Exportable Data Inventory

The tables below list all **user-provided or raw data categories** in Spacewell Energy and how they can be exported. Each table corresponds to a different export method (API, Manual UI Excel export, Bulk account export), and for each data category, a description is provided. A fourth table lists **derived or processed data categories** (available via API/UI) that are **not** required to be exported under the EU Data Act (out of scope for mandatory compliance).

Data Categories Available via API

Data Category	Description
Location Information	Hierarchy of sites/locations configured by the user, including each location's name, type (e.g. building, zone), address and coordinates. This can be retrieved via API (e.g. GET `/locations`).
Device Information	Inventory of all devices (meters & sensors) added by the user, with details such as device name, type (electric, gas, water meter, temperature sensor, etc.), unique device key, assigned location, and associated gateway. Accessible via API (e.g. GET `/devices` or via location details).
Reference Device Config	Configuration of "reference" devices for each location – e.g. which device is the main meter, HVAC meter, temperature reference, etc.. This mapping of devices to roles can be obtained via API (e.g. as part of location details).
Utility Supply Details	Records of utility supply points (e.g. electricity/gas POD identifiers, CUPS codes) and their metadata. Supplies link a location's devices to a supply contract. This data (supply IDs, etc.) is obtainable via API.

Contract Details (Electricity, Gas, Water, Thermal, Exported Energy)	Energy tariff contract information configured by the user for each supply. Includes contract name, validity period, associated price/tariff, contracted power, etc.. The platform distinguishes contract types per energy source (electricity, gas, water, thermal, exported). Contract data can be retrieved via API (e.g. through supply endpoints).
Energy Meter Readings	Raw time-series readings from energy meters (e.g. electricity, gas, water). This includes consumption/generation values (kWh, m³, etc.) typically at 5, 15, 30 min or hourly intervals. These readings are collected in the platform (millions daily) and are accessible via the API (e.g. GET `/readings` for a device).
Sensor Readings	Raw readings from environmental and IoT sensors, such as temperature, humidity, occupancy, etc. (any sensor data the user integrates). For example, temperature sensors provide values used for degree days and analysis. These time-series measurements can be queried via API similar to meter readings.

Data Categories Available via Manual Excel Export (UI)

Data Category	Description
Energy Consumption Data	Historical energy usage data from meters (electricity, gas, water, etc.), which can be manually exported by the user through the platform's UI. For example, users can generate a report or use the analysis screen to export raw consumption values to Excel/CSV. The export will contain timestamped consumption entries (e.g. kWh by interval) for selected devices or locations.

Environmental Sensor Data	Historical readings from sensors (e.g. temperature, humidity, CO_2 levels) exportable via the UI. Users can include raw sensor time-series data in custom Excel/CSV reports similarly to consumption data. This provides the actual measured values over time for any integrated sensors.
Device Configuration (limited UI export)	Basic lists of configured locations or devices can be viewed in the UI and copied if needed. (The platform's interface shows location and device tables, but a direct Excel export is primarily via the Bulk or API methods. Small datasets could be manually copied.) For full inventory export, see Bulk method.
User-Entered Meter Readings	If the user manually enters meter readings via the UI (using the Manual Data app), those entries become part of the consumption data and can be exported as part of the raw data reports. This ensures even manually input data points are retrievable in Excel/CSV form.

Data Categories Available via Bulk Account Setup Export

(Exported as an Excel workbook with multiple sheets – a snapshot of the account configuration):

Data Category	Description
Locations	Complete list of all account locations and sub-locations in hierarchy. Each entry includes the location's unique key, name, type and attributes such as address, city, country, tags, surface area, and degree-day settings. This provides the portfolio structure with all site details.

