Sustainability Cost Profiles

Planon Software Suite

Version: L105

Planon

Building Connections

About this Document

Intended Audience

This document is intended for *Planon Software Suite* users.

Contacting us

If you have any comments or questions regarding this document, please send them to: support@planonsoftware.com.

Document Conventions

Bold
Names of menus, options, tabs, fields and buttons are displayed in bold type.

Italic text
Application names are displayed in italics.

CAPITALS
Names of keys are displayed in upper case.

Special symbols

	Text preceded by this symbol references additional information or a tip.
	Text preceded by this symbol is intended to alert users about consequences if they carry out a particular action in Planon.

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About Cost profiles

In Planon ProCenter's Sustainability Management, **Cost profiles** enable you to calculate costs and cost savings resulting from sustainability measures. The cost calculations from the impact areas are based on the cost profile type you choose for your organization.

A **Cost profile** is a hierarchical element. Its sub-elements can be one of the following types:

- Standing charge cost lines
- Unit-based cost lines
- Unit & time-based cost lines
- Graduated fixed cost lines
- Graduated per offset cost lines

    These cost profiles are defined as unit-based, time-based and based on standard charges and discounts.

Cost profile - Concepts

Standing charge

Standing costs are charged once a year.

A cost profile where an amount is registered per year and used for time based calculations on the readings.
For example; the amount is € 365.0 per year. The reading is a day reading, the standing charge for that reading is € 1.0.

General

Code *	01
Description *	Standing charge / year
Amount per year excl. VAT *	€ 2,500.00
VAT *	5, Reduced rate (5%) (5 %)
Parent level	1200023, Cost profile - electricity
Cost line type *	STAND_CHARGE_CSTLINE

Unit based cost profile

A cost profile where an amount per unit is registered and used for unit based calculations on the readings.
For example; the amount per unit is € 1.0. The reading indicates 10 units used, the charge for that reading is € 10.0.

General

Code *	02
Description *	Energy tax / kWh
Amount per unit excl. VAT *	€ 0.25
VAT *	0, Zero rate (0%) (0 %)
Parent level	1200023, Cost profile - electricity
Cost line type *	UNIT_BASED_COSTLINE

Unit time-based costs

A cost line where an amount per unit is registered and used for unit based calculations. These calculations are taken into account at the time of taking the meter readings. These are some examples.

- The amount per unit is € 1,- between 0 am and 8 am.

- The amount per unit is € 2,- between 8 am and 8 pm.

- The amount per unit is € 1.0 between 8 pm and 12 pm.

The reading indicates 10 units used at 11am, the charge for that reading is € 20.0.

General

Code *	03
Description *	Electricity / kWh - Peak (Mon-Fri)
Amount per unit excl. VAT *	€ 0.47
VAT *	20, Current rate - (20%) (20 %)
Par VAT *	1200023, Cost profile - electricity
Cost line type *	UNITTIME_COSTLINE

General

Cost profile *	1200023.03, Electricity / kWh - Peak (Mon-Fri)
Weekday *	Wednesday
Start time *	07:00
End time *	23:00

Graduated fixed cost profile

A cost line where an amount per unit is registered and used for unit based calculations on the readings, taking the graduated fixed cost into account. An applicable VAT percentage is added to the calculated value.
For example, if the graduated fixed costs per reading are:

- € 40.00 between 0 and 9,999 kWh.

- € 30.00 between 10,000 and 19,999 kWh.

- € 20.00 from 20,000 kWh.

The first reading is 15,000 kWh. The second layer is applicable. Hence, calculate the charge for this reading as € 30.00 as standing charge costs.

The second reading indicates 5,000 kWh: The first layer is applicable. Hence, the charge is calculated for that reading as € 40,00 as standing charge costs.

Graduated cost per offset

A cost profile where an amount per unit is registered and used for unit based calculations on the readings, taking the graduated offset into account. An applicable VAT percentage is added to the calculated value.

The first reading indicates 15,000 kwh.

The charges for this reading are calculated as follows:

- From 0 - 9,999 kwh, price per unit is € 1.00.
- The costs are - (9,999 * 1.00) = 9.999,00.
- From 10,000 - 19,999 kwh, price per unit is € .90
- The costs are - (5,001 * 0.90) = 4,500.90.
- Total charges for the reading: 14,499.90

The second reading indicates 10,000 kWh. The total reading is 25,000. now.

