



Microsoft Cloud for Sustainability **in a Day**

Lab 01: Organization Setup

Step-by-Step Lab

30 minutes

September 2022

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Overview

Background

In this lab for Microsoft Cloud for Sustainability you will build on top of demo data to configure the “Set up organization and reference data” scenario. Contoso Corp (*organization present in the demo data*) is an specialty Coffee distribution business with operations in APAC, US, Africa, and Europe.

Contoso Corp is experiencing Supply chain challenges to transport its finished goods across the USA and wants to augment its transportation and logistics capacities. To meet this challenge, Contoso Corp acquires a transportation business called Wide World Importers based in Florida, USA. Wide World Importers has two office facilities with 100 employees that coordinate a fleet of 50 electric trucks that will be used for transportation of finished goods across the USA.

Learning Objectives

In this lab, you will perform the following:

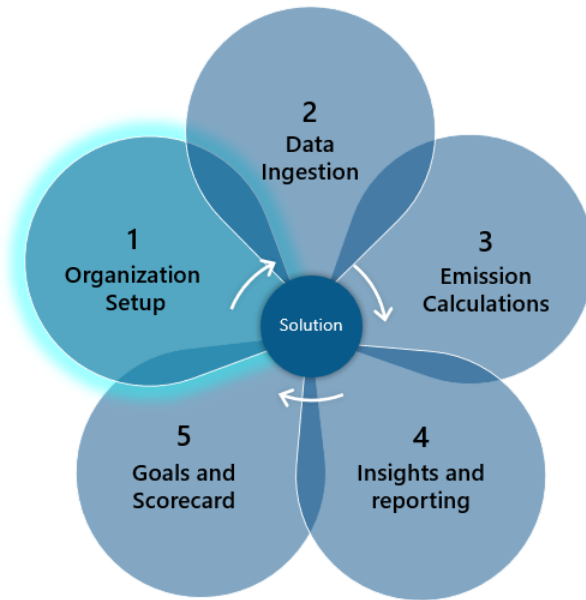
- Review the company profile for Contoso Corp, add Wide World Importers to the organizational structure, and add the two Florida facilities
- Create reference data for contractual types
- Create units with conversion factor
- The newly created data during this lab exercise will form the foundation for the rest of the scenarios (data ingestion, calculations, and reporting) in the upcoming lab exercises.

Prerequisites

- Microsoft Sustainability manager environment is set up with sample data

Solution Focus Area

Organization setup focuses on the foundational steps required to configure the Microsoft Sustainability Manager application. These foundational steps will create the company profile, set up organizational structure and hierarchy, and corresponding facilities. After this, reference data will be set up that includes important information such as fuel types, vehicle types, contractual instrument types, and units. Some of this reference data is unique to an organization, and some will come from standard or industry sources.



Personas and Scenarios

In this lab, Jessie Irwin – Sustainability lead for Contoso Corp educates the newly hired Amber Rodriguez - Sustainability Specialist for Wide World Importers on the tools and processes used for Contoso’s Sustainability reporting. Jessie guides Amber to build an inventory management plan by listing out the operating boundaries, facilities, and emission sources. Jessie and Amber demonstrate “Microsoft Sustainability Manager” and share the inventory plan with Alex Serra – Emissions Analyst and Reed Flores – IT Admin. Together, Alex and Reed set up the Company Profile, Organization data and Reference data based on the data provided by Amber in the Inventory plan.



Sustainability Lead

"I provide the requested data from my department to our sustainability team partners"

Jessie Irwin
Contoso Corp



Sustainability Specialist

"I am responsible for all emissions reporting tasks at my company"

Amber Rodriguez
Contoso Corp



Emissions Analyst

"I analyze emissions data & send results of analyses to other stakeholders"

Alex Serra
Wide World Importers



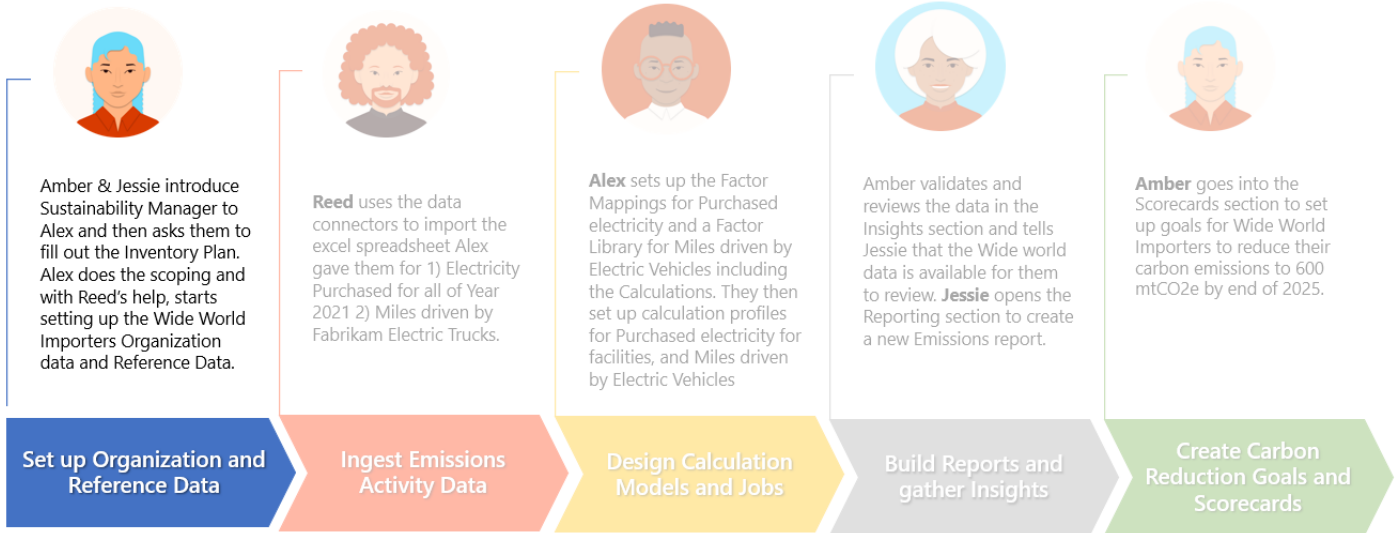
IT Admin

"I'm involved in collecting emissions data and inputting it into our database."