Devices	Inventory of all devices in the account. Each device entry includes its unique device key, name/description, device type (e.g. electricity meter, gas meter, temperature sensor), the gateway through which it connects (by gateway key), the location it is assigned to (location key), and other metadata. This sheet effectively lists every meter and sensor configured, along with how they connect to the system.
Reference Devices	List of all devices designated as “reference” for their location. For each location and energy/source type, it shows which device (or virtual device/group) is set as the reference meter (e.g. main electrical meter, main gas meter, reference temperature sensor, etc.) and the device type. This helps identify key devices per site used for aggregated analysis.
Supplies	All utility supply points configured in the account. Each supply has details like a unique supply key (e.g. POD or CUPS number for the connection), the energy type, country/region, and any other identifiers or notes. Supplies represent the link between a building and the utility network, and are later linked to devices and contracts.
Contracts – Electricity	Details of all electricity supply contracts in the account. Each contract entry includes the associated Supply, the tariff Price plan applied, contract validity dates, contracted power levels, reactive power penalties and other contractual terms. (One supply may have multiple sequential contracts, e.g. if renewed or changed over time.)
Contracts – Gas	Gas supply contracts and their configured details (analogous to electricity contracts, but for gas supplies). Includes tariff/price info, contract periods, etc., specific to gas utilities.
Contracts – Water	Water supply contract details for any water utilities in the account. Structured similarly with relevant tariff parameters and periods for water consumption billing.

Contracts – Thermal	Thermal energy (heating/cooling) contract details. Covers contracts for district heating, cooling, or other thermal energy supplies configured in the platform, including tariff structures and terms.
Contracts – Exported	Exported energy contract details. These are contracts for energy that the site exports (for example, electricity sold back to the grid from on-site generation). It includes feed-in tariff or credit structures defined by the user for exported energy.
Designations	*(Lookup definitions sheet)* A reference sheet listing valid values, codes and naming conventions used in the above sheets. For example, it defines the allowed types, units or categories (e.g. location types, device types, parameter keys, etc.) to ensure consistency. This helps interpret the fields in the other sheets but does not contain additional user data entries.

Note: The Bulk export is a **configuration snapshot** – it does **not** include historical meter/sensor readings. It is used for quickly exporting or cloning the account setup. Personal data is minimal in these sheets; mainly location addresses could be personal if they reference individual residences. User accounts are **not** included in this export (user data can be obtained separately via support or the API as needed).

Processed/Derived Data Categories (Out of Scope for Mandatory Export)

The following data categories are **calculated or derived by the platform** (not raw user-provided data). They may be available to the user via API or UI, but **are not required to be ported under the EU Data Act's scope**. These include analytical results and insights that Spacewell Energy generates from the raw data:

Processed Data Category	Description	Export Availability

Cost Estimates (Energy Costs)	Calculated energy cost data based on consumption and the configured tariffs/prices. The platform computes cost breakdowns for devices and sites (applying Time-of-Use rates, taxes, etc.). For example, it can return the electricity cost for a device via API. *This cost data is derived from raw readings + price info.*	Available via API and in UI reports (CSV/Excel or PDF). Not mandatory to export (derived, not original user data).
M&V Savings (Measurement & Verification)	Results from M&V projects that quantify energy savings against a modeled baseline. The platform creates a baseline of expected consumption and calculates avoided energy/cost (savings) in real-time. These figures (e.g. percentage savings, baseline vs actual charts) are computed by Spacewell's algorithms.	Available in the UI (M&V analysis reports) and possibly via API. Not mandatory (this is an analysis outcome).
Carbon Emissions Calculations	Estimated carbon footprint data calculated from energy usage using emission factors. For instance, the **Carbon Emissions App** computes CO_2 and other GHG emissions from the consumption data. The results (kg of CO_2, etc.) can be viewed in the app and exported to Excel. This data is derived by applying conversion factors to raw energy data.	Available in UI (app screen export). Not required for Data Act export (derived metric).
Aggregated/Virtual Measurements	Any **virtual devices or calculated data streams** that the user configures (e.g. a virtual meter summing several meters, or a ratio KPI). The platform processes raw inputs to generate these new data series. While the user-defined formula is input, the resulting data (combined consumption, efficiency metrics, etc.) is system-generated.	Available via API/UI similar to real device data. Not mandatory to export (since it's a transform of user's underlying raw data).

Anomaly Detection Alerts	AI-generated alerts about abnormal energy usage or inefficiencies. Spacewell Energy's anomaly detection (Optimise) feature analyzes patterns and flags anomalies. The notifications or list of detected inefficiencies are produced by the platform's algorithms, not directly provided by the user.	Available in UI (dashboards/alerts) and potentially via API. Not required to export under Data Act (this is an AI-driven insight).

Note: These processed results are **for the user's information** and many are accessible via the platform's API or interfaces, but they are *excluded* from the Data Act's definition of exportable "Data" (which focuses on the **raw data provided by or generated through the user's use of the service**). Spacewell will make these available as needed (e.g. via its API or reports), but they are outside the mandatory scope for data portability compliance.