

**PARTNER** 

## openSAP - Building Al and Sustainability Solutions on SAP BTP

# Week5 - Collaborative Enterprise Planning with SAP Analytics Cloud

## **Exercise04 - Sustainability Planning Story**

This document will guide you step by step on the process of creating sustainability planning story



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#### **DISCLAIMER**

All functionality presented here is subject to change and may be changed by SAP at any time for any reason without notice.

#### **OBJECTIVE**

The objective of this exercise is to provide the steps needed to create SAP Analytics Cloud story to plan and analyze key process indicators of sustainability

#### **SCENARIO**

This exercise follows the scenario you were introduced to in the demo Maintenance Cost & Sustainability Planning for Bagnoli & Co.

This exercise explains how to create SAP analytics cloud story to analyze the past performance of sustainability KPIs, how to predict energy rate utilizing the predictive capabilities of SAP analytics cloud and how to configure value driver tree to simulate the key components of sustainability.

#### **ENVIRONMENT ACCESS – SAP ANALYTICS CLOUD**

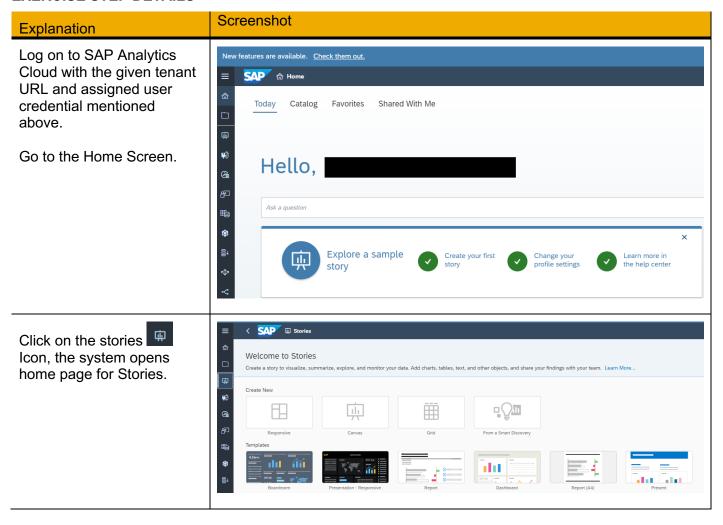
Before the exercise, please set up your SAP Analytics Cloud trial account via this tutorial: Set up your SAP Analytics Cloud Trial Account

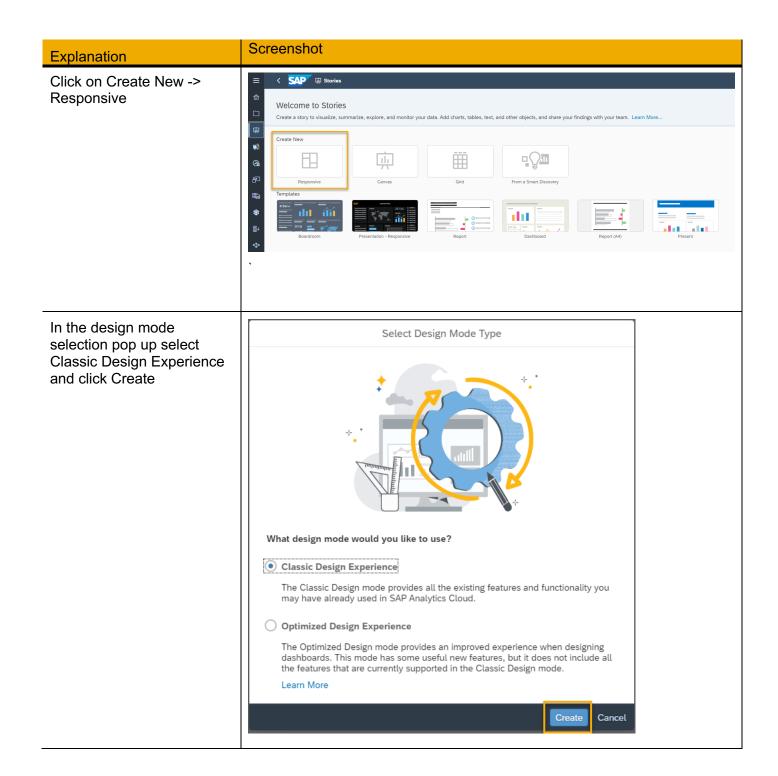
Please make sure you have already registered in order to be able to Try SAP Analytics Cloud for free