Reed Flores
Wide World Importers

In this lab exercise, we will focus on the scenarios illustrated below:

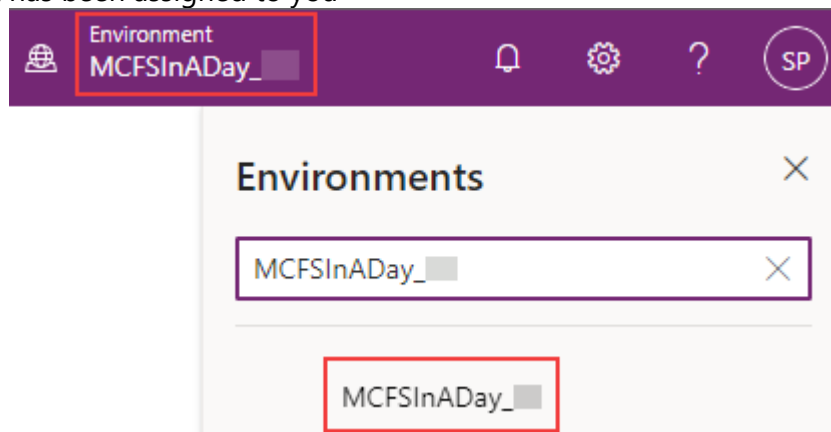
Lab 1



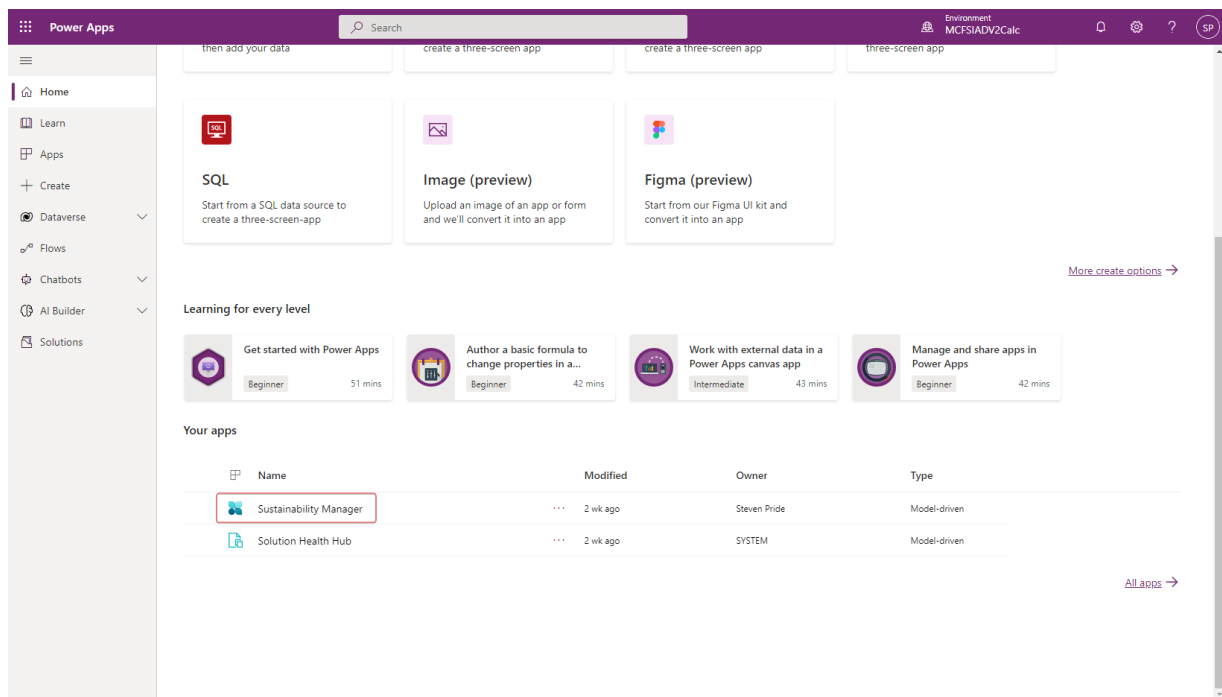
Exercise 1: Set up company profile and reference data

In this exercise, you will learn about the steps that Alex and Reed take to set up Wide World Imports company profile, organizational data, and reference data. You can explore this functionality in deeper detail on Microsoft Docs, please visit [Set up a company profile](#).

