Completion of this I19-1 Case Study Questionnaire is a documentation requirement for Core Imperative 19: Inspiration + Education under the Living Product Challenge 2.0. The Living Product Challenge Case Study is an opportunity to tell the product’s story, and the manufacturer’s, to the broader ILFI community. **Answers to this questionnaire, as well as the provided product photos, will be used for the publicly accessible case study on the International Living Future Institute website**. The Institute’s case study database is an education tool and an opportunity for the manufacturer to receive publicity and recognition for their success in achieving the Challenge.

While the documentation requirements and the case study questionnaire overlap, they do not require identical documents since the Assessor needs information the public does not. Information provided for Certification may be used as supplementary information to the case study. Where this is likely to occur, such as with narratives and photos, the relevant certification documents are noted in a footnote.

Keep in mind that text will be available to the public and is meant to educate and inspire. Narratives should be complete, succinct and clearly describe those attributes that would be of interest to other manufacturers, consumers or educators looking for examples of successes as well as potential hurdles. Photos provided as part of General Documentation, as well as those requested below, may be featured in the Case Study.

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| GENERAL INFORMATION: |
| Certification Goal (Full, Petal, Imperative):  |  |
| Version of Living Product Challenge:  |  |
| Imperatives targeted in this Audit: |  |
| Facility Location: |  |
| Product Name: |  |
| Product Type: *(Building product, electronics, consumer product, etc.)* |  |
| Manufacturer Name: |  |
| Manufacturer Point of Contact: |  |
| Manufacturer Website: |  |
| Product Website: |  |
| Assessors + Consultants |
| Assessor: |  |
| LCA Consultant: |  |
| Material Health Consultant: |  |
| Other Consultants: |  |

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| PRODUCT + MANUFACTURER summary  |
| 300-450 words addressing the following:* Manufacturer description
* Manufacturer vision for products and environmental business focus
* Impetus for taking on LPC
* Description of the product, why it was selected for LPC
* Process of engagement / Strategy for certification
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| TOP HURDLES TO CERTIFICATION | Description of Solution/Changes Implemented |
| 1.  |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |

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| PLACE PETAL |
| 150-300 word summary of the manufacturer’s approach to Place with respect to both the manufacture of the product, and also the operations of the manufacturing facility. How does the facility improve its surrounding ecosystem and redevelop ecosystem services? How are the materials used protecting ecosystem conditions at the point of extraction, or contributing to the strengthening of a local economy? |
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| I01 Responsible Place (CORE) |
| 150-300 words addressing the following[[1]](#footnote-1):* Manufacturer consideration of ‘place’ in facility design or functioning
* Description of site, including surrounding land use
* Site considerations regarding surrounding ecosystems or species
* Any landscape and site plan improvements planned or made in order to increasing emulate the indigenous and natural ecosystem
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| 150-300 words addressing the use of any exceptions and any other relevant site information: |
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| i02 Habitat Exchange |
| 150-300 words addressing the organization and program selection process, if relevant to manufacturer/product vision: |
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| 150-300 words addressing other methods used to meet the donation requirement, including volunteer projects and benefitting organizations, and product donations and benefitting recipients, if applicable: |
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| Name of Habitat Exchange Project: |  |
| Name of participating Land Trust: |  |
| Land Trust Website: |  |
| I03 LIVING ECONOMY SOURCING |
| Final percent of total budget sourced from each zone (list): |
| 1000 km radius |  |
| 2000 km radius |  |
| 5000 km radius |  |
| If any exceptions were used, describe compliance: |
|  |
| place petal lessons learned: |
|  |
| Innovations (if not addressed above): |  |
| Additional comments: |  |

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| water PETAL |
| 150-300 word summary of the manufacturer’s approach to Water with respect to both the manufacture of the product, and also the operations of the manufacturing facility. How did the facility change or adopt new processes to ensure more efficient use, processing and reuse of water? Which teams had to be involved to ensure the success of the effort? |
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| I04 water FOOTPRINT (Core) |
| 300-450 words addressing the following[[2]](#footnote-2):* Site water conditions (hydrology, climate)
* On-site water use, and whether the Product Share or Whole Facility pathway has been used
* Sources and fate of water used in the production process

