

# DH Sandbox API documentation for guaranteed 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/guaranteed-supplier/order/data-hr-15min-history-changes</li><li>• GET/gateway/guaranteed-supplier/order/{orderId}/data-hr-15min-history-changes</li></ul> <p>Added new possible requests and responses (3, 4, 5) in method:</p> <ul style="list-style-type: none"><li>• POST/gateway/guaranteed-supplier/order/data-hr-15min-obj-lvl</li></ul> <p>Added new possible requests and responses (3, 4, 5) in method:</p> <ul style="list-style-type: none"><li>• GET /gateway/guaranteed-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/guaranteed-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/guaranteed-supplier/order/balance-data</li><li>• POST/gateway/guaranteed-supplier/order/balance-by-generation-type</li><li>• GET/gateway/guaranteed-supplier/order/{orderId}/balance-data</li><li>• GET/gateway/guaranteed-supplier/order/{orderId}/balance-by-generation-type</li></ul> <p>In method POST/gateway/guaranteed-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>

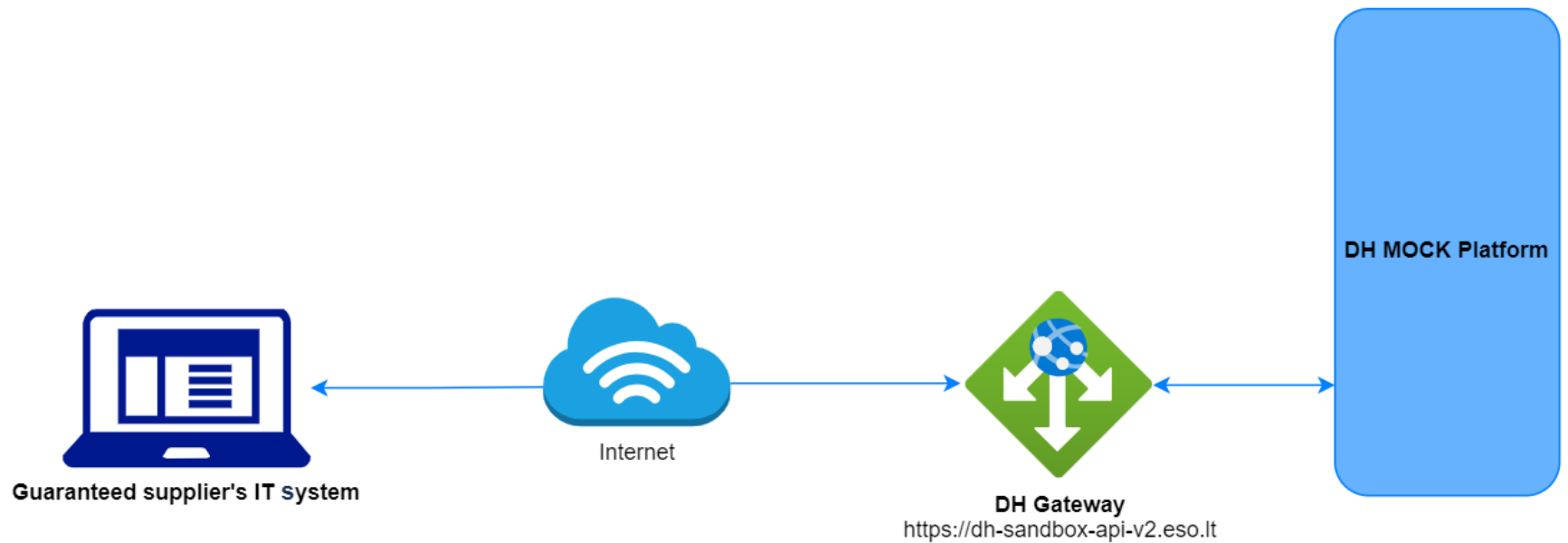
**Note:** Changes in table marked in white are already deployed, marked in green will be deployed in near future.

## 2 Preface

The Common Data Exchange Platform (hereinafter referred as *DH Platform*) Gateway is a component enabling guaranteed 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 guaranteed 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 guaranteed supplier's information systems with DH Platform.



### 3 Environments

There are two DH Gateway environments the guaranteed 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 guaranteed supplier is established using a TOKEN, which the guaranteed 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.