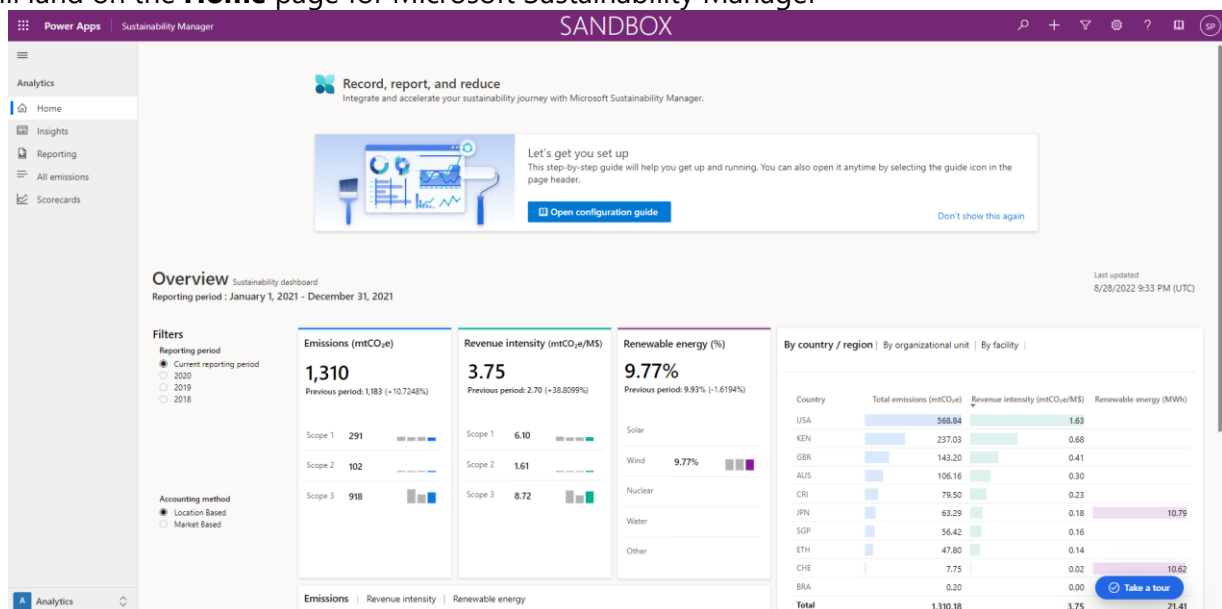
- For our Instructor Lead Training, we suggest using In-private browsing, or a new browser profile.
- For our Instructor Lead Training, log in to <https://make.powerapps.com> using the mcfsiaduserXX@powerplatformopenhacks.onmicrosoft.com account that has been assigned to you.
- For our Instructor Lead Training, please use the environment selector to select the MCFSInADay_XX environment that has been assigned to you



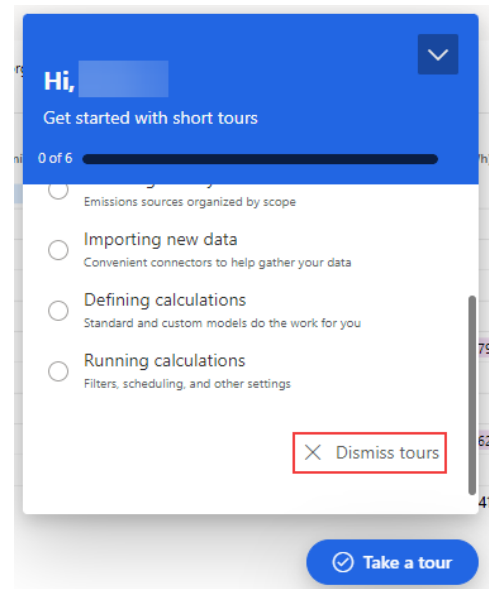
- Open the **Sustainability Manager** Application



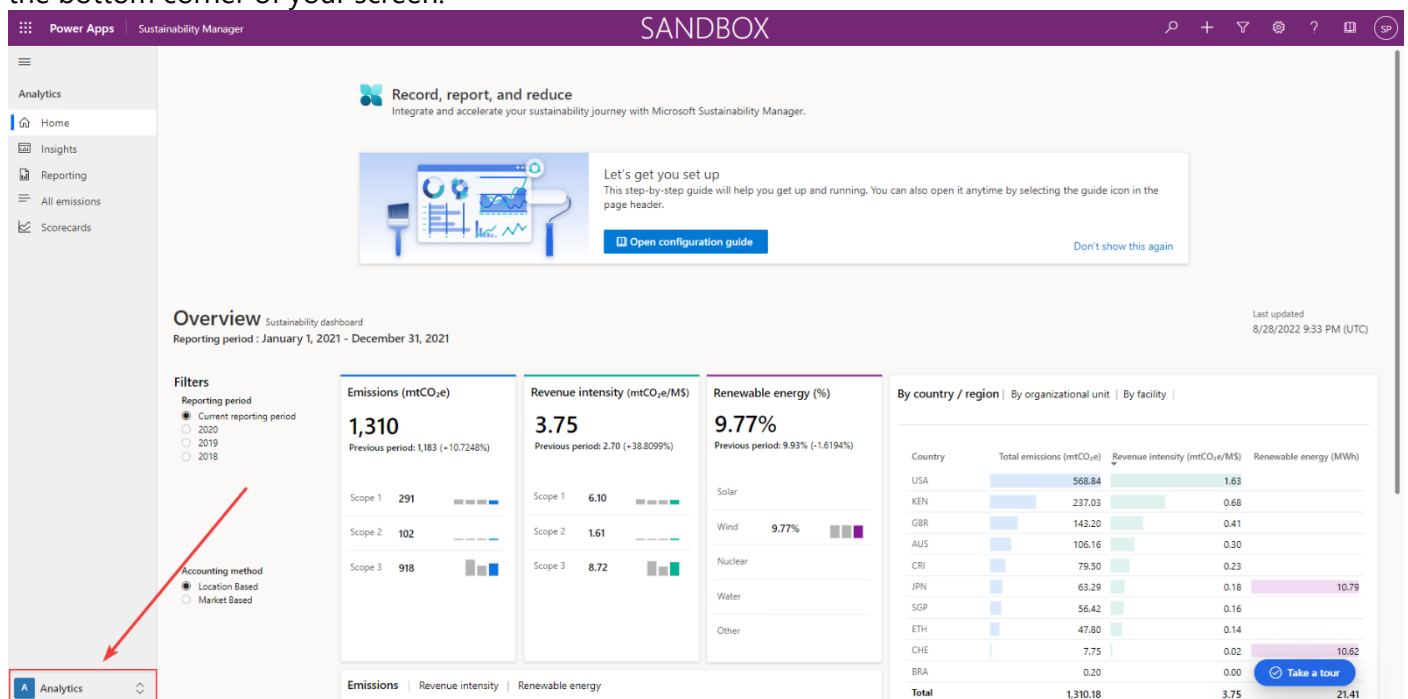
You will land on the **Home** page for Microsoft Sustainability Manager



Note: You can dismiss the Product tour by scrolling down and clicking on the "Dismiss tour" button.



