

# TRANSPARENCY PLATFORM

WEB SERVICE GUIDELINES

V2.3

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## Purpose

The purpose of this document is to share necessary information and guidance pertaining to web service utilization within the scope of Transparency Platform.

## Scope

Utilization methods/information and response types of web services that are developed within the context of Transparency Platform project establish the scope of this document.

Main categories of the web services are as the following:

* 1. Consumption Services
	2. Production Services
	3. Transmission Services
	4. Market Services

## General Information

* + Return type of web services which are developed within the scope of this project, is in the form of a JSON object.
	+ While calling services, “Accept” header information that is in the HTTP Header, should be sent as “application/json”.
	+ Unless otherwise stated date formats used in the services should be sent compatible with the following:
		- * SHORT DATE FORMAT : yyyy-MM-dd (Example: 2016-01-15)
			* LONG DATE FORMAT : yyyy-MM-dd'T'HH:mm:ss.SSSZ
			 (Example: 2016-01-15T09:35:59.123+0200)

## Production Services

## Market Message System Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/urgent-market-message |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |
| Query Parameter | regionId | Long |
| Query Parameter | messageTypeId | Long |
| Query Parameter | powerPlantId | Long |
| Query Parameter | uevcbId | Long |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Message ID |
| caseAddDate | String (LONG DATE FORMAT) | Event Add Date |
| caseStartDate | String (LONG DATE FORMAT) | Event Start Date |
| caseEndDate | String (LONG DATE FORMAT) | Event End Date |
| powerPlantName | String | Plant Name |
| messageType | Long | Message Type |
| region | String | Region |
| capacityAtCaseTime | BigDecimal | Affected Capacity |
| caseVaguenessTime | Long | Uncertainty Time |
| validityStatus | Long | Validity Status |
| reason | String | Reason |
| operatorPower | BigDecimal | Capacity In Operation |
| uevcbName | String | Injection/Withdrawal Unit Name |

## Region Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/region |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Region ID |
| region | String | Region Name |

## Market Message System Type Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/urgent-market-message-type |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Message Type ID |
| type | String | Message Type Name |

## Power Plant Periodical Information Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/power-plant |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Plant ID |
| name | String | Plant Name |
| eic | String | EIC Code |
| shortName | String | Plant Short Name |

## Injection/Withdrawal Unit Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/uevcb |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |
| Query Parameter | powerPlantId | Long |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Injection/Withdrawal Unit ID |
| name | String | Injection/Withdrawal Unit Name |
| eic | String | Injection/Withdrawal Unit EIC Code |

## Injection Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/ssv |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| ssv | BigDecimal | Injection Quantity |

## Injection Quantity Service (Resource Breakdown)

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/ssv-categorized |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| total | BigDecimal | Total |
| wind | BigDecimal | Wind |
| lignite | BigDecimal | Lignite |
| stonecoal | BigDecimal | Black Coal |
| importedCoal | BigDecimal | Import Coal |
| fueloil | BigDecimal | Fuel Oil |
| naphtha | BigDecimal | Naphta |
| naturalGas | BigDecimal | Natural Gas |
| geothermal | BigDecimal | Geothermal |
| dam | BigDecimal | Dammed Hydro |
| river | BigDecimal | Run-of-River |
| biomass | BigDecimal | Biomass |
| other | BigDecimal | Other |
| lng | BigDecimal | LNG |
| asphaltite | BigDecimal | Asphaltite |

## Renewables Support Mechanism Generation Forecast Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-forecast |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| wind | BigDecimal | Wind |
| geothermal | BigDecimal | Geothermal |
| biogas | BigDecimal | Biogas |
| canalType | BigDecimal | Canal Type |
| biomass | BigDecimal | Biomass |
| landfillGas | BigDecimal | Landfill Gas |
| riverType | BigDecimal | Run-of-River |
| dammedHydroWithReservoir | BigDecimal | Dammed Hydro With Reservoir |
| total | BigDecimal | Total |

## Renewables Support Mechanism Portfolio Income Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-portfolio-income |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| portfolioIncome | BigDecimal | Portfolio Income |

## Renewables Support Mechanism Imbalance Cost Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-imbalance-cost |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| imbalanceCost | BigDecimal | Imbalance Cost |

## Renewables Support Mechanism Production Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-production |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| wind | BigDecimal | Wind |
| geothermal | BigDecimal | Geothermal |
| biogas | BigDecimal | Biogas |
| canalType | BigDecimal | Canal Type |
| biomass | BigDecimal | Biomass |
| landfillGas | BigDecimal | Landfill Gas |
| riverType | BigDecimal | Run-of-River |
| dammedHydroWithReservoir | BigDecimal | Dammed Hydro With Reservoir |
| total | BigDecimal | Total |

## Renewables Support Mechanism Imbalance Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-imbalance-quantity |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| imbalanceQuantity | BigDecimal | Imbalance Quantity |

## Renewables Support Mechanism Spot Order Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-spot-order |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| orderQuantity | BigDecimal | Spot Order |

## Installed Capacity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/installed-capacity |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| period | String (LONG DATE FORMAT) | Period |
| capacityType | String | Capacity Type |
| capacity | BigDecimal | Capacity |

## Renewables Support Mechanism Installed Capacity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/installed-capacity-of-renewable |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| capacityTypeId | Long | Capacity Type ID |
| period | String (LONG DATE FORMAT) | Period |
| capacityType | String | Capacity Type |
| capacity | BigDecimal | Capacity |

## Renewables Support Mechanism Unit Cost Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/renewable-sm-unit-cost |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| unitCost | BigDecimal | Unit Cost |