If the product is not pursuing I05 Net Positive Water, also describe the potential for and barriers to becoming on-site Net Positive, and potential solutions:  |
|  |
| Water consumption per unit of measure: |  |
| On-site water annual use: |  |
| LCA Unit of Measure: |  |
| Life Cycle Analysis results for water: |  |
| Identify Water Hotspots:  | Describe, if appropriate: |
| 1.  |  |
| 2.  |  |
| 3.  |  |
| 4.  |  |
| 5.  |  |
| I05 Net POSITIVE WATER |
| 150-300 words describing how the product’s water footprint was calculated and reduced, how the manufacturer created a water handprint greater than the reduced footprint, and how the manufacturer will maintain net positivity through the 3-year certification period.[[3]](#footnote-3) |
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| If any exceptions were used, describe compliance: |
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| WATER PETAL LESSONS LEARNED |
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| Innovations (if not addressed above): |  |
| Additional comments: |  |

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| energy PETAL |
| 150-300 word summary of the manufacturer’s approach to Energy with respect to both the manufacture of the product, and also the operations of the manufacturing facility. How did the facility change or adopt new processes to reduce on-site energy consumption? What was the process of considering materials, processes and facility to create a viable plan to achieve energy efficiency and use reduction, as well as develop infrastructure to allow for on-site Net Positive achievement? |
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| i06 energy FOOTPRINT (COre) |
| 300-450 words addressing the following:* On-site energy use, energy producing systems, and whether the Product Share or Whole Facility pathway has been used
* Life Cycle Energy use description
* Approach to Imperative

If the product is not pursuing I07 Net Positive Energy, also describe the potential for and barriers to meeting the 105% of the Product Share or Whole Facility energy usage via on-site renewable resources (or ILFI-approved off-site infrastructure), and potential solutions. |
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| Energy consumption per unit of measure: |  |
| On-site energy annual use: |  |
| LCA Unit of Measure: |  |
| Life Cycle Analysis results for Energy: |  |
| Identify Energy Hotspots:  | Describe, if appropriate: |
| 1.  |  |
| 2.  |  |
| 3.  |  |
| 4. |  |
| 5. |  |
| i07 net positive energy |
| 150-300 words describing how the product’s energy Footprint was calculated and reduced, how the manufacturer created a energy Handprint greater than the reduced Footprint, and how the manufacturer will maintain Net Positivity through the 3-year certification period.[[4]](#footnote-4) |
|  |
| If the use of purchased RECs or other verified credits were used to meet the Imperative requirements, describe how the manufacturer has either retained the RECs associated with on-site renewable energy production, or if they must be sold, has purchased new RECs. Provide the number of RECs purchased, the cost of purchase, and a demonstration that this purchase contributes to covering a minimum of 105% of the on-site energy usage in the performance year.  |
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| exceptions Used, Lessons learned |
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| Innovations (if not addressed above): |  |
| Additional comments: |  |

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| HEALTH + HAPPINESS PETAL |
| 150-300 word summary of the manufacturer’s approach to Health + Happiness with respect to both the *manufacture* of the product, and also its *use*. How does the facility improve worker conditions encourage workers to interact with the outdoors? How is the product designed to be safe for human and environmental health? |
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| I08 Red list (core) |
| 150-300 word summary of product approach to transparency, achieving the 3PV Declare Label and other Imperative requirements: |
|  |
| Declare ID: |  |
| **I09 TRANSPARENT MATERIAL HEALTH** |
| 150-300 word summary of manufacturing and product approach to meeting Imperative requirements: |
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| I10 Human thriving |
| 150-300 word summary describing how the product is designed to transform people’s relationship to the natural world, and how the manufacturing facility encourages employees to interact with nature.  |
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| EXCEPTIONS USED, HEALTH + HAPPINESS PETAL LESSONS LEARNED: |
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| MATERIALS PETAL |
| 150-300 word summary of Product Team’s approach to achieving the Materials Petal Imperatives, including special considerations for the product. Were the product or its packaging rethought to comply with the requirements of Materials Petal Imperatives? Were required to meet Net Positive Waste requirements for waste diversion? |
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| I11 Responsible industry (core) |
| 150-300 word summary of the manufacturer’s approach to and implementation of Imperative requirements. In particular, describe any special considerations that were required to meet the FSC sourcing requirements for the product and the packaging. |
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| Sources for wood: (*check all that apply*)⬜ Forest Stewardship Council (FSC) Certified wood⬜ Salvaged wood⬜ Wood harvested onsite |
| If any exceptions were used, describe compliance: |
|  |
| I12 REGENERATIVE MATERIALS |
| 50-100 word summary of the team’s approach to and implementation of Imperative requirements.  |
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| I13 Net Positive Waste |
| 150-300 word summary of approach to materials conservation management, or to completing a zero waste to landfill certification.  |
|  |
| List final percentages diverted from landfill: |  |
| Metals: |  |
| Paper & Cardboard |  |
| Soil & biomass |  |
| All others – combined weighted average |  |
| Describe the development and implementation of Waste Handprints to reach the equivalent of 100% waste diversion, if applicable: |
|  |
| If Exception I13-E1 Process Efficiency was used, describe the rationale and compliance: |
|  |
| I14 Net Positive CARBOn |
| 300-450 words addressing the following:* On-site contribution to carbon emissions
* Life Cycle carbon emission impacts:
* Approach to meeting Imperative:

