JD Edwards EnterpriseOne Applications

Sustainability Framework Implementation Guide

9.2

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Part Number: G10599-08

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Preface

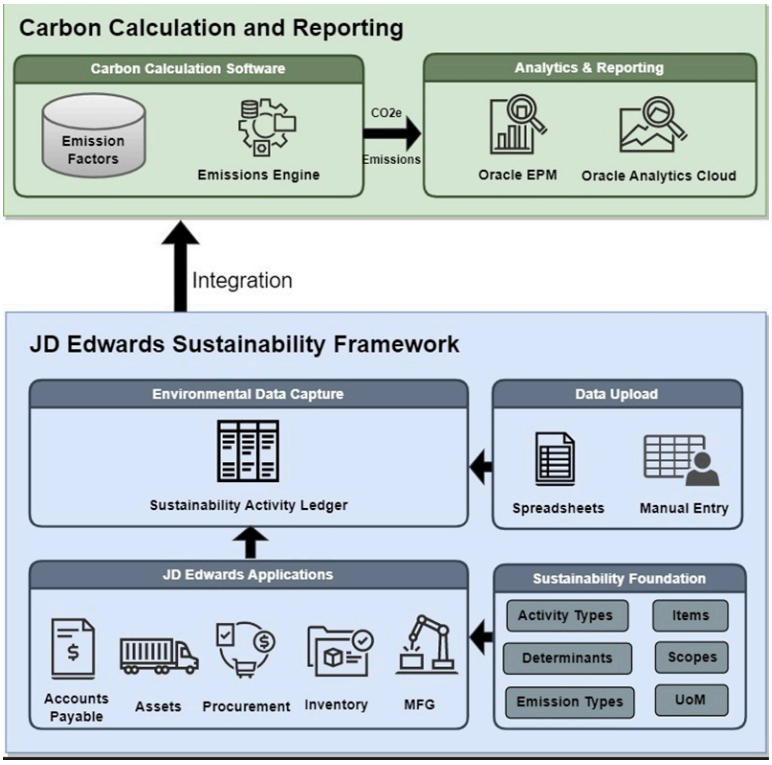
1 Introduction to the JD Edwards EnterpriseOne Sustainability Framework

JD Edwards EnterpriseOne Sustainability Framework Overview

In today's world, the companies adopt an extensive collection of measures such as policies, procedures, and metrics, to either minimize the adverse effects or to support the favorable contributions to the environment, society, and governance. Environmental, Social, and Governance (ESG) is a set of all such measures, and it provides a means for gauging potential business risks and opportunities within these domains.

The primary focus of the JD Edwards EnterpriseOne Sustainability solution is on the most significant **Environmental (E)** part of ESG that deals with environmental risks and natural resource management. Collecting environmental data enables businesses to track emissions relative to predefined goals or limits, thus enabling them to identify potential cost-saving and emission-reduction opportunities. It also aids organizations in meeting mandatory and voluntary global environmental reporting requirements. The businesses source the environmental data from multiple channels, thus necessitating the need for manual entry of this information. Proper verification and validation of environmental data is crucial, but this task is time-consuming and burdensome. The JD Edwards Sustainability Framework provides a standardized and optimized way of collecting the environmental information. It focuses on setting up the sustainability foundation by identifying the environmental reference data, gathering the environmental data which reside in different business processes, and storing the data in a repository called Sustainability Activity Ledger.

This figure demonstrates how the Sustainability Framework functions, and depicts its extensibility to integrate with an external software for calculation and reporting of data that is required for environmental reporting purposes.



The key data setup required for Sustainability Framework includes:

- **Activity Type**: Define the types of environmental activities that generate greenhouse gas (GHG) emissions, such as stationary combustion and mobile combustion. The emissions of any organization need to be categorized under the activity types that are predefined under the GHG protocol. If any task performed by your organization has an impact on the environment, then it is called an activity, and the activity can be categorized under a certain type, called activity type. For example, if you are using fuel in boiler or any other machine which is stationary, it comes under the activity type of stationary combustion.
- **Scope**: Set up emission scope codes to categorize an environmental activity into one of the scopes defined by the GHG Protocol. All activity types are grouped under one of these scopes defined by GHG:
  - **Scope 1**: Direct GHG emissions from sources owned or controlled by the company, such as stationary combustion.
  - **Scope 2**: Indirect GHG emissions from purchased energy.
  - **Scope 3**: Other indirect GHG emissions that are not included in Scope 2, for example, emissions from purchased goods and services.
- **Determinant Type**: Set up the determinant types, such as fuel types, vehicle types, and energy types, required for different activity types.

- **Determinant**: Set up various determinants, such as diesel and natural gas, and assign them to a determinant type. The determinants determine the emission factor of an activity. For example, for the stationary combustion activity type, if diesel is used as the determinant, the emission is different from the emission that the usage of the determinant natural gas will cause.
- **Emission Types**: Set up emission types to define the types of GHG emissions that result from the environmental activities. The examples of emission gases are carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), and other fugitive emissions that include sulphur hexafluoride (SF6), nitrogen trifluoride (NF3), and so on.

The Sustainability Framework system records the environmental data from various JD Edwards applications and stores this data as activity records in the Sustainability Activity Ledger table. The Sustainability Activity Ledger application enables you to enter and modify the activity data. You can use the JD Edwards in-built capabilities to import and export the environmental data. You can then use these components to calculate carbon emissions, and for other reporting purposes.

Note: *Watch this video to gain insight into the value this feature delivers.*

Note: *Watch this video to view the demonstration of how to set up the foundation for the Sustainability Framework.*

Note: *Watch this video to view the demonstration of how to create the sustainability activity records using the Sustainability Framework system.*

Note: *Watch this video to view the demonstration of how to create the sustainability activity records for mobile combustion using the Sustainability Framework system.*

Note: *Capturing Purchased Goods and Services Data*

Note: *Capturing Waste Generated in Operations Data*

Note: *Capturing Water Withdrawal Data*

JD Edwards EnterpriseOne Sustainability Framework Integrations

JD Edwards interactive applications enable you to collect data such as fuel consumption and energy consumed or generated at facilities or locations.

The JD Edwards EnterpriseOne Sustainability Framework system integrates with these JD Edwards EnterpriseOne products:

- JD Edwards EnterpriseOne Accounts Payable

  The JD Edwards EnterpriseOne Sustainability Framework enables you to record the sustainability data in the Accounts Payable process while generating standard vouchers.

- JD Edwards EnterpriseOne Procurement

  The JD Edwards EnterpriseOne Sustainability Framework can facilitate the sustainability data collection within the Procurement process, particularly while matching vouchers with purchase orders and receipts.

JD Edwards EnterpriseOne Sustainability Framework Implementation

In the planning phase of the implementation, take advantage of all JD Edwards EnterpriseOne sources of information, including the installation guides and troubleshooting information.

When determining which electronic software updates (ESUs) to install for JD Edwards EnterpriseOne Sustainability Framework, use the EnterpriseOne and World Change Assistant. EnterpriseOne and World Change Assistant, a Java-based tool, reduces the time required to search and download ESUs by 75 percent or more and enables you to install multiple ESUs at one time.

See the *JD Edwards EnterpriseOne Tools Software Updates Guide* .

For information about the Oracle Business Accelerator solution for implementation of JD Edwards EnterpriseOne Sustainability Framework, review the documentation available.

See `http://docs.oracle.com/cd/E24705_01/index.htm`

Global Implementation Steps

The suggested global implementation steps for JD Edwards EnterpriseOne Sustainability Framework are:

1. Set up global user-defined codes (UDCs).

   See *"Working with User Defined Codes" in the JD Edwards EnterpriseOne Tools System Administration Guide* .
2. Set up companies, fiscal date patterns, and business units.

   See *"Setting Up Organizations" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .
3. Set up next numbers.

   See *"Setting Up Next Numbers" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .
4. Set up accounts and the chart of accounts.

