

H&M Group + **worldly**TM

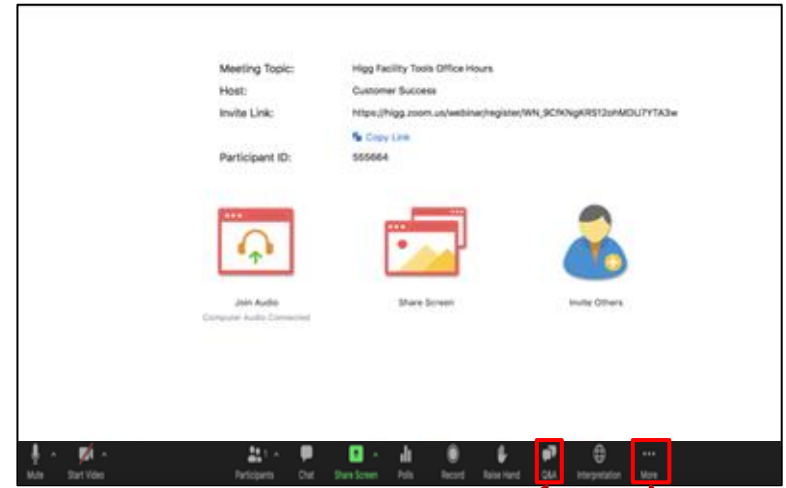
Facility Data Manager (FDM) Programme

Validator Training Webinar
February 2026

Logistics

The webinar is being **recorded**. Both the recording and this deck will be shared with all registrants after today's session.

Submit any **questions** through the Q&A box [please do not use the chat].



Q&A

Captions

Agenda

1. Introduction & FDM Overview	5 minutes
2. H&M's FDM Programme	5 minutes
3. FDM Data Submission	15 minutes
4. FDM Validation Process	15 minutes
5. From STEP to FDM..	10 minutes
6. Resources & Next Steps	5 minutes
7. Q&A	

Welcome

Introductory message

[Click here to play multimedia!](#)