#### **PREREQUISITES**

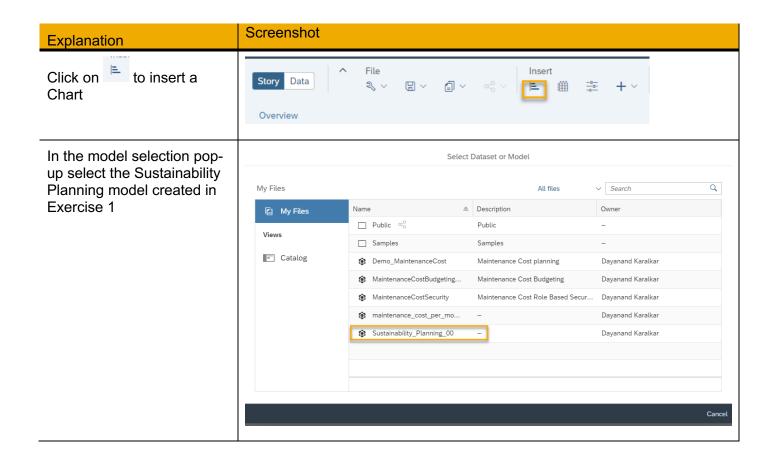
You have completed exercise 1, 2 and 3

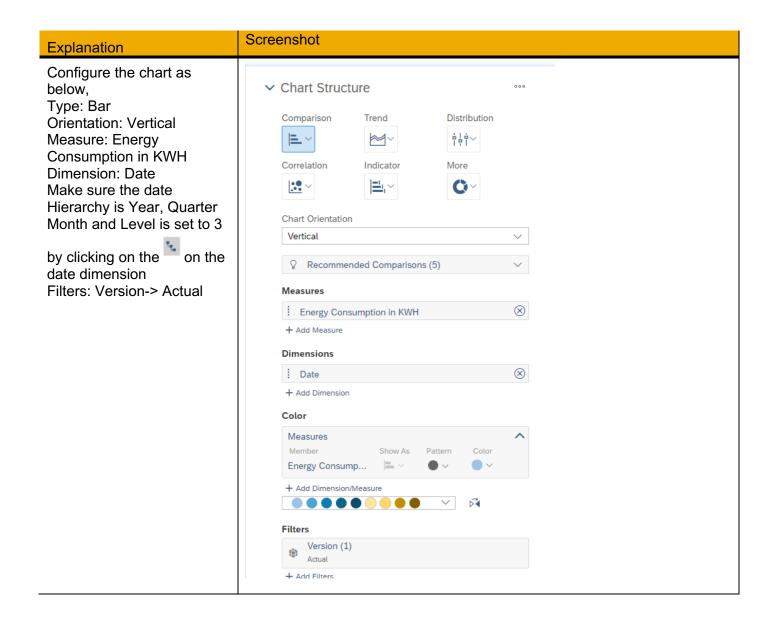
#### **EXERCISE STEP DETAILS**

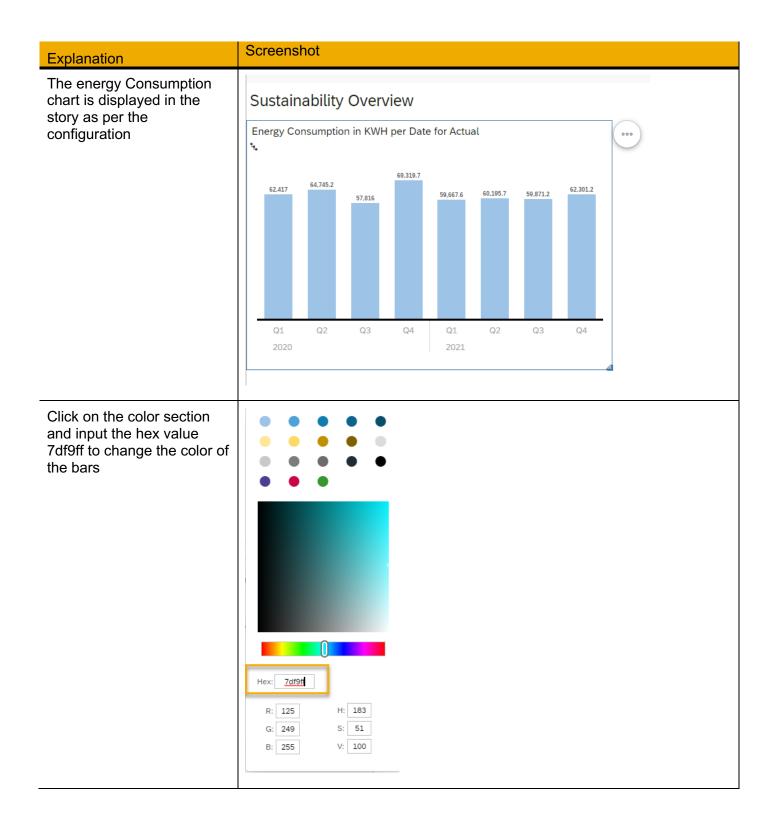


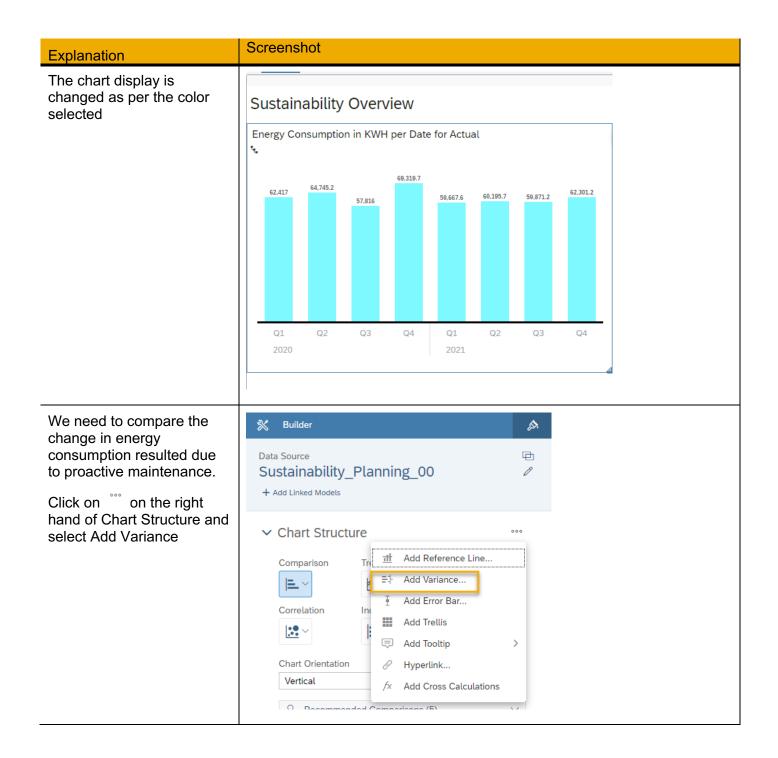


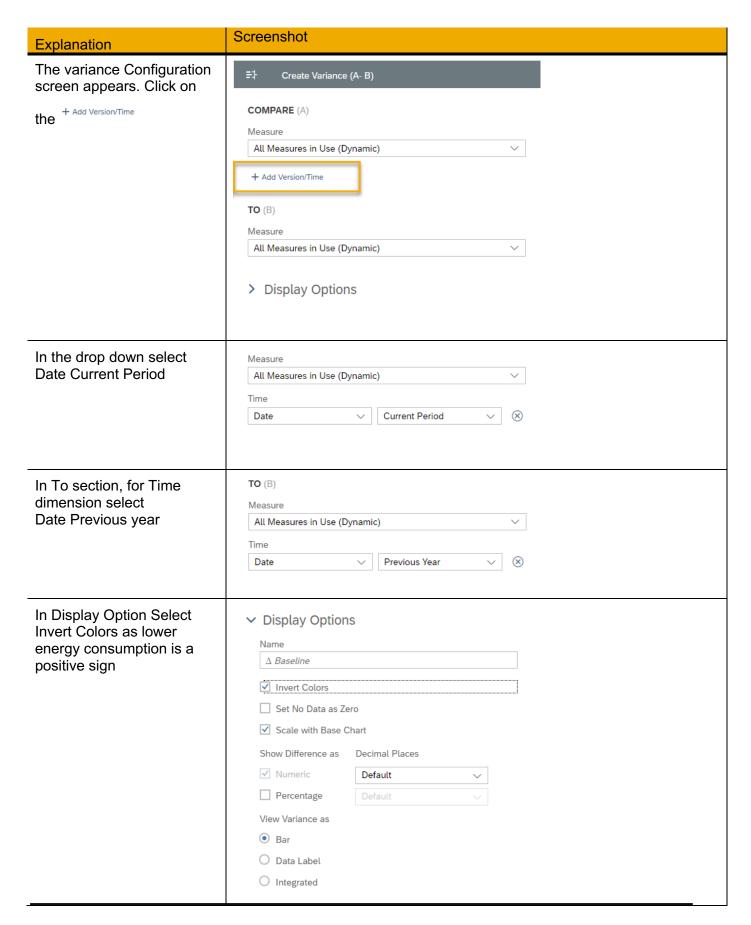
Explanation	Screenshot
Right Click on the right lane and choose Remove	+ Add lane >     Copy >     Edit Styling  Remove
Click on the Page 1 and select Rename	Page 1  Delete Copy Duplicate  Rename  Set as hidden Hide in mobile Move left Move right  Comment
Rename the page as "Overview" and click on Rename	Rename Page  Name  Overview  Rename  Cancel
Provide title "Sustainability Overview"	Story Data