   See *"Creating the Chart of Accounts" in the JD Edwards EnterpriseOne Applications Financial Management Fundamentals Implementation Guide* .
5. Set up General Accounting constants.

See *"Setting Up Constants for General Accounting" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .

6. Set up multicurrency processing, including currency codes and exchange rates.

   See *"Setting Up General Accounting for Multicurrency Processing" in the JD Edwards EnterpriseOne Applications Multicurrency Processing Implementation Guide* .

   See *"Setting Up Exchange Rates" in the JD Edwards EnterpriseOne Applications Multicurrency Processing Implementation Guide* .
7. Set up ledger type rules.

   See *"Setting Up Ledger Type Rules for General Accounting" in the JD Edwards EnterpriseOne Applications General Accounting Implementation Guide* .
8. Enter address book records.

   See *"Entering Address Book Records" in the JD Edwards EnterpriseOne Applications Address Book Implementation Guide* .
9. Set up inventory information, such as branch/plant constants, default locations and printers, manufacturing and distribution AAIs, and document types.

   See *"Setting Up the Inventory Management System" in the JD Edwards EnterpriseOne Applications Inventory Management Implementation Guide* .

Sustainability Framework Implementation Steps

These are the suggested application-specific implementation steps for JD Edwards EnterpriseOne Sustainability Framework:

1. Working with Determinants.

   See *Working with Determinants*.
2. Working with Determinants Types Mapping.

   See *Working with Determinant Types Mapping*.
3. Working with Fuel Types.

   See *Working with Fuel Types*.
4. Working with Activity Types.

   See *Working with Activity Types*.
5. Working with Activity Sources.

   See *Working with Activity Sources*.

2 Configuring the Sustainability Framework System

Understanding System Configuration for Sustainability Framework

Before you use the JD Edwards EnterpriseOne Sustainability Framework system, you must define certain information that the system uses during processing. You use this information to configure the system to meet the company's business needs.

This table describes the information that you must set up for this system:

Setup Information	Description
Activating Sustainability Framework	You activate the Sustainability Framework module to enable the use of the system.
Setting Up User-defined Codes (UDCs)	You define UDCs to set up customized codes such as document type and activity type based on your business needs.
Setting Up Next Number	You set up next numbers to provide automatic numbering for JD Edwards EnterpriseOne Sustainability Framework documents.

Activating the Sustainability Framework System

This section provides an overview of system activation and discusses how to activate the JD Edwards EnterpriseOne Sustainability Framework system.

Understanding the System Activation

Before you can set up and process data for Sustainability Framework, you must activate the JD Edwards EnterpriseOne Sustainability Framework system. The system code for Sustainability Framework is 20S. To activate system 20S, a record containing the following data must exist in the OneWorld System Control File (F99410) table:

- The Data Item field contains SY20S.
- The Use Module field contains Yes.

You activate system code 20S using the EnterpriseOne System Control program (P99410). The JD Edwards EnterpriseOne system stores system constants in the F99410 table.

Activating JD Edwards EnterpriseOne Sustainability Framework System

To activate JD Edwards EnterpriseOne Sustainability Framework:

1. Access the EnterpriseOne System Control - Revisions form.

Form Name	Form ID	Navigation
EnterpriseOne System Control - Revisions	W99410B	Enter **P99410** in the Fast Path field and press Enter. On the Work With EnterpriseOne System Control form, click Add or select the row containing data item SY20S and click Select.

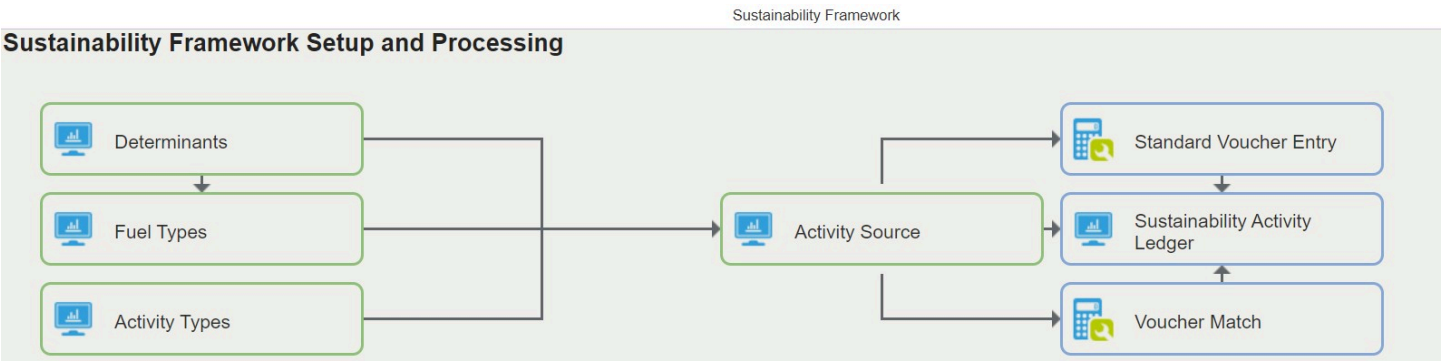
2. When you enter the value **SY20S** in the Data Item field, the system displays the system constant description **Use Sustainability Framework** associated with SY20S in the Alpha Description field.
3. Select **Yes** in the Module Existence option.
4. Click **OK** to activate JD Edwards EnterpriseOne Sustainability Framework.

Understanding the Sustainability Framework Composed Page

When you log on to the JD Edwards EnterpriseOne application, you can have the system display the Sustainability Framework as your default page.

The EnterpriseOne Home Page may also contain EnterpriseOne Pages that are assigned to your user ID or your user role. EnterpriseOne Pages display as tabs located across the top of the interface. If you are not assigned any EnterpriseOne Pages, a default page is displayed when you log on to JD Edwards EnterpriseOne.

This figure depicts the Sustainability Composed page that displays in the EnterpriseOne software if you have enabled the setting for this to display.



This Composed page contains links to the Sustainability Framework applications to provide you with a user interface that enables you to access multiple content types from this single page.

The Sustainability Framework Composed page exists in a predesigned state that cannot be modified or deleted. The users do not have the rights to create their own page. When more than one EnterpriseOne page is published to a user/role, then you can access the pages using the tabs on the home page.

JD Edwards EnterpriseOne saves the tab position of the EnterpriseOne pages. Next time you log into the JD Edwards EnterpriseOne application, the tabs appear depending on the setting you saved during your last session.

The system administrator can change the existing Composed page through the User Generated Content administration application.

Setting Up User-Defined Codes

Many programs in the JD Edwards Sustainability Framework system use user-defined codes (UDCs) to process information. You can change or delete the predefined data if it is not hard-coded and add your own UDCs to suit your needs. You must not change the product code, code type, or description name for the UDCs in the JD Edwards Sustainability Framework system.