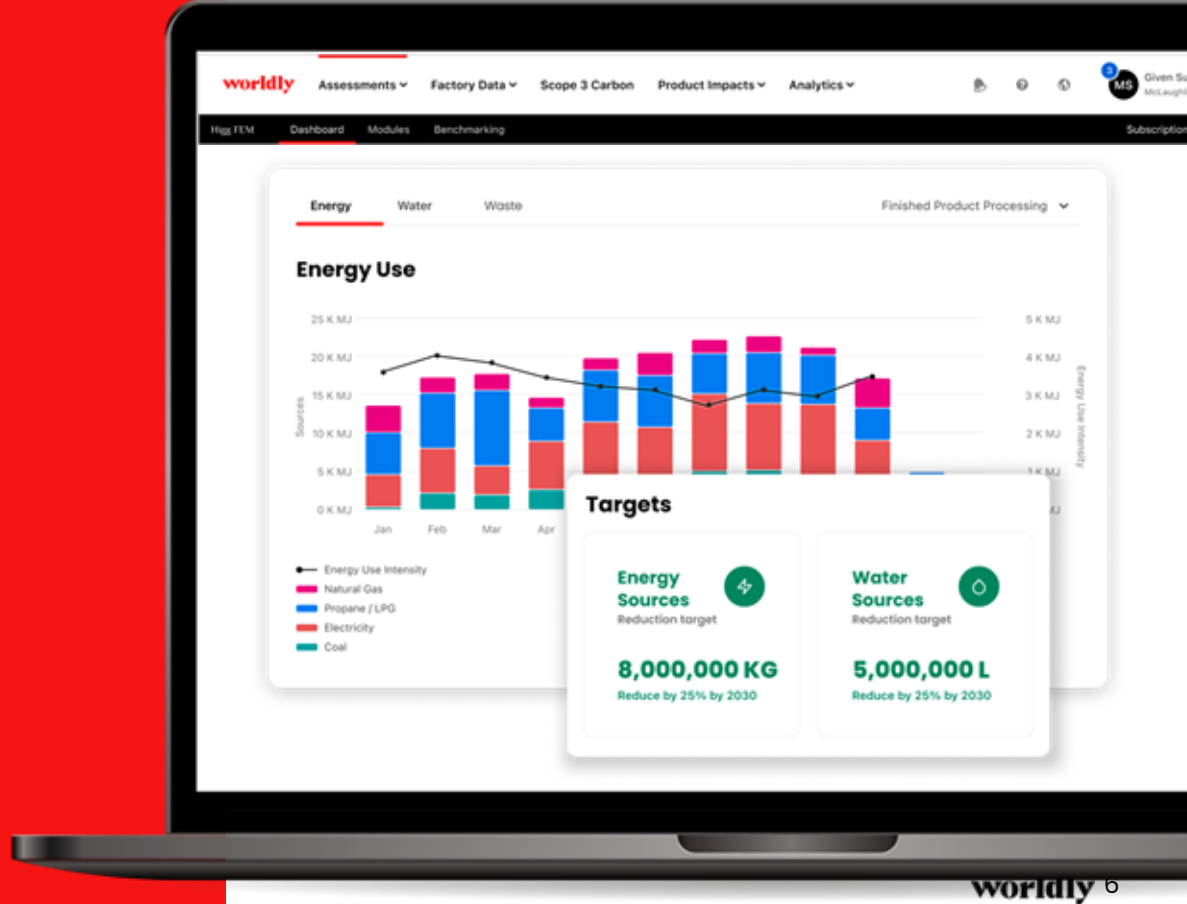
Introducing FDM

Collect and share quantitative primary data

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Worldly's Facility Data Manager

Access to timely environmental
data from facilities as often as
monthly aligned with industry
standards



Introducing FDM

What does FDM cover?

FDM captures monthly data at the **facility level**:

- Production volume
- Energy use and energy sources
- Water, Waste, Air Emissions data (not in scope for H&M)

This data forms the foundation for:

- Scope 3 accounting
- Decarbonisation planning
- Supplier engagement over time

Data mirrors quantitative Higg FEM data structure



H&M's FDM Programme Scope

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Data Scope

Facilities are required to report and validate **monthly data** for calendar year 2026 **only** to the following sections:

- Site Information
- Production volume
- Energy

Q1 2026 facility submission deadlines:



January 2026 | **25th** Feb



February 2026 | **25th** Mar



March 2026 | **15th** April



Q1 Validations: **12th** May
(2 week validation window!!)

H&M's preliminary parallel run will include only December 2025 and January 2026 data to be validated within the window of **February 09th – 20th, 2026**

FDM Data Submission

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Site Information

Pre-populate via import

- From FEM 2023 or more recent
- Covers most of this section
- Review & edit as needed
- Reduce duplicate entry
- Roll forward monthly

Selections here, shape the sections to follow:

All relevant facility types

- Production volume
- Energy consumption

Energy use tracking

- Domestic v Production use
- Owned & controlled vehicles
- Metres (Purchased Electricity)

Integrated energy sources

- Component sources
- Relative mix
- (Purchased steam, EACs..)

Production Volume

Facilities are expected to report production volume **output** during the reporting period.



[Click here to play multimedia!](#)

1. By facility type

For each facility type selected, you must enter total production volume in the reporting period.

[Click here to play multimedia!](#)

2. By facility process

Select only the applicable process(es) your facility does and report the volumes **produced** by each process in that month



[Click here to play multimedia!](#)

3. To brands

Allocate the applicable production volume to each brand partner. Brands will only see the volume attributed to them and the relative % of total.

Production Volume

Process:

Question FDM is asking:

What processes are taking place and at what scale?

