

# DH Sandbox API documentation for public supplier

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# 1 Documentation version history

The table below provides information on document version history:

Version	Date	Description
1.0.0	2024-01-03	Initial document version.
1.0.1	2024-02-23	<p>Added new methods:</p> <ul style="list-style-type: none"><li>• POST/gateway/public-supplier/order/data-hr-15min-history-changes</li><li>• GET/gateway/public-supplier/order/{orderId}/data-hr-15min-history-changes</li></ul> <p>Added new possible requests and responses (2, 3, 4) in method:</p> <ul style="list-style-type: none"><li>• POST/gateway/public-supplier/order/data-hr-15min-obj-lvl</li></ul> <p>Added new possible requests and responses (2, 3, 4) in method:</p> <ul style="list-style-type: none"><li>• GET /gateway/public-supplier/order/{orderId}/data-hr-15min-obj-lvl</li></ul> <p>Added new possible request and response (2) in method:</p> <ul style="list-style-type: none"><li>• POST/gateway/public-supplier/order/list</li></ul>
1.0.2	2024-03-06	<p>Added new methods:</p> <ul style="list-style-type: none"><li>• POST /gateway/public-supplier/order/balance-data</li><li>• POST /gateway/public-supplier/order/balance-by-generation-type</li><li>• GET /gateway/public-supplier/order/{orderId}/balance-data</li><li>• GET /gateway/public-supplier/order/{orderId}/balance-by-generation-type</li></ul> <p>In method POST/gateway/public-supplier/order/list:</p> <ul style="list-style-type: none"><li>• Added new order types „balance-data“ and „balance-by-generation-type“ in possible response (2)</li><li>• Added new possible request and response (3)</li></ul>
1.0.3	2024-04-25	<p>In method POST /gateway/public-supplier/order/data-hr-15min-history-changes:</p> <ul style="list-style-type: none"><li>• in JSON request removed dateTo</li></ul>

		In method POST /gateway/public-supplier/order/v2/list: <ul style="list-style-type: none"><li>• in possible response data 2 changed order status date (orderId 100065)</li></ul>
1.0.4	2024-06-05	Changed location of graphVersion attribute in method: <ul style="list-style-type: none"><li>• GET /gateway/public-supplier/order/{orderId}/data-hr-15min-obj-lvl</li></ul>

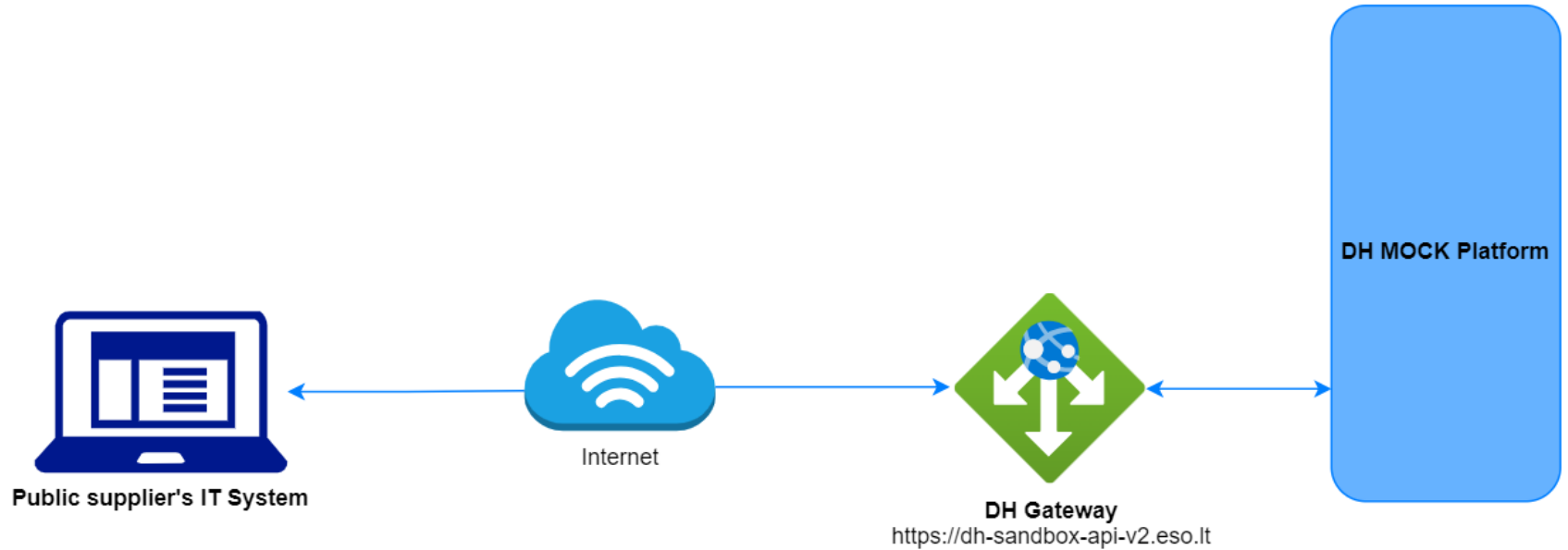
**Note:** Changes in table marked in white are already deployed, marked in green will be deployed in near future.

## 2 Preface

The Common Data Exchange Platform (hereinafter referred as *DH Platform*) Gateway is a component enabling public supplier to directly access DH Platform from within their IT systems and thus helps perform their activities more efficiently.

DH Gateway provides open standards-based interfaces allowing public supplier themselves (or with outside assistance) integrate their IT systems with DH Platform.

This document provides technical information on DH Gateway interfaces which is needed to integrate public supplier's information systems with DH Platform.