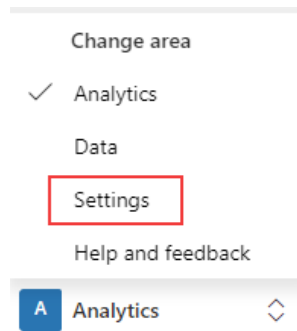
Area navigation is a common first step in each lab and exercise. You can find the area navigation menu in the bottom corner of your screen.



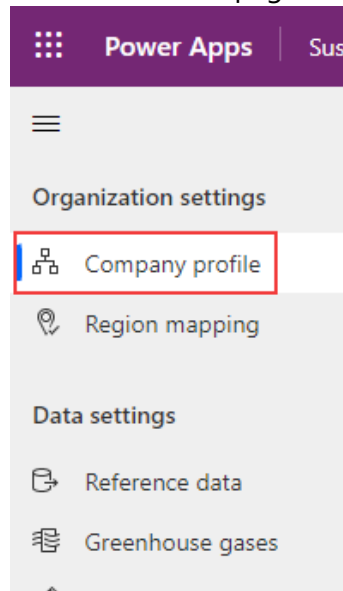
Task 1: Setup the Company profile, hierarchy, and facilities

In this task, Alex sets up the Company profile, hierarchy, and facilities for the Wide World Importers organization in Microsoft Sustainability Manager.

1. In the bottom left corner, change your Area to **Settings**



2. Navigate to **"Company profile"** on the left side of the page.




3. The Company profile page includes basic information about the organization, such as name, address, company logo, the annual reporting period, and relevant industries. Additionally, there are tabs at the top of the page for setting up organization structure and facilities, both will be covered in this exercise.