- **Processes may include:**
 - Knitting
 - Weaving (light / heavy / denim)
 - Placement printing
 - Spinning

The screenshot displays the 'worldly' FDM Data Submission interface. The top navigation bar includes 'Assessments', 'Factory Data', 'Scope 3 Carbon', 'Product Impacts', and 'Analytics'. The main section is titled 'Facility Production by Process'. It features a search bar with the placeholder 'Select all that apply' and a magnifying glass icon. Below the search bar are six checkboxes for different processes: Knitting, Weaving (heavy), Placement print (piece print), Weaving (light), Weaving (denim), and Spinning. To the right of these checkboxes is a table titled 'What was your facility's volume for th'. The table has columns for 'Reporting Period', 'Quantity', and 'Unit (Pri Ber)'. It lists 'Knitting' with a quantity of '1000' and 'Weaving (heavy)' with a quantity of '100000'. The 'worldly' logo is visible in the bottom right corner.

	Reporting Period	Quantity	Unit (Pri Ber)
Knitting		1000	kg
Weaving (heavy)		100000	me

Production Volume Allocation

when reporting Production Volume, be attentive to:

Select

- Facility **type**
- Facility **processes**

That are correct, relevant
and applicable to your
operation



Report

- Production volume for each facility type
- Production volume for each facility process



Avoid

- Duplicate inputs across facility types or processes that *share common units*
- Incorrect conversion of primary units when opting to report secondary units



Energy

UOMs remain the same in FDM for these energy sources and **require no change** in monthly reporting

Source	Units of Measure (UOMs)	
	STEP	FDM
 Purchased electricity - total	kWh	kWh ++
 Purchased renewables	kWh	kWh ++
 Solar photovoltaic (onsite)	kWh	kWh ++
 Solar thermal (onsite)	kWh	kWh ++
 Wind (onsite)	kWh	kWh ++
 Biodiesel	MJ, Litres	kWh, MJ, Litres ++
 Coal (commercial mix)	MJ, tonnes	MJ, tonnes, ++
 Natural Gas	MJ, m3	MJ, m3, ++
 Propane	MJ, m3	MJ, m3, ++
 Diesel	MJ	MJ, ++
 Petrol/Gasoline	MJ, Litres	MJ, Litres, ++
 Fuel Oil	MJ, Litres	MJ, Litres, ++
 Fabric Waste	MJ, kg	MJ, kg, ++

Energy

Purchased steam

- energy sources & relative mix
- temperature
- pressure

Biomass

- Sustainably certified
- Non-sustainably certified

LPG (reporting units)

- Facility use: kg
- Vehicular use: Litres

Purchased renewables

- energy sources & relative mix
- GHG emissions factors (if known)

On FDM, suppliers can now report energy source consumption, separating



Energy used for Domestic vs Production purposes



Energy powering owned & controlled vehicles



Purchased Electricity by Metres (up to 30)

RECs, EACs and Carbon Offsets

Both STEP and FDM ask:

- How much MWh has your facility **purchased and plan to retire** in the reporting **year**?
- Does your facility have a PPA (Purchase Power Agreement)

On FDM monthly submission facilities should report the total value of RECs purchased for the year up to that reporting month, which they plan to retire in that year..

Additionally, FDM asks for

- Energy sources and relative mix of EACs
- Upload of supporting PPA documentation
- Carbon offsets purchased **and** retired in the reporting **period** (in MT CO₂e)

Energy

additional energy sources:

⚙️ Biogas

⚙️ Coal water slurry

🗄️ Compressed Natural Gas (CNG)

🔑 Purchased (district) heating

🔧 Liquefied Natural Gas (LNG)

❄️ Purchased chilled water

⚙️ Mini or micro hydro

FDM Validation Process

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FEM verification vs FDM validation

Both assess the accuracy of data entered,
although...

Verification

Is typically a governed
process

Is subject to accreditation-
like standards created by
verification programme
manager/standards owner

Validation

Is not governed by 3rd party
programme/standards
owner

Is subject to individual
agreements between brand
and assurance provider

Offers flexibility on
programme design

Inaccurate data is corrected on Worldly, ensuring validated data accurately represents the facility site.

Who can perform validation?

- To maintain consistency in the transition, 2026 quarterly validation for H&M facilities will be conducted by **BluWin** <https://www.bluwin.net/>
- Only approved FEM Verifying Bodies can apply to become FDM Validators.
- Both onsite and remote desktop validation are acceptable options.