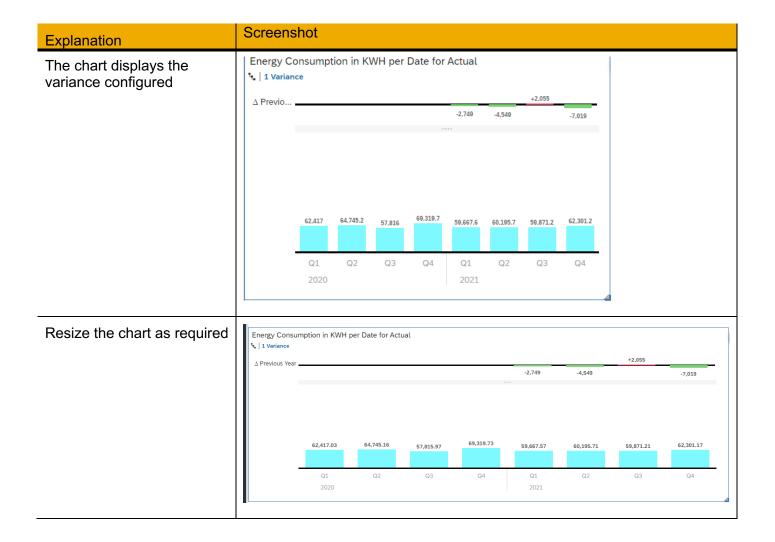


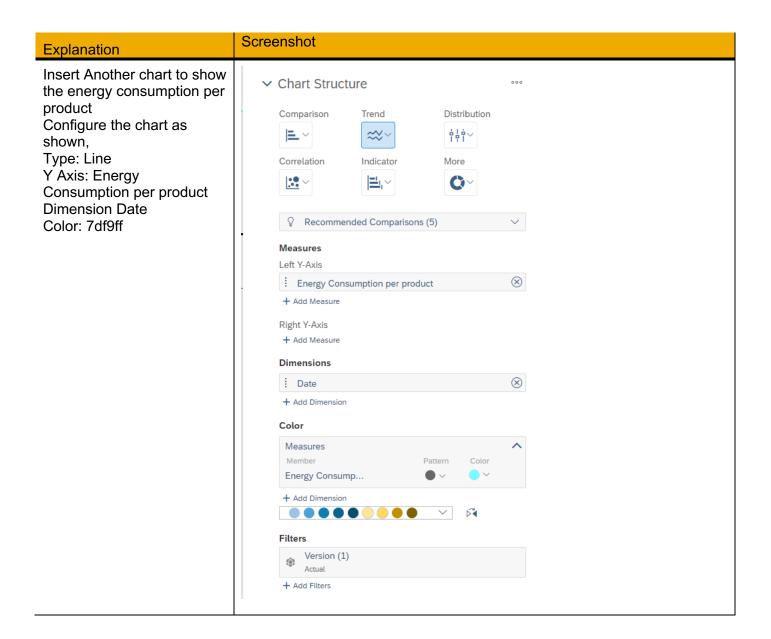


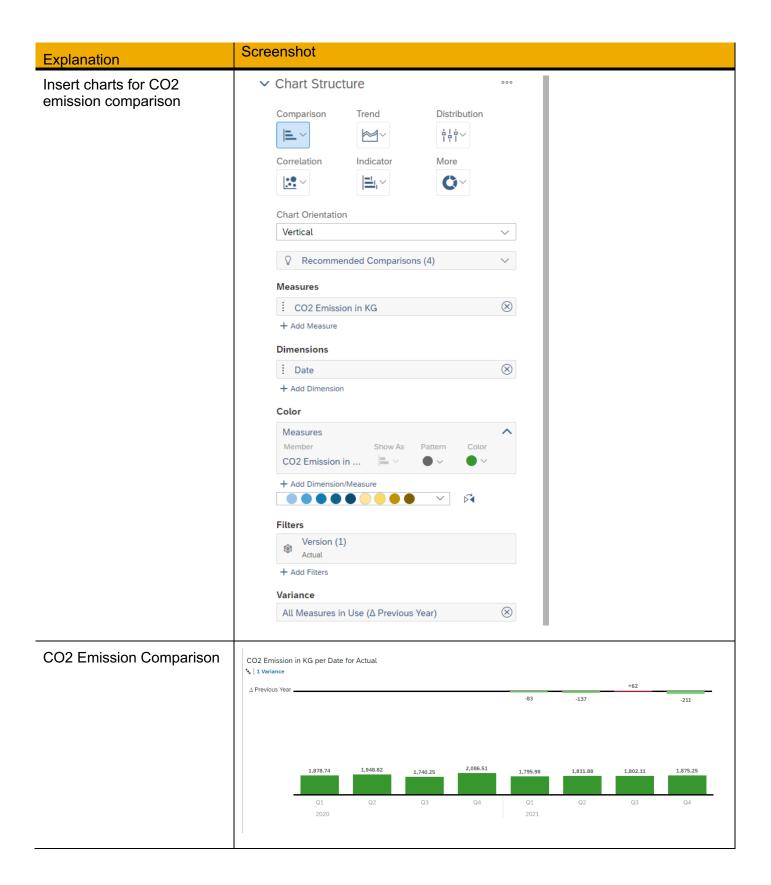


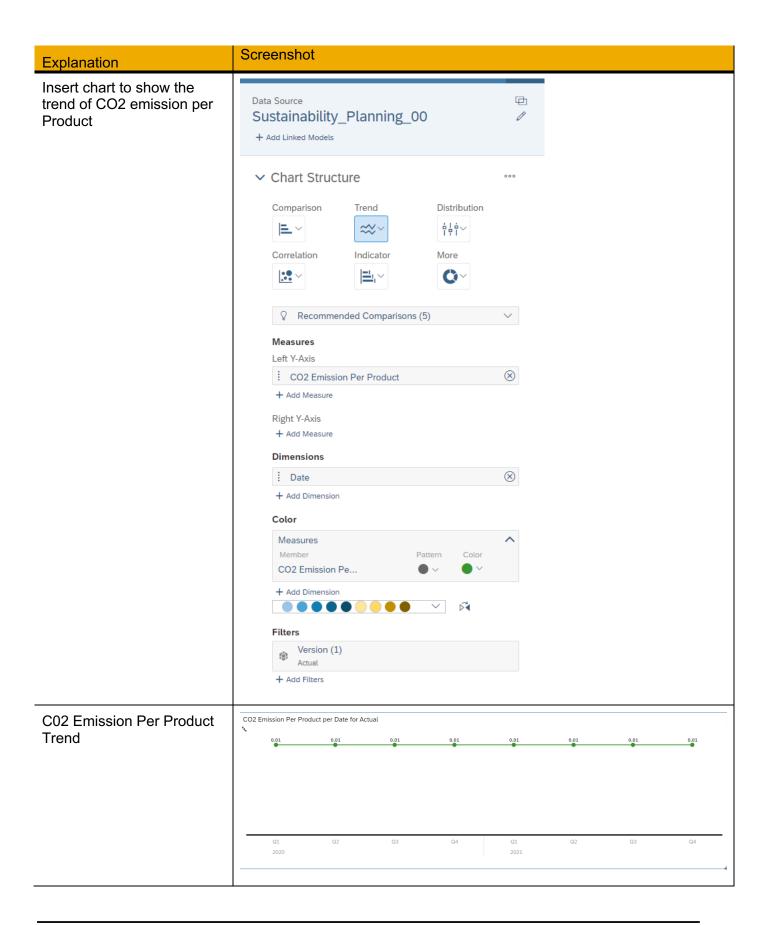




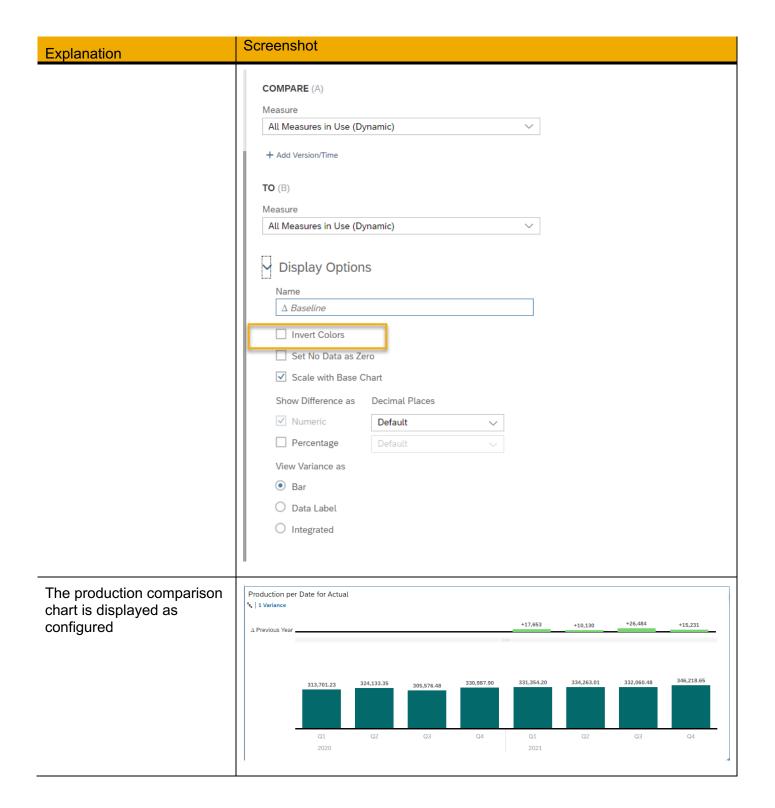


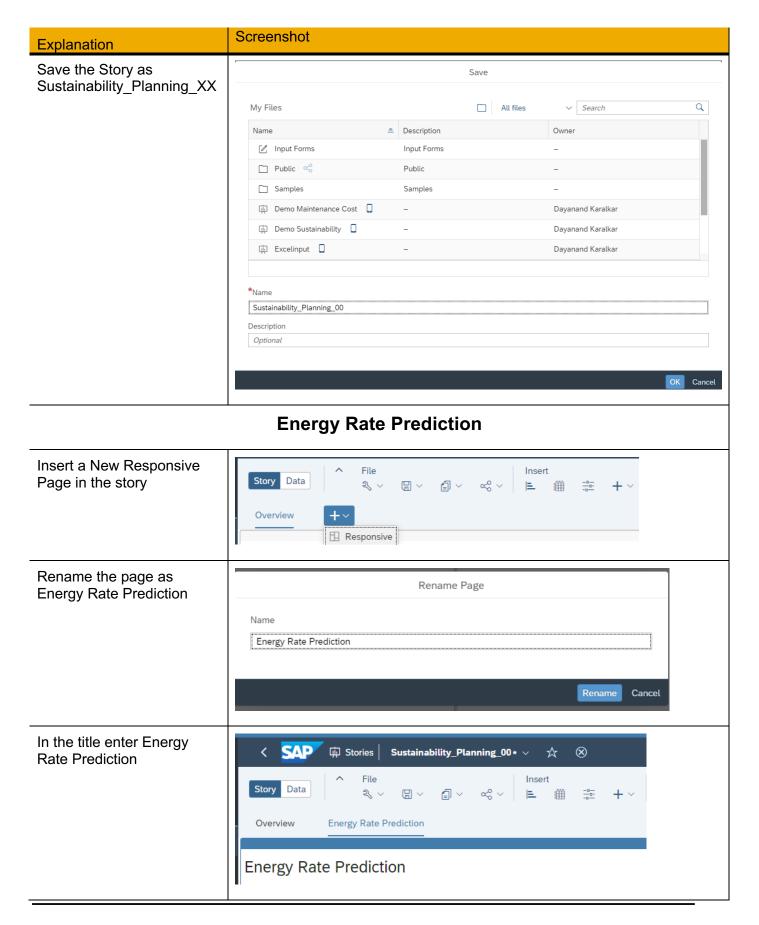


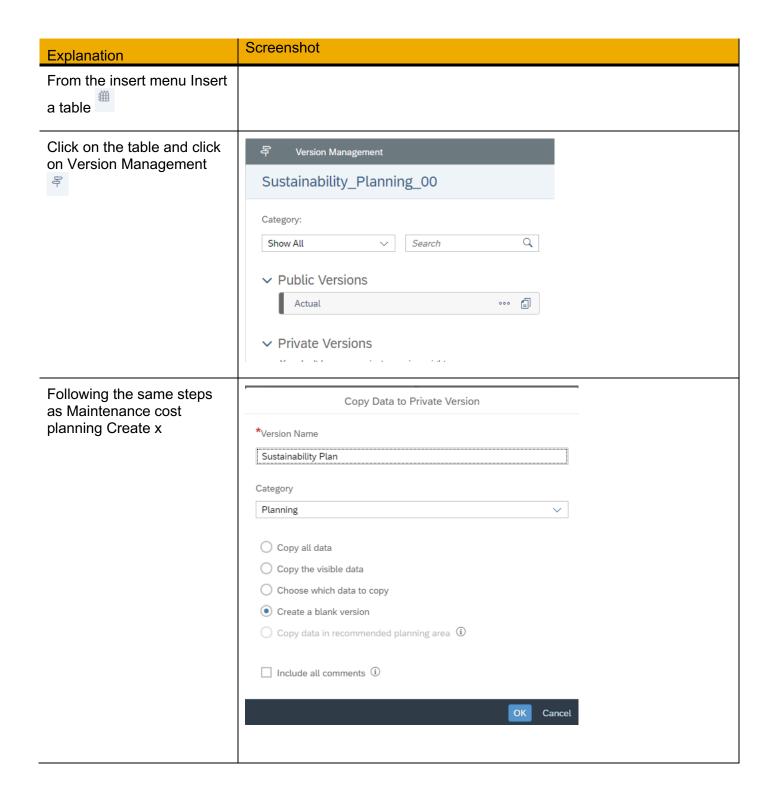


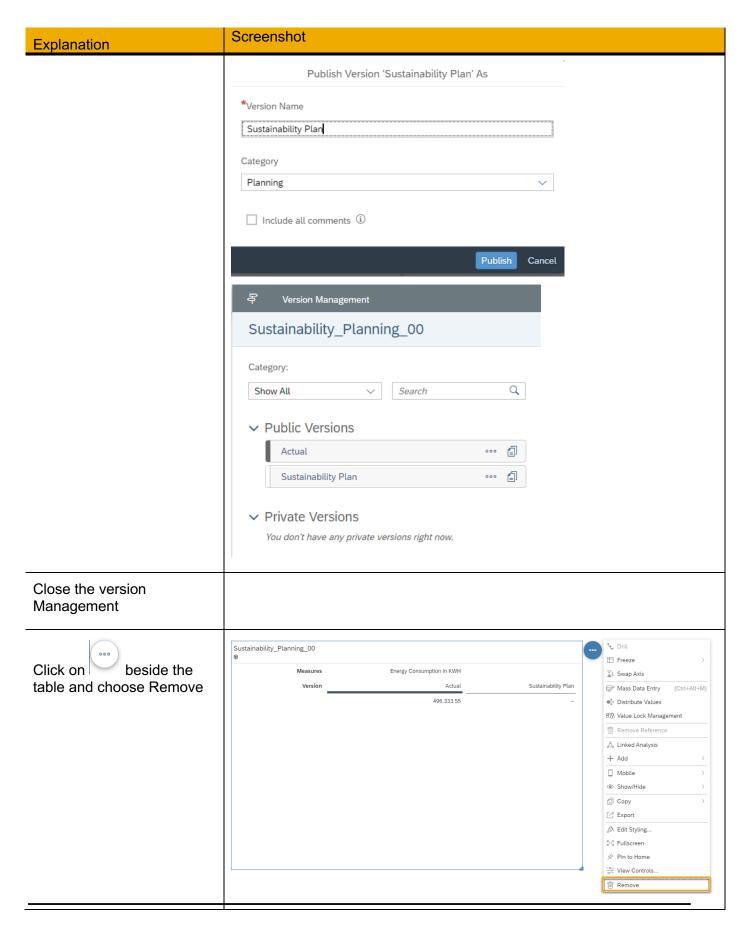


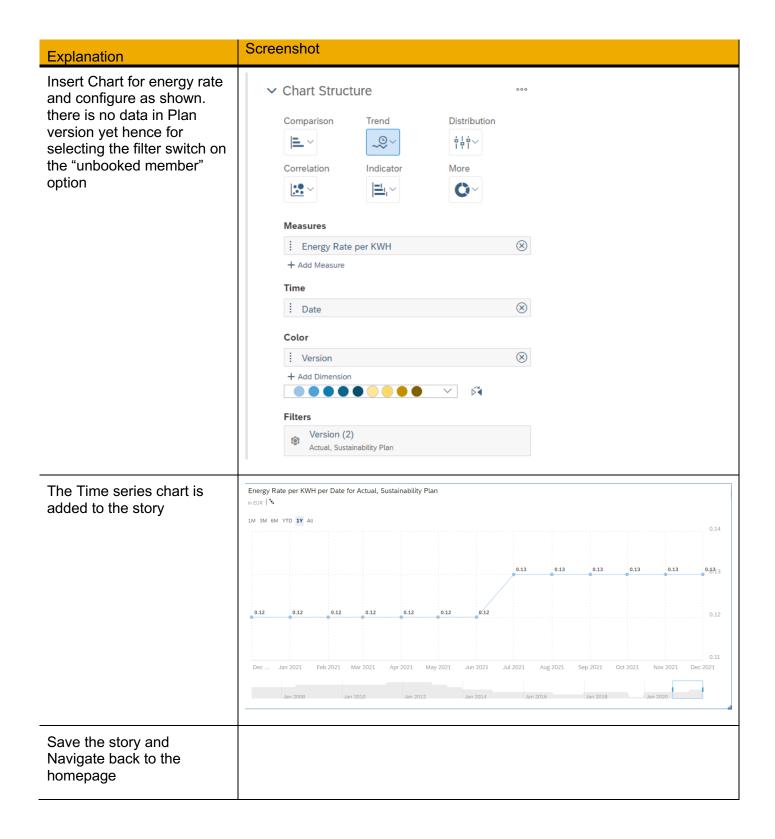
#### Screenshot **Explanation** Insert Chart to compare the Data Source • Production after the Sustainability\_Planning\_00 implementation of proactive maintenance + Add Linked Models → Chart Structure Comparison Distribution **L**~ 中中个 Correlation Indicator More **::** <u>=</u>1,~ Chart Orientation Vertical Recommended Comparisons (4) Measures $\otimes$ Production + Add Measure **Dimensions** $\otimes$ Date + Add Dimension Color Measures Member Production + Add Dimension/Measure **Filters** Version (1) Actual + Add Filters Variance All Measures in Use (Δ Previous Year) Untick the Invert colours as increase in production is a positive sign