The following table describes the UDCs that are used by the JD Edwards Sustainability Framework system:

User-Defined Code	Description
Object In Use Application Id (00/RR)	A user-defined code to identify the record reservation capability within the Sustainability Framework system. When it is set to 1, the system locks the record when in use by a user to avoid creation of duplicate records.
Parent/Child Structure Type (01/TS)	A user-defined code that identifies a type of organizational structure that has its own hierarchy in the Address Book system, for example, e-mail. When you create a parent/child relationship for the Sustainability Framework system, the structure type must be SF.
Action Code (20S/AC) (Release 9.2 Update)	A user-defined code that indicates the action performed on a sustainability activity record. Valid values are: **1:** Add

User-Defined Code	Description
	2: Change **3:** Delete **4:** Void
Electronic Mail Boxes (02/MB)	A user-defined code that indicates the type of environmental activity. Enter 31 for Sustainability Workflow.
Activity Type (20S/AT)	A user-defined code that indicates the type of environmental activity. For example, define codes for stationary combustion, mobile combustion, purchased energy, purchased goods and services, waste generated in operations, and water withdrawal.
Biomass (20S/BM)	A user-defined code that specifies the presence of biomass in the fuel. Values are: **N:** Fossil Fuel **Y:** Bio Fuel
Activity Ledger Data Item (20S/DI)	A user-defined code (20S|DI) that indicates the data item that identifies the table column in the Sustainability Activity Ledger table (F20S11) that stores the determinant value associated with the determinant type. For example, **ALFUELTY** is the UDC to specify that the table column in the Sustainability Activity Ledger (F20S11) stores the determinant value of the Fuel Type.
Data Quality (20S/DQ)	A user-defined code that identifies the quality of data associated with the activity. For example, **A** is the UDC for quality taken on Actual.
Determinant Type (20S/DT)	A user-defined code (20S/DT) that identifies the category of the determinants, also referred to as activity-specific attributes. For example, define codes for fuel type and vehicle type for Scope 1 mobile combustion; for grid region and energy type for Scope 2 purchased energy, and for spend type for Scope 3 purchased goods and services.
Emission Type (20S/ET)	A user-defined code that indicates the type of greenhouse gas or an air pollutant resulting from activities that impact environment. For example, methane and carbon dioxide.
Measure Type (20S/MT)	A user-defined code that indicates the type of measure associated with the activity. For example, **QUANTITY** is the UDC to measure in quantity.
Reason Code (20S/RC)	A user-defined code that indicates the purpose of reversal, or void of a transaction.
Scope Category (20S/SC)	A user-defined code that indicates the reporting category listed in Scope 3 (Other indirect emissions).
Scope (20S/SP)	A user-defined code that indicates the emission scope as defined by the GHG Protocol. Values for the three scopes are: **1:** Scope 1: Direct emissions **2:** Scope 2: Indirect emissions **3:** Scope 3: Other indirect emissions

User-Defined Code	Description
Approval Status (20S/ST)	A user-defined code that identifies the approval status of the activity. Values are: **A:** Approved **I:** In progress **R:** Rejected
Transaction Source (20S/TS)	A user-defined code (20S/TS) to indicate how a transaction is recorded for an activity. For example, **V** is the UDC to record transactions via invoices.

Note:

- *JD Edwards EnterpriseOne Tools Foundation Guide* .

Setting Up Next Numbers

This section provides an overview of next numbers for the JD Edwards EnterpriseOne Sustainability Framework system and discusses how to set up next numbers for the system.

Understanding Next Numbers for Sustainability Framework

When a program retrieves a next number from the Next Numbers - Automatic table (F0002), it references a specific line in the next number table for the appropriate system. If the next number table becomes damaged or if entries are mistakenly deleted, you must set up the next number for the appropriate program on the specific line. This table provides the information necessary to create the next number entries for the JD Edwards EnterpriseOne Sustainability Framework system:

Line Number	Description	Function
1	Activity Doc No	Provides a next number for the record pertaining to an activity.
2	Activity Batch	Provides a next number for the batch pertaining to an activity.

Forms Used to Set Up Next Numbers for the Sustainability Framework System (20S)

Form Name	FormID	Navigation	Usage
Work With Next Numbers	W0002A	Enter **NN** in the Fast Path field.	Review a list of the systems that require next numbers.
Next Numbers Constants	W0002D	On the Work With Next Numbers form, select NN Constant from the Form menu.	Select the method in which to implement next numbers for batch number and document number.
Next Numbers by Co/Fiscal Year	W0002H	On the Work With Next Numbers form, select NN by Co/FY from the Form menu.	Set up next numbers by company and fiscal year.
Set Up Next Numbers by System	W0002C	On the Work With Next Numbers form, select Setup Next Numbers from the Row menu.	Set up next numbers by the Sustainability Framework system (20S).

3 Setting Up the Foundation for Sustainability Framework

Working with Determinants

This section provides an overview of determinants and discusses how to set up determinants.

Understanding the Determinants

Determinants are key components that play a crucial role in determining emission factors during emission calculations. You use the Determinants program (P20S05) to create and manage these determinants. You must associate each determinant with a specific determinant type from UDC 20S/DT to define its category. The system stores this information in the Determinants table (F20S05).

For example, if your organization's emissions arise from the consumption of certain fuels, you can create fuels such as diesel, gasoline, and coal as determinants, and associate them with the Fuel Type category, which serves as the determinant type. Another example for this is a list of all vehicles, such as cars and trucks, that can be associated with the Vehicle Type category. These examples cover emissions under Scope 1.

For Scope 2 emissions, to record location-based emissions from purchased energy, you need to set up determinants for grid region and energy type, and then associate them to the Grid Region and Energy Type categories.

For Scope 3 emissions, to record emissions from purchased goods and services, you need to set up determinants for purchased goods and services and then associate them to the Spend Type category. For waste generated in operations, set up the determinants associated with the waste generated, and associate them to the Waste Disposal, Waste Type, and Hazardous categories.

> **Note:** Before you modify or delete a Determinant, make sure that no sustainability transactions exist for it. If transactions exist, delete or void them in the Sustainability Activity Ledger first.

Forms Used to Work with Determinants

Form Name	Form ID	Navigation	Usage
Work with Determinants	W20S05A	Sustainability Framework Setup (G20S41), Determinants. Alternatively, select Determinants from the Sustainability Framework Composed page.	Review the determinants and their association with the determinant types.

Form Name	Form ID	Navigation	Usage
Determinants Revision	W20S05C	Click Add on the Work with Determinants form.	Add a determinant and specify the determinant type for that determinant.

Setting Up Determinants

Access the Determinants Revision form.

Determinant
Enter a value for determinant or select an existing determinant to associate it to a determinant type.

Determinant Type
Enter a value from UDC 20S/DT to associate a determinant type to the determinant that you are working with.

Determinant Description
Enter a description for the determinant.

Determinant Long Description
Enter a long description for the determinant.

Reference
Enter the reference information for the determinant. For example, you can enter the name of the environmental agency, such as EPA or DEFRA, that has been referenced for determining the value of the determinant based on the applicable standards and regulations.

> **Note:** Before you modify or delete a determinant record, you must first delete or void all associated transactions. The system does not allow changes to records that are in use.

Working with Determinant Types Mapping

This section provides an overview of determinant types mapping and discusses how to map determinant types.

Understanding Determinant Types Mapping

The Determinant Types Mapping (P20S09) program enables you to map a determinant type to a specific column in the Sustainability Activity Ledger table (F20S11) by associating it with the data item for that column. This helps the system identify the column in which the determinants belonging to a determinant type are stored in the Sustainability Activity Ledger table. For example, if the Fuel Type determinant type is mapped to the ALFUELTY (Fuel Type) column, the system stores the fuel type determinants, such as diesel, gasoline, and coal, in the Fuel Type column of the Sustainability Activity Ledger.

This setup is mandatory for processing sustainability transactions. All determinant types must be mapped to a specific column in the Sustainability Activity Ledger table. The system stores this information in the Determinant Types Mapping table (F20S09).

Forms Used to Work with Determinant Types Mapping

Form Name	Form ID	Navigation	Usage
Work with Determinant Types Mapping	W20S09A	Sustainability Framework Setup (G20S41), Determinant Types Mapping	Review the mapping between determinant types and the data item.
Determinant Types Mapping Revision	W20S09B	Click Add on the Work with Determinant Types Mapping form.	Enter the column of the activity ledger where the determinant type should display.

Mapping Determinant Types

Access the Work with Determinant Types Mapping form.

Determinant Type
Enter a value from UDC 20S/DT to specify the determinant type that you want to map to a data item in the activity ledger.

Associated Data Item
Enter a value from UDC 20S/DI to specify the data item in the Sustainability Activity Ledger table (F20S11) to which the determinant type should be mapped.

Working with Fuel Types

This section provides an overview of fuel types and discusses how to set up fuel types.

Understanding the Fuel Types

The Fuel Types program (P20S02) enables you to enter or update attributes related to different fuel types, which are the determinants belonging to the Fuel Type category.