<pre>"userNameSearch": null }</pre>	<pre>"auto": false, "userName": "PUBLIC" }, { "orderId": 100053, "orderType": "data-hr-15min-obj-lvl", "submittedDate": "2024-01-04T11:08:04.494", "dateFrom": "2023-12-01", "dateTo": "2023-12-01", "orderParameters": "{\"consumptionCategories\":[\"P+\"],\"objectNumbers\":[\"20240105\"],\"interval\": \"HOURL\"}", "latestStatus": "IV", "statusDate": "2024-01-04T11:08:06.586", "expireDate": "2124-01-05T11:08:06.586", "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": 100052, "orderType": "data-hr-15min-obj-lvl", "submittedDate": "2024-01-04T07:50:17.811", "dateFrom": "2023-12-01", "dateTo": "2023-12-01", "orderParameters": "{\"consumptionCategories\":[\"P+\"],\"P-\", \"objectNumbers\":[\"20240104\"],\"interval\": \"HOURL\"}", "latestStatus": "IV", "statusDate": "2024-01-04T07:50:20.966", "expireDate": "2124-01-05T07:50:20.966", "auto": false, "userName": "PUBLIC" }, { "orderId": 100053, "orderType": "data-hr-15min-obj-lvl",</pre>

```
"submittedDate": "2024-01-04T11:08:04.494",
"dateFrom": "2023-12-01",
"dateTo": "2023-12-01",
"orderParameters":
{"consumptionCategories":["P+"],"objectNumbers":["20240105"],"interval":"HOUR"},
  "latestStatus": "IV",
  "statusDate": "2024-01-04T11:08:06.586",
  "expireDate": "2124-01-05T11:08:06.586",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100067,
  "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":["20240226"],"interval":"HOUR","netBilling":{"intervalData":true,"intervalID
ataRecalculation":false,"intervalDataDetailed":false}},
  "latestStatus": "IV",
  "statusDate": "2024-03-07T12:01:00",
  "expireDate": "2122-03-07T10:01:00",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100068,
  "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":["20240226"],"interval":"HOUR","netBilling":{"intervalData":true,"intervalID
ataRecalculation":false,"intervalDataDetailed":true}},
  "latestStatus": "IV",
  "statusDate": "2024-03-07T12:01:00",
  "expireDate": "2122-03-07T10:01:00",
  "auto": false,
```



```
"userName": "PUBLIC"
},
{
  "orderId": 100069,
  "orderType": "data-hr-15min-history-changes",
  "submittedDate": "2024-03-10T11:00:00",
  "dateFrom": "2024-01-01",
  "dateTo": "2024-02-29",
  "orderParameters": "{\"objectNumbers\": [\"20240226\"]}",
  "latestStatus": "IV",
  "statusDate": "2024-03-10T12:01:00",
  "expireDate": "2122-03-07T10:01:00",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100070,
  "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\": [\"20240226\"], \"interval\": \"HOURL\", \"netBilling\": {\"intervalData\": true, \"intervalDataRecalculation\": true, \"intervalDataDetailed\": true}}",
  "latestStatus": "IV",
  "statusDate": "2024-03-10T12:01:00",
  "expireDate": "2122-03-07T10:01:00",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100077,
  "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",
```

	<pre> "expireDate": "2124-03-05T08:30:48.624", "auto": false, "userName": "PUBLIC" }, { "orderId": 100078, "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>
<p><b>Possible request 3</b></p>	<p><b>Possible response data 3</b></p>
<pre> { "orderId": null, "orderTypes": [ "balance-data", "balance-by-generation-type" ], "submittedDateFrom": null, "submittedDateTo": null, "dateFrom": null, "dateTo": null, "latestStatuses": [ "IV" ], "auto": false, "userNameSearch": null, "orderParametersSearch": null } </pre>	<pre> [ { "orderId": 100077, "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": 100078, "orderType": "balance-by-generation-type", "submittedDate": "2024-03-04T15:10:36.629", </pre>

```

    "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"
  }
]

```

### 5.1.2 POST/gateway/guaranteed-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 guaranteed supplier can only order the data of objects in guaranteed supply.
<b>Detailed description of method in DH API documentation for guaranteed supplier</b>	POST/gateway/guaranteed-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": "HOURL",   "objectNumbers": [     "20240104"   ] } </pre>	<pre> {   "orderId": [a new Id is generated] } </pre>

<pre>] }</pre>	
<b>Possible request 2</b>	<b>Possible response data 2</b>
<pre>{   "consumptionCategories": [     "P+"   ],   "dateFrom": "2023-12-01",   "dateTo": "2023-12-01",   "interval": "HOUR",   "objectNumbers": [     "20240105"   ] }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
<b>Possible request 3</b>	<b>Possible response data 3</b>
<pre>{   "consumptionCategories": [     "P+",     "P-"   ],   "dateFrom": "2024-02-20",   "dateTo": "2024-02-20",   "interval": "HOUR",   "objectNumbers": [     "20240226"   ],   "netBilling": {     "intervalData": true,     "intervalDataRecalculation": false,     "intervalDataDetailed": false   } }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
<b>Possible request 4</b>	<b>Possible response data 4</b>

```
{
  "consumptionCategories": [
    "P+",
    "P-"
  ],
  "dateFrom": "2024-02-20",
  "dateTo": "2024-02-20",
  "interval": "HOUR",
  "objectNumbers": [
    "20240226"
  ],
  "netBilling": {
    "intervalData": true,
    "intervalDataRecalculation": false,
    "intervalDataDetailed": true
  }
}
```

```
{
  "orderId": [a new Id is generated]
}
```

