

PARTNER

Building Intelligent and Sustainability Scenario with SAP BTP

EP320-SAP Analytics Cloud Maintenance Cost & Sustainability Planning

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 obtain the Tenant details and Login Credentials of SAP Analytics Cloud provided to you as instruction below.

SAP Analytics Cloud (To login SAP Analytics Cloud and perform the exercise.)

- Tenant URL
- Username: Your assigned User ID
- Password: Your assigned User Password

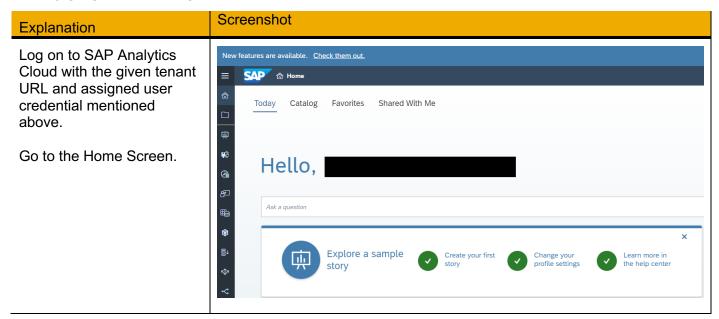
For the Bootcamp participants, please use the SAP Analytics Cloud tenant provided by SAP, and your assigned user id and password.

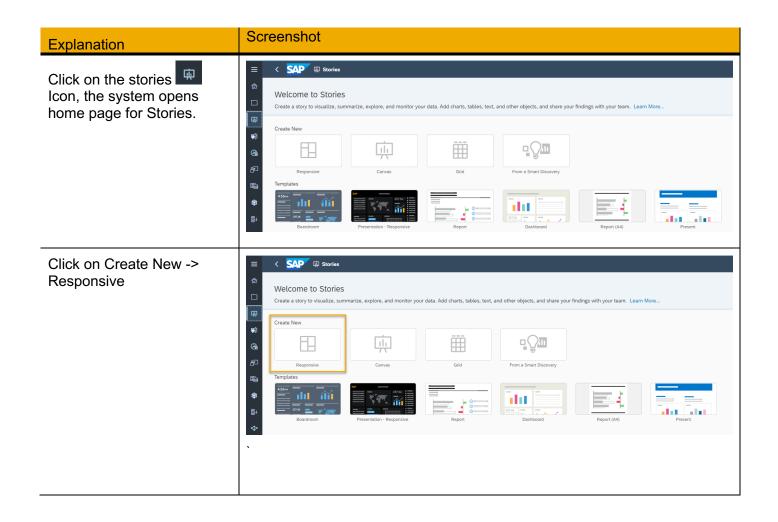
- The SAP Analytics cloud tenant URL is available in the dedicated Microsoft Teams > General (Channel) > System Access (Tab) > SAP Analytics Cloud (Section), which you have been invited.
- Your assigned user id and password for SAP Analytics Cloud are communicated individually via email.