You use this program to specify various attributes of the fuel such as biomass, carbon content, heating values and the dates that define the validity of these details. You can also associate the item number with the fuel type, if you maintain the fuel as an inventory item within your organization.

The system stores these fuel type details in the Fuel Type table (F20S02).

Note: The determinants used in this application must exist in Determinants table (F20S05). These determinants should have the determinant type mapped to the ALFUELTY column of Activity Ledger in the Determinant Type Mapping table (F20S09).

Forms Used to Set Up Fuel Types

Form Name	Form ID	Navigation	Usage
Work with Fuel Types	W20S02A	Sustainability Framework Setup (G20S41), Fuel Types. Alternatively, select Fuel Types from the Sustainability Framework Composed page.	Review the fuel types, their attributes and validity dates.
Fuel Type Revision	W20S02B	Click Add on the Work with Fuel Types form.	Enter a determinant and enter other details for the fuel type.

Setting Up Fuel Types

Access the Fuel Types Revision form.

Fuel Type
Enter a value for determinant that identifies the type of fuel used in combustion activities. You can only enter a determinant that belongs to the Fuel Type category. This value should exist in the Determinants table (F20S05).

Biomass
Enter a value from UDC 20S/BM to specify the presence of biomass in the fuel. If you leave this field blank, the system assigns the value of N for this field.

Item Number
Enter a value for the item number to associate it to the fuel type if you are maintaining the fuel as an inventory item. If not, leave this field blank. This value can be in short, second item, or third item number format.

Effective Date
Enter the date from when the fuel type becomes effective.

Expiration Date
Enter the date from when the fuel type becomes ineffective.

Carbon Content
Enter a value that specifies the mass of carbon per mass or volume of the fuel. For example, in 12.5 KG/FC, 12.5 represents the carbon content.

Carbon Content UoM

Enter a value from UDC 00/UM that indicates the unit of measure in which the carbon content is measured for the fuel. For example, in 12.5 KG/FC, KG represents the UoM of the carbon content.

Carbon Content Per Unit UoM

Enter a value from UDC 00/UM to specify the unit of measure associated with the per unit mass/volume of fuel to which the carbon content is related. For example, in 12.5 KG/FC, FC represents the per unit UoM of the carbon content.

Higher Heating Value

Enter a value that specifies the higher heating value (HHV) of the fuel. It is the amount of heat released by a specified quantity (initially at 25°C) when it is combusted and the products have returned to a temperature of 25°C. It is also known as gross calorific value. For example, in 45.5 MJ/KG, 45.5 is the higher heating value.

Higher Heating Value UoM

Enter a value from UDC (00/UM) that indicates the higher heating value unit of measure for the fuel. For example, in 45.5 MJ/KG, MJ is the higher heating value UoM.

Higher Heating Value Per Unit UoM

Enter a value from UDC (00/UM) that indicates the unit of measure associated with the per unit mass/volume of fuel to which the higher heating value is related. For example, in 45.5 MJ/KG, KG is the higher heating value per unit UoM.

Lower Heating Value

Enter a value that specifies the lower heating value (LHV) of the fuel. It is the amount of heat released by combusting a specified quantity (initially at 25°C) and returning the temperature of the combustion products to 150°C. It is also known as net calorific value. For example, in 42.68 MJ/KG, 42.68 is the lower heating value.

Lower Heating Value UoM

Enter a value from UDC (00/UM) that indicates the lower heating value unit of measure for the fuel. For example, in 42.68 MJ/KG, MJ is the lower heating value UoM.

Lower Heating Value Per Unit UoM

Enter a value from UDC (00/UM) that indicates the unit of measure associated with the per unit mass/volume of fuel to which the lower heating value is related. For example, in 42.68 MJ/KG, KG is the lower heating value per unit UoM.

Note:

- The Carbon Content and the Heating Value fields, both lower and higher, their UoMs, and their Value per Unit UoM fields are all optional fields.
- Before you modify or delete a fuel type record, you must first delete or void all associated transactions. The system does not allow changes to records that are in use.

Working with Activity Types

This section provides an overview of activity types and discusses how to set up an activity type.

Understanding the Activity Type

An activity type refers to any activity or process that has an impact on the environment, such as emissions released during the consumption of fuel, industrial operations, transportation, and energy production. An activity type helps to identify the following aspects related to emissions tracking:

- scope of the activity

- determinant types associated with the activity
- measure of the activity
- emission type

Activity Type	Scope	Determinant Types	Measure Type	Emission Types
Stationary Combustion	1	Fuel Type	Quantity	CO2, CH4, N2O
Mobile Combusion	1	Fuel Type Vehicle Type Percent Laden	Quantity Distance	CO2, CH4, N2O
Puchased Energy - Location	2	Energy Type Grid Region	Quantity	CO2, CH4, N2O
Puchased Energy - Market	2	Energy Type Grid Region Contractual Instrument Type	Quantity	CO2e
Purchased Goods and Services	3	Spend Type	Amount Quantity	CO2, CH4
Water Withdrawal	NA	Water Source Type	Quantity	No emissions
Waste Generated in Operations	3	Waste Type Waste Disposal Type Hazardous	Quantity	CO2, CH4, N2O

You use the Activity Types program (P20S01) to create and manage various activity types within your organization, by associating them to one of the following scopes based on the GHG Protocol.

- Scope 1 - Direct Emission: GHG emissions from sources such as boilers and vehicles that are owned or controlled by an organization. The activities such as Stationary Combustion and Mobile Combustion come under this scope.
- Scope 2 - Indirect Emission: GHG emissions resulting from the purchase of energy by the organization, such as electricity, heat, and cooling.
- Scope 3 - Other Indirect Emission: GHG emissions from sources neither owned nor directly managed by the organization, but related to its activities across the value chain. Examples of this include purchased goods and services and waste treatment.

The system stores the Activity Type details in the Activity Type (F20S01), Activity Type – Determinant Type (F20S06), Activity Type - Measure Type (F20S03) and Activity Type - Emission Type (F20S04) tables.

In addition to the predefined activities under Scopes 1, 2, and 3, you can also create custom activities, such as emissions from specific industrial processes, fugitive emissions, and more. You can define your own activity types, set relevant determinants, and record transactions just as you would with standard activities.

Forms Used to Set Up Activity Type

Form Name	Form ID	Navigation	Usage
Work with Activity Types	W20S01C	Sustainability Framework Setup (G20S41), Activity Types. Alternatively, select Activity Types from the Sustainability Framework Composed page.	Review available activity type records.
Activity Type Revision	W20S01D Determinant Type: S20S01F Measure Type: S20S01G Emission Type: S20S01H	Click Add on the Work with Activity Types form. Then, select the Determinant Type, Measure Type, or the Emission type tab.	Specify determinant type, measure type, and emission type details on the respective form for an activity type.

Setting Up the Activity Type

Access the Revise Activity Type form.

Activity Type Long Description
Enter the long description for the activity type.

Scope
Enter a value from UDC table that indicates the emission scope as defined by the GHG Protocol.

Scope Category
Select a value from UDC 20S/SC to specify the category under scope 3. You can enter a value in this field only when you have selected 3 in the Scope field.

Effective Date
Enter the date from when an activity type becomes effective.

Expiration Date
Enter the date from when an activity type becomes ineffective.

Access the Determinant Type tab.

Determinant Type

Enter a value from UDC 20S/DT that indicates the activity-specific attributes which help in determining the appropriate emission factor for further calculations. You can specify multiple determinant types for an activity.

Access the Measure Type tab.

Measure Type
Enter a value from UDC 20S/MT that indicates the type of measure associated with the activity. You can associate multiple types of measure with an activity.

> **Note:** You must have a minimum of one measure type for an activity type.

Access the Emission Type tab.

Emission Type
Enter a value from UDC 20S/ET that indicates the type of greenhouse gas or air pollutant emitted from the activity, and impacting the environment. You can specify multiple emissions for an activity.

> **Note:** Before you modify or delete an activity type record, you must first delete or void all associated transactions. The system does not allow changes to records that are in use.