It is recommended to coordinate **at least one** onsite validation per year



Multiple touchpoints for validated data

On-site Audit

- Evaluates the reliability of the site's environmental data management, collection and reporting system.
- May be scheduled at same time as FEM verification.
- Conducted on an annual basis but also appropriate for 1st month FDM submission

Remote Desktop Review

- Validator remotely reviews uploaded data with facility documentation
- Scheduled according to client's needs.
- Can be leveraged to complement onsite validation
- Continually confirm the most recently entered data into the Worldly platform.

Data Entry & Validation cycle

monthly data entry, quarterly validation

Q1									Q2						
Jan		Feb			Mar				Apr				May		
30 th	6 th	13 th	20 th	25 th	6 th	13 th	20 th	25 th	10 th	17 th	24 th	30 th	8 th	15 th	25 th
				Data Entry complete (Jan)				Data Entry complete (Feb)			Data Entry complete (Mar)	Validate Q1 Data		accept validation	Data Entry complete (Apr)



Data entry complete by **25th** of each following month.



2-week validation window

On-site audit

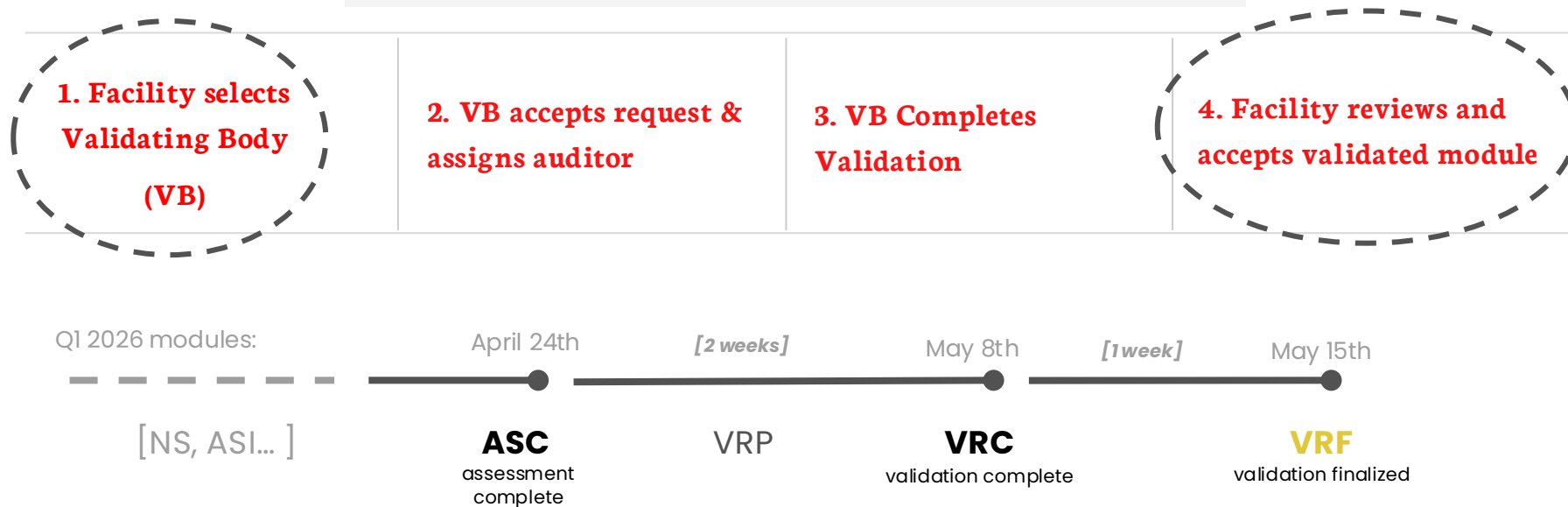


Suppliers **must review and accept** validated data.

This 'posts' the validated data making it visible to brands with which the module is shared.

