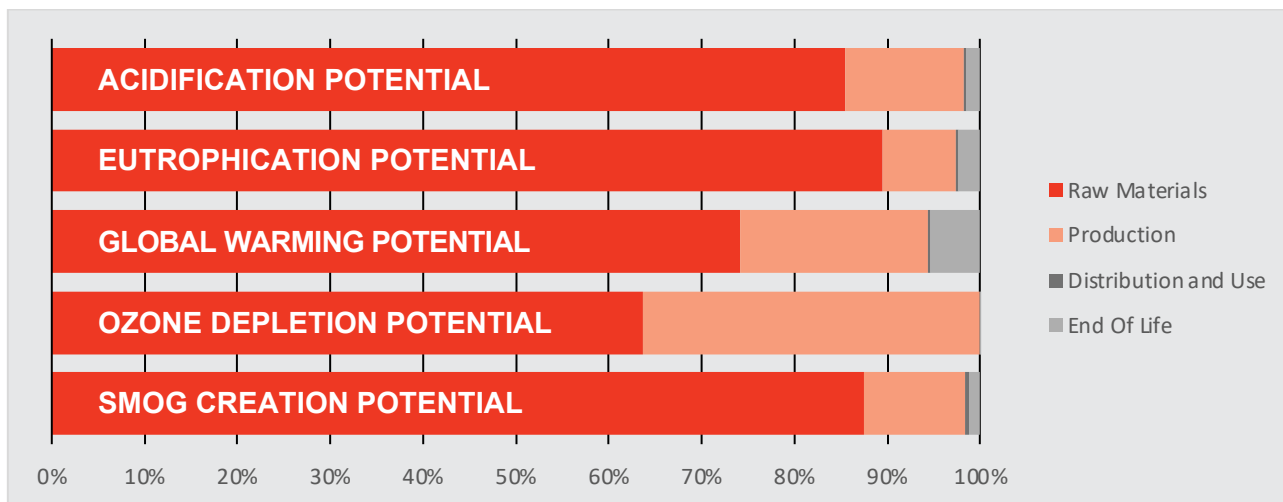
# Verus Chairs

## Life Cycle Impact Assessment – BIFMA PCR for Weighted Average Production of United States, United Kingdom, and China

Environmental Impacts were calculated using the GaBi software platform. Impact results according to the BIFMA PCR have been calculated using TRACI 2.1 characterization factors, as well as LCI indicators for primary energy and water usage. Results presented in this report are for 1 seat maintained for 1 individual for 10 years. Additionally, the results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins, or risks.

| LCIA Impact Category  | Unit                  | Total    | Raw Material Production | Product Production | Distribution and Retail | End of Life |
|---|-----------------------|----------|-------------------------|--------------------|-------------------------|-------------|
|  Acidification Potential                               | kg SO <sub>2</sub> eq | 2.94E-01 | 2.51E-01                | 3.77E-02           | 8.31E-04                | 4.20E-03    |
|  Eutrophication Potential                              | kg N eq               | 3.45E-02 | 3.08E-02                | 2.74E-03           | 9.94E-05                | 8.02E-04    |
|  Global Warming Potential                              | kg CO <sub>2</sub> eq | 1.04E+02 | 7.70E+01                | 2.11E+01           | 3.34E-01                | 5.55E+00    |
|  Photochemical Ozone Creation Potential (Smog)         | kg O <sub>3</sub> eq  | 5.21E+00 | 4.56E+00                | 5.67E-01           | 1.86E-02                | 6.38E-02    |
|  Ozone Depletion Potential                             | kg CFC-11 eq          | 2.64E-10 | 1.68E-10                | 9.57E-11           | 7.51E-17                | 2.75E-15    |
| LCI Impact Category   | Unit                  | Total    | Raw Material Production | Product Production | Distribution and Retail | End of Life |
|  Primary Energy Demand (Renewable and Non-Renewable) | MJ (net cal value)    | 2.05E+03 | 1.69E+03                | 3.43E+02           | 4.28E+00                | 1.78E+01    |
|  Fresh Water Consumption                             | kg                    | 5.30E+02 | 4.34E+02                | 8.51E+01           | 7.97E-01                | 1.07E+01    |

### Life Cycle Impacts of Verus Chairs



# Verus Chairs

## APPENDIX: EN 15804

In addition to the previous results, impact results according to EN 15804 have been calculated using CML characterization factors, as well as LCI indicators required. Results presented in this report are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins, or risks.