Company profile

General **Structure** Facilities

Basic information Save



Company name *

Address line 1 *

Address line 2

City * **State/Province**

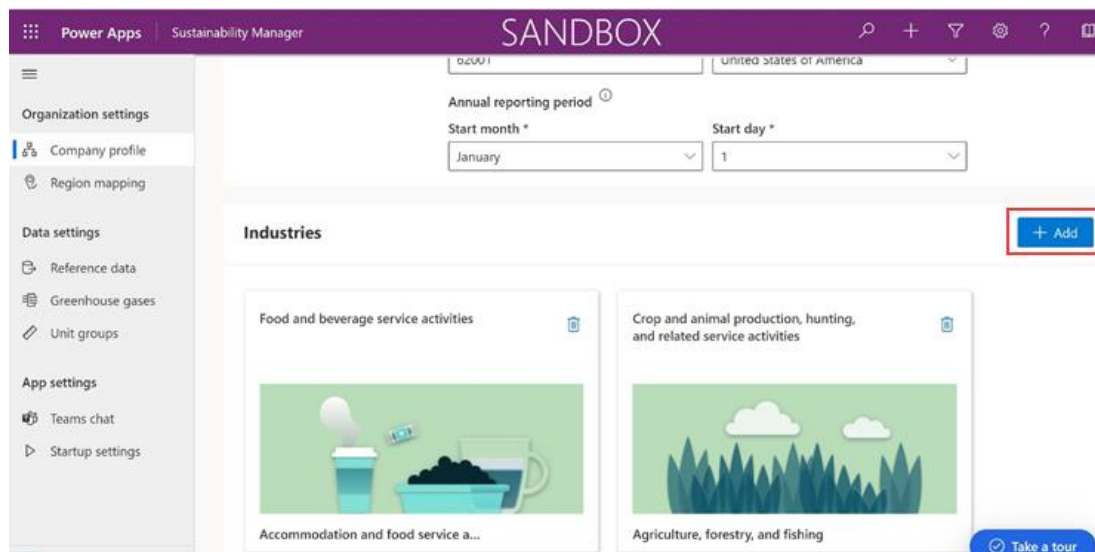
ZIP/Postal code * **Country/Region ***

Annual reporting period ⓘ

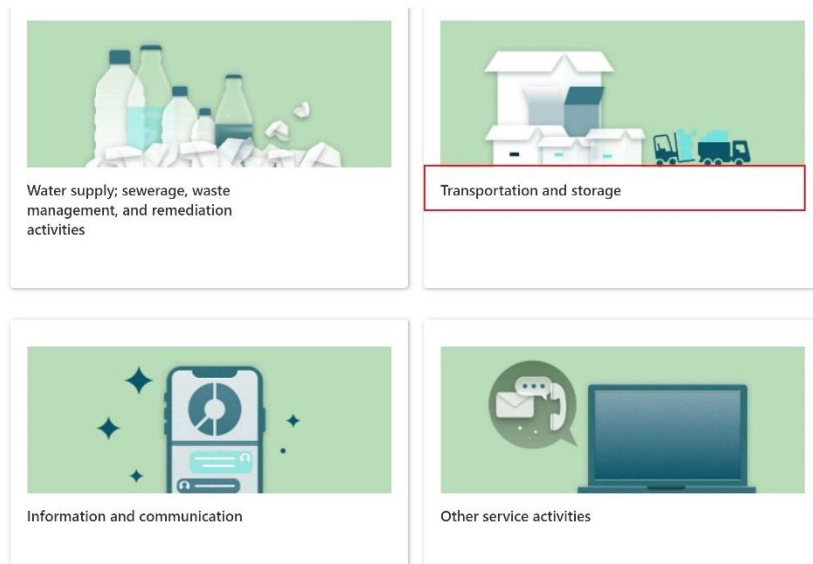
Start month * **Start day ***

Industries + Add

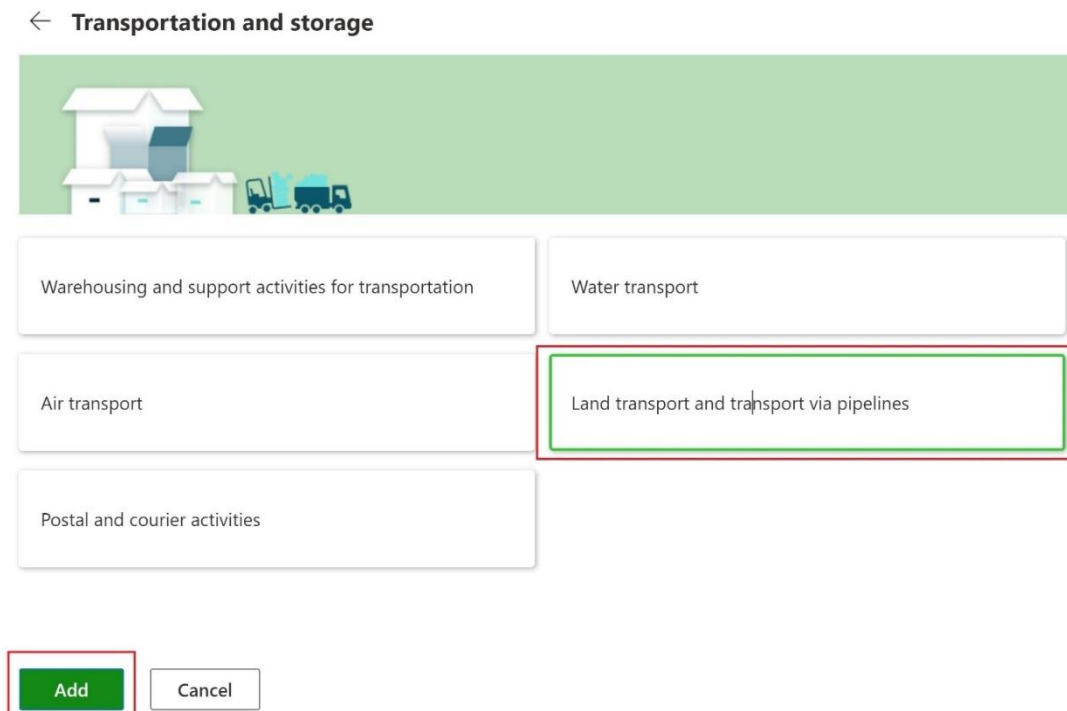
- On the **Company profile** page, scroll down to **Industries** section. Microsoft Sustainability Manager includes a selection of pre-defined industries and sub-verticals based on NACE standards, [NACE Code](#). Click **+ Add**



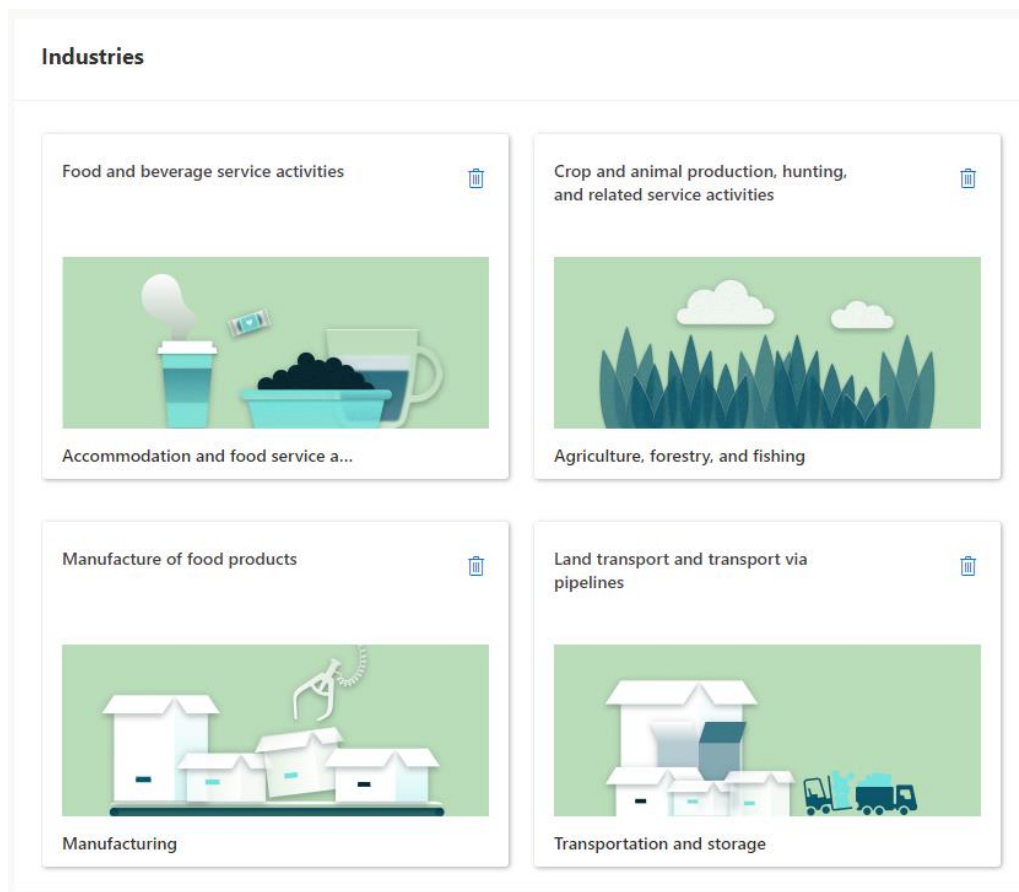
- In the **Industries** section select **Transportation and storage**