PREREQUISITES

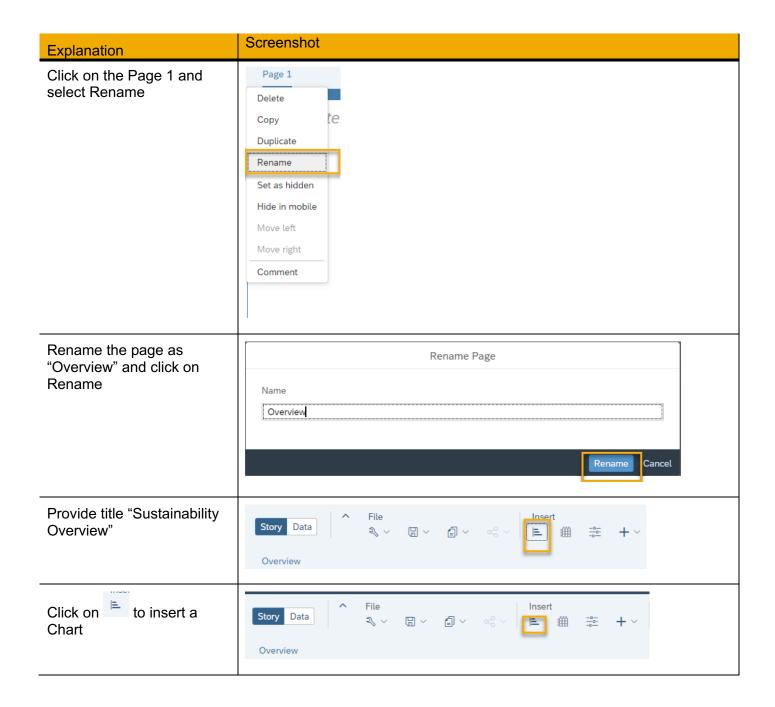
You have completed exercise 1, 2 and 3

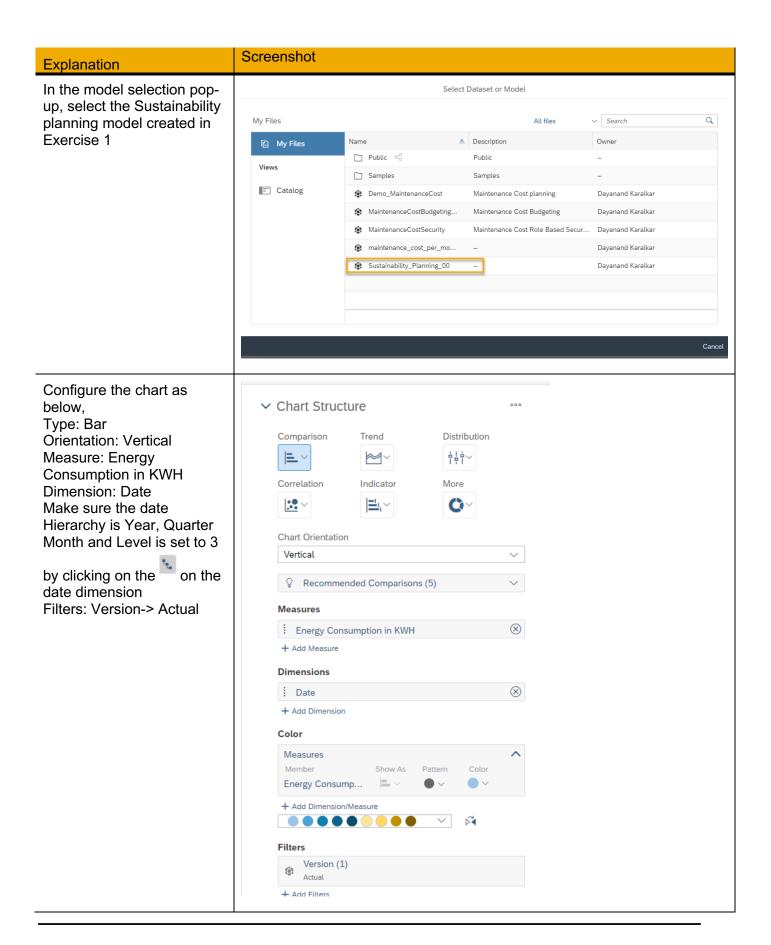
EXERCISE STEP DETAILS

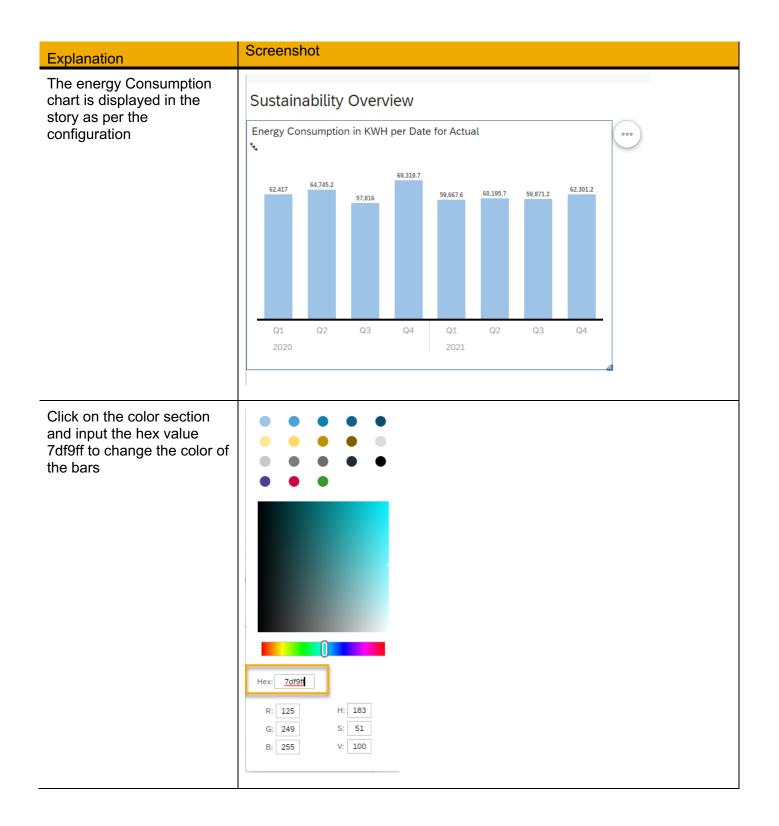


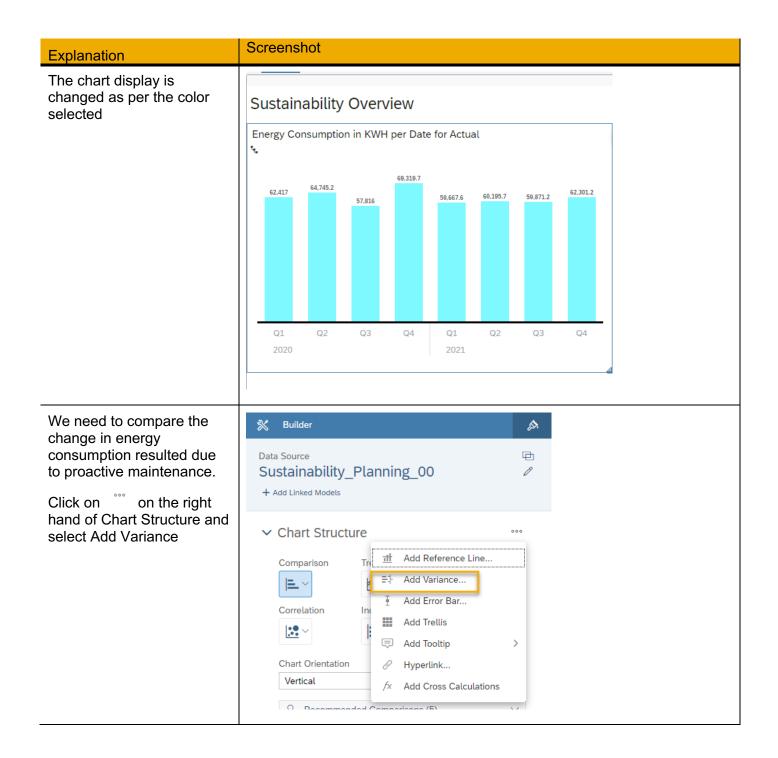


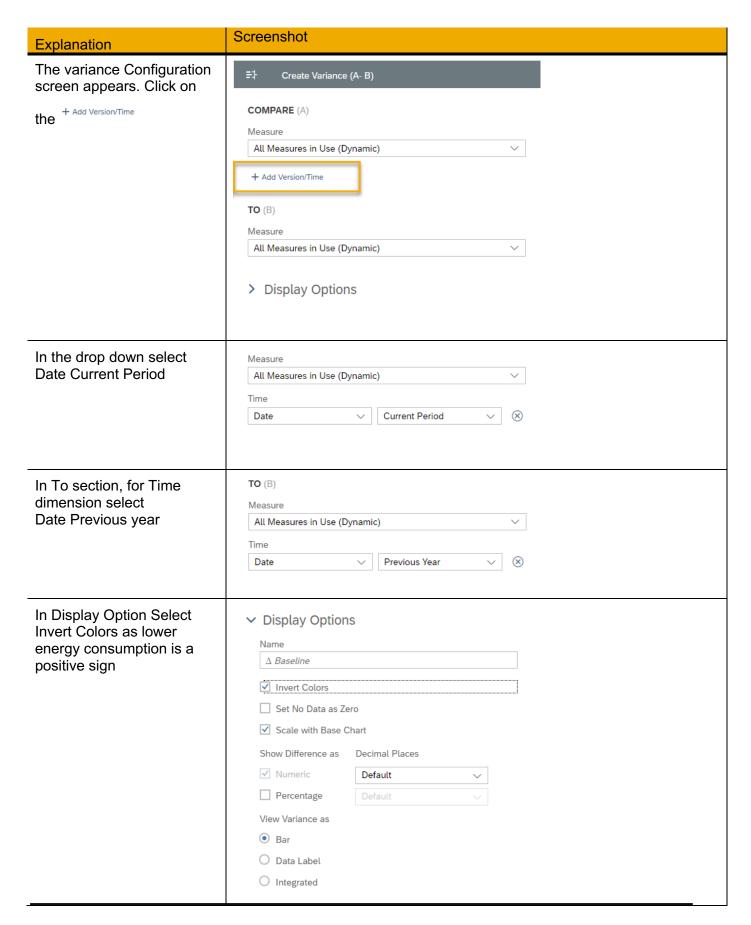
Screenshot Explanation In the design mode Select Design Mode Type selection pop up select Classic Design Experience and click Create What design mode would you like to use? Classic Design Experience The Classic Design mode provides all the existing features and functionality you may have already used in SAP Analytics Cloud. Optimized Design Experience The Optimized Design mode provides an improved experience when designing dashboards. This mode has some useful new features, but it does not include all the features that are currently supported in the Classic Design mode. Learn More Cancel Right Click on the right lane and choose Remove + Add lane Сору A Edit Styling... Remove