If carbon offsets were purchased to meet the Imperative requirements, demonstrate their certified or verified status. Describe any connection to local communities or the local region, and any resulting additional socioeconomic benefits. |
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| Name of Carbon Offset project: |  |
| Location of Carbon Offset project: |  |
| Carbon Offset provider website: |  |
| Name of Carbon Offset provider: |  |
| Energy consumption per unit of measure: |  |
| On-site annual climate impact: |  |
| LCA Unit of Measure: |  |
| Life Cycle Analysis results for Climate: |  |
| Identify Climate Hotspots:  | Describe, if appropriate: |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |
| Materials Petal Lessons LEARNED |
| Regulatory appeals, brief summary of logic:  |
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| Innovations (products, patents, details, research or regulatory advances), if not addressed above.  |
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| EQUITY PETAL |
| 150-300 word summary of Product Team’s approach to achieving the Equity Petal Imperatives, including special considerations for the product. What new insights were generated by completing the Ethical Supply Chain Core Imperative? What organizational changes were effected or realized by pursuing and receiving the JUST label? Elaborate on the process of identifying what social co-benefits are important to the manufacturer and/or the local community of the final manufacturing facility. |
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| I-15 ETHICAL SUPPLY CHAIN (CORE) |
| 50-100 word summary of the team’s approach to Imperative requirements.  |
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| List the **country and GTAP sector, and their associated critical social risks,** of the top 10 suppliers of goods and services to the facility, or to the business unit containing the facility, or to the business unit containing the facility, based on total annual spend. |
| Country | GTAP Sector | Critical Social Risks |
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| I-16 Equitable Investment |
| 150-300 word description of the charity selection and the intended impacts of this donation (or work): |
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| Name of charitable organization receiving equity investment:  |  |
| 150-300 words addressing other methods used to meet the donation requirement, including volunteer projects and benefitting organizations, and product donations and benefitting recipients, if applicable: |
|  |
| 1-17 Just Organizations |
| 150-300 word description describing the process of achieving the JUST label, if applicable: |
|  |
| **I-18 SOCIAL CO-BENEFITS** |
| 150-300 words addressing how the Handprinting actions taken to offset at least 75% of the product’s Footprint in at least one impact area (water, energy or carbon) result in clear social co-benefits, and describing those benefits in detail, including any measurements of impact. Include statements and testimonials from the Handprinting Partner as supports the narrative.[[5]](#footnote-5) |
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| **EQUITY PETAL LESSONS LEARNED** |
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| BEAUTY PETAL |
| 150-300 word summary of Product Team’s approach to achieving the Beauty Petal Imperatives, including special considerations for the product. Did any customer feedback affect the fulfillment of the Imperative requirements? |
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| I19 INSPIRATION + EDUCATION (CORE) |
| LPC Page URL:  |  |
| I20 Beauty + SPIRIT |
| 300-450 word description of how the product is designed for human delight, is artfully designed and pleasing to use, and meets the intent of the Imperative. Include observations from customer surveys and focus groups as supports the narrative.[[6]](#footnote-6) |
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| **BEAUTY PETAL LESSONS LEARNED:** |
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| Innovations (details, techniques, strategies or research), if not addressed above.  |
|  |
| SUMMARY OF PROCESS AND BENEFIT OF PURSUING LIVING PRODUCT CHALLENGE: |
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1. Documentation I01-3 Landscape Plan typically used as supplemental information. [↑](#footnote-ref-1)
2. Documentation I04-1 Site Water Narrative typically used as supplemental information. [↑](#footnote-ref-2)
3. Documentation I05-3 Water Handprint Narrative typically used as supplemental information. [↑](#footnote-ref-3)
4. Documentation I07-4 Energy Handprint Narrative typically used as supplemental information. [↑](#footnote-ref-4)
5. Documentation I18-1 Social Co-Benefits Narrative typically used as supplemental information. [↑](#footnote-ref-5)
6. Documentation I20-1 Beauty Narrative typically used as supplemental information. [↑](#footnote-ref-6)