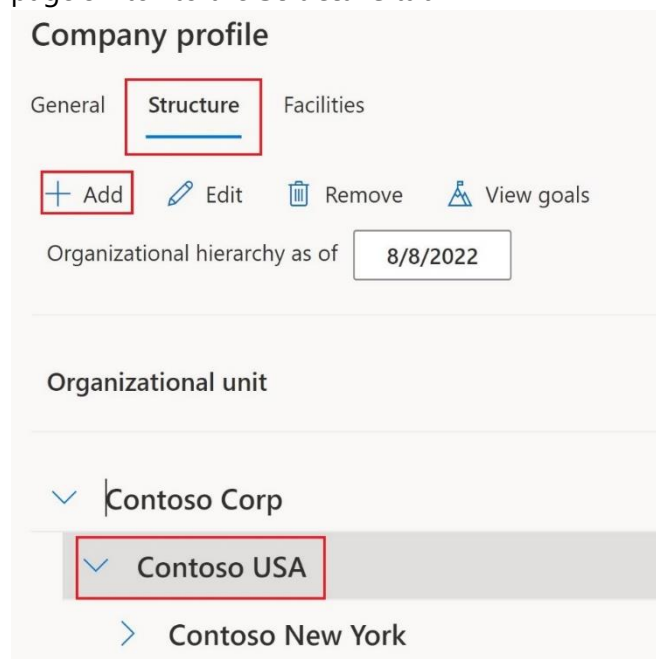
6. In the next screen select **“Land transport and transport via pipelines”** and select **“Add”**



7. **“Land transport and transport via pipelines”** is now visible in the Industries section at the bottom of the **Company profile** page



8. In the **Company profile** page switch to the **Structure** tab



9. Select **Contoso USA** and select **Add** to add a new organizational unit under it.

← Save Save & Close + New Flow

New Organizational unit

General Monthly revenue

Name *	---	Address line 1	
Description	---	Address line 2	---
Organizational unit type *	---	Address: City	---
Latitude	---	County	---
Longitude	---	ZIP/Postal code	---
Connection	---	State/Province	---
		Country/Region	Select country/region
		Origin correlation ID	---

10. Enter the following data for organizational unit and select **Save** in the button pane

- **Name:** Wide World Importers
- **Organizational unit type:** Department

← Save Save & Close + New Deactivate

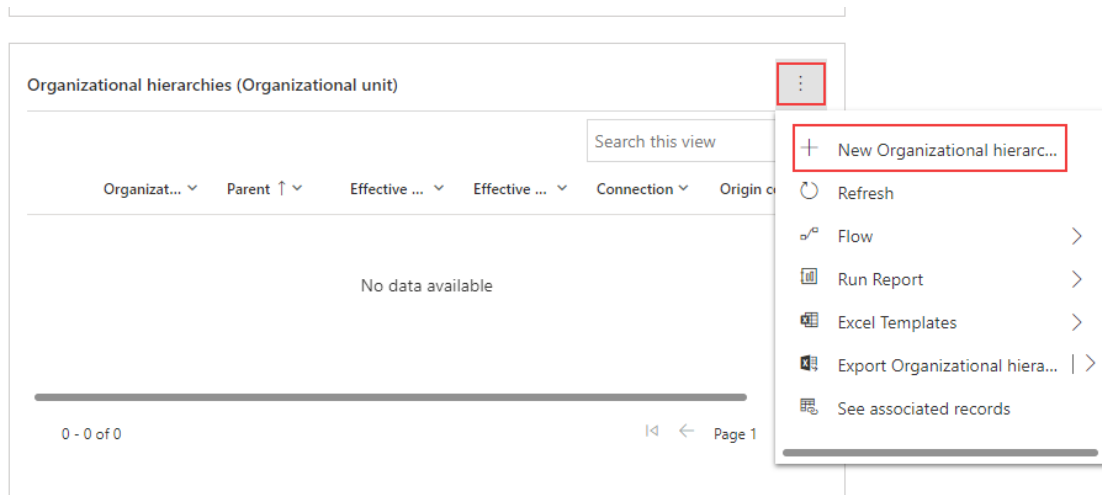
Wide World Importers - Saved

Organizational unit

General Monthly revenue Related

Name *	Wide World Importers
Description	---
Organizational unit type *	Department
Latitude	---
Longitude	---
Connection	---

11. In the Organizational hierarchies section, which appears after clicking **Save**, click + **New Organizational hierarchy**



12. Set the following values and click **Save & Close**

- **Parent:** Contoso USA
- **Effective start date:** The first day of the current month, for example 8/1/2022

Navigation: < | > | Save | Save & Close | + New | Flow >





New Organizational hierarchy - Unsaved

General

Organizational unit *	Wide World Importers	Effective start date *	8/1/2022
Parent	Contoso USA	Effective end date	---
Connection	---	Origin correlation ID	---

13. After being returned to the Organizational Unit, click **Save & Close** to return to the **Company profile**

Note: Pay close attention to the data used in this lab. The following labs will reference this data, and it will need to match exactly as seen in the lab.