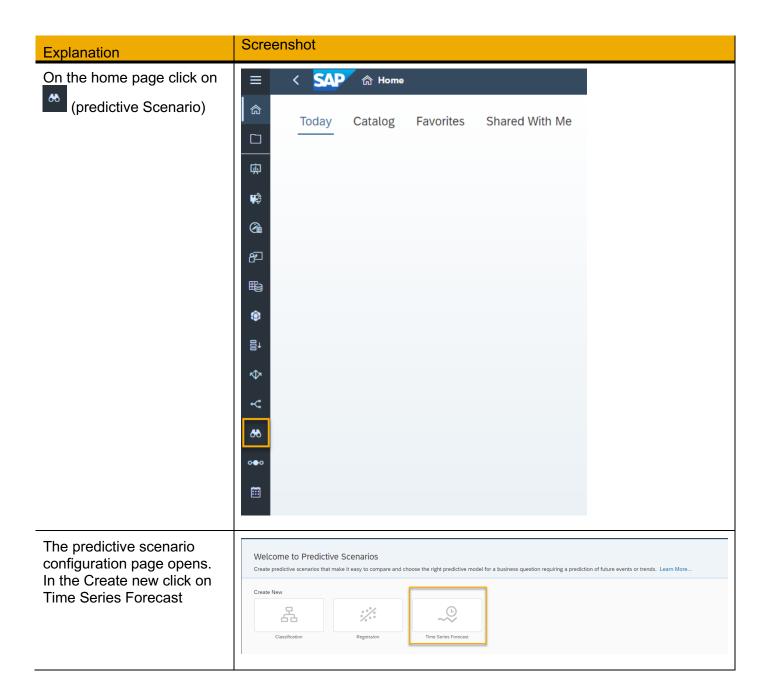


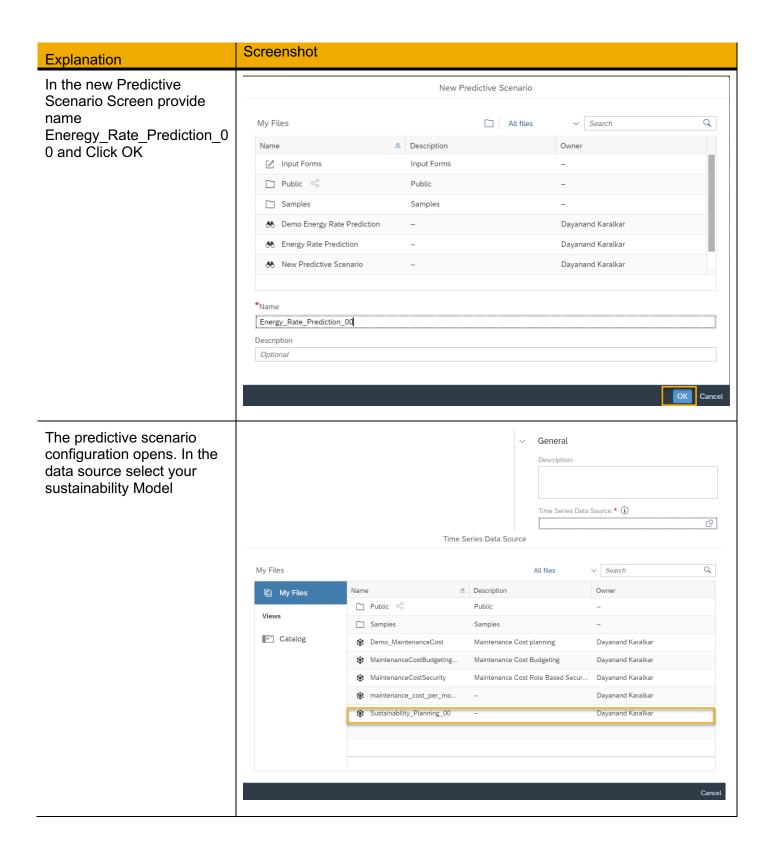


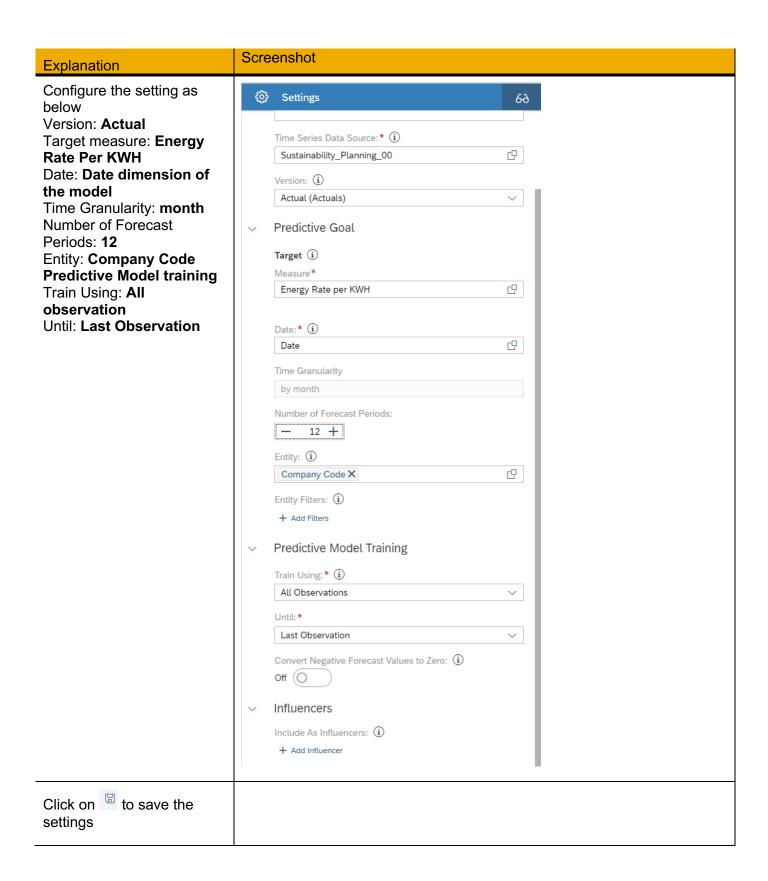


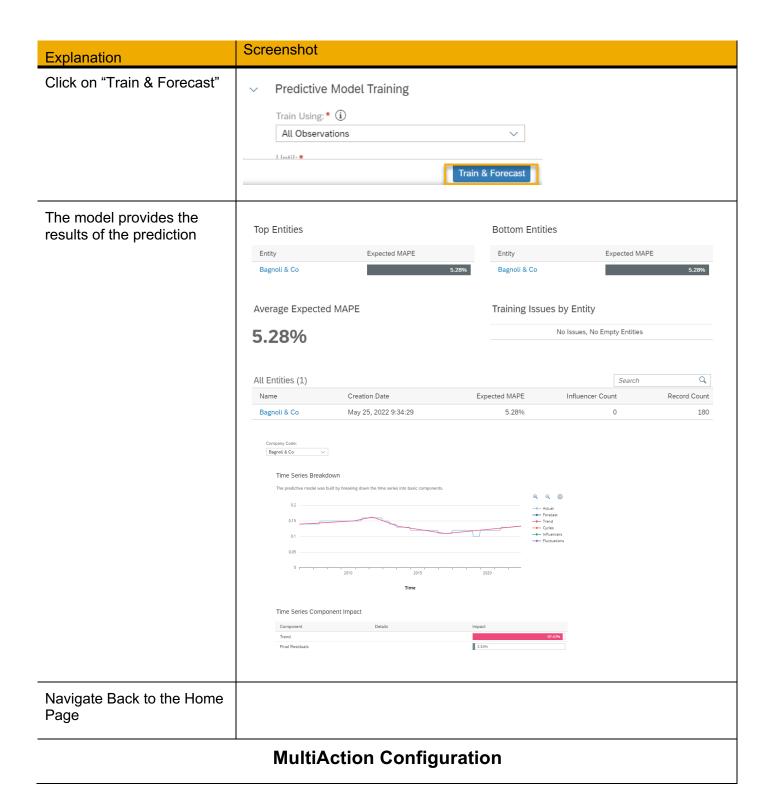


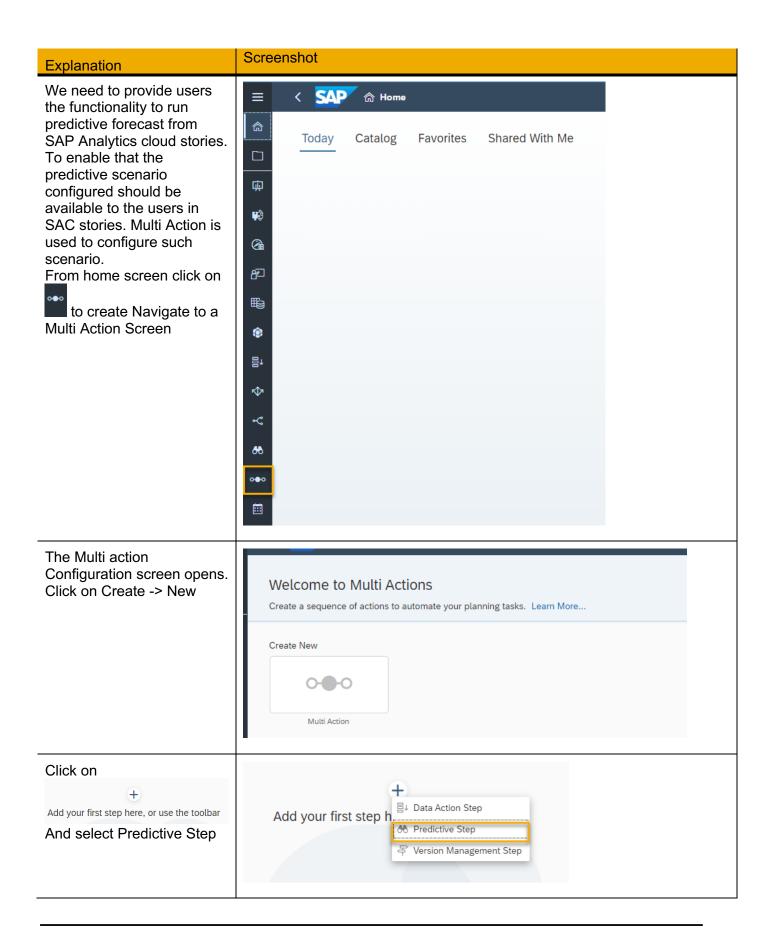


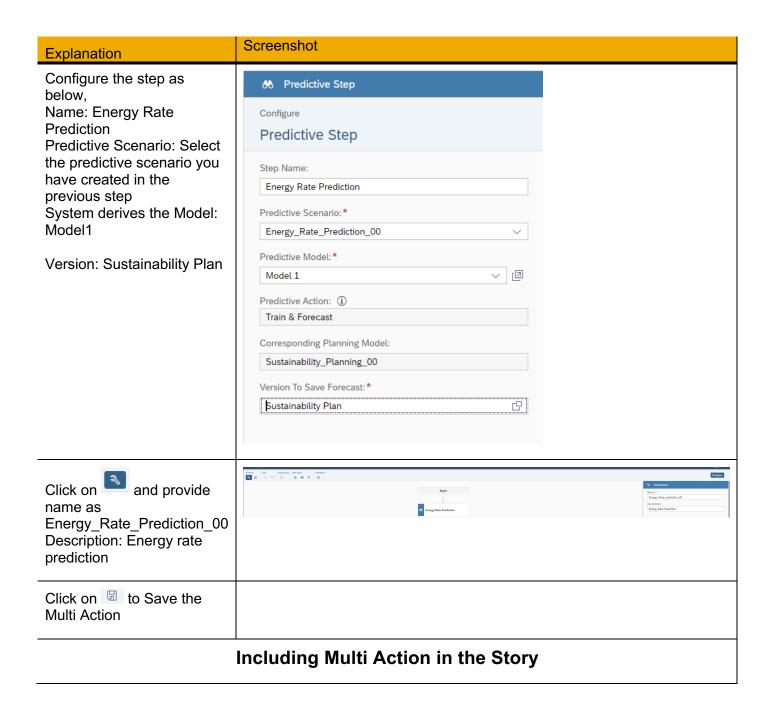


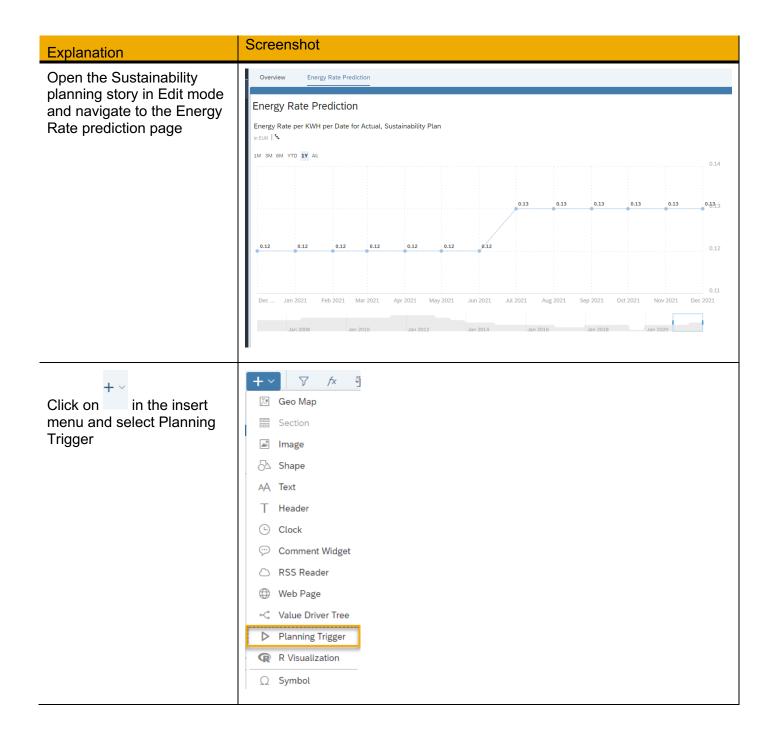


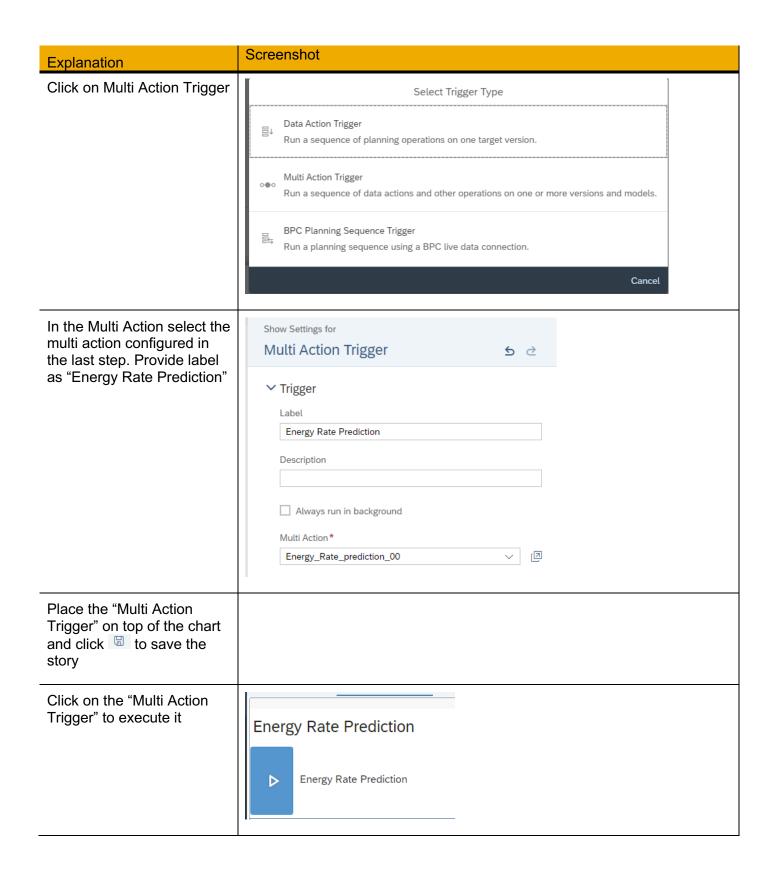


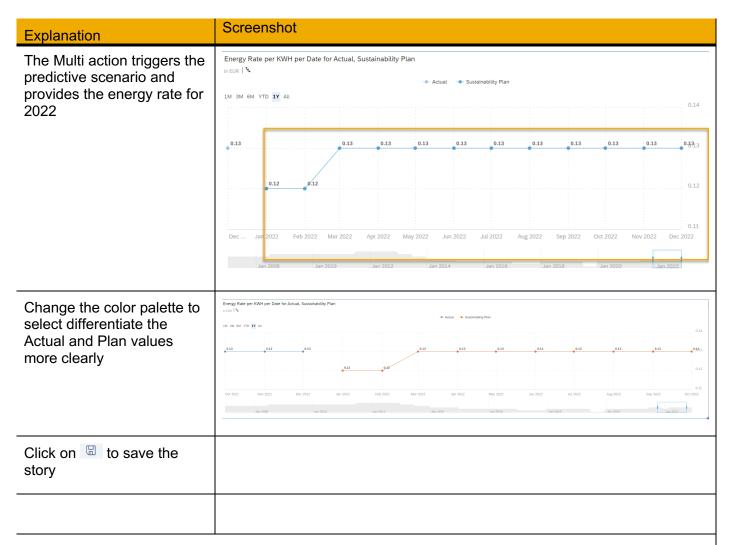










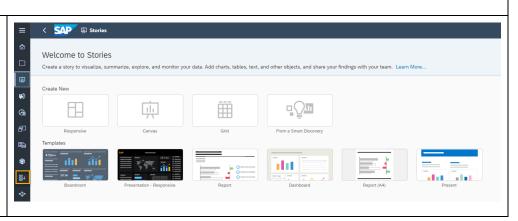