#### Possible request 5

#### Possible response data 5

```
{
  "consumptionCategories": [
    "P+",
    "P-"
  ],
  "dateFrom": "2024-02-01",
  "dateTo": "2024-02-29",
  "interval": "HOUR",
  "objectNumbers": [
    "20240226"
  ],
  "netBilling": {
    "intervalData": true,
    "intervalDataRecalculation": true,
    "intervalDataDetailed": true
  }
}
```

```
{
  "orderId": [a new Id is generated]
}
```

### 5.1.3 GET/gateway/guaranteed-supplier/order/{orderId}/count

Resource description	
<b>Definition</b>	Method which will return count (number), how many items the guaranteed supplier will get in ordered report (reports could have more than 1 item, so it is List). It should be used when the guaranteed supplier needs to split data in few portions. This response should be used in reports' GET methods request, where guaranteed supplier can provide method parameters information.
<b>Detailed description of method in DH API documentation for guaranteed supplier</b>	GET/gateway/guaranteed-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 - 100052</li></ul>	<pre>{   "count": 1 }</pre>

### 5.1.4 GET /gateway/guaranteed-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 guaranteed supplier</b>	GET /gateway/guaranteed-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 – 100052</li> </ul>	<pre>[   {     "personCode": "202401040",     "personName": "Įmonės pavadinimas 205",     "personSurname": null,     "objectId": 2024010,     "objectNumber": "20240104",     "graphVersion": null,     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [           {             "consumptionTime": "2023-12-01T00:00:00+02:00",             "amount": 0.002,             "valueType": "VAL",             "usageType": null           },           {             "consumptionTime": "2023-12-01T01:00:00+02:00",             "amount": 0,             "valueType": "VAL",             "usageType": null           },           {             "consumptionTime": "2023-12-01T02:00:00+02:00",             "amount": 0.002,             "valueType": "VAL",             "usageType": null           },           {             "consumptionTime": "2023-12-01T03:00:00+02:00",             "amount": 0.002,             "valueType": "VAL",             "usageType": null           }         ]       }     ]   } ]</pre>	<pre>{   "consumptionCategory": "P-",   "powerPlantObjectNumber": null,   "powerPlantType": null,   "consumptions": [     {       "consumptionTime": "2023-12-01T00:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null     },     {       "consumptionTime": "2023-12-01T01:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null     },     {       "consumptionTime": "2023-12-01T02:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null     },     {       "consumptionTime": "2023-12-01T03:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null     },     {       "consumptionTime": "2023-12-01T04:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null     },     {       "consumptionTime": "2023-12-01T05:00:00+02:00", </pre>

```
  },
  {
    "consumptionTime": "2023-12-01T04:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T05:00:00+02:00",
    "amount": 0.002,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T06:00:00+02:00",
    "amount": 0.002,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T07:00:00+02:00",
    "amount": 0.012,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T08:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T09:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T10:00:00+02:00",
```

```
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T06:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T07:00:00+02:00",
    "amount": 0.09,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T08:00:00+02:00",
    "amount": 0.754,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T09:00:00+02:00",
    "amount": 5.086,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T10:00:00+02:00",
    "amount": 1.92,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T11:00:00+02:00",
    "amount": 2.094,
    "valueType": "VAL",
    "usageType": null
```



```
"amount": 0,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T11:00:00+02:00",
"amount": 0,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T12:00:00+02:00",
"amount": 0,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T13:00:00+02:00",
"amount": 0,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T14:00:00+02:00",
"amount": 0,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T15:00:00+02:00",
"amount": 0,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T16:00:00+02:00",
"amount": 0.016,
"valueType": "VAL",
"usageType": null
```

```
},
{
"consumptionTime": "2023-12-01T12:00:00+02:00",
"amount": 1.618,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T13:00:00+02:00",
"amount": 1.742,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T14:00:00+02:00",
"amount": 2.436,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T15:00:00+02:00",
"amount": 1.864,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T16:00:00+02:00",
"amount": 0.258,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T17:00:00+02:00",
"amount": 0.008,
"valueType": "VAL",
"usageType": null
},
{
"consumptionTime": "2023-12-01T18:00:00+02:00",
```

```
    },
    {
      "consumptionTime": "2023-12-01T17:00:00+02:00",
      "amount": 0.028,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T18:00:00+02:00",
      "amount": 0.002,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T19:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T20:00:00+02:00",
      "amount": 0.002,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T21:00:00+02:00",
      "amount": 0.002,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T22:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T23:00:00+02:00",
```

```
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T19:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T20:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T21:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T22:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    },
    {
      "consumptionTime": "2023-12-01T23:00:00+02:00",
      "amount": 0,
      "valueType": "VAL",
      "usageType": null
    }
  ]
}
```