←  Save **Save & Close** + New  Deactivate  Delete  Ref

Wide World Importers - Saved
Organizational unit



General Monthly revenue Related

Name	* Wide World Importers
Description	---
Organizational unit type	* Department







14. Navigate to **Company profile** switch to **Facilities** tab page and select **Add facility**

Company profile

General Structure **Facilities**

 **Add facility**  Manage connection

Search

Contoso Factory 11 Carob Tree Road, Stilson, Washington, USA	  
Contoso Warehouse 12 Candlenut Tree Street, Houston, Texas, USA	  

15. Create a new Facility with the following details. Once the values are entered, select **Save & Close**

- **Name:** Wide World Importers - Miami Office
- **Address line 1:** Brickell Avenue
- **City:** Miami
- **State:** Florida
- **Zip:** 33132
- **Country:** United states of America
- **Latitude:** 25.774320
- **Longitude:** -80.187720

Note: Latitude and Longitude are not required but are used to display a pin on the Facilities map. They can be automatically added by selecting an address from the autocomplete options in Address line 1, or manually entered.

← 📁 Save 📄 Save & Close + New 🔄 Flow ▾

New Facility - Unsaved

General

Name *	Wide World Importers - Miami Office
Latitude	25.7743200000
Longitude	-80.1877200000
🔗 Connection	---

Address line 1 *	Brickell Avenue
Address line 2	---
City *	Miami
County	---
State/Province	Florida
ZIP/Postal code *	33132
Country/Region *	United States of America ▾
Origin correlation ID	---

16. Using the same steps, add another new **Facility**. Once the values are entered, select **Save & Close**

Note: Pay close attention to the data used in this lab. The following labs will reference this data, and it will need to match exactly as seen in the lab.

- **Name:** Wide World Importers - Tampa Office
- **Address line 1:** Lois Avenue
- **City:** Tampa
- **State:** Florida
- **Zip:** 33609
- **Country:** United states of America
- **Latitude:** 27.944830
- **Longitude:** -82.514050

Note: Latitude and Longitude are not required but are used to display a pin on the Facilities map. They can be automatically added by selecting an address from the autocomplete options in Address line 1, or manually entered.

← Save Save & Close + New Flow

New Facility - Unsaved

General

Name *	Wide World Importers - Tampa Office
Latitude	27.9448300000
Longitude	-82.5140500000
Connection	---

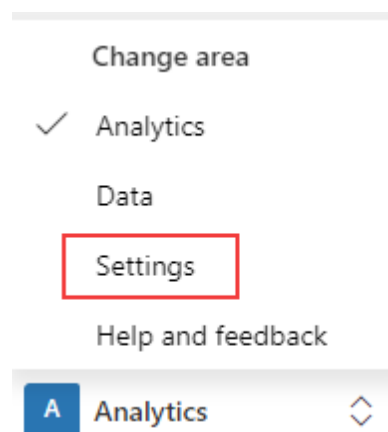
Address line 1 *	Lois Avenue
Address line 2	---
City *	Tampa
County	---
State/Province	Florida
ZIP/Postal code *	33609
Country/Region *	United States of America
Origin correlation ID	---

Great job, by completing these steps, you have completed the organizational setup. Organizational structure and facility management will be linked to activity and emission data to group emissions by Organization, facility, and even regions. This is an important part of carbon emission reporting and organization disclosures. **Please continue to the next task.**

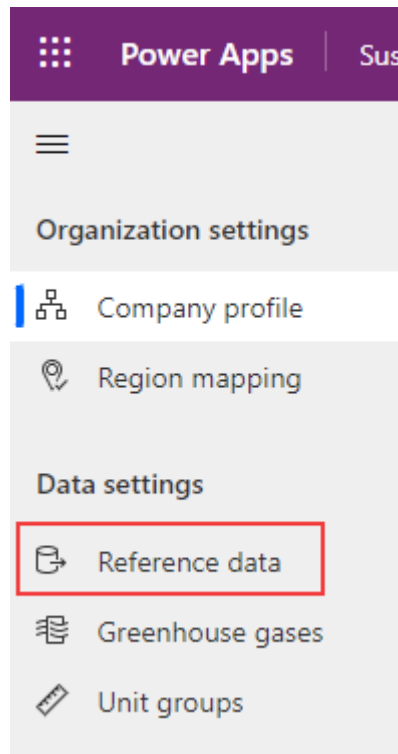
Task 2: Setup reference data

In this task, Reed sets up the reference data for contractual instrument types in Microsoft Sustainability Manager. Contractual instrument types are the different types of contractual agreements that a firm has with their providers and suppliers.

1. In the bottom left corner, change the Area to **Settings**



2. Navigate to **"Reference data"** on the left side of the page.



3. Select **Contractual instrument types** and select **View**

A screenshot of the Power Apps interface showing the 'Data settings' menu. The 'Reference data' option is highlighted with a red box. The sidebar also shows 'Organization settings', 'Company profile', 'Region mapping', 'Greenhouse gases', and 'Unit groups'.

Reference data categories ▼

Connecting to reference data helps provide relevant, reliable emissions calculations. [Le](#)

Source	Data	Connections
Accommodation types	View	Manage
Business travel types	View	Manage
Contractual instrument types	View	Manage
Emission factors	View	Manage

4. Under **Active contractual instrument types** > **Select New** to create new contractual types

←	Show Chart	+ New	Delete	↻ Refresh	Email a Link	Flow	Run Report
---	------------	--------------	--------	-----------	--------------	------	------------

Active contractual instrument types					Edit columns	Edit filters
	Name ↑	Created on	Description	Energy source	Co	
	Green Republic Cooling	6/21/2022 4:51 PM		Solar		
	Green Republic Electricity Services Solar	6/21/2022 4:51 PM		Solar		
	Green Republic Electricity Services Wind	6/21/2022 4:51 PM		Wind		
	Green Republic Heating	6/21/2022 4:51 PM		Solar		
	Utility Company Cooling	6/21/2022 4:51 PM		Other		
	Utility Company Grid Energy	6/21/2022 4:51 PM		Other		
	Utility Company Heating	6/21/2022 4:51 PM		Other		

5. Create a new Contractual Instrument with the following details. Once entered, select **Save & Close** in the button pane.