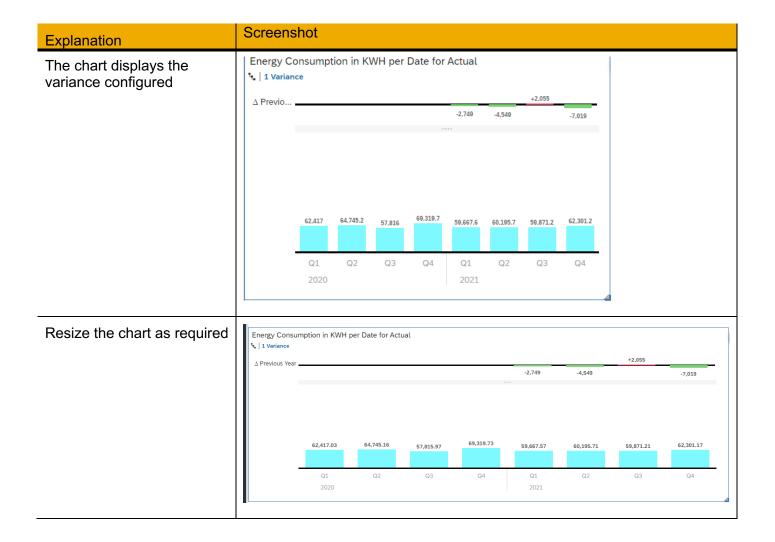


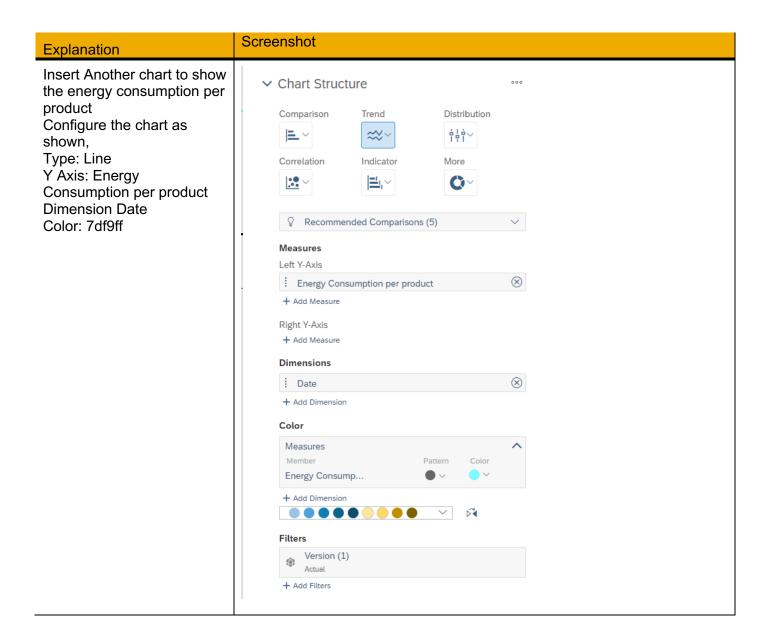


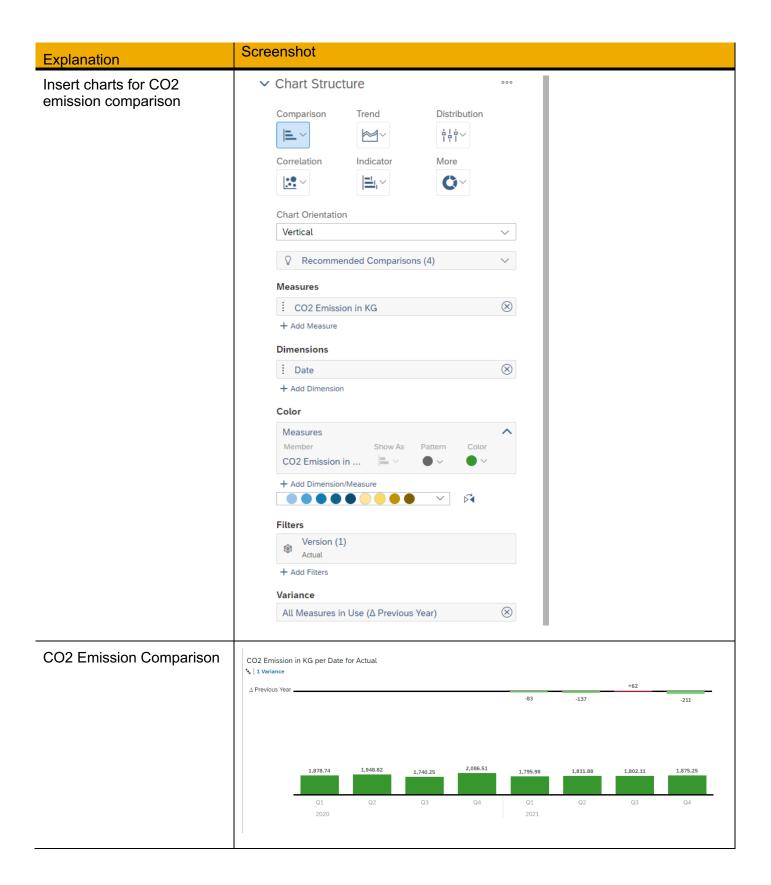


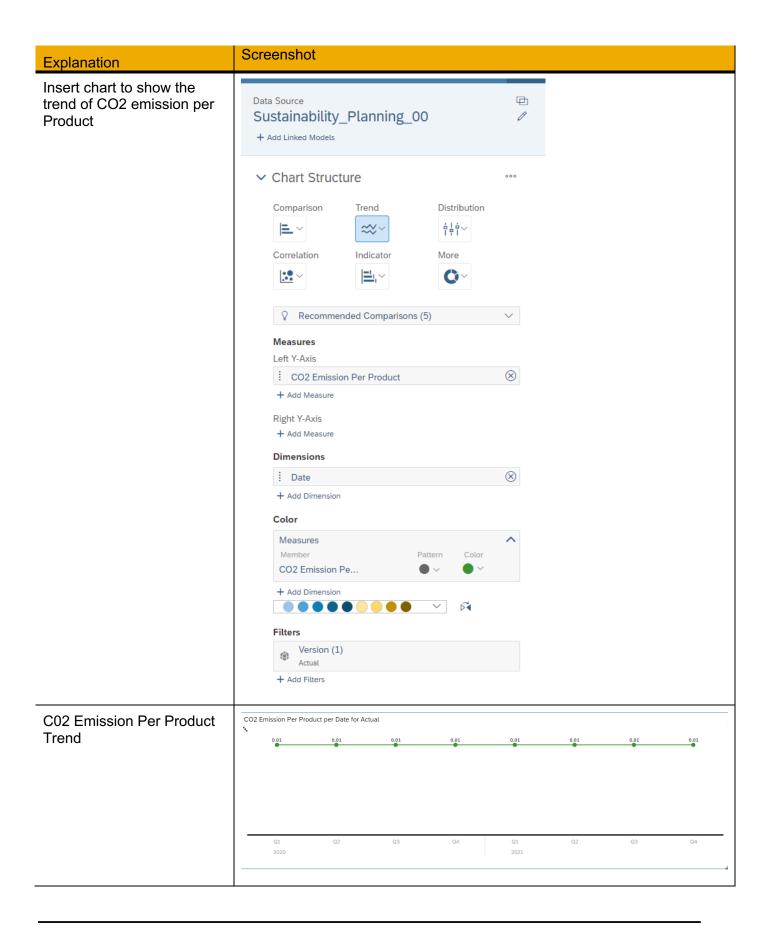




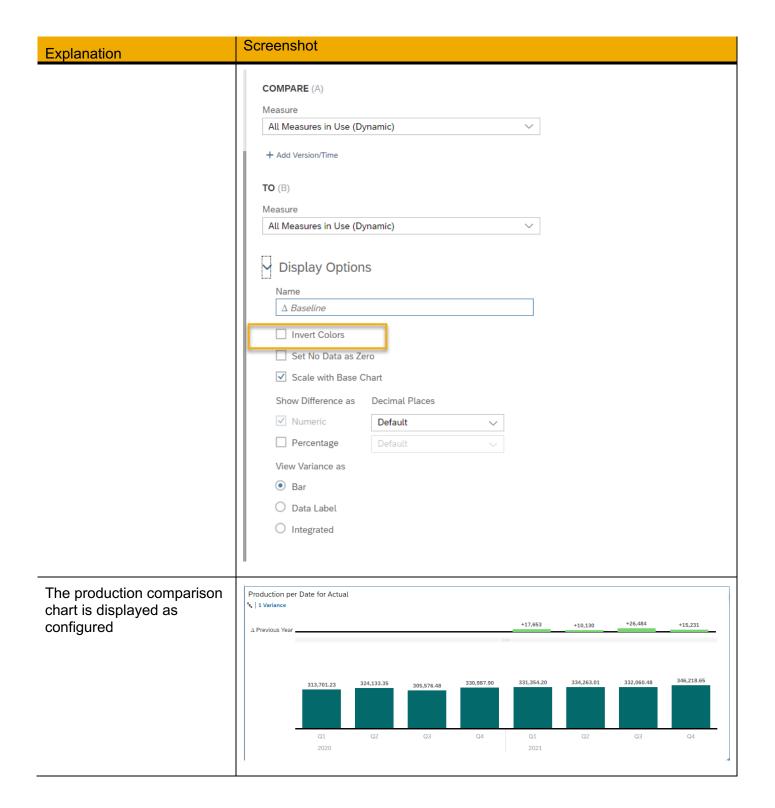


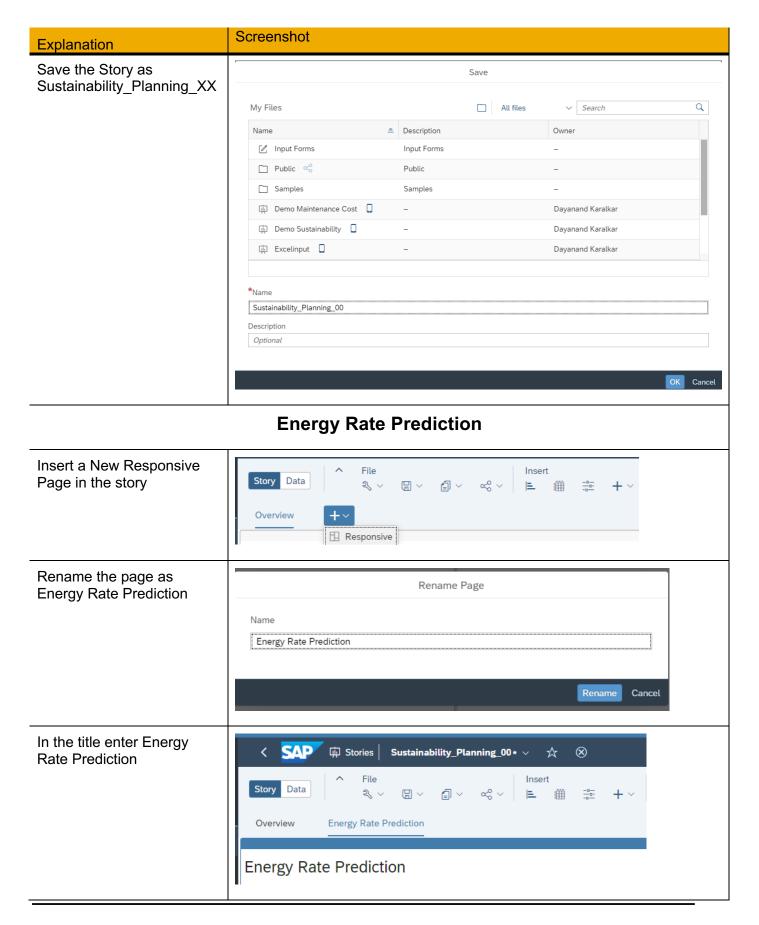


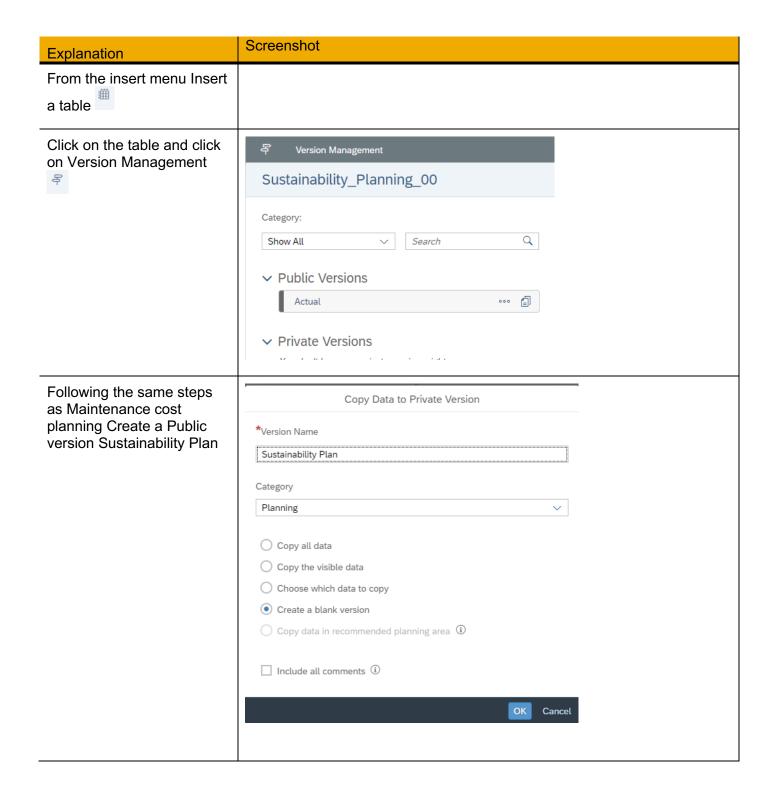


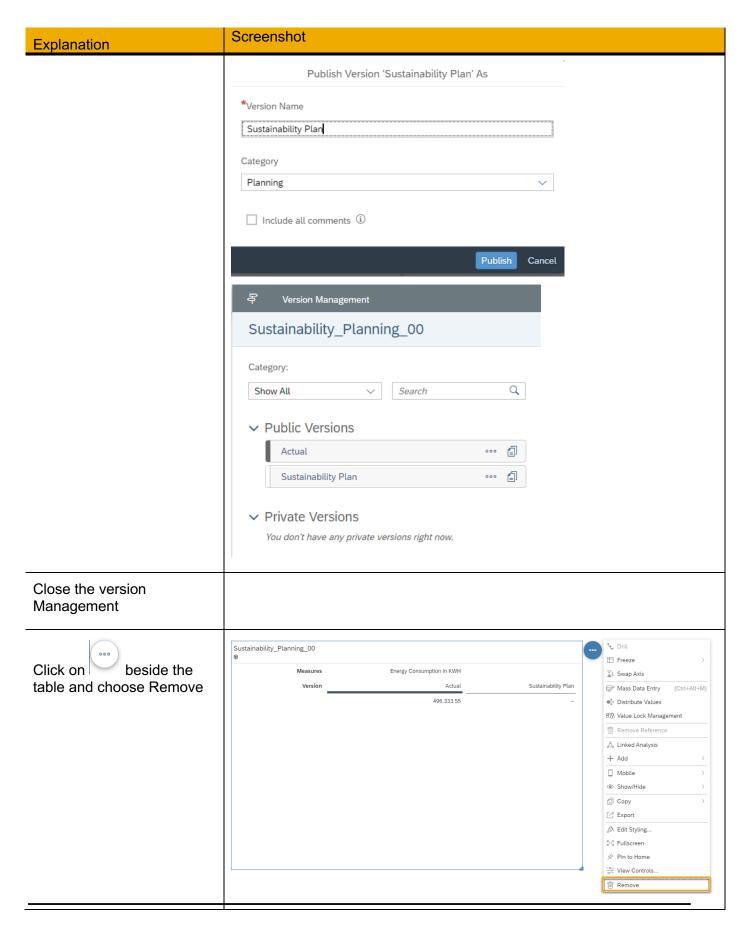


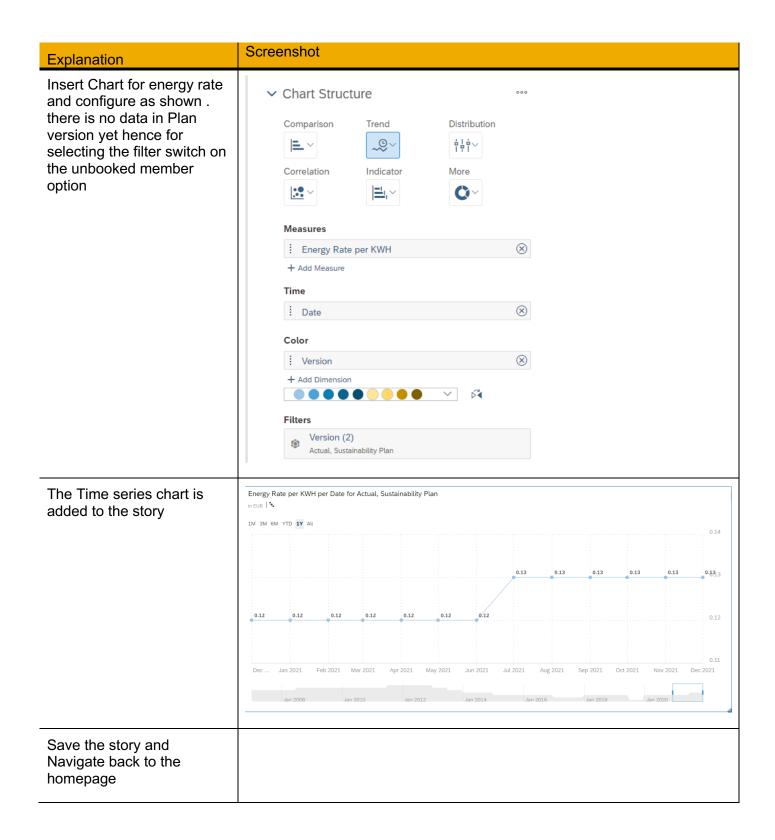
Screenshot **Explanation** Insert Chart to compare the Data Source • Production after the Sustainability_Planning_00 implementation of Proactive maintenance + Add Linked Models → Chart Structure Comparison Distribution **L**~ 中中个 Correlation Indicator More **::** <u>=</u>1,~ Chart Orientation Vertical Recommended Comparisons (4) Measures Production \otimes + 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