	<pre> "amount": 0.002, "valueType": "VAL", "usageType": 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 - 100053</li> </ul>	<pre> [   {     "personCode": "20242024014",     "personName": "Vardenis10",     "personSurname": "Pavardenis10",     "objectId": 2024011,     "objectNumber": "20240105",     "graphVersion": null,     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [           {             "consumptionTime": "2023-12-01T00:00:00+02:00",             "amount": 0.2517,             "valueType": "VAL",             "usageType": null           },           {             "consumptionTime": "2023-12-01T01:00:00+02:00",             "amount": 0.2612,             "valueType": "VAL",             "usageType": null           },           {             "consumptionTime": "2023-12-01T02:00:00+02:00",             "amount": 0.2627,             "valueType": "VAL", </pre>	<pre> {   "consumptionTime": "2023-12-01T11:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null }, {   "consumptionTime": "2023-12-01T12:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null }, {   "consumptionTime": "2023-12-01T13:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null }, {   "consumptionTime": "2023-12-01T14:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null }, {   "consumptionTime": "2023-12-01T15:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null }, </pre>

```

    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T03:00:00+02:00",
    "amount": 0.2188,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T04:00:00+02:00",
    "amount": 0.0565,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T05:00:00+02:00",
    "amount": 0.0008,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T06:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T07:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T08:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T16:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T17:00:00+02:00",
    "amount": 0,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T18:00:00+02:00",
    "amount": 0.0001,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T19:00:00+02:00",
    "amount": 0.0065,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T20:00:00+02:00",
    "amount": 0.2129,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T21:00:00+02:00",
    "amount": 0.2476,
    "valueType": "VAL",
    "usageType": null
  },
  {
    "consumptionTime": "2023-12-01T22:00:00+02:00",
    "amount": 0.2613,

```

	<pre> "consumptionTime": "2023-12-01T09:00:00+02:00", "amount": 0, "valueType": "VAL", "usageType": null }, { "consumptionTime": "2023-12-01T10:00:00+02:00", "amount": 0, "valueType": "VAL", "usageType": null } }, ] } ] } ] </pre>	<pre> "valueType": "VAL", "usageType": null }, { "consumptionTime": "2023-12-01T23:00:00+02:00", "amount": 0.2641, "valueType": "VAL", "usageType": null } ] } ] } ] </pre>
--	--	---

Possible request 3	Possible response data 3	Possible response data 3 (continuation)
--------------------	--------------------------	---

<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId – 100067</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's 20240226 data before the recalculation.</p>	<pre> [ { "personCode": "20240244444", "personName": "Vardenis", "personSurname": "Pavardenis26", "objectId": 202026, "objectNumber": "20240226", "graphVersion": "2024-03-06T09:00:00+02:00", "consumptionCategories": [ { "consumptionCategory": "P+", "powerPlantObjectNumber": null, "powerPlantType": null, "consumptions": [ { "consumptionTime": "2024-02-20T00:00:00+02:00", "amount": 3.9904, "valueType": "VAL", "usageType": "B" } }, ] } ] </pre>	<pre> { "consumptionCategory": "P-", "powerPlantObjectNumber": null, "powerPlantType": null, "consumptions": [ { "consumptionTime": "2024-02-20T00:00:00+02:00", "amount": 1.8000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T01:00:00+02:00", "amount": 2.4000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T02:00:00+02:00", "amount": 4.2050, "valueType": "VAL", </pre>
---	---	---

```
"consumptionTime": "2024-02-20T01:00:00+02:00",
"amount": 3.9824,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T02:00:00+02:00",
"amount": 4.0208,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T03:00:00+02:00",
"amount": 4.265,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T04:00:00+02:00",
"amount": 3.9712,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T05:00:00+02:00",
"amount": 4.0176,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T06:00:00+02:00",
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"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T07:00:00+02:00",
"amount": 3.9872,
"valueType": "VAL",
```

```
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T03:00:00+02:00",
"amount": 2.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T04:00:00+02:00",
"amount": 4.6000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T05:00:00+02:00",
"amount": 8.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T06:00:00+02:00",
"amount": 4.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T07:00:00+02:00",
"amount": 5.5000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T08:00:00+02:00",
"amount": 6.0000,
"valueType": "VAL",
"usageType": "B"
},
{
```

```
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 3.8496,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T09:00:00+02:00",
  "amount": 2.9632,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T10:00:00+02:00",
  "amount": 1.2976,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T11:00:00+02:00",
  "amount": 0.1312,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T12:00:00+02:00",
  "amount": 0.2368,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T13:00:00+02:00",
  "amount": 2.4081,
  "valueType": "VAL",
  "usageType": "B"
},
{
```

```
"consumptionTime": "2024-02-20T09:00:00+02:00",
"amount": 7.0000,
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T10:00:00+02:00",
  "amount": 4.7000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T11:00:00+02:00",
  "amount": 2.8000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T12:00:00+02:00",
  "amount": 3.1000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T13:00:00+02:00",
  "amount": 4.5000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T14:00:00+02:00",
  "amount": 5.6000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T15:00:00+02:00",
  "amount": 4.2000,
  "valueType": "VAL",
```

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"consumptionTime": "2024-02-20T14:00:00+02:00",
"amount": 1.0672,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 2.2352,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T16:00:00+02:00",
"amount": 3.8992,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T17:00:00+02:00",
"amount": 4.0192,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T18:00:00+02:00",
"amount": 4.2448,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T19:00:00+02:00",
"amount": 4.0528,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T20:00:00+02:00",
"amount": 4.0752,
"valueType": "VAL",
```