The charges for this reading are calculated as follows:

- Calculate the charge for that reading after the first reading of 15,000:
- $(4,999 * 0.90) = 4,499.10$
- $(5,001 * 0.80) = 4,000.80$
- Total charges for both second reading is: 8,499.90

Note that, in this type of cost calculation:

- NO recalculation of the first reading is done.
- Negative readings for graduated calculation can be done for correcting the values after a recalculation based on the readings.
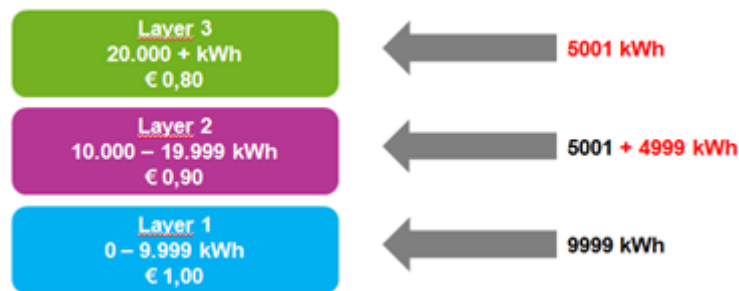
Combination of multiple cost profile types

In Planon, you can combine multiple cost profile types per meter.

For each standing charge cost profile type and graduated fixed cost profile type, the standing costs are calculated. The sum of these calculations is stored in the **Standing costs** field of the meter reading.

For each unit based cost profile type, unit time-based cost profile type and graduated per offset cost profile type, the unit based costs are calculated. The sum of these calculations is stored in the **Unit-based costs** field of the meter reading.

Working with cost profiles

Adding a base cost profile

To add a base cost profile for which sub cost lines can be added.
For example, Energy.

Procedure

1. Go to Base cost profiles.
2. On the action menu, click Add.
3. Complete the fields in the data section, Refer to Base cost profile fields.
4. Click Save. A base cost profile is created for the impact area. You must now add sub elements to it.

Adding a sub cost profile

To add a sub cost profile based on which cost calculations can be made.

Procedure

1. Go to Base cost profiles. Select a cost profile to which you want to add subs.
2. On the action menu, click one of the sub cost lines. Note that some combinations of sub cost lines are not allowed on a single base cost profile.

   Adding a sub graduated fixed cost line

3. On the action menu, click Sub graduated fixed cost line.
4. Complete the fields in the data section, Refer to Sub graduated fixed cost line.
5. Click Save. A Sub graduated fixed cost line is created. It can now be applied for cost calculation.

> To add a **Sub graduated offset cost line**, follow the steps in the above procedure.

Adding meter summary group period

One or more meters can be grouped under every meter summary group. Each meter summary group can have one or more periods.

The total consumption in each period is aggregated in a meter summary group period.

To add a Meter summary group based on a specific time period.

Procedure

1. Go to Base cost profiles > Meter summary group period.
2. On the action menu, click Add.
3. Complete the fields in the data section, Refer to Meter summary group period fields.
4. Click Save. A Meter summary group period is created. You can create several such period groups for a cost profile.

Adding a graduated layer line

To add graduated layer lines to the sub cost lines for cost calculations. Multiple layer lines can be created.

Procedure

1. Go to Base cost profiles.
2. Select a sub cost profile for which you want to add layers.
3. Go to Details > Graduated layer lines.
4. On the action menu, click Add.
5. Complete the fields in the data section, Refer to Graduated layer lines fields.
6. Click Save. A Graduated layer line is created. You can create multiple layers for a sub cost profile.

Compact gauge readings

Compact gauge readings provide essential information about gauge readings, such as date-time, emission, costs and so on.

Based on compact gauge readings, the standing costs on the gauge are calculated. These calculations are based on the **Cost profile** / **Meter summary group** to which the gauge is linked.

Adding a compact gauge reading

You can add compact gauge readings and obtain the costs based on the cost profiles linked to it.

Procedure

1. Go to Gauges.
2. Select a gauge for which you want to add compact gauge readings. Ensure that if the linked cost profile has sub cost profiles of type Graduated fixed or Graduated offset, you must link the gauge to the Meter summary group.
3. Complete the fields in the data section, Refer to Compact gauge readings.
4. Click Save.

   The Standing costs field is updated with the costs for the specified gauge readings.