- Name:** VanArsdel Ltd
- Energy source:** Nuclear

←	Save	Save & Close	+ New	Flow
---	------	-------------------------	-------	------

New Contractual instrument type - Unsaved

General

Name *	VanArsdel Ltd	Energy source *	Nuclear
Description	---	Origin correlation ID	---
Connection	---		

6. In the same way, again create a new Contractual Instrument with the following details. Once entered, select **Save & Close** in the button pane.

Note: Pay close attention to the data used in this lab. The following labs will reference this data, and it will need to match exactly as seen in the lab.

- a. Name: Adatum Corp
- b. Energy source: Other

Note: Pay close attention to the data used in this lab. The following labs will reference this data, and it will need to match exactly as seen in the lab.

← Save Save & Close + New Flow

New Contractual instrument type - Unsaved

General

Name	Adatum Corp
Description	---
Connection	---

Energy source	Other
Origin correlation ID	---

Great job, by completing these steps, you have added contractual instrument types. There are many types of reference data, take some time after this lab to explore the other reference data types, they will be used throughout Microsoft Cloud for Sustainability, and Microsoft Sustainability Manager.

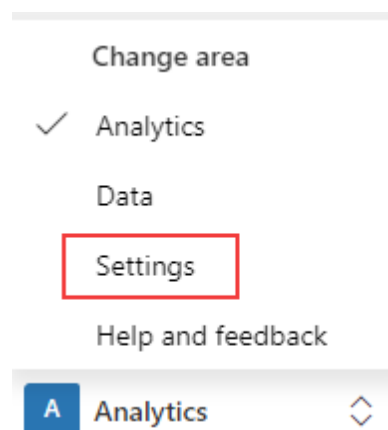
Please continue to the next task.

Task 3: Setup Unit conversion factor

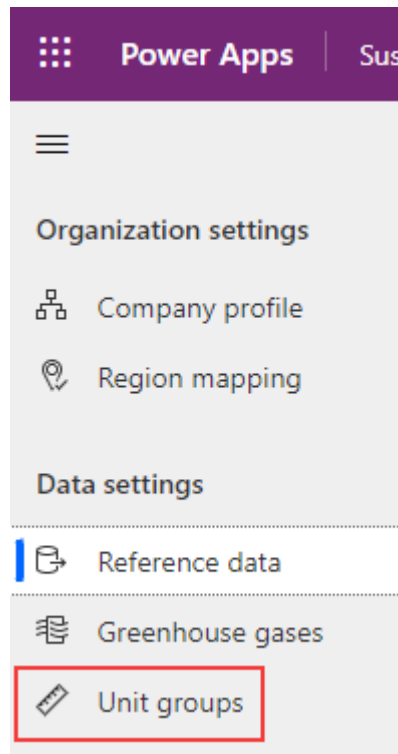
In this task, Reed sets up a unit conversion factor in Microsoft Sustainability Manager. While reviewing the inventory management plan, Alex identifies a missing unit of distance needed to calculate emissions for the fleet of electric vehicles. They ask Reed to add a new unit to the Length/Distance unit group.

Unit Groups are used to group units together and define a base unit used to convert between unit types. For example, the Length/Distance unit group contains units of length and distance, with a base unit of meter (m). The units within the Length/Distance unit group have conversions between the unit type and meter, such as miles convert to 1,609.344 meters. You can explore this functionality in deeper detail on Microsoft Docs, please visit [Set up unit groups](#).

1. In the bottom left corner, change the Area to **Settings**



2. Navigate to **"Unit groups"** on the left side of the page.



3. Under **Active unit groups**, Select **Length/distance** and open

The screenshot shows the 'Active unit groups' table in Power Apps. The table has columns for Name, Base unit, and Reporting unit. The 'Length/distance' row is highlighted with a red rectangle. The table also includes a search bar and various action buttons like 'Show Chart', 'New', 'Refresh', 'Email a Link', 'Flow', 'Run Report', and 'Excel Templates'.

Name ↑	Base unit	Reporting unit
Currency	USD 2018	
Energy	J	MWh
Length/distance	m	m
Occupancy	Passenger	
Stay duration	Night stay	
Volume	L	L
Weight/mass	kg	mtCO2e

4. Select **New unit** to create new

← | | | | Save | Save & Close | New | Deactivate | Delete | Refresh | Check Access | Assign | Share



Length/distance - Saved

Unit group

General | Related

Base unit  m

Reporting unit  m

 New Unit
  Refresh
 

<input type="radio"/> Name ↑	Conversion factor	Is base unit	Base unit
<input type="radio"/> ft	0.3048000000	No	m

5. Enter the following details to create a new unit. Once entered, select **Save & Close** from the button pane.
 - a. Name: 100 mile
 - b. Conversion factor: 160934.40

Note: The EPA calculates electric vehicle efficiency by the number of kilowatt hours (kWh) used per 100 miles. For consistency, it is best practice to utilize the same units that you find in industry standards.



← | | | | Save | **Save & Close** | New | Flow ▾


New Unit - Unsaved



General

Name * 100 mile

Conversion factor * 160,934.4000000000

 Base unit *  m

 Is base unit * No

 Unit group *  Length/distance

Congratulations! By completing these steps, you have completed the organizational and reference data setup. Organization and reference data is the foundation of the Microsoft Cloud for Sustainability and Microsoft Sustainability Manager. These data points are used throughout the

tools, so it is important to spend the time to ensure that your organization and reference data is set up correctly.