Validation workflow

Follows completion of the monthly assessment module



Validation workflow



[Click here to play multimedia!](#)

Validation workflow

The screenshot displays the 'Facility Data Manager' interface. At the top, there's a navigation bar with 'Facility Data Manager' and 'Modules'. Below it, a breadcrumb trail shows 'Factory Data v2 Facility' > 'Dashboard' > 'Aug 2024 1' > 'Overview' (highlighted) > 'Assessment' > 'Validation Report' > 'Allocation'. The main content area is divided into three columns. The left column, titled 'Actions', contains links for 'View', 'Change Auditors', 'Begin Validation', and a 'Download' section with 'Data Downloads' and 'JSON'. The middle column, titled 'Assessment', shows 'Assessment Completed (ASC)' with ID '...fc7c039a8aa', 'Self Progress' at '100% - Posted' with a full progress bar, 'Validation Progress' at '0% - Not posted', 'Validation Body' as 'Verifying Body: Factory Data' with status 'Accepted', and 'Contact' as 'kenneth.gleason+verifier-factory-data@higg.com' and 'sasha.lic@worldly.io'. The right column, titled 'Account', lists details for 'Factory Data v2 Facility' including Name, Address (1591 Stillwell Rd, San Francisco, CA 94129, USA), Country (United States), Contact (kenneth.gleason@higg.com), OS ID, Worldly (Higg) ID (208489), Bluesign ID, and ZDHC ID. An 'Activity History' link is at the bottom of this column. A 'Tip' box at the bottom of the 'Assessment' section advises submitting utility data and including production volume for context. The 'worldly' logo is in the bottom left corner.

[Click here to play multimedia!](#)

From STEP to FDM...

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Key adjustments on FDM

- Site information:
 - Domestic vs production use
 - Owned & controlled vehicles
 - Metres (optional)
- Production volume allocation
 - by facility type
 - by process

- Energy sources:
 - LPG reporting units
 - biomass categorization
 - purchased steam
 - sources & relative mix
 - temperature
 - pressure
 - EACs and RECs
 - purchased & retired YTD
 - energy source(s) and mix
 - other EACs (additional to RECs)
 - GHG emissions & carbon offsets
 - offsets purchased & retired
 - emissions factors (*if known*)
-
- Validation workflow
 - assign BluWin to start
 - review & accept validated data to close

Resources

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Resources and Support

- [H&M FDM Programme Guidelines Landing Page](#)
- Sign up to the [Worldly Academy](#) (no cost) and complete the [How to Conduct FDM Validation: For Brands, Facilities & Validators](#) e-learning course at your pace
- Quick guide STEP to FDM
- Question by question facility checklist
(mirrors in-platform tool tips)
- Live Q&A sessions upcoming
- Submit a [support ticket](#) at any time during or after data submission and the validation process
(reference slides in appendix for priority support flow)

Next Steps..

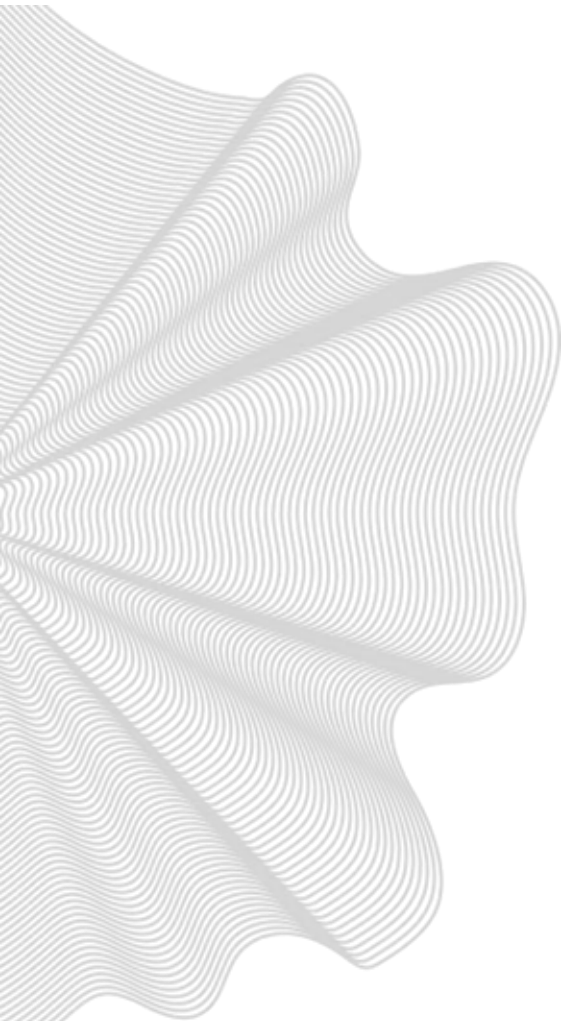
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Actions Checklist