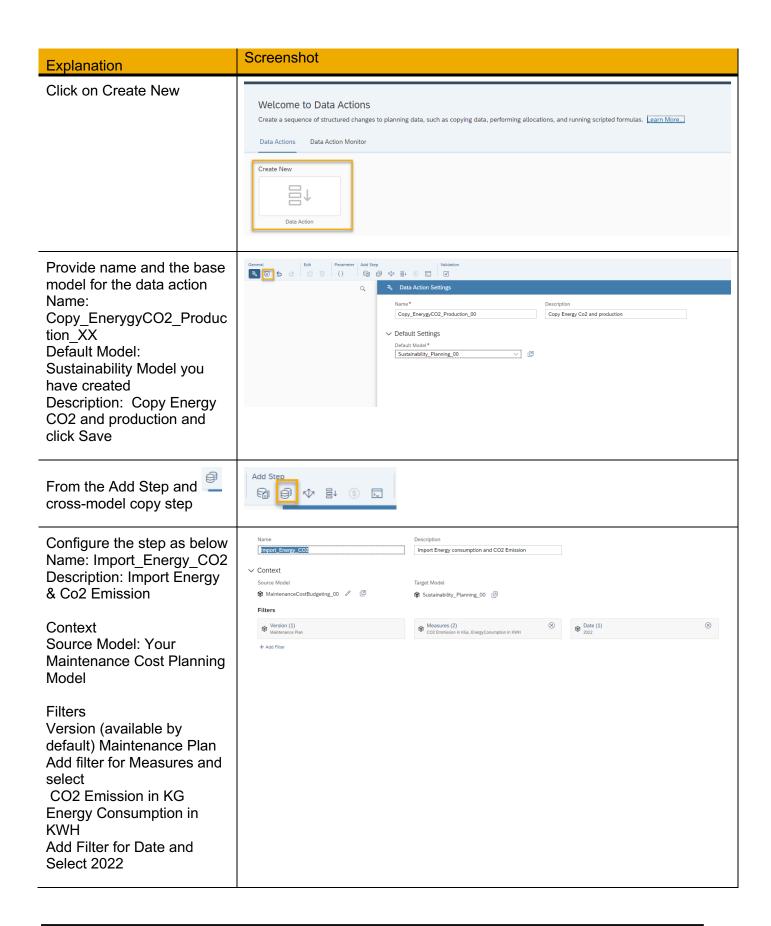
## **Collaboration with Maintenance Planning**

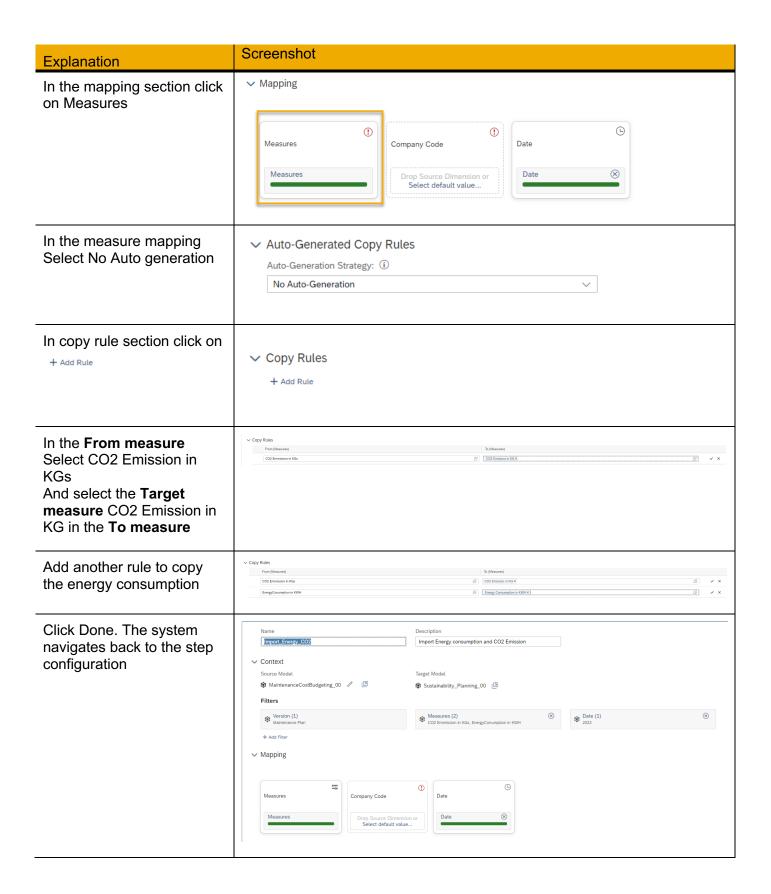
The Smart Factory application has provided us the energy consumption and C02 emission per equipment. We have loaded that data into the Maintenance Planning Model and created maintenance Plan. The sustainability Planner will get that plan and look at the impact of that plan on Sustainability KPIs.