### Modeling Assumptions

In order to comply with EN 15804, several modeling assumptions had to be altered from the previous BIFMA PCR-based results, as outlined here. The life cycle modules are aggregated differently according to the table below and Module D is included to calculate the benefits from the end-of-life scenarios including recycling materials, landfill gas capture, and waste-to-energy.

Functional Unit

| Parameter                       | Value   |
|---------------------------------|---|
| Functional Unit                 | 1 seat for 1 individual maintained for a 10-year period |
| Number of Occupants             | 1   |
| Reference Service Life Required | 10 years  |

A4: Transport to the Building Site

| Parameter            | Value per functional unit |
|----------------------|---------------------------|
| Transportation Type  | Diesel Truck              |
| Fuel Consumption     | 0.075 kg                  |
| Distance             | 2253 km                   |
| Capacity Utilization | 61%                       |

A5: Installation in the Building

| Parameter                | Value per functional unit |
|--------------------------|---------------------------|
| Packaging Waste Produced | 5.03 kg                   |

Reference Service Life

| Parameter                     | Value per functional unit                         |
|-------------------------------|---|
| Reference Service Life        | 10 Years  |
| Design Application Parameters | Use as indicated in product brochure and warranty |
| Declared Product Properties   | Properties given in product description on page 4 |

End-of-Life

| Parameter                   | Value per functional unit |
|-----------------------------|---------------------------|
| Weight of Product Collected | 21.7 kg                   |
| Weight to Recycling         | 7.2 kg                    |
| Weight to Energy Recovery   | 2.9 kg                    |
| Weight to Landfill          | 11.6 kg                   |
| Distance to Recycling       | 50 km                     |
| Distance to Energy Recovery | 100 km                    |
| Distance to Landfill        | 50 km                     |

### Life Cycle Stages

The results are provided according to the following life cycle modules:

| Module | Description                              | Module | Description              | Module | Description            |
|--------|--|--------|--------------------------|--------|------------------------|
| A1     | Product Stage: Raw Material Supply       | B1     | Use Stage: Use           | C1     | EOL: Deconstruction    |
| A2     | Product Stage: Transport                 | B2     | Use Stage: Maintenance   | C2     | EOL: Transport         |
| A3     | Product Stage: Manufacturing             | B3     | Use Stage: Repair        | C3     | EOL: Waste Processing  |
| A4     | Construction Process Stage: Transport    | B4     | Use Stage: Replacement   | C4     | EOL: Disposal          |
| A5     | Construction Process Stage: Installation | B5     | Use Stage: Refurbishment | D      | Benefits beyond system |
|        |  | B6     | Operational Energy Use   |        |                        |
|        |  | B7     | Operational Water Use    |        |                        |

## LCA Results – Weighted Average Production of United States, United Kingdom, and China

### CML Results – 1 seat for 1 individual maintained for 10 Years

| Impact Category             | A1-A3    | A4        | A5       | B1       | B2       | B3       | B4       | B5       | B6       | B7       | C1       | C2        | C3       | C4       | D         |
|-----------------------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|-----------|
| ADP-elements [kg Sb eq]     | 3.48E-05 | 8.61E-08  | 1.45E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.54E-08  | 0.00E+00 | 5.96E-08 | -3.02E-06 |
| ADP-fossil fuel [MJ]        | 1.19E+03 | 3.30E+00  | 1.47E-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 | 3.35E+00  | 0.00E+00 | 1.13E+01 | -1.11E+02 |
| AP [kg SO <sub>2</sub> eq]  | 2.51E-01 | 5.80E-04  | 2.96E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.81E-04  | 0.00E+00 | 2.38E-03 | -2.89E-02 |
| EP [kg Phosphate eq]        | 4.10E-02 | 1.59E-04  | 1.75E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.58E-04  | 0.00E+00 | 1.59E-03 | -6.00E-03 |
| GWP [kg CO <sub>2</sub> eq] | 9.80E+01 | 2.79E-01  | 5.55E-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 | 2.83E-01  | 0.00E+00 | 5.27E+00 | -6.40E+00 |
| ODP [kg CFC 11 eq]          | 2.57E-10 | 4.76E-17  | 2.75E-17 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.79E-17  | 0.00E+00 | 2.70E-15 | -7.33E-13 |
| POCP [kg Ethene eq]         | 2.41E-02 | -1.97E-04 | 7.09E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | -1.95E-04 | 0.00E+00 | 2.02E-04 | -2.72E-03 |