Working with Activity Sources

This section provides an overview of activity source and discusses how to set up an activity source.

Understanding the Activity Source

Activity source uniquely identifies the source responsible for emissions resulting from energy consumption or production within an activity. It is defined as a combination of the activity type and its determinants such as fuel type, vehicle type, energy type, or other relevant characteristics, which allow for the selection of the appropriate emission factor for accurate emissions calculations. For example, in Stationary Combustion activities under Scope 1, the primary determinant is usually the fuel type. If an organization uses diesel, natural gas, coal, and LPG for such stationary combustion activities, they should consider creating a separate activity source for each of these fuels. Similarly, in Purchased Energy activities for Scope 2, the primary determinants are usually energy type and grid region. When a sustainability transaction is created with an activity source, it ensures that the correct emission factor is identified and it can be applied during emissions calculation using a third-party solution, leading to precise emissions reporting.

You use the Activity Source program (P20S07) to create and manage activity sources. When you specify the activity type for an activity source in this application, the system automatically loads the determinant types associated with the activity type, enabling you to select the appropriate determinant. The system stores the Activity Source details in the Activity Source Header (F20S07) and Activity Source Detail (F20S08) tables. When you enter the activity source in the sustainability transaction, it retrieves the corresponding activity type and determinant details associated with that activity source.

Understanding Category Codes for Activity Source

Category codes are a type of user-defined codes that you customize to manage the tracking and reporting requirements of your business. Activity Source category codes can be used to represent any category or description by which you want to group the activity sources for sustainability management, review, and reporting. For example, a category code could differentiate emissions from different facilities or units within a plant. These category codes can also help you track progress toward sustainability goals by monitoring emissions in specific categories. Emissions can be reported separately for different regions using category codes making it easier to track compliance with the local regulations.

You can change the category code description, but you should not change the product code and type code. You can also change the characteristics for your category codes. For example, you can change the size (up to 10 characters) and type (numeric or alphanumeric). If you change the category code description or any of the characteristics for a category code, your system administrator must change the data dictionary edit rule and how the data dictionary is mapped so that the changes appear on your data entry forms.

You use the User Defined Codes program (P0004A) to assign category codes to the activity source records. If you assign a category code to your activity source records and then decide to change the description or a characteristic of the category code, you must manually change the existing activity source records.

Note: When you set up activity source category codes, you should create a blank record on the User Defined Codes form. This provides a default if you do not need to assign a category code to a activity source record.

Category Code	Description
Sustainability Framework Category Codes (20S/01-10)	You can define up to 10 sustainability framework category codes in UDC table 20S/01-10 to organize your sustainability data.

Forms Used to Work with Activity Source

Form Name	Form ID	Navigation	Usage
Work with Activity Source	W20S07A	Sustainability Framework Setup (G20S41), Activity Sources. Alternatively, select Activity Source from the Sustainability Framework Composed page.	Review the activity sources and the associated attributes.
Activity Source Revision	W20S07C	Click Add on the Work with Activity Source form.	Enter an activity source and specify the activity type for it, and then specify the determinant to be used for the activity source.

Form Name	Form ID	Navigation	Usage

Setting Up Activity Source

Access the Attributes tab from the Revise Activity Source form.

Activity Source
Enter a value that uniquely identifies a source responsible for emissions resulting from energy consumption or from production in an activity.

Activity Source Description
Enter a description for the activity source.
Activity Source Long Description
Enter a detailed description for the activity source.

Activity Type
Enter a value from UDC 20S/AT that indicates the type of environmental activity.

Transaction Source
Enter a value from UDC 20S/TS that specifies how a transaction should be recorded for an activity source. Enter V to record transaction via invoices.

> **Note:** With one of the subsequent enhancements, this field will assist you in avoiding the duplicate recording of resource consumption, for example fuel or energy, from different sources. This UDC will have additional values as and when additional JD Edwards applications are enabled to record the sustainability data.

Determinant
Enter a value that identifies the determinant for the determinant type for an activity type. This helps in determining the appropriate emission factor for emission calculation.

Access the Category Codes tab from the Revise Activity Source form.

Category Code 01-10
Enter values from 1 through 10 from UDC 20S/01 through 20S/10 respectively as per your business requirement.

> **Note:** Before you modify or delete an activity source record, you must first delete or void all associated transactions. The system does not allow changes to records that are in use.

Working with Activity Source Preference (Release 9.2 Update)

This section provides an overview of activity source preference and discusses how to set up an activity source preference.

Understanding the Activity Source Preference

You use the Activity Source Preference program (P20S21) to specify the activity source for a combination of company, business unit, supplier, item number, county, state, and country. You can specify the activity source for the entire combination, or a partial combination from these fields, such as for business unit, supplier, and item number, or for company and supplier. You can even specify it for individual fields, such as for a supplier, an item number, a state, and a country. The system stores these details in the Activity Source Preference table (F20S21).

With this program, you simplify and streamline the process of determining the appropriate activity source while you enter the sustainability transactions. By automating the retrieval of activity source based on a predefined combination, this program reduces the manual effort and minimizes the risk of errors.

When you enter sustainability details for a voucher using the Standard Voucher or the Voucher Match program, and you have specified the processing option for the program to use the activity source preference, the system retrieves the activity source from the Activity Source Preference table (F20S21).

To determine the activity source, the system first searches for the activity source on the combination of the fields starting from company, business unit, supplier, and item number, and then narrowing down to a combination of three of these fields, then two, and eventually to a single field. Once it completes this search, whether or not it determines a value on the basis of these fields, the system starts further search for the geographical preference established in terms of county, state, and country to determine the accurate activity source. To do this, it searches for the activity source starting from county, state, and country, and then narrowing down to a combination of two of these fields, and finally to a single field until it finds the activity source.

Note: If the system does not find an activity source to the last search, or if it finds more than one activity source for the combination of all search criteria, it prompts the user to enter the activity source.

Forms Used to Work with Activity Source Preference

Form Name	Form ID	Navigation	Usage
Work with Activity Source Preference	W20S21A	Sustainability Framework Setup (G20S41), Activity Source Preference.	Review the activity source preferences set up for a company, business unit, supplier, item number, county, state, or country, or for a combination of any of these.
Activity Source Preference Revision	W20S21B	Click Add on the Work with Activity Source Preference form.	Enter an activity source for either a company, business unit, supplier, an item number, county, country, or state, or for a combination of any of these fields to set it as the preferred activity source. The system uses this

Form Name	Form ID	Navigation	Usage
			preference to default the activity source when you are entering the sustainability details for a voucher.

4 Understanding the Sustainability Framework Integration with Vouchers

Understanding the Voucher Entry in Sustainability Framework

The JD Edwards Sustainability Framework integrates with JD Edwards EnterpriseOne Accounts Payable and EnterpriseOne Procurement systems with which it can record the activity data related to sustainability while creating vouchers. This data is crucial for emission calculations which in turn ensures accurate and comprehensive reporting of sustainability-related activities.

These programs support the data recording for Sustainability:

- Standard Voucher Entry (P0411) for direct entry of vouchers.
- Voucher Match (P4314) for two-way and three-way voucher match.

These programs enable you to associate sustainability-related activity data with the corresponding transactions, and store it in the Sustainability Activity Ledger (F20S11) for tracking and reporting purposes.

Setting Up MBF for Sustainability Framework

The purpose of a master business function (MBF) is to provide a central location for standard business rules about performing certain tasks such as entering vouchers, invoices, and journal entries in any module. Master business functions contain processing options. You complete the MBF processing options, and then specify the version of the MBF that you want the system to use in the processing options of the program that use the MBF.

Understanding the Sustainability Framework Master Business Function

The Sustainability Framework MBF (P20S12) is used by these programs:

- Sustainability Activity Ledger (P20S11)
- Standard Voucher Entry (P0411)
- Voucher Match (P4314)

You must have specified appropriate version for the programs that use the Sustainability Framework MBF program. If you do not specify any version, the system uses the **ZJDE0001** version.