### 3 Environments

There are two DH Gateway environments the public supplier might access:

- “Sandbox” environment
- Production environment

Environment	Swagger Link	WEB Interface
Production	<a href="https://dh-api.eso.it/swagger-ui.html">https://dh-api.eso.it/swagger-ui.html</a>	<a href="https://datahub.eso.it/">https://datahub.eso.it/</a>
Sandbox	<a href="https://dh-sandbox-api-v2.eso.it/swagger-ui.html#/">https://dh-sandbox-api-v2.eso.it/swagger-ui.html#/</a>	-

## 4 Digital certificates

In both the testing and production environments of the DH Gateway component, the identity of the public supplier is established using a TOKEN, which the public supplier's information system must provide each time the DH Gateway network service is called.

### **To get started:**

1. The DSO responsible person sends the JWT key (JSON Web Token) to be used with each request to the DH API.
2. To make requests to the DH Gateway API - the TOKEN submission in the case of curl takes place.

## 5 Datahub Gateway API documentation

This document section describes the technical DH API documentation, which provides descriptions of API methods, request and response JSON data model structure, data validation rules, error handling, and other related information.

### 5.1 Order controller

#### 5.1.1 POST /gateway/public-supplier/order/list

Resource description	
Definition	Method will return list of the orders.
Detailed description of method in DH API documentation for public supplier	POST /gateway/public-supplier/order/list
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "auto": false,   "dateFrom": "2023-12-01",   "dateTo": "2023-12-01",   "orderId": 100054,   "orderParametersSearch": null,   "orderTypes": [     "data-hr-15min-obj-lvl"   ],   "status": "IV",   "submittedDateFrom": null,</pre>	<pre>[   {     "orderId": 100054,     "orderType": "data-hr-15min-obj-lvl",     "submittedDate": "2024-01-04T10:33:50.769",     "dateFrom": "2023-12-01",     "dateTo": "2023-12-01",     "orderParameters": "{\"consumptionCategories\":[\"P+\",\"P-\"],\"objectNumbers\":[\"20240106\"],\"interval\": \"HOURL\"}",     "latestStatus": "IV",     "statusDate": "2024-01-04T10:33:53.379",</pre>

<pre>"submittedDateTo": null, "userNameSearch": null }</pre>	<pre>"expireDate": "2124-01-05T10:33:52.379", "auto": false, "userName": "PUBLIC" } ]</pre>
<p><b>Possible request 2</b></p>	<p><b>Possible response data 2</b></p>
<pre>{ "auto": false, "dateFrom": null, "dateTo": null, "orderId": null, "orderParametersSearch": null, "orderTypes": null, "status": "IV", "submittedDateFrom": "2024-01-01T00:00:00", "submittedDateTo": null, "userNameSearch": null }</pre>	<pre>[ { "orderId": 100054, "orderType": "data-hr-15min-obj-lvl", "submittedDate": "2024-01-04T10:33:50.769", "dateFrom": "2023-12-01", "dateTo": "2023-12-01", "orderParameters": "{\"consumptionCategories\":[\"P+\", \"P-\"], \"objectNumbers\":[\"20240106\"], \"interval\": \"HOOR\"}", "latestStatus": "IV", "statusDate": "2024-01-04T10:33:53.379", "expireDate": "2124-01-05T10:33:52.379", "auto": false, "userName": "PUBLIC" }, { "orderId": 100063, "orderType": "data-hr-15min-obj-lvl", "submittedDate": "2024-03-07T11:00:00", "dateFrom": "2024-02-20", "dateTo": "2024-02-20", "orderParameters": "{\"consumptionCategories\":[\"P+\", \"P-\"], \"objectNumbers\":[\"20240229\"], \"interval\": \"HOOR\", \"netBilling\": {\"intervalData\": true, \"intervalDataRecalculation\": false, \"intervalDataDetailed\": false}}", "latestStatus": "IV", "statusDate": "2024-03-07T12:01:00", "expireDate": "2122-03-07T10:01:00", "auto": false, "userName": "PUBLIC" }, {</pre>



```
"orderId": 100064,
"orderType": "data-hr-15min-obj-lvl",
"submittedDate": "2024-03-07T11:00:00",
"dateFrom": "2024-02-20",
"dateTo": "2024-02-20",
"orderParameters": "{\"consumptionCategories\":[\"P+\", \"P-
\"], \"objectNumbers\":[\"20240229\"], \"interval\": \"HOURL\", \"netBilling\": {\"intervalData\": true, \"intervalDa
taRecalculation\": false, \"intervalDataDetailed\": true}}",
"latestStatus": "IV",
"statusDate": "2024-03-07T12:01:00",
"expireDate": "2122-03-07T10:01:00",
"auto": false,
"userName": "PUBLIC"
},
{
"orderId": 100065,
"orderType": "data-hr-15min-history-changes",
"submittedDate": "2024-02-29T11:00:00",
"dateFrom": "2024-01-01",
"dateTo": "2024-02-29",
"orderParameters": "{\"objectNumbers\":[\"20240229\"]}",
"latestStatus": "IV",
"statusDate": "2024-02-29T12:01:00",
"expireDate": "2122-03-07T10:01:00",
"auto": false,
"userName": "PUBLIC"
},
{
"orderId": 100066,
"orderType": "data-hr-15min-obj-lvl",
"submittedDate": "2024-03-10T11:00:00",
"dateFrom": "2024-02-20",
"dateTo": "2024-02-20",
"orderParameters": "{\"consumptionCategories\":[\"P+\", \"P-
\"], \"objectNumbers\":[\"20240229\"], \"interval\": \"HOURL\", \"netBilling\": {\"intervalData\": true, \"intervalDa
taRecalculation\": true, \"intervalDataDetailed\": true}}",
"latestStatus": "IV",
"statusDate": "2024-03-10T12:01:00",
"expireDate": "2122-03-07T10:01:00",
```

```
"auto": false,
"userName": "PUBLIC"
},
{
  "orderId": 100075,
  "orderType": "balance-data",
  "submittedDate": "2024-03-04T08:30:48.302",
  "dateFrom": "2024-03-01",
  "dateTo": "2024-03-01",
  "orderParameters": "{\"interval\":\"HOURL\"}",
  "latestStatus": "IV",
  "statusDate": "2024-03-04T08:30:48.624",
  "expireDate": "2124-03-05T08:30:48.624",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100076,
  "orderType": "balance-by-generation-type",
  "submittedDate": "2024-03-04T15:10:36.629",
  "dateFrom": "2024-03-01",
  "dateTo": "2024-03-01",
  "orderParameters": "{\"interval\":\"HOURL\"}",
  "latestStatus": "IV",
  "statusDate": "2024-03-04T15:10:36.952",
  "expireDate": "2124-03-05T15:10:36.952",
  "auto": false,
  "userName": "PUBLIC"
}
]
```