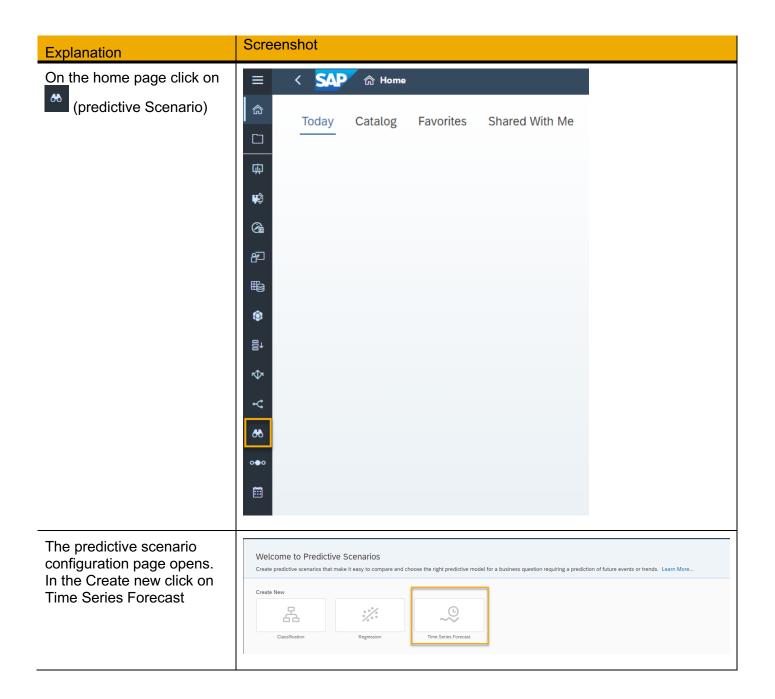


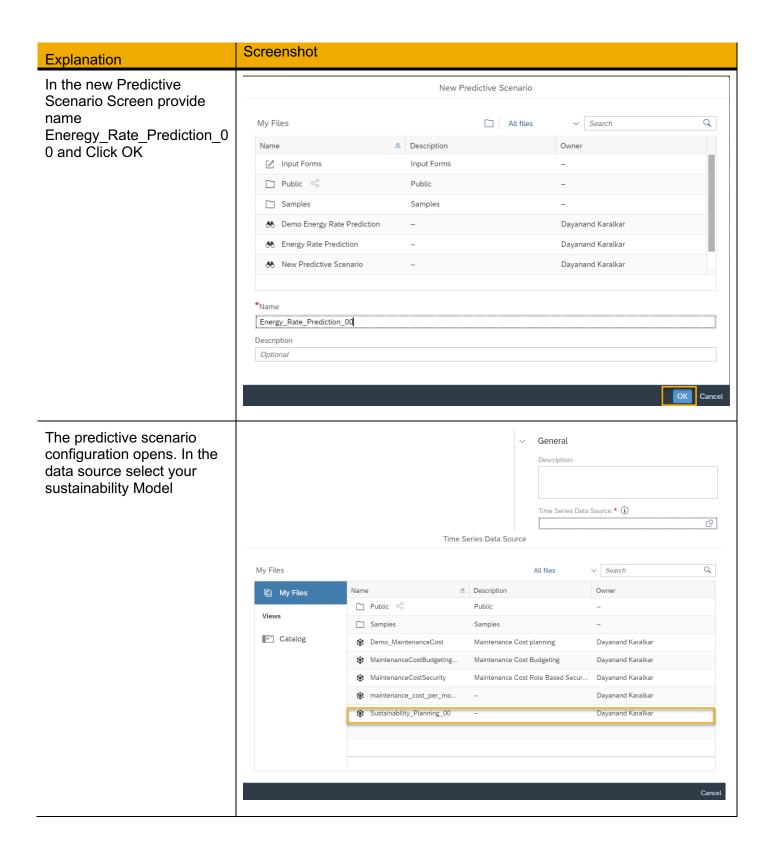


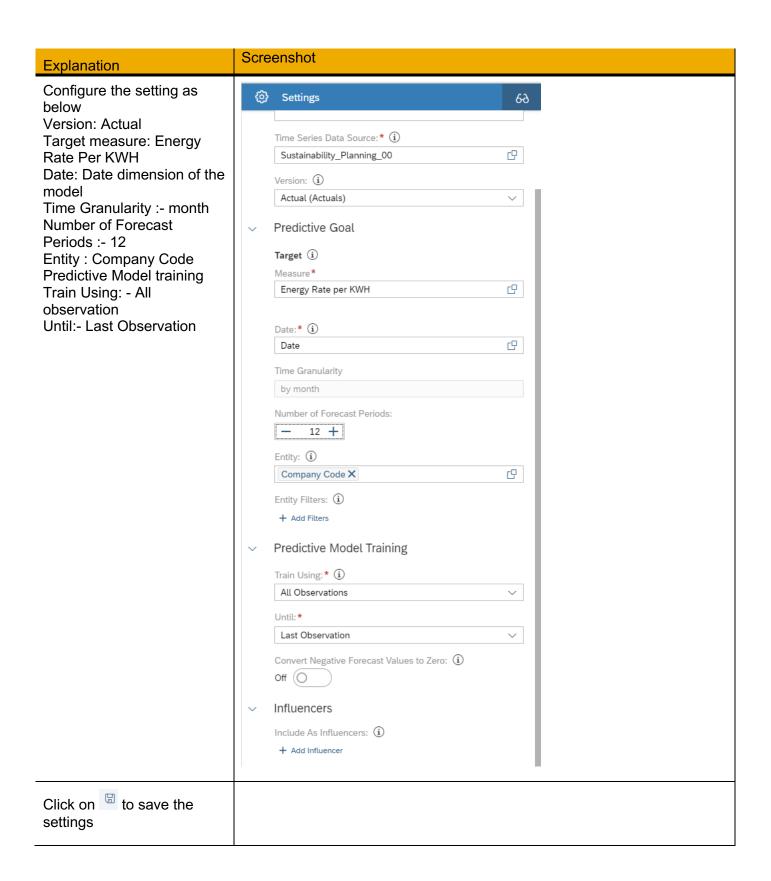


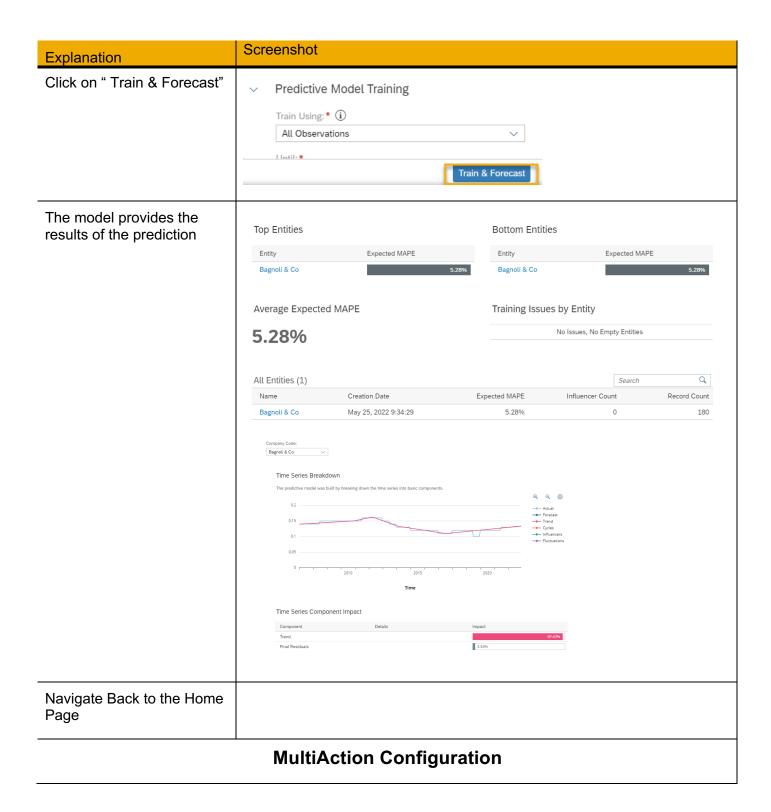


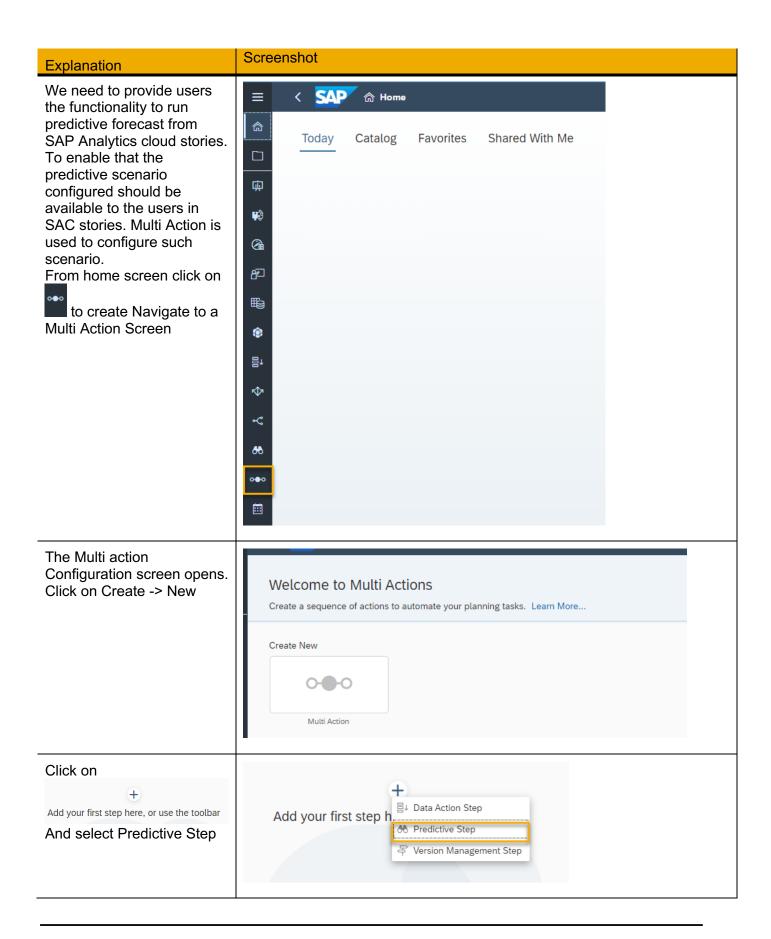


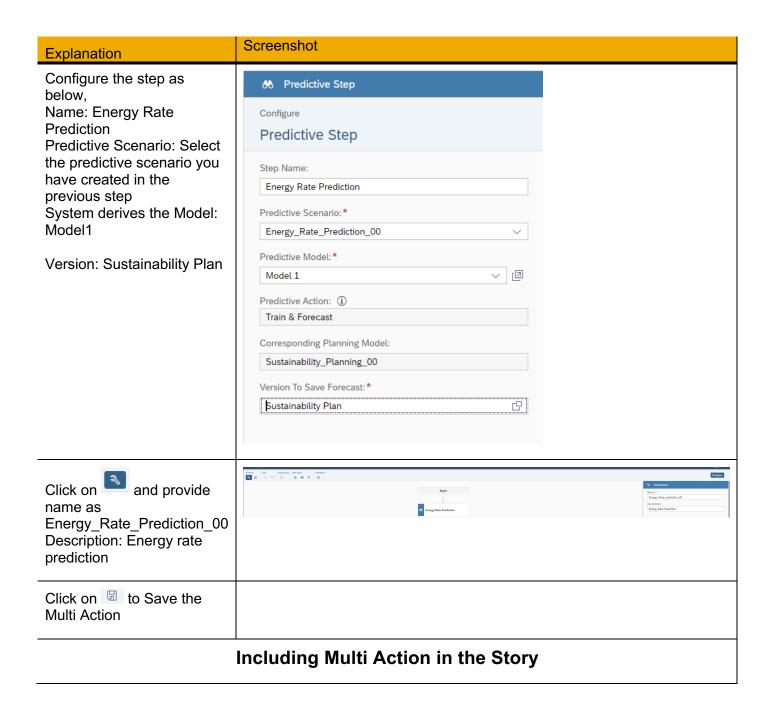


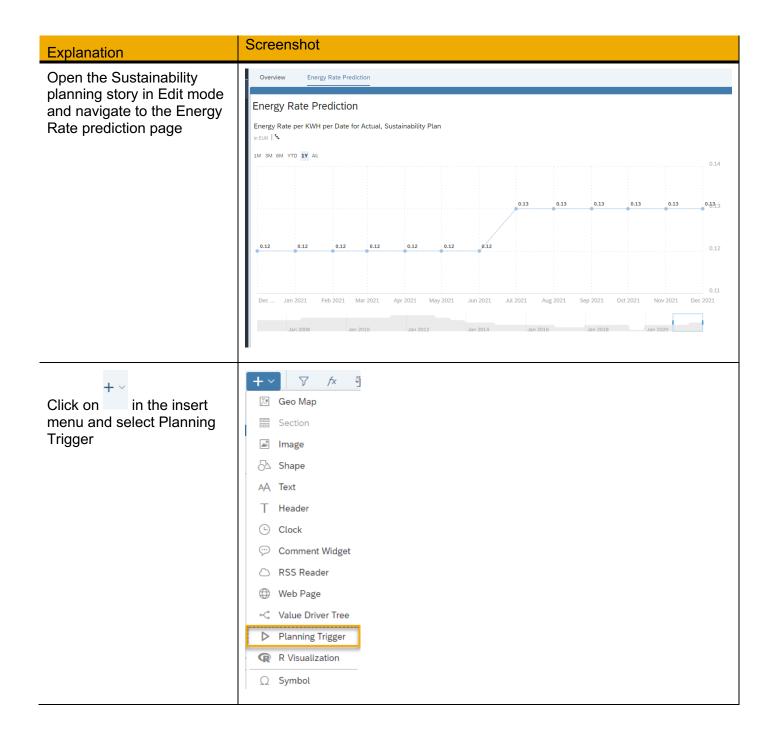


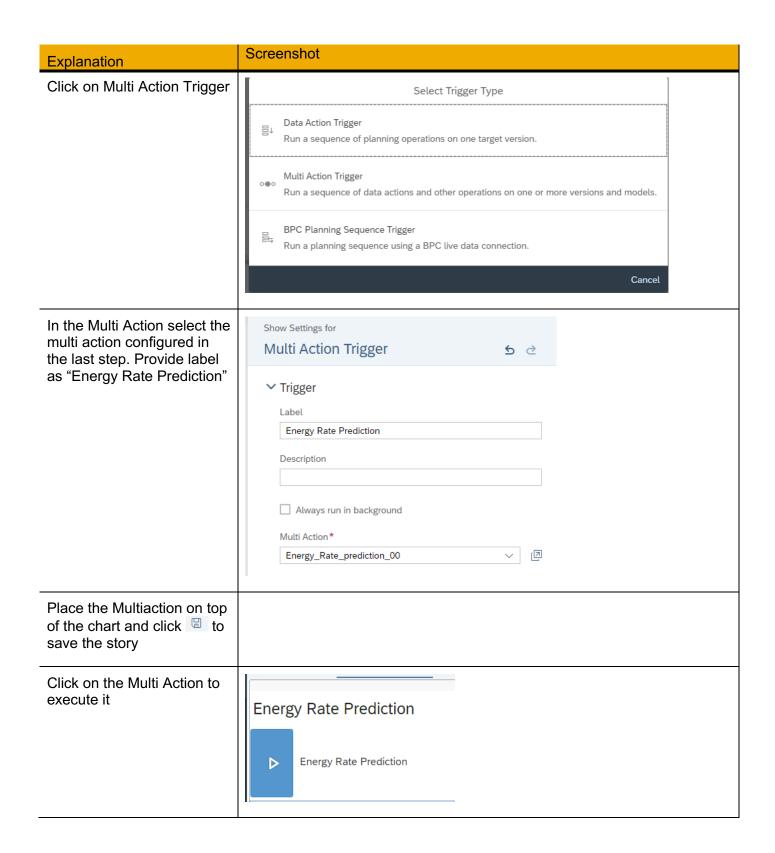


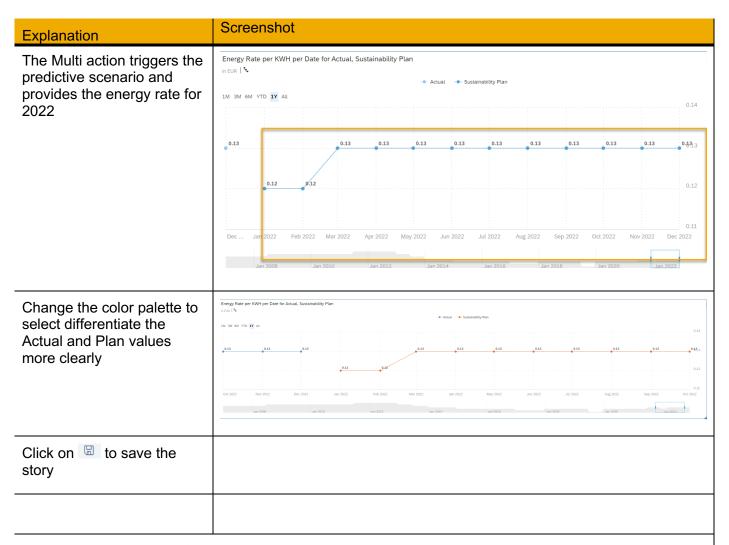










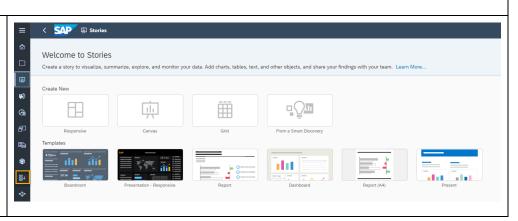