```
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T16:00:00+02:00",
"amount": 4.4000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T17:00:00+02:00",
"amount": 9.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T18:00:00+02:00",
"amount": 6.5000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T19:00:00+02:00",
"amount": 3.8000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T20:00:00+02:00",
"amount": 4.2100,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T21:00:00+02:00",
"amount": 5.6000,
"valueType": "VAL",
"usageType": "B"
},
{
```



	<pre>       "usageType": "B"     },     {       "consumptionTime": "2024-02-20T21:00:00+02:00",       "amount": 6.0688,       "valueType": "VAL",       "usageType": "B"     },     {       "consumptionTime": "2024-02-20T22:00:00+02:00",       "amount": 2.0736,       "valueType": "VAL",       "usageType": "B"     },     {       "consumptionTime": "2024-02-20T23:00:00+02:00",       "amount": 8.0912,       "valueType": "VAL",       "usageType": "B"     }   ] }, </pre>	<pre>       "consumptionTime": "2024-02-20T22:00:00+02:00",       "amount": 4.0000,       "valueType": "VAL",       "usageType": "B"     },     {       "consumptionTime": "2024-02-20T23:00:00+02:00",       "amount": 7.5000,       "valueType": "VAL",       "usageType": "B"     }   ] } ] } </pre>
--	--	---

<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 – 100068</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's 20240226 data before the recalculation.</p>	<pre> [   {     "personCode": "20240244444",     "personName": "Vardenis",     "personSurname": "Pavardenis26",     "objectId": 202026,     "objectNumber": "20240226",     "graphVersion": "2024-03-06T09:00:00+02:00",     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [ </pre>	<pre> {   "consumptionTime": "2024-02-20T12:00:00+02:00",   "amount": 1.5000,   "valueType": "VAL",   "usageType": "B" }, {   "consumptionTime": "2024-02-20T13:00:00+02:00",   "amount": 1.5000,   "valueType": "VAL",   "usageType": "B" }, {   "consumptionTime": "2024-02-20T14:00:00+02:00", </pre>
---	---	--

```
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  "amount": 3.9904,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T01:00:00+02:00",
  "amount": 3.9824,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T02:00:00+02:00",
  "amount": 4.0208,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T03:00:00+02:00",
  "amount": 4.265,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T04:00:00+02:00",
  "amount": 3.9712,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T05:00:00+02:00",
  "amount": 4.0176,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T06:00:00+02:00",
  "amount": 4.0128,
```

```
"amount": 1.3000,
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T15:00:00+02:00",
  "amount": 1.1000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T16:00:00+02:00",
  "amount": 4.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T17:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 4.5000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T19:00:00+02:00",
  "amount": 1.4000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T20:00:00+02:00",
  "amount": 3.2100,
  "valueType": "VAL",
  "usageType": "B"
```

```
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T07:00:00+02:00",
"amount": 3.9872,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T08:00:00+02:00",
"amount": 3.8496,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T09:00:00+02:00",
"amount": 2.9632,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T10:00:00+02:00",
"amount": 1.2976,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T11:00:00+02:00",
"amount": 0.1312,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T12:00:00+02:00",
"amount": 0.2368,
"valueType": "VAL",
"usageType": "B"
},
},
```

```
},
{
"consumptionTime": "2024-02-20T21:00:00+02:00",
"amount": 3.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T22:00:00+02:00",
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"valueType": "VAL",
"usageType": "B"
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"consumptionTime": "2024-02-20T23:00:00+02:00",
"amount": 3.5000,
"valueType": "VAL",
"usageType": "B"
}
]
},
{
"consumptionCategory": "P-",
"powerPlantObjectNumber": "20240228",
"powerPlantType": "S",
"consumptions": [
{
"consumptionTime": "2024-02-20T00:00:00+02:00",
"amount": 0.8000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T01:00:00+02:00",
"amount": 0.4000,
"valueType": "VAL",
"usageType": "B"
},
},
{
```

```
{
  "consumptionTime": "2024-02-20T13:00:00+02:00",
  "amount": 2.4081,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T14:00:00+02:00",
  "amount": 1.0672,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T15:00:00+02:00",
  "amount": 2.2352,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T16:00:00+02:00",
  "amount": 3.8992,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T17:00:00+02:00",
  "amount": 4.0192,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 4.2448,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T19:00:00+02:00",
  "amount": 4.0528,
```

```
"consumptionTime": "2024-02-20T02:00:00+02:00",
"amount": 2.0000,
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T03:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T04:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T05:00:00+02:00",
  "amount": 5.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T06:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T07:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 5.0000,
  "valueType": "VAL",
```

```
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T20:00:00+02:00",
    "amount": 4.0752,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T21:00:00+02:00",
    "amount": 6.0688,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T22:00:00+02:00",
    "amount": 2.0736,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T23:00:00+02:00",
    "amount": 8.0912,
    "valueType": "VAL",
    "usageType": "B"
  }
]
},
{
  "consumptionCategory": "P-",
  "powerPlantObjectNumber": "20240227",
  "powerPlantType": "S",
  "consumptions": [
    {
      "consumptionTime": "2024-02-20T00:00:00+02:00",
      "amount": 1.0000,
      "valueType": "VAL",
      "usageType": "B"
```