**Possible request 3**

**Possible response data 3**

```
{
  "orderId": null,
  "orderTypes": [
    "balance-data", "balance-by-generation-type"
  ],
  "submittedDateFrom": null,
```

```
[
  {
    "orderId": 100075,
    "orderType": "balance-data",
    "submittedDate": "2024-03-04T08:30:48.302",
    "dateFrom": "2024-03-01",
```

<pre> "submittedDateTo": null, "dateFrom": null, "dateTo": null, "latestStatuses": [   "IV" ], "auto": false, "userNameSearch": null, "orderParametersSearch": null } </pre>	<pre> "dateTo": "2024-03-01", "orderParameters": "{\"interval\":\"HOURL\"}", "latestStatus": "IV", "statusDate": "2024-03-04T08:30:48.624", "expireDate": "2124-03-05T08:30:48.624", "auto": false, "userName": "PUBLIC" }, {   "orderId": 100076,   "orderType": "balance-by-generation-type",   "submittedDate": "2024-03-04T15:10:36.629",   "dateFrom": "2024-03-01",   "dateTo": "2024-03-01",   "orderParameters": "{\"interval\":\"HOURL\"}",   "latestStatus": "IV",   "statusDate": "2024-03-04T15:10:36.952",   "expireDate": "2124-03-05T15:10:36.952",   "auto": false,   "userName": "PUBLIC" } ] </pre>
--	---

### 5.1.2 GET /gateway/public-supplier/order/{orderId}/count

Resource description	
<b>Definition</b>	Method which will return count (number), how many items public supplier will get in ordered report (reports could have more than 1 item, so it is List). It should be used when public supplier needs to split data in few portions. This response should be used in reports' GET methods request, where public supplier can provide method parameters information.
<b>Detailed description of method in DH API documentation for public supplier</b>	GET /gateway/public-supplier/order/{orderId}/count
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
URL parameters: <ul style="list-style-type: none"> <li>• orderId - 100054</li> </ul>	<pre>{   "count": 1 }</pre>

### 5.1.1 POST /gateway/public-supplier/order/data-hr-15min-obj-lvl

Resource description	
<b>Definition</b>	The method is designed for ordering data for “Automated quantities at the object level”. Using this method public supplier can only order the data of objects in public supply.
<b>Detailed description of method in DH API documentation for public supplier</b>	POST /gateway/public-supplier/order/data-hr-15min-obj-lvl
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "consumptionCategories": [     "P+", "P-"   ],   "dateFrom": "2023-12-01",   "dateTo": "2023-12-01",   "interval": "HOUR",   "objectNumbers": [     "20240106"   ] }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

Possible request 2	Possible response data 2
<pre>{   "consumptionCategories": [     "P+",     "P-"   ],   "dateFrom": "2024-02-20",   "dateTo": "2024-02-20",   "interval": "HOUR",   "objectNumbers": [     "20240229"   ],   "netBilling": {     "intervalData": true,     "intervalDataRecalculation": false,     "intervalDataDetailed": false   } }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
Possible request 3	Possible response data 3
<pre>{   "consumptionCategories": [     "P+",     "P-"   ],   "dateFrom": "2024-02-20",   "dateTo": "2024-02-20",   "interval": "HOUR",   "objectNumbers": [     "20240229"   ],   "netBilling": {     "intervalData": true,     "intervalDataRecalculation": false,     "intervalDataDetailed": true   } }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

}	
Possible request 4	Possible response data 4
<pre>{   "consumptionCategories": [     "P+",     "P-"   ],   "dateFrom": "2024-02-01",   "dateTo": "2024-02-29",   "interval": "HOURL",   "objectNumbers": [     "20240229"   ],   "netBilling": {     "intervalData": true,     "intervalDataRecalculation": true,     "intervalDataDetailed": true   } }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 5.1.2 GET /gateway/public-supplier/order/{orderId}/data-hr-15min-obj-lvl