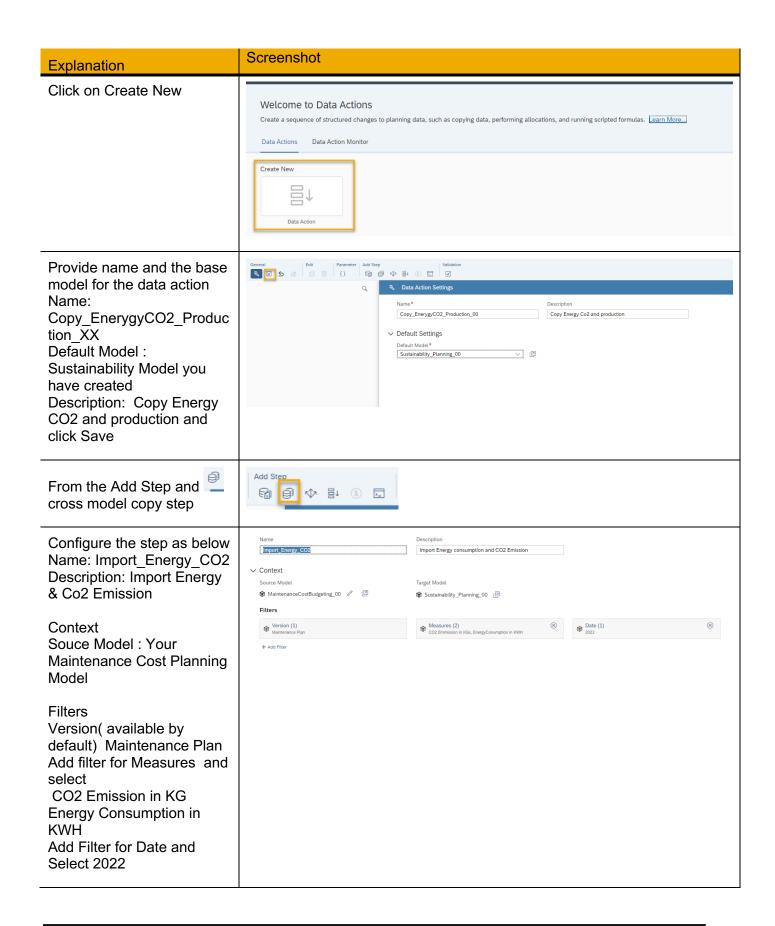
Colloboration with Maintenance Planning

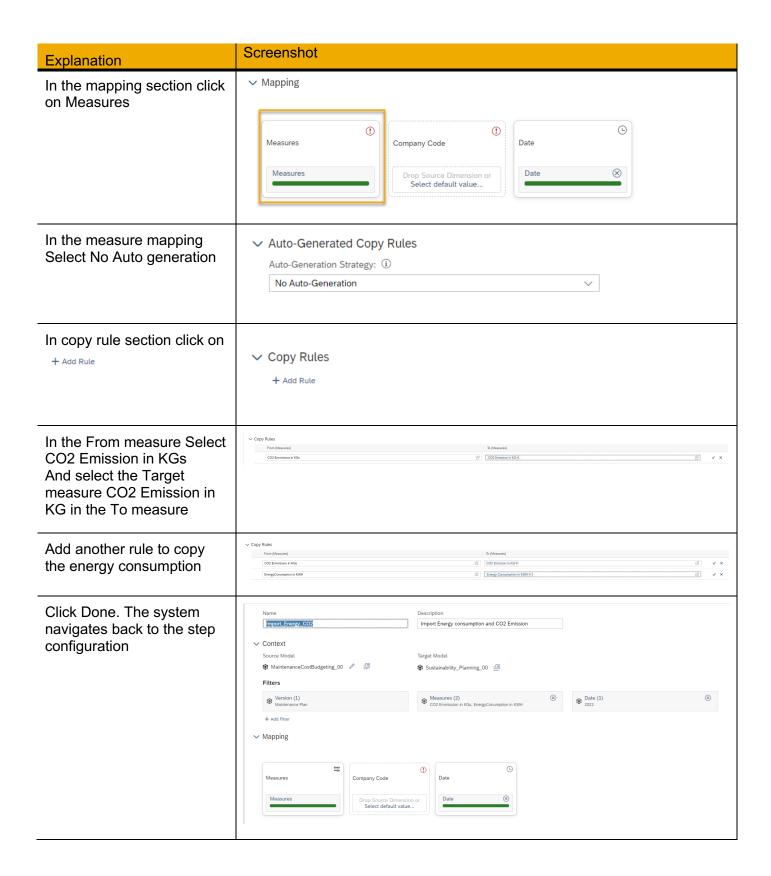
The Smart Factory application has provided us the energy consumption and C02 emission per equipment. We have loaded that data into the Maintenance Planning Model and created maintenance Plan. The sustainability Planner will get that plan and look at the impact of that plan on Sustainability KPIs.