- ✔ Confirm your access to Worldly and 12-month FDM subscription
- ✔ Complete training
 - e-learning course How to Conduct FDM Validation: For Brands, Facilities & Validators
 - Review guidance and support resources
- ✔ Attend live Q&A in early March *(if needed)*
- ✔ Look out for incoming modules:
 - January 2026 data by 25th February
 - February data by 25th March
 - March data by 24th April; start Q1 validation
- ✔ Whitelist the domain “..worldly.io” to ensure you don’t miss programme communications & updates

Q&A

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Thank you

APPENDIX

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Support Escalation Process

- **Step 1:** go to <https://support.worldly.io>
- **Step 2:** select Higg Index Tools form

Submit a request

Please select your issue below. Live Chat support available from 12AM - 09AM UTC time Monday - Saturday!

Worldly Collaboration Suite "New"
Insights Hub
Account Support (Registration/Access/info Update)
Payment Support (Invoice/Subscriptions/Refund/MSI&PM Units)
Higg Index Tools (FDM/FEM/PSLM/BRM/MSI/PM)

- **Step 3:** fill in the form and click Submit

To ensure you receive expedited support, please put H&M in the Brand Partner field

Submit a request

Please select your issue below. Live Chat support available from 12AM - 09AM UTC time Monday - Saturday!

Higg Index Tools (FDM/FEM/PSLM/BRM/MSI/PM)

Your email address

testfacility@worldly.io

Your Name

Test Facility

Preferred Support Language

English

Supported languages: English, Chinese, Portuguese, Spanish

Your Organization/Worldly Account Name

Test Facility

Please include your organization name OR App/Worldly account name

Existing Worldly (Higg) ID (e.g. 123456) (optional)

123456

If you are unsure, leave blank

Brand Partner

H&M

Which module are you inquiring about?

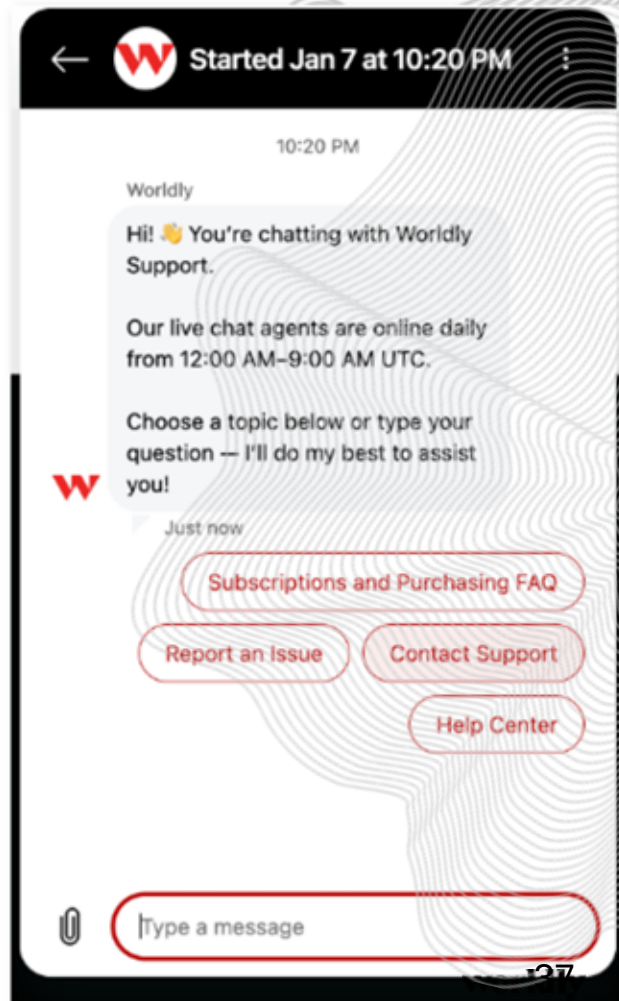
Factory Data Manager (FDM)