```
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T09:00:00+02:00",
    "amount": 5.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T10:00:00+02:00",
    "amount": 2.4000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T11:00:00+02:00",
    "amount": 1.6000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T12:00:00+02:00",
    "amount": 1.6000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T13:00:00+02:00",
    "amount": 3.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T14:00:00+02:00",
    "amount": 4.3000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
```

```
},
{
  "consumptionTime": "2024-02-20T01:00:00+02:00",
  "amount": 2.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T02:00:00+02:00",
  "amount": 2.2050,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T03:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T04:00:00+02:00",
  "amount": 1.6000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T05:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T06:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T07:00:00+02:00",
```

```
"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 3.1000,
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T16:00:00+02:00",
  "amount": 0.4000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T17:00:00+02:00",
  "amount": 6.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 2.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T19:00:00+02:00",
  "amount": 2.4000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T20:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T21:00:00+02:00",
  "amount": 2.6000,
  "valueType": "VAL",
```

	<pre> "amount": 2.5000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T08:00:00+02:00", "amount": 1.0000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T09:00:00+02:00", "amount": 2.0000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T10:00:00+02:00", "amount": 2.3000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T11:00:00+02:00", "amount": 1.2000, "valueType": "VAL", "usageType": "B" }, </pre>	<pre> "usageType": "B" }, { "consumptionTime": "2024-02-20T22:00:00+02:00", "amount": 0.5000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T23:00:00+02:00", "amount": 4.0000, "valueType": "VAL", "usageType": "B" } ] } ] } </pre>
<p><b>Possible request 5</b></p>	<p><b>Possible response data 5</b></p>	<p><b>Possible response data 5 (continuation)</b></p>
<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId – 100070</li> </ul> <p><b>Note:</b> In the order shows the "Net</p>	<pre> [ { "personCode": "20240244444", "personName": "Vardenis", "personSurname": "Pavardenis26", "objectId": 202026, "objectNumber": "20240226", "graphVersion": "2024-03-10T11:30:00+02:00", </pre>	<pre> { "consumptionTime": "2024-02-20T13:00:00+02:00", "amount": 1.5000, "valueType": "VAL", "usageType": "B" }, { "consumptionTime": "2024-02-20T14:00:00+02:00", </pre>

billing“ object's  
20240226 data after  
the recalculation.

```
"consumptionCategories": [  
  {  
    "consumptionCategory": "P+",  
    "powerPlantObjectNumber": null,  
    "powerPlantType": null,  
    "consumptions": [  
      {  
        "consumptionTime": "2024-02-20T00:00:00+02:00",  
        "amount": 3.9904,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T01:00:00+02:00",  
        "amount": 3.9824,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T02:00:00+02:00",  
        "amount": 4.0208,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T03:00:00+02:00",  
        "amount": 4.265,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T04:00:00+02:00",  
        "amount": 3.9712,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T05:00:00+02:00",  
        "amount": 4.0176,
```

```
        "amount": 1.3000,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T15:00:00+02:00",  
        "amount": 1.1000,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T16:00:00+02:00",  
        "amount": 4.0000,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T17:00:00+02:00",  
        "amount": 3.0000,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T18:00:00+02:00",  
        "amount": 4.5000,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T19:00:00+02:00",  
        "amount": 1.4000,  
        "valueType": "VAL",  
        "usageType": "B"  
      },  
      {  
        "consumptionTime": "2024-02-20T20:00:00+02:00",  
        "amount": 3.2100,  
        "valueType": "VAL",  
        "usageType": "B"  
      }  
    ]  
  }  
]
```



```
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T06:00:00+02:00",
  "amount": 4.0128,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T07:00:00+02:00",
  "amount": 3.9872,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 3.8496,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T09:00:00+02:00",
  "amount": 2.9632,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T10:00:00+02:00",
  "amount": 1.2976,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T11:00:00+02:00",
  "amount": 0.1312,
  "valueType": "VAL",
  "usageType": "B"
},
},
```

```
},
{
  "consumptionTime": "2024-02-20T21:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T22:00:00+02:00",
  "amount": 3.5000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T23:00:00+02:00",
  "amount": 3.5000,
  "valueType": "VAL",
  "usageType": "B"
}
]
},
{
  "consumptionCategory": "P-",
  "powerPlantObjectNumber": "20240228",
  "powerPlantType": "S",
  "consumptions": [
    {
      "consumptionTime": "2024-02-20T00:00:00+02:00",
      "amount": 0.8000,
      "valueType": "VAL",
      "usageType": "B"
    },
    {
      "consumptionTime": "2024-02-20T01:00:00+02:00",
      "amount": 0.4000,
      "valueType": "VAL",
      "usageType": "B"
    }
  ],
}
```