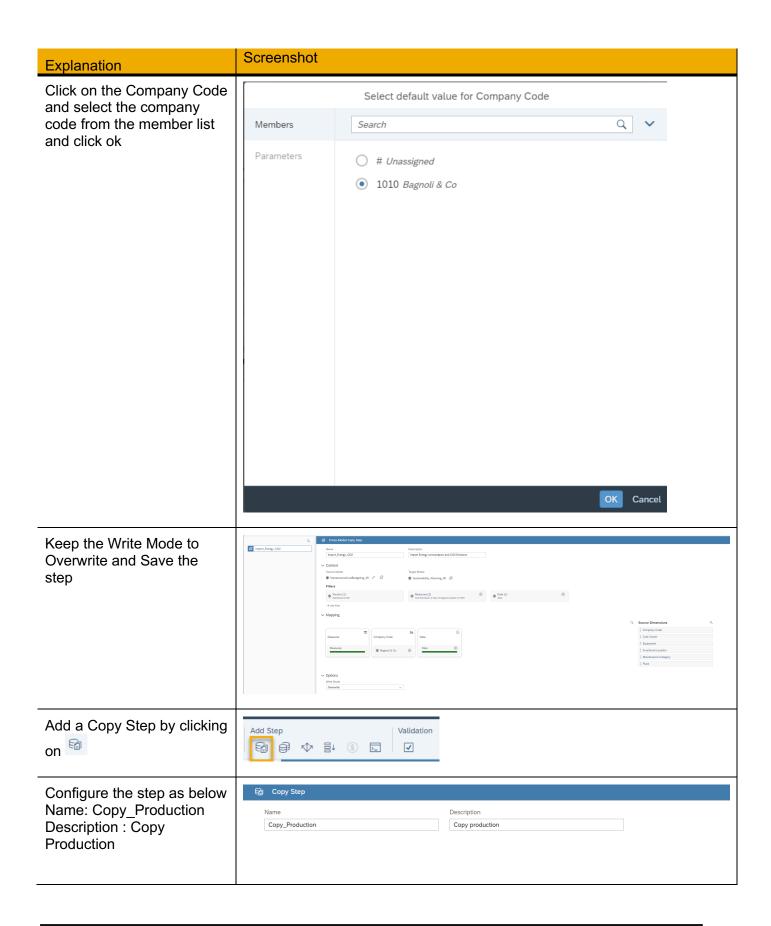
Also, the sustainability planner will plan the production based on the historical data. In this section we will configure Data actions to get the Energy Consumption from Maintenance Cost Planning and create production plan based on history

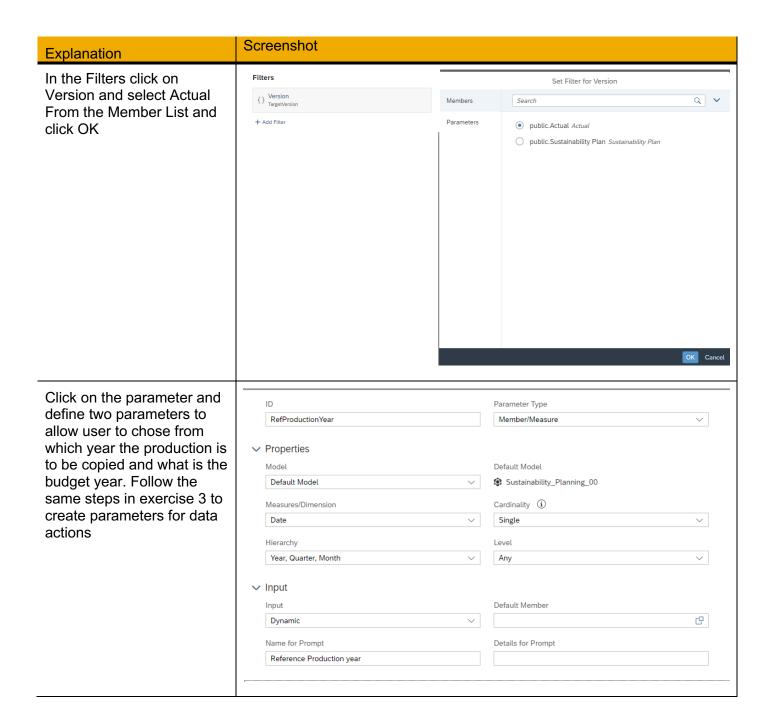
Click on Screen of SAP Analytics Cloud to Navigate to the Data Action Page