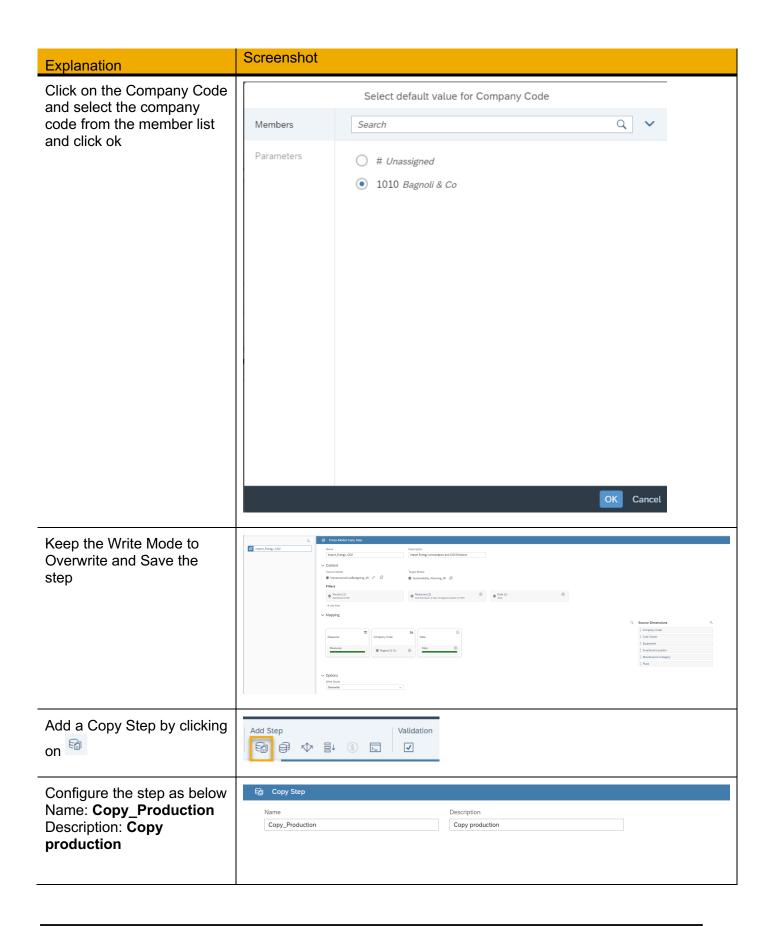
Also, the sustainability planner will plan the production based on the historical data. In this section we will configure Data actions to get the Energy Consumption from Maintenance Cost Planning and create production plan based on history

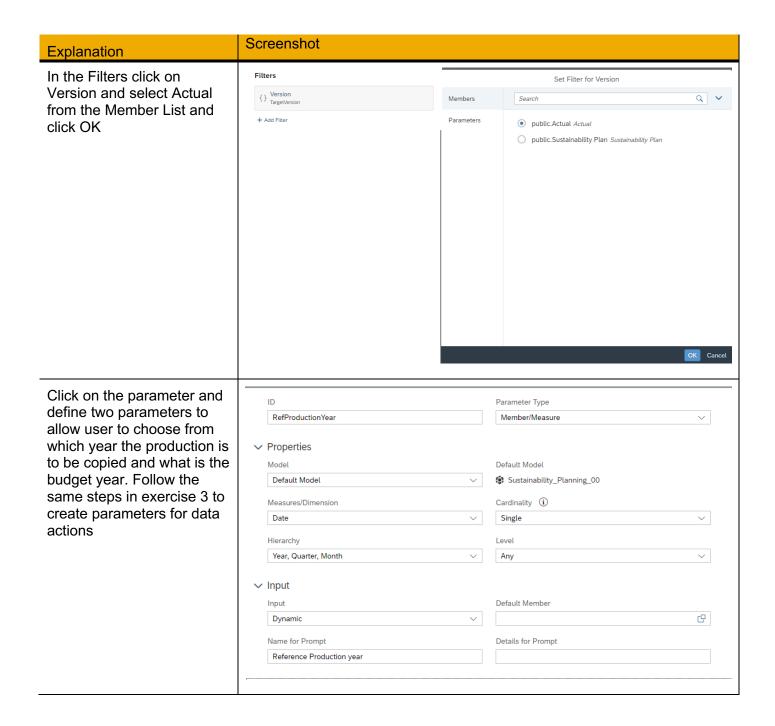
Click on Screen of SAP Analytics Cloud to Navigate to the Data Action Page