```
{
  "consumptionTime": "2024-02-20T12:00:00+02:00",
  "amount": 0.2368,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T13:00:00+02:00",
  "amount": 2.4081,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T14:00:00+02:00",
  "amount": 1.0672,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T15:00:00+02:00",
  "amount": 2.2352,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T16:00:00+02:00",
  "amount": 3.8992,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T17:00:00+02:00",
  "amount": 4.0192,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T18:00:00+02:00",
  "amount": 4.2448,
```

```
"consumptionTime": "2024-02-20T02:00:00+02:00",
"amount": 2.0000,
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T03:00:00+02:00",
  "amount": 1.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T04:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T05:00:00+02:00",
  "amount": 5.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T06:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T07:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 5.0000,
  "valueType": "VAL",
```

```
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T19:00:00+02:00",
    "amount": 4.0528,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T20:00:00+02:00",
    "amount": 4.0752,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T21:00:00+02:00",
    "amount": 6.0688,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T22:00:00+02:00",
    "amount": 2.0736,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T23:00:00+02:00",
    "amount": 8.0912,
    "valueType": "VAL",
    "usageType": "B"
  }
]
},
{
  "consumptionCategory": "P-",
  "powerPlantObjectNumber": "20240227",
  "powerPlantType": "S",
```

```
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T09:00:00+02:00",
    "amount": 5.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T10:00:00+02:00",
    "amount": 2.4000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T11:00:00+02:00",
    "amount": 1.6000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T12:00:00+02:00",
    "amount": 1.6000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T13:00:00+02:00",
    "amount": 3.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T14:00:00+02:00",
    "amount": 4.3000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
```

```
"consumptions": [
  {
    "consumptionTime": "2024-02-20T00:00:00+02:00",
    "amount": 1.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T01:00:00+02:00",
    "amount": 2.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T02:00:00+02:00",
    "amount": 2.2050,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T03:00:00+02:00",
    "amount": 1.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T04:00:00+02:00",
    "amount": 1.6000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T05:00:00+02:00",
    "amount": 3.0000,
    "valueType": "VAL",
    "usageType": "B"
  },
  {
    "consumptionTime": "2024-02-20T06:00:00+02:00",
```

```
"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 3.1000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T16:00:00+02:00",
"amount": 0.4000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T17:00:00+02:00",
"amount": 6.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T18:00:00+02:00",
"amount": 2.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T19:00:00+02:00",
"amount": 2.4000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T20:00:00+02:00",
"amount": 1.0000,
"valueType": "VAL",
"usageType": "B"
},
{
"consumptionTime": "2024-02-20T21:00:00+02:00",
"amount": 2.6000,
"valueType": "VAL",
```

```
"amount": 2.0000,
"valueType": "VAL",
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T07:00:00+02:00",
  "amount": 1.5000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T08:00:00+02:00",
  "amount": 2.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T09:00:00+02:00",
  "amount": 3.0000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T10:00:00+02:00",
  "amount": 2.3000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T11:00:00+02:00",
  "amount": 1.2000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T12:00:00+02:00",
  "amount": 1.5000,
  "valueType": "VAL",
  "usageType": "B"
```

```
"usageType": "B"
},
{
  "consumptionTime": "2024-02-20T22:00:00+02:00",
  "amount": 0.5000,
  "valueType": "VAL",
  "usageType": "B"
},
{
  "consumptionTime": "2024-02-20T23:00:00+02:00",
  "amount": 4.0000,
  "valueType": "VAL",
  "usageType": "B"
}
]
}
]
}
```

	},	
--	----	--

### 5.1.5 POST/gateway/guaranteed-supplier/order/data-hr-15min-history-changes

Resource description	
<b>Definition</b>	The method is intended for ordering "Net billing accounting scheme changes of interval data" report.
<b>Detailed description of method in DH API documentation for guaranteed supplier</b>	POST/gateway/guaranteed-supplier/order/data-hr-15min-history-changes
<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": "2024-01-01",   "dateTo": "2024-02-29",   "objectNumbers": [     "20240226"   ] }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

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

Resource description	
<b>Definition</b>	The method is designed to obtain "Net billing accounting scheme changes of interval data" report.
<b>Detailed description of method in DH API documentation for guaranteed supplier</b>	GET/gateway/guaranteed-supplier/order/{orderId}/data-hr-15min-history-changes
<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
<p>URL parameters:</p> <ul style="list-style-type: none"><li>• orderId – 100069</li></ul> <p><b>Note:</b> In the order shows the „Net billing“ object's 20240226 data.</p>	<pre>[   {     "personCode": "20240244444",     "personName": "Vardenis",     "personSurname": "Pavardenis26",     "objectNumber": "20240226",     "periodsWithChanges": [       {         "billingPeriod": "2024-02",         "reasons": [           "GENERATION_CHANGE"         ]       }     ]   } ]</pre>

### 5.1.7 POST/gateway/guaranteed-supplier/order/balance-data (will be deployed in 04.16)

Resource description	
Definition	The method is intended for ordering "Balance data" report.
Detailed description of method in API documentation (ENG)	POST/gateway/guaranteed-supplier/order/balance-data
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": "2024-03-01",   "dateTo": "2024-03-01",   "interval": "HOUR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 5.1.8 GET/gateway/guaranteed-supplier/order/{orderId}/balance-data (will be deployed in 04.16)

Resource description	
Definition	The method is used to obtain the report "Balance data"
Detailed description of method in API documentation (ENG)	GET/gateway/guaranteed-supplier/order/{orderId}/balance-data
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

URL parameters:

- orderId - 100077

### Possible response data 1