Setting Processing Options for Sustainability Framework MBF (P20S12)

Processing options enable you to specify the default processing for programs and reports.

Default

1. Activity Date

Specify the date to be used to indicate when an activity or event occurred. Values are:

Blank: Use the system date

1: Use the G/L date

2: Use the invoice date

> **Note:** This processing option is applicable for Standard Voucher Entry and the Voucher Match programs.

2. Document Type

Enter a value from UDC 00/DT to specify the default document type for the manual entry of a sustainability activity. If you leave this processing option blank, the system assigns the default value of **SA**(Sustainability Activity).

Workflow

1. Approval Workflow

Use this processing option to activate the Sustainability Framework Approval Workflow (K20S0011A). You must have the specific version of the Approval workflow activated using the Object Management Workbench (OMW) or the Orchestrator Studio. Values are:

Blank: Do not activate the workflow.

1: Activate the workflow.

2. Parent Address Number

Enter a number that identifies an entry in the Address Book system, such as employee, applicant, participant, customer, supplier, tenant, or location. If left blank, the system takes the originator address number for the distribution list.

3. Structure Type

Enter a value from UDC 01/TS that identifies a type of organizational structure that has its own hierarchy in the Address Book system, such as an e-mail. If you leave this blank, the system takes SF as the default value.

Audit

1. Audit History

Use this processing option to specify whether or not to activate the audit history. Values are:

Blank: Do not activate the audit history.

1: Activate the audit history.

Understanding How to Work with Voucher Entry in Sustainability Framework

To enter a voucher for the payment of an item with environmental impact and to record the activity data, you can use the ZJDE0019 version of the Standard Voucher Entry program (P0411) from the Sustainability Framework Composed page. During the voucher creation process, you can assign an activity source, which automatically retrieves the associated activity type and scope from the Activity Source Header table (F20S07) and applies these details to the voucher.

If the **Default Activity Source** processing option on the Sustainability tab is set to 1, the system retrieves the activity source based on the activity source preference from the Activity Source Preference table (F20S21) that you would have set up using the Activity Source Preference program. You can then review and verify the activity source and resource quantity, and also modify it, if required. Additionally, you can enter the emission details provided by the supplier. The system stores this information in the Sustainability Activity Ledger (F20S11).

If you have the segregated values of emissions for the sustainability activity, you can select the Emissions option on the Row menu to record the emissions data such as, emissions quantity, emission UoM, and CO2e emission. For example, a natural gas supplier may provide an invoice with details of emissions from gas production. You can record both the gas consumption data and the associated emission details as the activity data. The system stores these granular level emissions in the Emissions table (F20S12).

Forms Used to Work with Standard Vouchers in Sustainability Framework

Form Name	Form ID	Navigation	Usage
Supplier Ledger Inquiry	W0411G	Sustainability Framework Processing (G20S10), Standard Voucher Entry. Alternatively, select Standard Voucher Entry from the Sustainability Framework Composed page.	Locate and review vouchers.
Enter Voucher - Payment Information	W0411A	Click Add on the Supplier Ledger Inquiry form.	Enter the voucher for the invoices received.
G/L Distribution	W0411K	Click OK on the Enter Voucher - Payment Information form.	Enter the GL distribution details and the environmental details in the Activity Source and Item Number fields. The

Form Name	Form ID	Navigation	Usage
			system stores the environmental details for the voucher to be later used for assessing the sustainability parameters.
Emissions	W20S11D	After entering the environmental data on the G/L Distribution form, select Emissions from the Row menu.	Enter the emission details for the emission types applicable for the sustainability record.

Setting Processing Options for the Standard Voucher Entry Program (P0411)

Processing options enable you to specify the default processing for programs and reports. When you have the Sustainability Framework module enabled, you can set up the processing options on the Sustainability tab of the Standard Voucher Entry program.

Sustainability

1. Sustainability Activity Ledger MBF (P20S12) version
Enter the version of the Sustainability Framework MBF Processing Options program (P20S12). If you leave this processing option blank, the system uses the default version ZJDE0001.

2. Sustainability Activity Ledger (P20S11) version
Enter the version of the Sustainability Activity Ledger program (P20S11). If you leave this processing option blank, the system uses the default version ZJDE0001.

3. Default Activity Source
Use this processing option to specify how the system should select the activity source in the sustainability activity transaction. Valid values are:

Blank: Enter the activity source.

1: Use the activity source preference based on company, business unit, supplier, and item number as specified in the Activity Source Preference program (P20S21).

> **Note:** See also *"Setting Processing Options for Standard Voucher Entry (P0411)" in the JD Edwards EnterpriseOne Applications Accounts Payable Implementation Guide*

Entering Sustainability Activity Record Using the Standard Voucher Entry (P0411)

Access the G/L Distribution form.

Note: Enter the GL details for the voucher and then enter the Sustainability details in the fields provided.

Activity Source
Enter an entity that uniquely identifies a source responsible for emissions resulting from energy consumption or production in an activity. In other words, it is a combination of activity type and its determinants that help in selection of the appropriate emission factor for the calculation of emission.

Scope
Enter a user-defined code that indicates the emission scope as defined by the GHG Protocol.

Scope Category
Enter a value from UDC 20S/SC that indicates the reporting category listed in Scope 3.

Activity Date
Enter the date on which the activity or event occurred.

Resource Quantity
Enter a value that identifies the quantity of resource, such as fuel and energy associated with the activity.

Distance
Enter a value that identifies the distance associated with the activity.

Distance UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the distance associated with the activity is measured.

Resource Amount
Enter a value that identifies the amount associated with the activity.

Resource Amount Currency
Enter a code that identifies the currency of the amount associated with the activity.

Consumption Start Date
Enter the date on which the consumption of a particular fuel or energy resource begins.

Consumption End Date
Enter the date on which the consumption of a particular fuel or energy resource ends.

Data Quality
Enter a value that identifies the quality of data associated with the activity. For example, actual or estimate.

Meter Number
Enter a unique alphanumeric code assigned to a utility meter.

Total CO2e Emissions
Enter a value that identifies the total quantity of carbon dioxide (CO2) equivalent to emissions associated with the activity.

Total CO2e Emissions UoM

Enter a user-defined code (00/UM) that indicates the unit of measure in which the total carbon dioxide equivalent to emissions is measured.

CO2 Emissions
Enter a value that identifies the quantity of carbon dioxide (CO2) emissions associated with the activity.

CO2 Emissions UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the CO2 emission is measured.

Energy
Enter a value that identifies the total energy consumption associated with the activity.

Energy UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the energy is measured.

State
Enter a user-defined code (00/S) that specifies the state or province where the environmental activity happened.

County
Enter the name of the county where the environmental activity happened.

Country
Enter a user-defined code (00/CN) that identifies the country where the environmental activity happened.

> **Note:** The system retrieves the values in the State, County, and Country fields from the address number associated with the business unit. However, you can change them on an as-need basis.

Access the Emissions form.

Emission Type
Enter a value from UDC 20S/ET that indicates the type of greenhouse gas or air pollutant emitted from the activity that is impacting the environment. You can specify multiple emissions for an activity.

Emission Quantity
Enter a value that identifies the quantity of emissions associated with the activity.

Emission UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the emission is measured.

Emission Factor
Enter a value that identifies the emission factor of the emission type. For example, for 10.18 KG/GA emission value, 10.18 is the emission type.

Emission Factor UoM
Enter a user defined code (00/UM) that indicates the unit of measure in which the emission factor is measured for the fuel. For example, for 10.18 KG/GA emission value, GA is the UoM of the emission.

Emission Factor Per Unit UoM
Enter the unit of measure associated with the per unit mass or volume of emission to which the emission factor is calculated. For example, for 10.18 KG/GA emission, GA is the per unit UoM.

Emission Factor Per Currency Code
Enter the unit of measure associated with the per unit amount of emission to which the emission factor is calculated.