Resource description	
<b>Definition</b>	The method for receive the order report "Automated quantities at the object level".
<b>Detailed description of method in DH API documentation for public supplier</b>	GET /gateway/public-supplier/order/{orderId}/data-hr-15min-obj-lvl
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1	Possible response data 1 (continuation)
<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId - 100054</li> </ul>	<pre>[   {     "personCode": "20241111111",     "personName": "Vardenis9",     "personSurname": "Pavardenis9",     "objectId": 2024012,     "objectNumber": "20240106",     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [           {             "consumptionTime": "2023-12-01T00:00:00+02:00",             "amount": 0.2347,             "valueType": "VAL",             "usageType": null,             "graphVersion": null           },           {             "consumptionTime": "2023-12-01T01:00:00+02:00",             "amount": 0.2851,             "valueType": "VAL",             "usageType": null,             "graphVersion": null           },           {             "consumptionTime": "2023-12-01T02:00:00+02:00",             "amount": 0.2917,             "valueType": "VAL",             "usageType": null,             "graphVersion": null           },           {             "consumptionTime": "2023-12-01T03:00:00+02:00",             "amount": 0.2862,</pre>	<pre>     {       "consumptionCategory": "P-",       "powerPlantObjectNumber": null,       "powerPlantType": null,       "consumptions": [         {           "consumptionTime": "2023-12-01T00:00:00+02:00",           "amount": 0.0001,           "valueType": "VAL",           "usageType": null,           "graphVersion": null         },         {           "consumptionTime": "2023-12-01T01:00:00+02:00",           "amount": 0.0001,           "valueType": "VAL",           "usageType": null,           "graphVersion": null         },         {           "consumptionTime": "2023-12-01T02:00:00+02:00",           "amount": 0.0001,           "valueType": "VAL",           "usageType": null,           "graphVersion": null         },         {           "consumptionTime": "2023-12-01T03:00:00+02:00",           "amount": 0.0002,           "valueType": "VAL",           "usageType": null,           "graphVersion": null         },         {           "consumptionTime": "2023-12-01T04:00:00+02:00",           "amount": 0.0175,           "valueType": "VAL",</pre>

```
"valueType": "VAL",
"usageType": null,
"graphVersion": null
},
{
  "consumptionTime": "2023-12-01T04:00:00+02:00",
  "amount": 0.2444,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T05:00:00+02:00",
  "amount": 0.1524,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T06:00:00+02:00",
  "amount": 0.142,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T07:00:00+02:00",
  "amount": 0.0198,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T08:00:00+02:00",
  "amount": 0.0002,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
},
```

```
"usageType": null,
"graphVersion": null
},
{
  "consumptionTime": "2023-12-01T05:00:00+02:00",
  "amount": 0.0746,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T06:00:00+02:00",
  "amount": 0.0871,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T07:00:00+02:00",
  "amount": 0.5279,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T08:00:00+02:00",
  "amount": 0.9481,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T09:00:00+02:00",
  "amount": 0.9727,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
},
{
```



```
{
  "consumptionTime": "2023-12-01T09:00:00+02:00",
  "amount": 0.0002,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T10:00:00+02:00",
  "amount": 0.003,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T11:00:00+02:00",
  "amount": 0.0051,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T12:00:00+02:00",
  "amount": 0.0022,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T13:00:00+02:00",
  "amount": 0.0001,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T14:00:00+02:00",
  "amount": 0.0001,
  "valueType": "VAL",
```

```
"consumptionTime": "2023-12-01T10:00:00+02:00",
"amount": 0.6111,
"valueType": "VAL",
"usageType": null,
"graphVersion": null
},
{
  "consumptionTime": "2023-12-01T11:00:00+02:00",
  "amount": 0.7153,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T12:00:00+02:00",
  "amount": 0.9416,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T13:00:00+02:00",
  "amount": 1.981,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T14:00:00+02:00",
  "amount": 2.4337,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T15:00:00+02:00",
  "amount": 2.3864,
  "valueType": "VAL",
  "usageType": null,
```

```
"usageType": null,
"graphVersion": null
},
{
  "consumptionTime": "2023-12-01T15:00:00+02:00",
  "amount": 0.0001,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T16:00:00+02:00",
  "amount": 0.0001,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T17:00:00+02:00",
  "amount": 0,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T18:00:00+02:00",
  "amount": 0.0735,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T19:00:00+02:00",
  "amount": 0.2588,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T20:00:00+02:00",
  "amount": 0.0613,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T21:00:00+02:00",
```

```
"graphVersion": null
},
{
  "consumptionTime": "2023-12-01T16:00:00+02:00",
  "amount": 2.1103,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T17:00:00+02:00",
  "amount": 1.4081,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T18:00:00+02:00",
  "amount": 0.5408,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T19:00:00+02:00",
  "amount": 0.0771,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T20:00:00+02:00",
  "amount": 0.0613,
  "valueType": "VAL",
  "usageType": null,
  "graphVersion": null
},
{
  "consumptionTime": "2023-12-01T21:00:00+02:00",
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	<pre> "consumptionTime": "2023-12-01T20:00:00+02:00", "amount": 0.2343, "valueType": "VAL", "usageType": null, "graphVersion": null }, { "consumptionTime": "2023-12-01T21:00:00+02:00", "amount": 0.3292, "valueType": "VAL", "usageType": null, "graphVersion": null }, { "consumptionTime": "2023-12-01T22:00:00+02:00", "amount": 0.2828, "valueType": "VAL", "usageType": null, "graphVersion": null }, { "consumptionTime": "2023-12-01T23:00:00+02:00", "amount": 0.187, "valueType": "VAL", "usageType": null, "graphVersion": null } } ], }, </pre>	<pre> "amount": 0, "valueType": "VAL", "usageType": null, "graphVersion": null }, { "consumptionTime": "2023-12-01T22:00:00+02:00", "amount": 0.0001, "valueType": "VAL", "usageType": null, "graphVersion": null }, { "consumptionTime": "2023-12-01T23:00:00+02:00", "amount": 0, "valueType": "VAL", "usageType": null, "graphVersion": null } ] } ] </pre>
--	--	--

<b>Possible request 2</b>	<b>Possible response data 2</b>	<b>Possible response data 2 (continuation)</b>
---------------------------	---------------------------------	--

<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId – 100063</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's</p>	<pre> [ { "personCode": "2024025555", "personName": "Vardenis", "personSurname": "Pavardenis29", "objectId": 202029, "objectNumber": "20240229", </pre>	<pre> { "consumptionCategory": "P-", "powerPlantObjectNumber": null, "powerPlantType": null, "consumptions": [ { "consumptionTime": "2024-02-20T00:00:00+02:00", </pre>
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20240229  
before  
recalculation.

data  
the

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  {  
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    "powerPlantType": null,  
    "consumptions": [  
      {  
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        "amount": 3.9904,  
        "valueType": "VAL",  
        "usageType": "B",  
        "graphVersion": "2024-03-06T09:00:00+02:00"  
      },  
      {  
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        "amount": 3.9824,  
        "valueType": "VAL",  
        "usageType": "B",  
        "graphVersion": "2024-03-06T09:00:00+02:00"  
      },  
      {  
        "consumptionTime": "2024-02-20T02:00:00+02:00",  
        "amount": 4.0208,  
        "valueType": "VAL",  
        "usageType": "B",  
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      },  
      {  
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        "amount": 4.265,  
        "valueType": "VAL",  
        "usageType": "B",  
        "graphVersion": "2024-03-06T09:00:00+02:00"  
      },  
      {  
        "consumptionTime": "2024-02-20T04:00:00+02:00",  
        "amount": 3.9712,  
        "valueType": "VAL",  
        "usageType": "B",
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```
"amount": 1.8000,  
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"usageType": "B",  
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},  
{  
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  "amount": 2.4000,  
  "valueType": "VAL",  
  "usageType": "B",  
  "graphVersion": "2024-03-06T09:00:00+02:00"  
},  
{  
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  "amount": 4.2050,  
  "valueType": "VAL",  
  "usageType": "B",  
  "graphVersion": "2024-03-06T09:00:00+02:00"  
},  
{  
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  "amount": 2.0000,  
  "valueType": "VAL",  
  "usageType": "B",  
  "graphVersion": "2024-03-06T09:00:00+02:00"  
},  
{  
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  "amount": 4.6000,  
  "valueType": "VAL",  
  "usageType": "B",  
  "graphVersion": "2024-03-06T09:00:00+02:00"  
},  
{  
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  "amount": 8.0000,  
  "valueType": "VAL",  
  "usageType": "B",  
  "graphVersion": "2024-03-06T09:00:00+02:00"
```

```
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T05:00:00+02:00",
  "amount": 4.0176,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 4.0128,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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```