Reference topics

Base cost profile fields

Field	Description
Code	Enter a code for the cost profile.
Start date	Specify a start date when the cost profile will become applicable.
Impact area	Select an impact area, for example, Property related or Department related.
Contract	Select a contract for which you want to apply the cost profile.
End date	Specify an end date when the cost profile is no longer applicable.
Name	Enter a description for the cost profile.

Sub graduated fixed cost line

Field	Description
Code	Enter a code for the cost line.
Start date	Specify a start date when the cost line will become effective.
VAT	Select an applicable VAT percentage.
Contract	Select a contract for which you want to apply the cost profile.
End date	Specify an end date for the termination of the cost profile.
Name	Enter a description for the cost line.

Meter summary group period fields

Field	Description
Code	Enter a code for the **Meter summary group period**.
Start date	Specify a start date for the **Meter summary group period**.
Cost profile	Select a cost profile which you want to link to the Meter summary group period.
Meter summary group	Select a Meter summary group from the **Meter summary group** dialog box. You can also add more Meter summary groups in this dialog box**,** by clicking **Add/copy**.

Graduated layer lines fields

Field	Description
Code	Enter a code for the **Graduated layer lines**.
Start level	Specify a start level reading for which the unit cost is applied. For example, 1.
Cost profile	Select a cost profile for which you want to create the **Graduated layer lines**.
Amount excl. VAT	Specify a value in the **Amount excl. VAT** dialog box. This is the cost per unit as per this layer.
End level	Specify an end level reading for which the unit cost is applied. For example, 100. (The range of this layer is 1 - 100.) If you leave this field empty, the entire meter reading will be charged with the unit price specified in **Amount excl. VAT.**

Compact gauge readings

Field	Description
Gauge	Displays the linked gauge.
Reading date-time	Displays the date-time at which the reading is recorded.

Field	Description
Reading value	Displays the recorded reading.
Reliable measurement?	If the reading qualifies as reliable, select **Yes**. If it is unreliable, select **No**.
Compact reading details	In this field you can link relevant reading details to the reading.
Gauge reading	Displays the date of compact gauge reading.
Standing costs	If applicable, this field displays a fixed amount to be paid. This value is based on the cost profile that was selected while adding a gauge and the time period with respect to previous reading. You can also choose to manually add standing costs to specific gauge readings.
Unit-based costs	If applicable, this field displays the calculated unit-based costs as defined in the cost profile or price per reading. This value is only calculated if you have set the option **Calculate unit cost** to **Yes** in Field definer > **Business object settings > Compact gauge readings**.
Price per unit incl. tax/VAT	In case the costs involved in the readings are variable, you can manually enter a **Price per unit incl. tax/VAT** and **Standing costs** on individual meter readings.
	Unit-based costs: *(reading value * price per unit incl. tax/VAT) + standing costs*.
	If you leave this field empty, the cost calculation takes place via the **Cost profile**. The price per unit will then be the same for each meter reading.

> **i** If you fill in **Price per unit incl. tax/VAT**, the **Tax/VAT** field must be left empty, because the field already consists of : *Price per unit + Tax/VAT*.

Field	Description
Price per unit excl. tax/VAT	In case the costs involved in the readings are variable, you can manually enter a **Price per unit excl. tax/VAT**, **Tax/VAT** and **Standing costs** on individual meter readings.
	Unit-based costs: *(reading value * price per unit excl. tax/VAT) + Tax/VAT + standing costs*.
	If you leave this field empty, the cost calculation takes place via the **Cost profile**. The price per unit will then be the same for each meter reading.

Field	Description
	ℹ The **Tax/VAT** on the reading will overrule the Tax/VAT of the profile. The **Tax/VAT** field can either be filled with an applicable percentage or left empty.
	ℹ You can either use the **Price per unit incl. tax/VAT** field or **Price per unit excl. tax/VAT** field but not both.
Tax/VAT	Select an applicable Tax/VAT percentage. The value is only used if you fill in **Price per unit excl. tax**.
Emission	Displays the amount of CO# emitted. This value is based on the impact area that was defined while adding a gauge. This value is only calculated if you have set the option **Calculate CO2 to Yes** in Field definer > **Business object settings > Compact gauge readings**.
Gigajoule	Displays the calculated energy usage in Gigajoule. This value is only calculated if you have set the option **Calculate gigajoules** to **Yes** in Field definer > **Business object settings > Compact gauge readings**.

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