Factor Source

Enter the value that identifies the source of the emission factor, for example, EPA, UK, LCA, Supplier Emission Intensity and Item Carbon Footprint.

Global Warming Potential
Enter the global warming potential of the emissions.

CO2e Emissions
Enter a value that identifies the carbon dioxide (CO2) equivalent to emissions associated with the activity.

Total CO2e Emissions UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the carbon dioxide equivalent to emissions is measured.

> **Note:** Total CO2e Emissions, CO2 Emissions, Energy fields and also their UoM fields are all optional fields that the system uses to store calculated emission.

Understanding How to Work with Voucher Match

When performing a voucher match for the payment of an item with an environmental impact, you can record the activity data using the Voucher Match program (P4314). This can be done for both two-way and three-way vouchers. To do this, access the ZJDE0020 version of the Voucher Match program from the Sustainability Framework page.

During the voucher match process, you can assign an activity source, which in turn automatically retrieves the related activity type and scope from the Activity Source Header table (F20S07) and applies them to the voucher. If the Default Activity Source processing option on the Sustainability tab is set to 1, the system retrieves the activity source based on the activity source preference from the Activity Source Preference table (F20S21) that you would have set up using the Activity Source Preference program. You can then review and verify the activity source and resource quantity, and also modify it, if required. You can also input emission details provided by the supplier, which are stored in the Sustainability Activity Ledger (F20S11).

For more detailed emission data, you can select the Emissions option from the Row menu to enter emissions such as quantity, UoM, and CO2e emissions. These details are stored in the Emissions table (F20S12).

Forms Used to Work with Voucher Match in Sustainability Framework

Form Name	Form ID	Navigation	Usage
Supplier Ledger Inquiry	W0411G	Sustainability Framework Processing (G20S10), Voucher Match. Alternatively, select Voucher Match from the Sustainability	Locate and review vouchers.

Form Name	Form ID	Navigation	Usage
		Framework Composed page.	
Voucher Match	W4314A	Click Add on the Supplier Ledger Inquiry form.	Enter the supplier and invoice details to create a voucher.
Select Receipts to Match	W4314B	Select Receipts to Match from the Form menu on the Voucher Match form.	Select the receipts to match to the voucher.
Select Orders to Match	W4314C	Select Orders to Match from the Form menu on the Voucher Match form.	Select the orders to match to the voucher.
Voucher Match	W4314A	Click OK on the Select Receipts to Match form.	Enter the environmental details in the Activity Source and Resource Activity fields for the item. Based on the setting in the Default Activity Source processing option, the system defaults these activity details that you can review on this form. The system stores the environmental details for the voucher to be later used for assessing the sustainability parameters.
Emissions	W20S11D	Select a voucher and select Emissions from the Row menu on the Voucher Match form.	Enter the emission details for the emission types applicable for the sustainability record.

Setting Processing Options for the Voucher Match Program (P4314)

Processing options enable you to specify the default processing for programs and reports. When you have the Sustainability Framework module enabled, you can set up the processing options on the Sustainability tab of the Voucher Match program.

Sustainability

1. Sustainability Activity Ledger MBF (P20S12) version

Enter the version of the Sustainability Framework MBF Processing Options program (P20S12). If you leave this processing option blank, the system uses the default version ZJDE0001.

2. Sustainability Activity Ledger (P20S11) version

Enter the version of the Sustainability Activity Ledger program (P20S11). If you leave this processing option blank, the system uses the default version ZJDE0001.

3. Default Activity Source

Use this processing option to specify how the system should select the activity source in the sustainability activity transaction. Valid values are:

Blank: Enter the activity source.

1: Use the activity source preference based on company, business unit, supplier, and item number as specified in the Activity Source Preference program (P20S21).

> **Note:** See also *"Setting Processing Options for Voucher Match (P4314)" in the JD Edwards EnterpriseOne Applications Procurement Management Implementation Guide*

Entering Sustainability Activity Record Using Voucher Match (P4314)

Access the Voucher Match form.

> **Note:** Enter the voucher details and then enter the Sustainability details in the fields provided. To review the field descriptions applicable for Sustainability, see *Entering Sustainability Activity Record Using the Standard Voucher Entry (P0411)*.

5 Working with the Sustainability Activity Ledger

This section provides an overview of how to work with the Sustainability activity ledger and discusses how to:

- Enter a Sustainability activity record in the activity ledger.
- Set processing options for the Sustainability Activity Ledger program (P20S11).

Understanding How to Work with the Sustainability Activity Ledger

JD Edwards Sustainability Framework keeps a record of an event or activity that impacts the environment such as stationary combustion, from various business processes, and stores it in a repository called the Sustainability Activity Ledger (F20S11). The Sustainability Activity Ledger Program (P20S11) enables you to directly enter, modify, and manage sustainability activity records, including the quantities of resources consumed and the resulting emissions. With the Import Grid Data functionality, you can also use this program to mass upload the activity records directly from a spreadsheet.

You can also use this program to view and modify the sustainability activity records that were created using other applications such as Standard Voucher (P0411) and Voucher Match (P4314). This ensures that all sustainability-related events, including the ones that are manually tracked, are accurately recorded and accounted for thus maintaining the completeness of sustainability reporting. The ability to directly input and manage records is critical for organizations aiming to ensure compliance with environmental regulations and meet sustainability goals.

When you enter the activity source in the Sustainability Activity Ledger Program (P20S11), the system based on the setup, displays by default the related information such as the activity type, scope, and other associated details. After this, you can manually enter the resource quantity and verify the other details to ensure accuracy before you save the record. You can access the Emissions form from the Row menu to enter the emissions for the activity. You can use this program to copy a sustainability record and then make changes to it on an as-need basis. You can also use this program to void records to reverse activities if required. When you void an activity, the system marks it as V for voided and creates a reversal entry in the Sustainability Activity Ledger.

You must set up the Sustainability Framework MBF (P20S12) version processing option for the Sustainability Activity Ledger program to inherit these processing options.

It is crucial to implement proper security controls for this program that ensure that only authorized personnel, such as the Sustainability Manager or Controller, have full access and control over the application. This ensures that sensitive sustainability data is managed securely and prevents unauthorized changes to the sustainability activity records.

Note: You can insert activity records into the Sustainability Activity Ledger via orchestration also.

Understanding the Audit History of Sustainability Activity Ledger (Release 9.2 Update)

The JD Edwards EnterpriseOne Sustainability Framework provides a method of tracking and reviewing changes made to the Sustainability activity record. With the appropriate processing option activated, the system creates a record for every change that you make to the record and enables you to review information about the changes when you access the Sustainability Activity Ledger - Audit History program (P20S13). With every change to a sustainability activity record, the system creates a corresponding audit record and assigns it a revision number that is a consecutive number starting from 1 which is assigned upon the creation of the record. This record also specifies the action code from UDC 20S/AC to indicate the action performed on the specific line.

The system stores the audit history for the activity records in the Activity Ledger Audit table (F20S13), and the audit history for emissions in the Emissions Audit table (F20S14).

Forms Used to Work with the Sustainability Activity Ledger

Form Name	Form ID	Navigation	Usage
Work with Sustainability Activity Ledger	W20S11A	Sustainability Framework Processing (G20S10), Sustainability Activity Ledger. Alternatively, select Sustainability Activity Ledger from the Sustainability Framework Composed page.	Review the sustainability activities and the associated details.
Sustainability Activity Ledger Revision	W20S11B	On the Work with Sustainability Activity Ledger form, click Add or select a record and select Revision from the Row menu.	Enter, modify, and manage sustainability activity records, including the quantities of resources consumed and their resulting emissions.
Emissions	W20S11D	On the Work with Sustainability Activity Ledger form, click Add or select a record and select Emissions from the Row menu. Alternatively, select	Review the emission types related to an activity type for the activity source stored in F20S06.