```
},
{
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  "amount": 4.0000,
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
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{
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 6.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
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  "amount": 4.7000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 2.8000,
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```
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T11:00:00+02:00",
"amount": 0.1312,
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"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"graphVersion": "2024-03-06T09:00:00+02:00"
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T14:00:00+02:00",
"amount": 1.0672,
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"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 2.2352,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T12:00:00+02:00",
"amount": 3.1000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T13:00:00+02:00",
"amount": 4.5000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T14:00:00+02:00",
"amount": 5.6000,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 4.2000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"consumptionTime": "2024-02-20T16:00:00+02:00",
"amount": 4.4000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
}
```

```
},
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  "amount": 3.8992,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T17:00:00+02:00",
  "amount": 4.0192,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 4.2448,
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
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{
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  "amount": 4.0528,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
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  "amount": 4.0752,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T21:00:00+02:00",
  "amount": 6.0688,
```

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{
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  "amount": 9.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 6.5000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 3.8000,
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 4.2100,
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  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 5.6000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T22:00:00+02:00",
  "amount": 4.0000,
  "valueType": "VAL",
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	<pre> "valueType": "VAL", "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" }, { "consumptionTime": "2024-02-20T22:00:00+02:00", "amount": 2.0736, "valueType": "VAL", "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" }, { "consumptionTime": "2024-02-20T23:00:00+02:00", "amount": 8.0912, "valueType": "VAL", "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" } ] </pre>	<pre> "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" }, { "consumptionTime": "2024-02-20T23:00:00+02:00", "amount": 7.5000, "valueType": "VAL", "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" } ] </pre>
--	--	---

<b>Possible request 3</b>	<b>Possible response data 3</b>	<b>Possible response data 3 (continuation)</b>
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<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId - 100064</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's 20240229 data before the recalculation.</p>	<pre> [ { "personCode": "20240255555", "personName": "Vardenis", "personSurname": "Pavardenis29", "objectId": 202029, "objectNumber": "20240229", "consumptionCategories": [ { "consumptionCategory": "P+", "powerPlantObjectNumber": null, "powerPlantType": null, "consumptions": [ { "consumptionTime": "2024-02-20T00:00:00+02:00", "amount": 3.9904, </pre>	<pre> { "consumptionTime": "2024-02-20T12:00:00+02:00", "amount": 1.5000, "valueType": "VAL", "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" }, { "consumptionTime": "2024-02-20T13:00:00+02:00", "amount": 1.5000, "valueType": "VAL", "usageType": "B", "graphVersion": "2024-03-06T09:00:00+02:00" }, { "consumptionTime": "2024-02-20T14:00:00+02:00", </pre>
---	--	--



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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 3.9824,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 4.0208,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
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"amount": 4.265,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T04:00:00+02:00",
"amount": 3.9712,
"valueType": "VAL",
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"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T05:00:00+02:00",
"amount": 4.0176,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
}
```