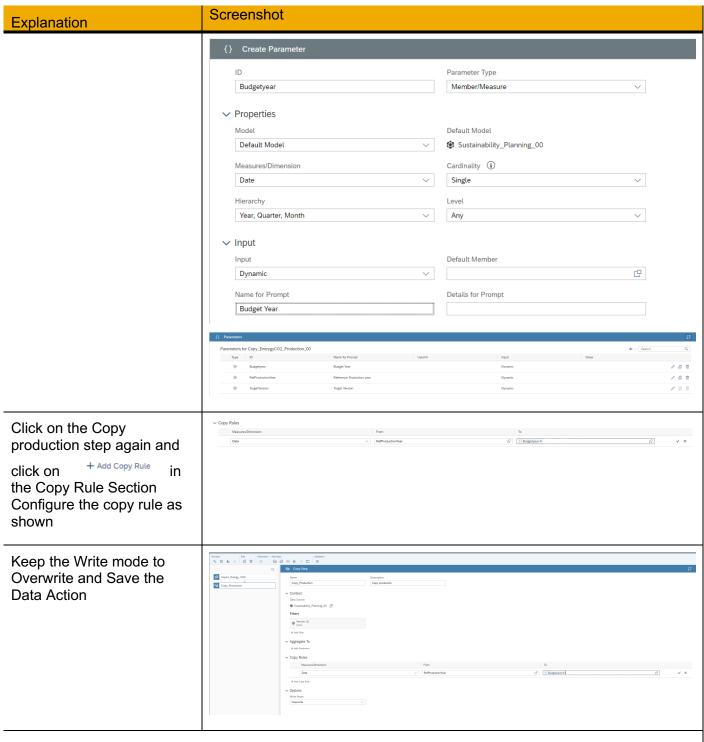






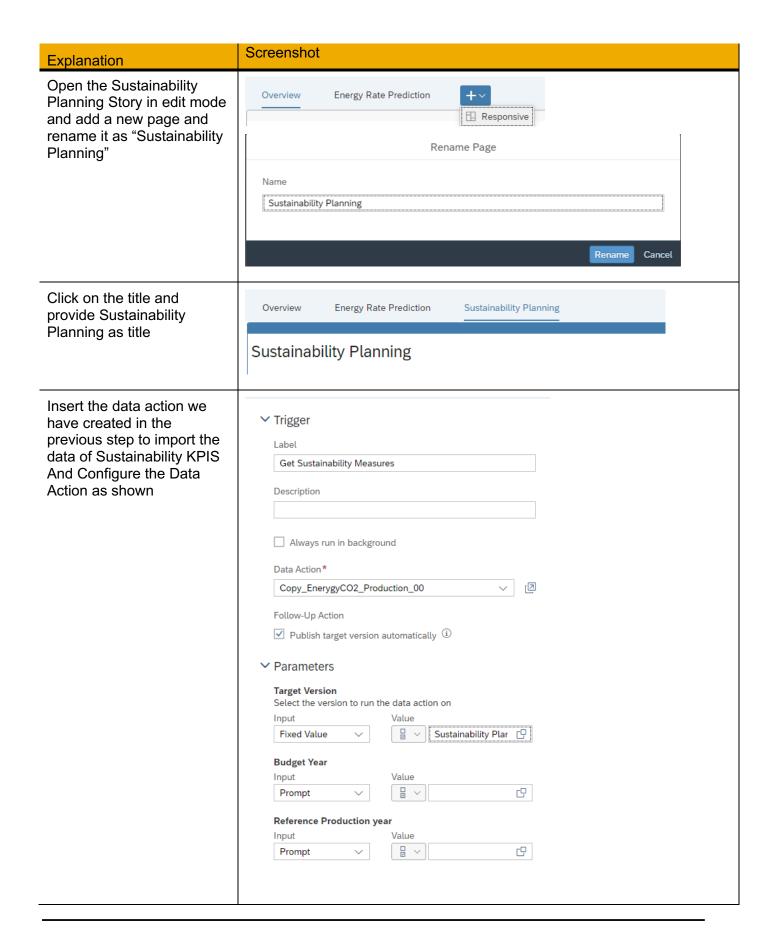


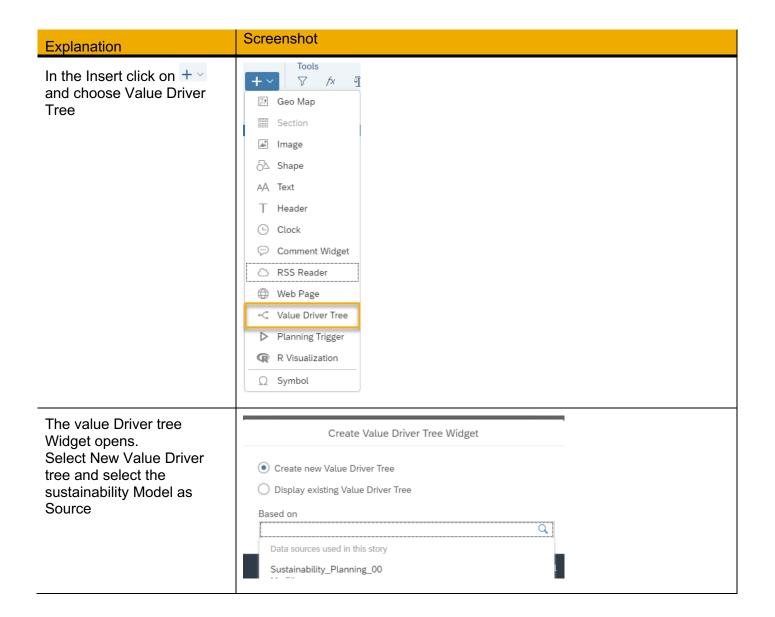


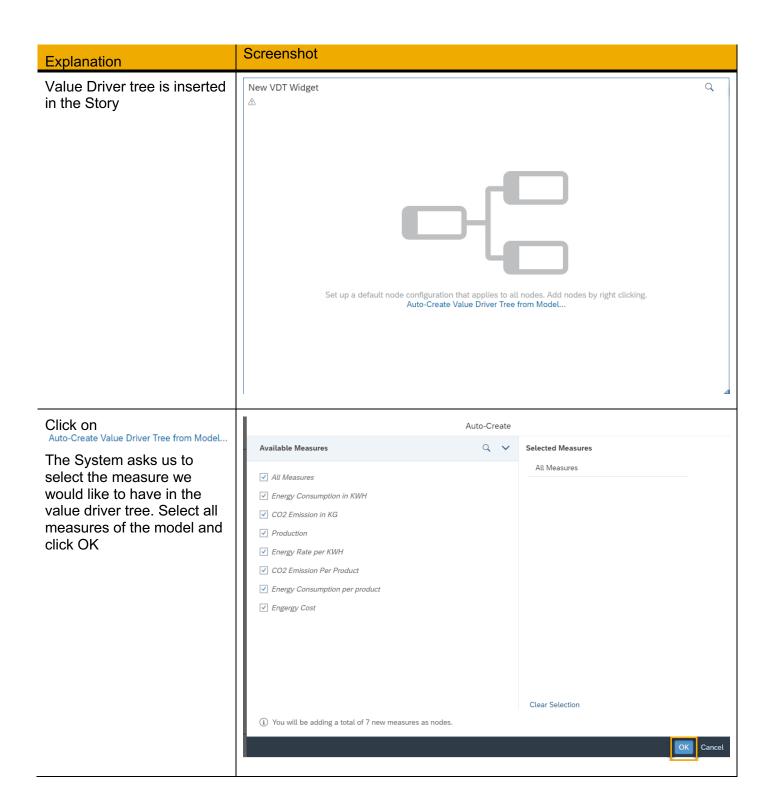


### **Sustaninability KPI Planning**

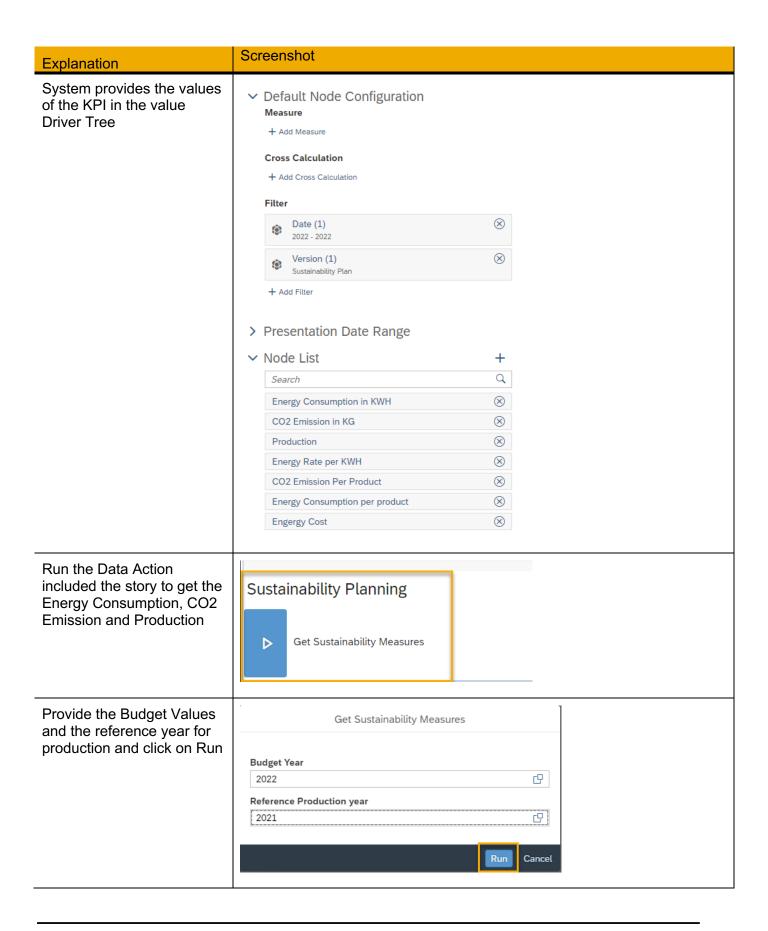
In this step we will add a new page to our Sustainability planning story and include the data action created above so that the sustainability planner can import the Sustainability KPIs and Production quantities. We will include a value driver to provide the key components of sustainability. The user can Simulate the impact of different components on the sustainability KPIS

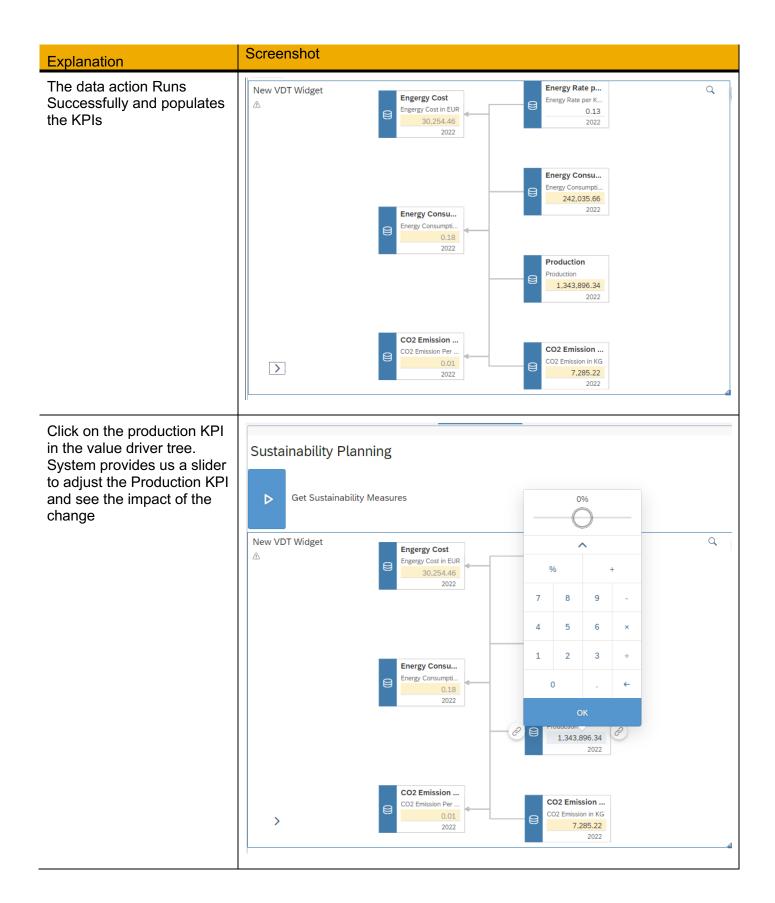






Explanation	Screenshot	
In the value Driver tree configuration change the Version to Sustainability Plan	<ul> <li>✓ Default Node Configuration         Measure         + Add Measure</li> <li>Cross Calculation         + Add Cross Calculation</li> </ul>	
	Filter	
	Date (1) 2022 - 2022	$\otimes$
	Version (1) Sustainability Plan	$\otimes$
	+ Add Filter	
	<ul><li>&gt; Presentation Date Range</li><li>✓ Node List</li></ul>	+
	Search	<u> </u>
	Energy Consumption in KWH	8
	CO2 Emission in KG	8
	Production	8
	Energy Rate per KWH	8
	CO2 Emission Per Product	8
	Energy Consumption per product	$\otimes$
	Engergy Cost	$\otimes$





Explanation	Scre	ensh	ot	
In the slider increase the production by 2 % and see the impact			+2%	
	9	6		+
	7	8	9	-
	4	5	6	×
	1	2	3	÷
	(	)		<b>←</b>
		C	)К _	
Similarly change the energy rate by some percentage and analyze the impact on	+12%		+12%	
energy Cost		%	^	12 _
				T
	7	8	9	-
	4	5	6	×
	1	2	3	÷
		0		<b>←</b>
		(	OK	