If you work on multiple modules at the same time, please create multiple tickets

Chat Support Escalation

- **Step 1:** log in your account at <https://app.worldly.io>
- **Step 2:** click on the “?” icon at the top right screen and select Chat Support
- **Step 3:** Click on “Contact Support” and connect to a Live Chat Agent (Note: our team only serves from 12:00 AM to 9:00 AM UTC)

To ensure you receive expedited support, please notify the chat agent that you are associated with H&M.



In-Session Q&A's

- Where can we find more information on
 - the validator fee?
 - how to set up a validator account on Worldly?

All questions and concerns related to validation process administration should be directed to vbsubscriptions@worldly.io

- Are the facility types on FDM same as on FEM

Yes, all six facility types identified on FEM are included on FDM

- What should facilities report as production volume?

As on FEM, facilities should report total amount of product shipped/sold in the reporting period.

- What if a facility does not know the emissions factors associated with its energy sources?

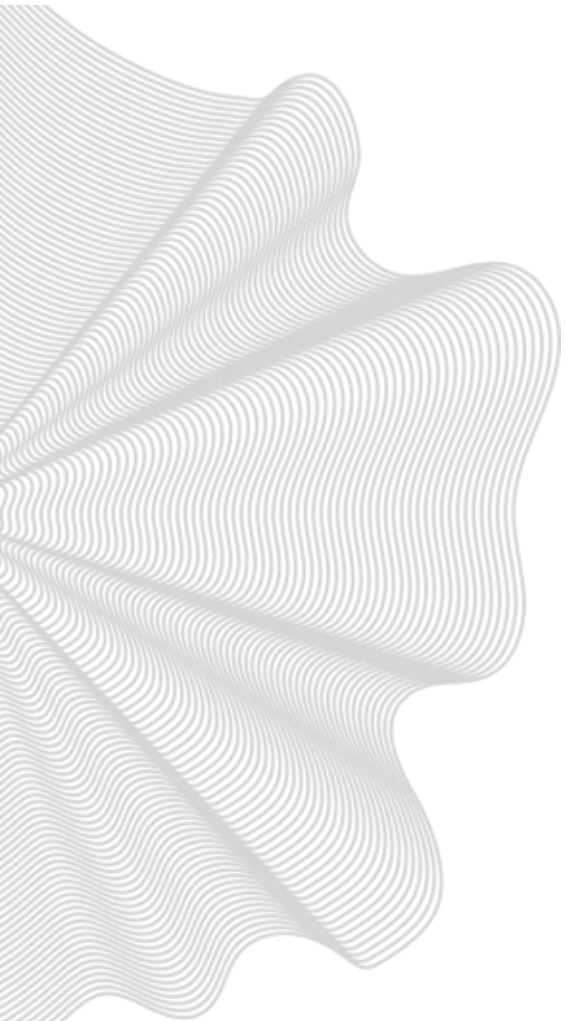
On the FDM, GHG emissions calculations apply system default emissions factors . If a facility does not know the emissions factors of its energy sources it can respond 'no' which will stop any additional questions.

- Do RECs need to have been purchased within a specific time window to be reported on FDM?

FDM does not currently impose a restriction, but for H&M data collection purposes it is recommended that certifications are purchased within 21 months (6 before + 3 after the current year) to be reported.

- Will FEM data roll into FDM?

As aligned with FEM, facilities should report the total amount of product shipped/sold in the reporting period.



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Thank you