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},
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"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 1.1000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 4.0000,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 3.0000,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 4.5000,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"consumptionTime": "2024-02-20T19:00:00+02:00",
"amount": 1.4000,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
}
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},
{
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  "amount": 3.9872,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 3.8496,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 2.9632,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 1.2976,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T11:00:00+02:00",
  "amount": 0.1312,
  "valueType": "VAL",
},
{
  "consumptionTime": "2024-02-20T20:00:00+02:00",
  "amount": 3.2100,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T22:00:00+02:00",
  "amount": 3.5000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
},
{
  "consumptionTime": "2024-02-20T23:00:00+02:00",
  "amount": 3.5000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-06T09:00:00+02:00"
}
]
},
{
  "consumptionCategory": "P-",
  "powerPlantObjectNumber": "20240231",
  "powerPlantType": "S",
  "consumptions": [
    {
      "consumptionTime": "2024-02-20T00:00:00+02:00",
      "amount": 0.8000,

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"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 0.2368,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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},
{
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 2.2352,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"consumptionTime": "2024-02-20T16:00:00+02:00",
"amount": 3.8992,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
```

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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"consumptionTime": "2024-02-20T02:00:00+02:00",
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T03:00:00+02:00",
"amount": 1.0000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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  "usageType": "B",  
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	<pre> }, {   "consumptionTime": "2024-02-20T09:00:00+02:00",   "amount": 2.0000,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" }, {   "consumptionTime": "2024-02-20T10:00:00+02:00",   "amount": 2.3000,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" }, {   "consumptionTime": "2024-02-20T11:00:00+02:00",   "amount": 1.2000,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" }, </pre>	<pre> "graphVersion": "2024-03-06T09:00:00+02:00" }, {   "consumptionTime": "2024-02-20T23:00:00+02:00",   "amount": 4.0000,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" } ] ] ] ] </pre>
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<b>Possible request 4</b>	<b>Possible response data 4</b>	<b>Possible response data 4 (continuation)</b>
---------------------------	---------------------------------	--

<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId – 100066</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's 20240229 data after the recalculation.</p>	<pre> [   {     "personCode": "20240255555",     "personName": "Vardenis",     "personSurname": "Pavardenis29",     "objectId": 202029,     "objectNumber": "20240229",     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [ </pre>	<pre> {   "consumptionTime": "2024-02-20T13:00:00+02:00",   "amount": 1.5000,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-10T11:30:00+02:00" }, {   "consumptionTime": "2024-02-20T14:00:00+02:00",   "amount": 1.3000,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-10T11:30:00+02:00" } </pre>
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"graphVersion": "2024-03-10T11:30:00+02:00"
},
{
"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 3.1000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-10T11:30:00+02:00"
},
{
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"amount": 0.4000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-10T11:30:00+02:00"
},
{
"consumptionTime": "2024-02-20T17:00:00+02:00",
"amount": 6.0000,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-10T11:30:00+02:00"
}

```

```
{
  "consumptionTime": "2024-02-20T03:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T04:00:00+02:00",
  "amount": 1.6000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T05:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T06:00:00+02:00",
  "amount": 2.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T07:00:00+02:00",
  "amount": 1.5000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 2.0000,
  "valueType": "VAL",
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 2.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T19:00:00+02:00",
  "amount": 2.4000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T20:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T21:00:00+02:00",
  "amount": 2.6000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T22:00:00+02:00",
  "amount": 0.5000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T23:00:00+02:00",
  "amount": 4.0000,
```

```
"usageType": "B",
"graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T09:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T10:00:00+02:00",
  "amount": 2.3000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T11:00:00+02:00",
  "amount": 1.2000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
{
  "consumptionTime": "2024-02-20T12:00:00+02:00",
  "amount": 1.5000,
  "valueType": "VAL",
  "usageType": "B",
  "graphVersion": "2024-03-10T11:30:00+02:00"
},
}
```

```
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-10T11:30:00+02:00"
```

```
}
]
}
]
}
]
```

### 5.1.3 POST /gateway/public-supplier/order/data-hr-15min-history-changes

Resource description	
Definition	The method is intended for ordering interval data change report.
Detailed description of method in DH API documentation for public supplier	POST /gateway/public-supplier/order/data-hr-15min-history-changes
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "dateFrom": "2024-01-01",   "objectNumbers": [     "20240229"   ] }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 5.1.4 GET /gateway/public-supplier/order/{orderId}/data-hr-15min-history-changes

Resource description	
Definition	The method is designed to obtain interval data change report.
Detailed description of method in DH API documentation for public supplier	GET /gateway/public-supplier/order/{orderId}/data-hr-15min-history-changes
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
URL parameters: <ul style="list-style-type: none"> <li>• orderId - 100065</li> </ul>	<pre>[   {     "personCode": "20240255555",     "personName": "Vardenis",     "personSurname": "Pavardenis29",     "objectNumber": "20240229",     "periodsWithChanges": [       {         "billingPeriod": "2024-02",         "reasons": [           "GENERATION_CHANGE"         ]       }     ]   } ]</pre>

### 5.1.5 POST /gateway/public-supplier/order/balance-data

Resource description	
<b>Definition</b>	The method is intended for ordering balance data report
<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/public-supplier/order/balance-data
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>



Possible request 1	Possible response data 1
<pre>{   "dateFrom": "2024-03-01",   "dateTo": "2024-03-01",   "interval": "HOUR" }</pre>	<pre>{   "orderId": <b>[a new Id is generated]</b> }</pre>