Form Name	Form ID	Navigation	Usage
		a record and select Emissions from the Row menu on the Sustainability Activity Ledger Revision form.	**Note:** To make changes to emissions for a sustainability document, you must access this form from the Row menu of the Sustainability Activity Ledger Revision form. You can then modify, delete, or add emissions for the document type. Ths syetm stores these changes in the F20S12 table.
Void Activity	W20S11C	On the Work with Sustainability Activity Ledger form, select an activity record and select Void Activity from the Row menu.	Void an activity and reverse it in the Sustainability Activity Ledger.

Entering the Sustainability Activity Record in the Activity Ledger

Access the Sustainability Activity Ledger Revision form.

Business Unit
Enter the business unit that reports the sustainbaility activity.
Activity Source
Enter a value for the activity source.

Scope
Enter a value that indicates the emission scope as defined by the GHG Protocol.

Scope Category
Enter a value from UDC 20S/SC that indicates the reporting category listed in Scope 3.
Activity Date
Enter the date on which the activity or event occurred.

Resource Quantity
Enter a value that identifies the quantity of resource, such as fuel and energy associated with the activity.

Resource UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the resource associated with the activity is measured.

Distance
Enter a value that identifies the distance associated with the activity.

Distance UoM

Enter a user-defined code (00/UM) that indicates the unit of measure in which the distance associated with the activity is measured.

Resource Amount
Enter a value that identifies the amount associated with the activity.

Resource Amount Currency
Enter a code that identifies the currency of the amount associated with the activity.

Item Number
Enter a number that the system assigns to an item. This value can be in short, second item, or third item number format.

Supplier
Enter a number that identifies an entry in the Address Book system, such as an employee, applicant, participant, customer, supplier, tenant, or a location.

Consumption Start Date
Enter the date on which the consumption of a particular fuel or energy resource begins.

Consumption End Date
Enter the date on which the consumption of a particular fuel or energy resource ends.

Meter Number
Enter a unique alphanumeric code assigned to a utility meter.

Data Quality
Enter a value that identifies the quality of data associated with the activity. For example, actual or estimate.

Total CO2e Emissions
Enter a value that identifies the total quantity of carbon dioxide (CO2) equivalent to emissions associated with the activity.

Total CO2e Emissions UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the total carbon dioxide equivalent to emissions is measured.

CO2 Emissions
Enter a value that identifies the quantity of carbon dioxide (CO2) emissions associated with the activity.

CO2 Emissions UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the CO2 emission is measured.

Energy
Enter a value that identifies the total energy consumption associated with the activity.

Energy UoM
Enter a user-defined code (00/UM) that indicates the unit of measure in which the energy is measured.

State
Enter a user-defined code (00/S) that specifies the state or province where the environmental activity happened.

County
Enter the name of the county where the environmental activity happened.

Country
Enter a user-defined code (00/CN) that identifies the country where the environmental activity happened.

Note: The system retrieves the values in the State, County, and Country fields from the address number associated with the business unit. However, you can change them on an as-need basis.

Remark
Enter an alphanumeric value to specify a remark or purpose.

Reference
Enter an alphanumeric value to specify any internal or external reference associated with the activity.

Note: Total CO2e Emissions, CO2 Emissions, Energy fields and also their UoM fields are all optional fields that the system uses to store calculated emission.

Access the Emissions form.

See the field descriptions for the Emissions form at *Entering Sustainability Activity Record Using the Standard Voucher Entry (P0411)*

Voiding the Sustainability Activity Record in the Sustainability Activity Ledger

Access the Void Activity form.

Void Date
Enter the date on which the activity ledger record is voided. You can only enter a date equal to or greater than the activity date.
Reason Code
Enter a value from user-defined table (20S/RC) to specify a reason for reversal or void of transaction.

Setting Processing Options for the Sustainability Activity Ledger Program (P20S11)

Processing options enable you to specify the default processing for programs and reports.

Defaults

1. Sustainability Framework MBF (P20S12) version
Enter the version of the Sustainability Framework MBF Processing Options program (P20S12). If you leave this processing option blank, the system uses the default version ZJDE0001.

Forms Used to Work with the Audit History of Sustainability Activity Ledger (Release 9.2 Update)

Form Name	Form ID	Navigation	Usage
Audit History	W20S13A	Sustainability Framework Processing (G20S10), Sustainability Activity Ledger - Audit History . Alternatively, on the Work with Sustainability Activity Ledger form, select a record and select Audit History from the Row menu.	Review the audit history of a Sustainability activity record.
Emissions Audit	W20S13B	On the Audit History form, select a record and select Emissions Audit from the Row menu.	Review the audit history of emissions for the sustainability activity record.

6 Understanding the JD Edwards EnterpriseOne Workflow for Sustainability Framework

Understanding the JD Edwards EnterpriseOne Workflow for Sustainability Framework

JD Edwards EnterpriseOne Sustainability Activity Workflow enables you to automate the high-volume intricate process of getting approvals on the sustainability records with environmental data into an email-based process flow. The sustainability activity records created in the Sustainability Framework that exceed the limit set for the Resource Quantity in the Threshold Value field of the Distribution List Control program (P02150) move from the user to the authorized approver as specified in the Address Number field of the program. The system sends the approval request to all approvers who are assigned as the approving authority starting from the bottom of the threshold value all the way to the maximum approving authority. For example, if the Threshold Value of 100 has the corresponding approver Address Number as 456789, and the Threshold Value of 200 has the corresponding approver Address Number as 123456, the system will send the approval request of a sustainability activity record with the quantity of 220 to the approver with address number 456789, and then to the approver with address number 123456. The approver must use the SF Generic Workflow (P20S01WF) to approve or reject a sustainability activity record.

With an automated and efficient process requiring minimal user involvement, you can streamline your sustainability processes, increase efficiency, and reduce the overall task time.

> **Note:** The specific version of the Sustainability Framework workflow must be activated through the Object Management Workbench (OMW) or Orchestrator Studio.

Delivered Workflow for JD Edwards EnterpriseOne Sustainability Framework

This section discusses the JD Edwards EnterpriseOne Sustainability Framework workflow.

> **Note:** *JD Edwards EnterpriseOne Tools Workflow Tools Guide* .

Description

Workflow Description

The system sends a workflow message to an approver when the user enters the Sustainability activity records through the Standard Voucher Entry (P0411), Voucher Match (P4314), or the Sustainability Activity Ledger (P20S11) program when the resource quantity (DETERQTY) exceeds the respective threshold value. When the workflow is triggered, the approval status (APPFLAG0) remains at a status of I (In Progress) and the user cannot modify the Sustainability activity

records until the approver approves or rejects the workflow. If the approver approves the workflow, the system changes the approval status of the activity transaction to A (Approved), and if rejected, the approval status of activity transaction changes to R (Rejected).

Workflow Trigger

A user creates a Sustainability activity using the version of Standard Voucher Entry (P0411), Voucher Match (P4314), or the Sustainability Activity Ledger (P20S11) program that has the Approval Workflow processing option set to 1 in the Sustainability Framework MBF (P20S12). The system selects the approver based on the values specified in the Parent Address Number and Structure Type processing options of the Sustainability Framework MBF.

Workflow Action

The approver of the Sustainability activity record receives in the Work Center either an email or a message, or both, with the sustainability activity information along with the shortcut link to an interactive application to approve or reject the activity record. When the approver clicks this link, the system displays the Workflow Approval form. The approver reviews the activity information and either approves or rejects it. To review the details about the records, the user can click on the hyperlink, which opens the Sustainability Activity Ledger program. When the approver takes an action, the system updates the status flag to A, if approved, or R, if rejected, and sends an acknowledgement via either email or the Work Center, or both, to the originator on the updated status of the activity record.

Workflow Objects

System
20S
Workflow Object Name
K20S0011A

Key Data Structure: WF20S0001A

Additional Data Structure: WF20S0001B

Event Description / Function Name
B20S0003- SFLedgerEndDoc

Structure Type
UDC 01/TS: SF (Sustainability Workflow)

UDC 02/MB: 31 (Sustainability Workflow)