```
{
  "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
    },
    {
      "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
},
{
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  "valueOfConsumption": 0.036
},
{
  "intervalDateTime": "2024-03-01T14:00:00+02:00",
```

```
"valueOfGeneration": 0.014,  
"valueOfConsumption": 0.039  
},  
{  
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  "valueOfGeneration": 0.009,  
  "valueOfConsumption": 0.029  
},  
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  "valueOfGeneration": 0.007,  
  "valueOfConsumption": 0.027  
},  
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  "valueOfConsumption": 0.026  
},  
{  
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  "valueOfConsumption": 0.022  
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{  
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  "valueOfGeneration": 0.017,  
  "valueOfConsumption": 0.023  
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{  
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  "valueOfGeneration": 0.008,  
  "valueOfConsumption": 0.024  
},  
{  
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  "valueOfConsumption": 0.022  
},  
{
```

```

    "intervalDateTime": "2024-03-01T22:00:00+02:00",
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    "valueOfConsumption": 0.029
  },
  {
    "intervalDateTime": "2024-03-01T23:00:00+02:00",
    "valueOfGeneration": 0.009,
    "valueOfConsumption": 0.027
  }
]
}

```

### 5.1.9 POST/gateway/guaranteed-supplier/order/balance-by-generation-type *(will be deployed in 04.16)*

Resource description	
Definition	The method is intended for ordering "Balance by generation type" report.
Detailed description of method in API documentation (ENG)	POST/gateway/guaranteed-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": <b>[a new Id is generated]</b> } </pre>

### 5.1.10 GET/gateway/guaranteed-supplier/order/{orderId}/balance-by-generation-type (will be deployed in 04.16)

Resource description	
<b>Definition</b>	The method is used to obtain the report "Balance by generation type".
<b>Detailed description of method in API documentation (ENG)</b>	GET/gateway/guaranteed-supplier/order/{orderId}/balance-by-generation-type
<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)
URL parameters: <ul style="list-style-type: none"> <li>orderId - 100078</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",</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     }   ] }</pre>

```
        "valueOfGeneration": 0
      }
    ]
  },
  {
    "intervalDateTime": "2024-03-01T01:00:00+02:00",
    "generationCategories": [
      {
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      },
      {
        "generationCategory": "PROSUMERS",
        "valueOfGeneration": 9.522
      },
      {
        "generationCategory": "UNALLOCATED",
        "valueOfGeneration": 0
      },
      {
        "generationCategory": "REMOTE-PROSUMERS",
        "valueOfGeneration": 0.401
      }
    ]
  },
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        "valueOfGeneration": 9.255
      },
      {
        "generationCategory": "UNALLOCATED",
        "valueOfGeneration": 0.444
      }
    ]
  }
]
```

```
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      "generationCategory": "UNALLOCATED",
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    {
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    }
  ]
},
{
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      "valueOfGeneration": 0.015
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    {
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      "valueOfGeneration": 9.566
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
      "valueOfGeneration": 0.501
    }
  ]
}
```

```
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
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    }
  ]
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{
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      "valueOfGeneration": 0.111
    },
    {
      "generationCategory": "PROSUMERS",
      "valueOfGeneration": 9.654
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
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    }
  ]
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      "valueOfGeneration": 9.111
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  ],
```

```
  }
]
},
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    {
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    {
      "generationCategory": "UNALLOCATED",
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    },
    {
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  ],
```

```
{
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},
{
  "generationCategory": "REMOTE-PROSUMERS",
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    {
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      "valueOfGeneration": 9.255
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    },
    {
```

```
{
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]
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{
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    },
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    },
    {
```



```
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  {
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  {
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    {
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      "valueOfGeneration": 0
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    {
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```
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  },
  {
    "generationCategory": "REMOTE-PROSUMERS",
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  }
]
},
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    {
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      "valueOfGeneration": 9.452
    },
    {
      "generationCategory": "UNALLOCATED",
      "valueOfGeneration": 0
    },
    {
      "generationCategory": "REMOTE-PROSUMERS",
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  ]
},
{
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```

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    "valueOfGeneration": 9.688
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  {
    "generationCategory": "UNALLOCATED",
    "valueOfGeneration": 0
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},
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  {
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    {
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    {
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    {
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```

```
},
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{
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},
{
  "generationCategory": "REMOTE-PROSUMERS",
  "valueOfGeneration": 0.505
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      "valueOfGeneration": 9.533
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    },
    {
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    }
  ]
}
]
```

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