### 5.1.6 GET /gateway/public-supplier/order/{orderId}/balance-data

Resource description	
<b>Definition</b>	The method is used to obtain the report "Balance data"
<b>Detailed description of method in API documentation (ENG)</b>	GET /gateway/public-supplier/order/{orderId}/balance-data
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
URL parameters: <ul style="list-style-type: none"> <li>orderId - 100075</li> </ul>	<pre>{   "timeSeriesData": [     {       "intervalDateTime": "2024-03-01T00:00:00+02:00",       "valueOfGeneration": 0.01,       "valueOfConsumption": 0.03     },     {       "intervalDateTime": "2024-03-01T01:00:00+02:00",       "valueOfGeneration": 0.008,       "valueOfConsumption": 0.022     }   ] }</pre>

```
},
{
  "intervalDateTime": "2024-03-01T02:00:00+02:00",
  "valueOfGeneration": 0.019,
  "valueOfConsumption": 0.021
},
{
  "intervalDateTime": "2024-03-01T03:00:00+02:00",
  "valueOfGeneration": 0.004,
  "valueOfConsumption": 0.026
},
{
  "intervalDateTime": "2024-03-01T04:00:00+02:00",
  "valueOfGeneration": 0.003,
  "valueOfConsumption": 0.021
},
{
  "intervalDateTime": "2024-03-01T05:00:00+02:00",
  "valueOfGeneration": 0.004,
  "valueOfConsumption": 0.029
},
{
  "intervalDateTime": "2024-03-01T06:00:00+02:00",
  "valueOfGeneration": 0.015,
  "valueOfConsumption": 0.021
},
{
  "intervalDateTime": "2024-03-01T07:00:00+02:00",
  "valueOfGeneration": 0.007,
  "valueOfConsumption": 0.027
},
{
  "intervalDateTime": "2024-03-01T08:00:00+02:00",
  "valueOfGeneration": 0.007,
  "valueOfConsumption": 0.021
},
{
  "intervalDateTime": "2024-03-01T09:00:00+02:00",
  "valueOfGeneration": 0.009,
```

```
"valueOfConsumption": 0.032
},
{
  "intervalDateTime": "2024-03-01T10:00:00+02:00",
  "valueOfGeneration": 0.008,
  "valueOfConsumption": 0.025
},
{
  "intervalDateTime": "2024-03-01T11:00:00+02:00",
  "valueOfGeneration": 0.004,
  "valueOfConsumption": 0.029
},
{
  "intervalDateTime": "2024-03-01T12:00:00+02:00",
  "valueOfGeneration": 0.018,
  "valueOfConsumption": 0.026
},
{
  "intervalDateTime": "2024-03-01T13:00:00+02:00",
  "valueOfGeneration": 0.017,
  "valueOfConsumption": 0.036
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{
  "intervalDateTime": "2024-03-01T14:00:00+02:00",
  "valueOfGeneration": 0.014,
  "valueOfConsumption": 0.039
},
{
  "intervalDateTime": "2024-03-01T15:00:00+02:00",
  "valueOfGeneration": 0.009,
  "valueOfConsumption": 0.029
},
{
  "intervalDateTime": "2024-03-01T16:00:00+02:00",
  "valueOfGeneration": 0.007,
  "valueOfConsumption": 0.027
},
{
  "intervalDateTime": "2024-03-01T17:00:00+02:00",
```

```
"valueOfGeneration": 0.005,
"valueOfConsumption": 0.026
},
{
  "intervalDateTime": "2024-03-01T18:00:00+02:00",
  "valueOfGeneration": 0.008,
  "valueOfConsumption": 0.022
},
{
  "intervalDateTime": "2024-03-01T19:00:00+02:00",
  "valueOfGeneration": 0.017,
  "valueOfConsumption": 0.023
},
{
  "intervalDateTime": "2024-03-01T20:00:00+02:00",
  "valueOfGeneration": 0.008,
  "valueOfConsumption": 0.024
},
{
  "intervalDateTime": "2024-03-01T21:00:00+02:00",
  "valueOfGeneration": 0.016,
  "valueOfConsumption": 0.022
},
{
  "intervalDateTime": "2024-03-01T22:00:00+02:00",
  "valueOfGeneration": 0.009,
  "valueOfConsumption": 0.029
},
{
  "intervalDateTime": "2024-03-01T23:00:00+02:00",
  "valueOfGeneration": 0.009,
  "valueOfConsumption": 0.027
}
]
}
```

### 5.1.7 POST /gateway/public-supplier/order/balance-by-generation-type

Resource description	
Definition	The method is intended for ordering "Balance by generation type" report
Detailed description of method in API documentation (ENG)	POST /gateway/public-supplier/order/balance-by-generation-type
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "generationType": "S",   "generationCategory": null,   "dateFrom": "2024-03-01",   "dateTo": "2024-03-01",   "interval": "HOUR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 5.1.8 GET /gateway/public-supplier/order/{orderId}/balance-by-generation-type