ADP=Abiotic Depletion Potential; AP=Acidification Potential; EP=Eutrophication Potential; GWP=Global Warming Potential; ODP=Ozone Depletion Potential; POCP=Photochemical ozone creation potential

### Resource Use and Waste – 1 seat for 1 individual maintained for 10 Years

| Impact Category        | A1-A3    | A4       | A5       | B1       | B2       | B3       | B4       | B5       | B6       | B7       | C1       | C2       | C3       | C4       | D         |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| RPR <sub>E</sub> [MJ]  | 2.28E+02 | 1.60E-01 | 1.02E-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 | 1.58E-01 | 0.00E+00 | 8.59E-01 | -6.77E+01 |
| RPR <sub>M</sub> [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 | 0.00E+00 | 0.00E+00  |
| RPR <sub>T</sub> [MJ]  | 2.28E+02 | 1.60E-01 | 1.02E-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 | 1.58E-01 | 0.00E+00 | 8.59E-01 | -6.77E+01 |
| NRPR <sub>E</sub> [MJ] | 1.80E+03 | 3.94E+00 | 1.68E-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 | 3.99E+00 | 0.00E+00 | 1.28E+01 | -1.66E+02 |
| NRPR <sub>M</sub> [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 | 0.00E+00 | 0.00E+00  |
| NRPR <sub>T</sub> [MJ] | 1.80E+03 | 3.94E+00 | 1.68E-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 | 3.99E+00 | 0.00E+00 | 1.28E+01 | -1.66E+02 |
| SM [kg]                | 3.11E+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 | 0.00E+00 | 0.00E+00  |
| 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 | 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 | 0.00E+00 | 0.00E+00  |
| FW [m <sup>3</sup> ]   | 5.19E-01 | 6.90E-04 | 1.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.84E-04 | 0.00E+00 | 1.00E-02 | -4.01E-02 |
| HWD [kg]               | 1.78E-06 | 3.31E-10 | 2.38E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.37E-10 | 0.00E+00 | 2.04E-09 | -6.36E-08 |
| NHWD [kg]              | 2.55E+00 | 3.58E-04 | 1.23E-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 | 3.57E-04 | 0.00E+00 | 1.23E+01 | -4.18E-01 |
| RWD [kg]               | 3.40E-02 | 9.46E-06 | 1.74E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.40E-06 | 0.00E+00 | 1.65E-04 | -3.91E-03 |
| CRU [kg]               | 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 | 0.00E+00 | 0.00E+00  |
| MFR [kg]               | 1.51E+00 | 0.00E+00 | 7.14E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.14E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| MER [kg]               | 0.00E+00 | 0.00E+00 | 2.90E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.90E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| EE [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 | 0.00E+00 | 0.00E+00  |

RPR<sub>E</sub>=Renewable Primary Energy from Non-Materials; RPR<sub>M</sub> =Renewable Primary Energy from Materials; RPR<sub>T</sub> =Total Renewable Primary Energy; NRPR<sub>E</sub>=Non-Renewable Primary Energy from Non-Materials; NRPR<sub>M</sub> =Non-Renewable Primary Energy from Materials; NRPR<sub>T</sub> =Total Non-Renewable Primary Energy; SM=Use of Secondary Materials; RSF=Use of Renewable Secondary Fuels; NRSF=Use of Non-Renewable Secondary Fuels; FW=Net Use of Fresh Water; HWD=Hazardous Waste Disposed; NHWD=Non-Hazardous Waste Disposed; RWD=Radioactive Waste Disposed; CRU=Components for Reuse; MFR=Materials for Recycling; MER=Materials for Energy Recovery; EE=Exported Energy