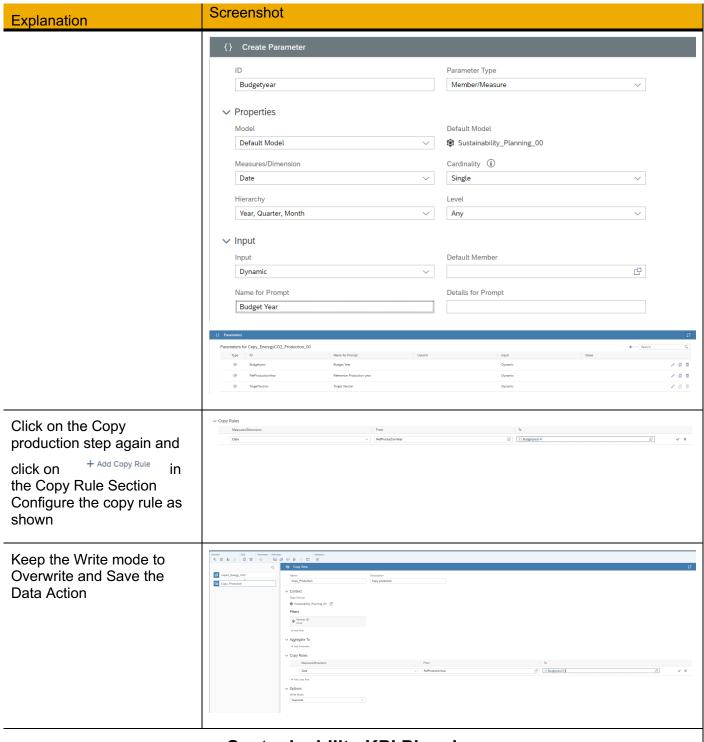






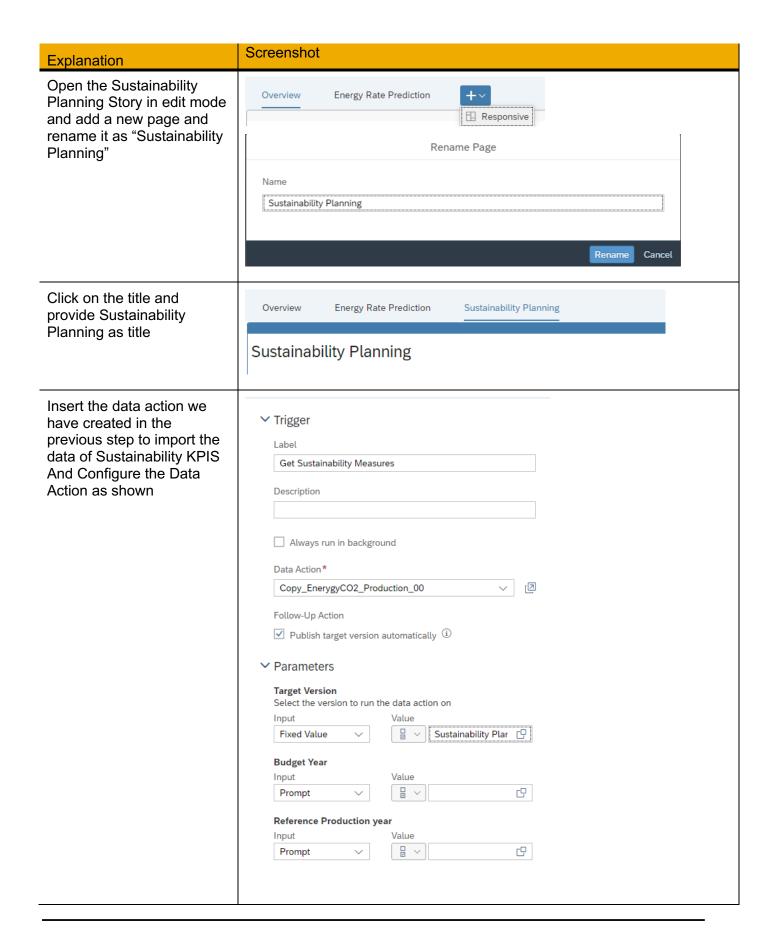


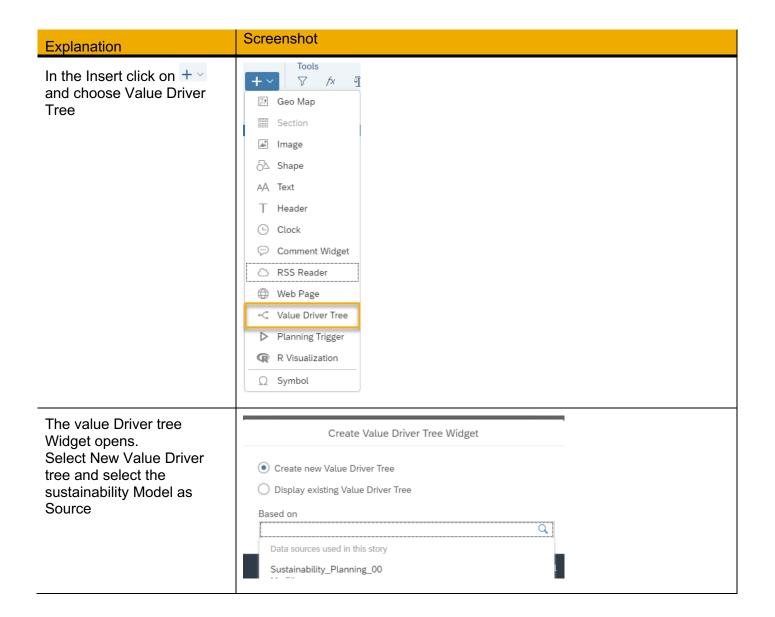


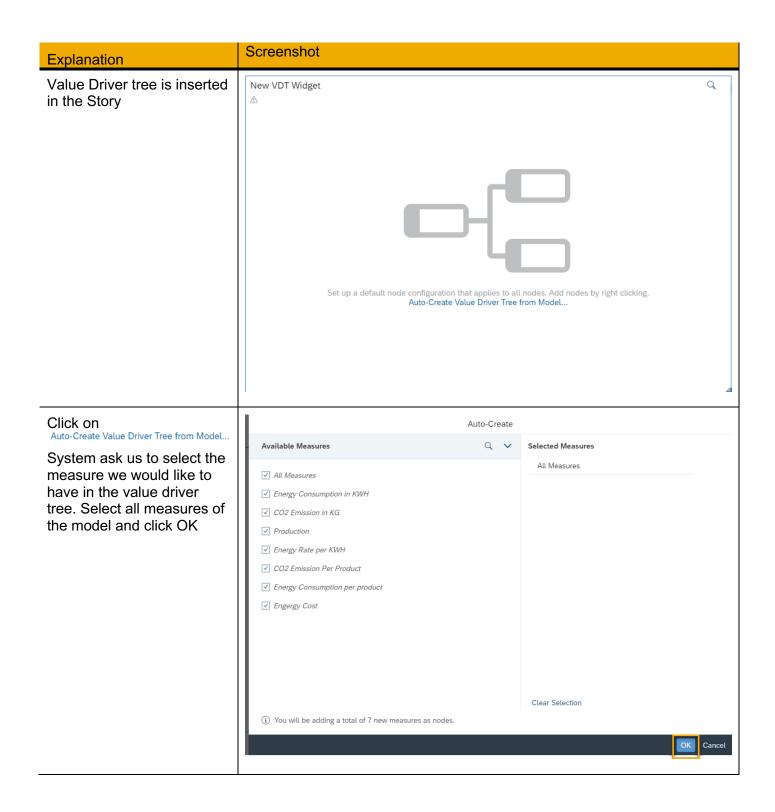


Sustaninability KPI Planning

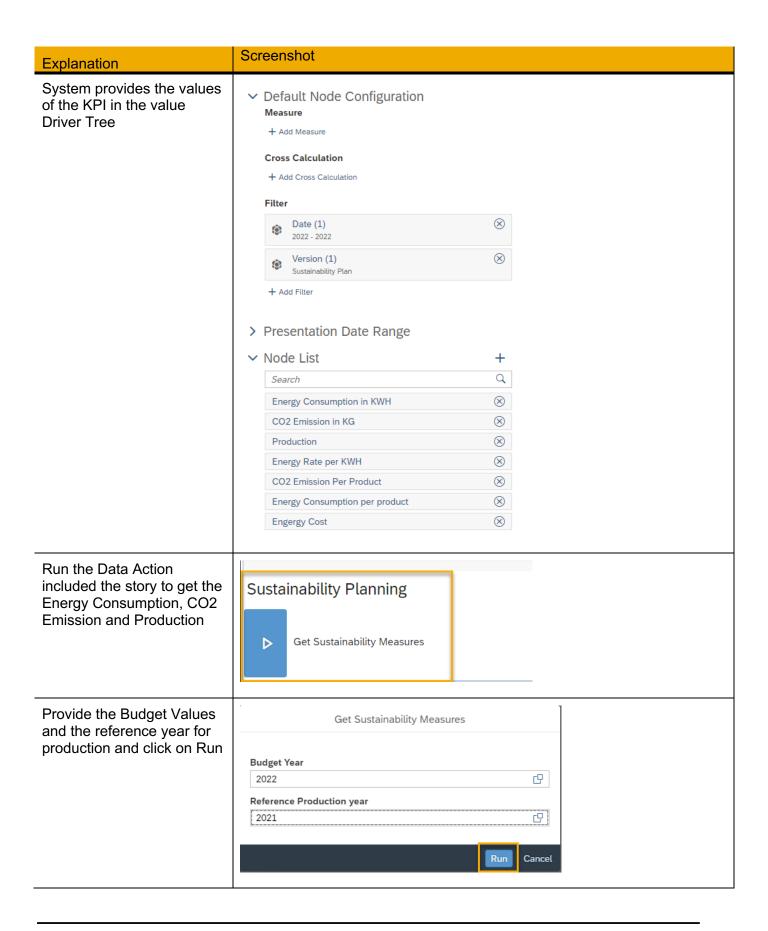
In this step we will add a new page to our Sustainability planning story and include the data action created above so that the sustainability planner can import the Sustainability KPIs and Production quantities. We will include a value driver to provide the key components of sustainability. The user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

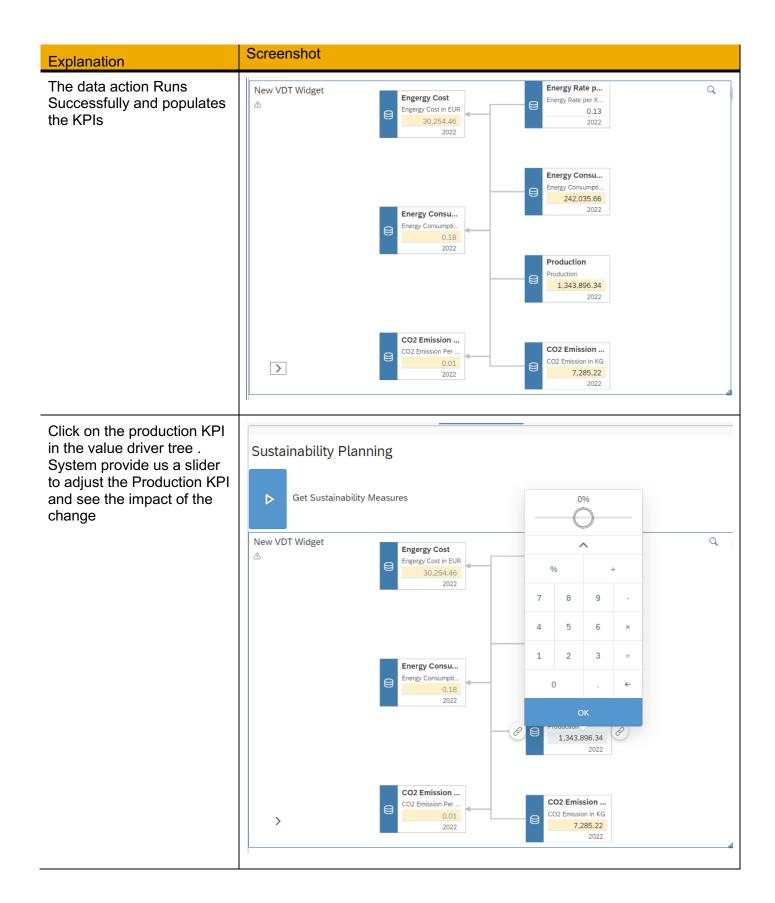






Explanation	Screenshot	
In the value Driver tree configuration change the Version to Sustainability Plan	 ✓ Default Node Configuration Measure + Add Measure Cross Calculation + Add Cross Calculation 	
	Filter	
	Date (1) 2022 - 2022	\otimes
	Version (1) Sustainability Plan	\otimes
	+ Add Filter	
	> Presentation Date Range✓ Node List	+
	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	÷
	()		←
		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		←
		(OK	