Resource description	
Definition	The method is used to obtain the report "Balance by generation type"
Detailed description of method in API documentation (ENG)	GET /gateway/public-supplier/order/{orderId}/balance-by-generation-type
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1	Possible response data 1 (continuation)
<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId - 100076</li> </ul>	<pre>[   {     "generationType": "S",     "timeSeriesData": [       {         "intervalDateTime": "2024-03-01T00:00:00+02:00",         "generationCategories": [           {             "generationCategory": "PRODUCERS",             "valueOfGeneration": 0.012           },           {             "generationCategory": "PROSUMERS",             "valueOfGeneration": 9.568           },           {             "generationCategory": "UNALLOCATED",             "valueOfGeneration": 0           },           {             "generationCategory": "REMOTE-PROSUMERS",             "valueOfGeneration": 0           }         ]       },       {         "intervalDateTime": "2024-03-01T01:00:00+02:00",         "generationCategories": [           {             "generationCategory": "PRODUCERS",             "valueOfGeneration": 0.014           },           {             "generationCategory": "PROSUMERS",             "valueOfGeneration": 9.522           }         ]       }     ]   } ]</pre>	<pre>{   "intervalDateTime": "2024-03-01T12:00:00+02:00",   "generationCategories": [     {       "generationCategory": "PRODUCERS",       "valueOfGeneration": 0.119     },     {       "generationCategory": "PROSUMERS",       "valueOfGeneration": 9.536     },     {       "generationCategory": "UNALLOCATED",       "valueOfGeneration": 0     },     {       "generationCategory": "REMOTE-PROSUMERS",       "valueOfGeneration": 0.498     }   ] }, {   "intervalDateTime": "2024-03-01T13:00:00+02:00",   "generationCategories": [     {       "generationCategory": "PRODUCERS",       "valueOfGeneration": 0.014     },     {       "generationCategory": "PROSUMERS",       "valueOfGeneration": 9.456     },     {       "generationCategory": "UNALLOCATED",       "valueOfGeneration": 0     }   ] }</pre>

```
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.401
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T02:00:00+02:00",
  "generationCategories": [
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      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.13
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.255
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0.444
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.488
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T03:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.111
    },
```

```
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.499
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T14:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.015
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.566
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.501
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T15:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.014
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.555
    },
```

```
{
  "generationCategory": "PROSUMERS",
  "valueOfGeneration": 9.654
},
{
  "generationCategory": "UNALLOCATED",
  "valueOfGeneration": 0
},
{
  "generationCategory": "REMOTE-PROSUMERS",
  "valueOfGeneration": 0.5
}
]
},
{
  "intervalDateTime": "2024-03-01T04:00:00+02:00",
  "generationCategories": [
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      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.254
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.111
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.658
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T05:00:00+02:00",
  "generationCategories": [
    {
```

```
{
  "generationCategory": "UNALLOCATED",
  "valueOfGeneration": 0
},
{
  "generationCategory": "REMOTE-PROSUMERS",
  "valueOfGeneration": 0.502
}
]
},
{
  "intervalDateTime": "2024-03-01T16:00:00+02:00",
  "generationCategories": [
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      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.015
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.658
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.498
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T17:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.012
    },
    {
```



```
    "generationCategory": "PRODUCERS",
    "valueOfGeneration": 0.012
  },
  {
    "generationCategory": "PROSUMERS",
    "valueOfGeneration": 9.255
  },
  {
    "generationCategory": "UNALLOCATED",
    "valueOfGeneration": 0
  },
  {
    "generationCategory": "REMOTE-PROSUMERS",
    "valueOfGeneration": 0.588
  }
]
},
{
  "intervalDateTime": "2024-03-01T06:00:00+02:00",
  "generationCategories": [
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      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.025
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.177
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.505
    }
  ]
},
{
```

```
    "generationCategory": "PROSUMERS",
    "valueOfGeneration": 9.575
  },
  {
    "generationCategory": "UNALLOCATED",
    "valueOfGeneration": 0
  },
  {
    "generationCategory": "REMOTE-PROSUMERS",
    "valueOfGeneration": 0.484
  }
]
},
{
  "intervalDateTime": "2024-03-01T18:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.013
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.658
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.498
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T19:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
```

```
"intervalDateTime": "2024-03-01T07:00:00+02:00",
"generationCategories": [
  {
    "generationCategory": "PRODUCERS",
    "valueOfGeneration": 0.012
  },
  {
    "generationCategory": "PROSUMERS",
    "valueOfGeneration": 9.365
  },
  {
    "generationCategory": "UNALLOCATED",
    "valueOfGeneration": 0
  },
  {
    "generationCategory": "REMOTE-PROSUMERS",
    "valueOfGeneration": 0.412
  }
]
},
{
  "intervalDateTime": "2024-03-01T08:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.133
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.688
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.566
    }
  ]
}
```

```
"valueOfGeneration": 0.013
},
{
  "generationCategory": "PROSUMERS",
  "valueOfGeneration": 9.452
},
{
  "generationCategory": "UNALLOCATED",
  "valueOfGeneration": 0
},
{
  "generationCategory": "REMOTE-PROSUMERS",
  "valueOfGeneration": 0.502
}
]
},
{
  "intervalDateTime": "2024-03-01T20:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.01
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.566
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.5
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T21:00:00+02:00",
```

```
]
},
{
  "intervalDateTime": "2024-03-01T09:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.132
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.652
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.501
    }
  ]
},
{
  "intervalDateTime": "2024-03-01T10:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.135
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.725
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
```

```
"generationCategories": [
  {
    "generationCategory": "PRODUCERS",
    "valueOfGeneration": 0.013
  },
  {
    "generationCategory": "PROSUMERS",
    "valueOfGeneration": 9.555
  },
  {
    "generationCategory": "UNALLOCATED",
    "valueOfGeneration": 0
  },
  {
    "generationCategory": "REMOTE-PROSUMERS",
    "valueOfGeneration": 0.487
  }
],
{
  "intervalDateTime": "2024-03-01T22:00:00+02:00",
  "generationCategories": [
    {
      "generationCategory": "PRODUCERS",
      "valueOfGeneration": 0.012
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.548
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.505
    }
  ]
}
```

```
        "generationCategory": "REMOTE-PROSUMERS",
        "valueOfGeneration": 0.498
    }
]
},
{
    "intervalDateTime": "2024-03-01T11:00:00+02:00",
    "generationCategories": [
        {
            "generationCategory": "PRODUCERS",
            "valueOfGeneration": 0.124
        },
        {
            "generationCategory": "PROSUMERS",
            "valueOfGeneration": 9.652
        },
        {
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