## Final Daily Production Program Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/dpp |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |
| Query Parameter | organizationEIC | String |
| Query Parameter | uevcbEIC | String |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| tarih | String (UZUN TARİH FORMATI) | Date |
| saat | String | Hour |
| toplam | BigDecimal | Total |
| dogalgaz | BigDecimal | Natural Gas |
| ruzgar | BigDecimal | Wind |
| linyit | BigDecimal | Lignite |
| tasKomur | BigDecimal | Black Coal |
| ithalKomur | BigDecimal | Import Coal |
| fuelOil | BigDecimal | Fuel Oil  |
| jeotermal | BigDecimal | Geothermal |
| barajli | BigDecimal | Dammed Hydro |
| nafta | BigDecimal | Naphta |
| biokutle | BigDecimal | Biomass |
| akarsu | BigDecimal | River |
| diger | BigDecimal | Others |

## Available Installed Capacity

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/aic |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |
| Query Parameter | organizationEIC | String |
| Query Parameter | uevcbEIC | String |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| tarih | String (UZUN TARİH FORMATI) | Date |
| saat | String | Hour |
| toplam | BigDecimal | Total |
| dogalgaz | BigDecimal | Natural Gas |
| ruzgar | BigDecimal | Wind |
| linyit | BigDecimal | Lignite |
| tasKomur | BigDecimal | Black Coal |
| ithalKomur | BigDecimal | Import Coal |
| fuelOil | BigDecimal | Fuel Oil  |
| jeotermal | BigDecimal | Geothermal |
| barajli | BigDecimal | Dammed Hydro |
| nafta | BigDecimal | Naphta |
| biokutle | BigDecimal | Biomass |
| akarsu | BigDecimal | River |
| diger | BigDecimal | Others |

## Supply and Consumption Organization List Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/dpp-organization |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | - | - |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| organizationId | Long | Organization ID |
| organizationName | String | Organization Name |
| organizationStatus | Integer | Organization Status (2: Approved, 3:Passive) |
| organizationETSOCode | String | Organization EIC |
| organizationShortName | String | Organization Short Name |

## Organizations’ Injection/Withdrawal Unit(s) List Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/dpp-injection-unit-name |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | organizationEIC | String |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Injection/Withdrawal Unit ID |
| name | String | Injection/Withdrawal Unit Name |
| eic | String | Injection/Withdrawal Unit EIC |

## Transmission Services

## Congestion Rent Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | /transmission/congestion-rent |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |
| Query Parameter | orderType | String (Enum) Değerler : Up Regulation, Down Regulation, Up\_Down Regulation |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| cityId | Long | City ID |
| cityName | String | City Name |
| mcpCost | BigDecimal | MCP Cost |
| smpCost | BigDecimal | SMP Cost |
| orderCount | BigDecimal | Order Count |
| upRegulationOrderCount | BigDecimal | Up Regulation Instruction Count |
| downRegulationOrderCount | BigDecimal | Down Regulation Instruction Count |
| totalOrderCount | BigDecimal | Total ınstruction Count |

## Transmission Loss Factor Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | /transmission/transmission-system-loss-factor |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| firstversionValue | BigDecimal | First Version |
| lastVersionValue | BigDecimal | Last Version |
| firstVersionDate | String (LONG DATE FORMAT) | First Version Date |
| lastVersionDate | String (LONG DATE FORMAT) | Last Version Date |

## ENSTO-E (X) Codes Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | /transmission/ents-organization |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |
| Query Parameter | organizationId | Integer |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| ETSOrganizationCode | String  | ETSO Organization Code |
| organizationName | String | Organization Name |

## City Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | /transmission/city |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| cityId | Long  | City ID |
| cityName | String | City Name |

## Consumption Services

## Load Forecast Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/load-estimation-plan |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| lep | BigDecimal | Load Forecast |

## Withdrawal Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/swv |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| swv | BigDecimal | Withdrawal Quantity |

## Distribution Organizations Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/distribution |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Distribution ID |
| name | String | Distribution Name |

## Metering Point Reading Type Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/meter-reading-type |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Metering Point Reading Type ID |
| name | String | Metering Point Reading Type Name |

## Customer Profile Group Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/subscriber-profile-group |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |
| Query Parameter | distributionId | Long |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Customer Profle Group ID |
| name | String | Customer Profle Group Name |

## Distribution Profile Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/distribution-profile |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |
| Query Parameter | distributionId | Long |
| Query Parameter | meterReadingType | Long |
| QueryParameter | subscriberProfileGroup | Long |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| multiplier | BigDecimal | Multiplier |

## Meter Reading Organization Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/meter-reading-company |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Meter Reading Organization ID |
| name | String | Meter Reading Organization Name |
| status | Long | Status |

## City Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/city |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| cityId | Long | City ID |
| districtId | Long | County ID |
| cityName | String | City Name |
| districtName | String | County Name |

## Eligible Customer Count Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/st |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| profilAboneGrupAdi | String | Customer Profile Group |
| date | String (LONG DATE FORMAT) | Date |

## Eligible Customer Withdrawal Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/consumption/swv-v2  |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| vc\_gec\_trh | String (LONG DATE FORMAT) | Date |
| uevcb\_gec\_trh | String (LONG DATE FORMAT) | Date |
| st | BigDecimal | Withdrawal Quantity of Exercising Privilege of Eligibility |
| nonSt | BigDecimal | Withdrawal Quantity of Those Not Exercising Privilege of Eligibility |

## Market Services

## System Marginal Price Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/smp |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| price | BigDecimal | System Marginal Price |
| smpDirection | String | System’s Direction |
| smpDirectionId | Long | System’s Direction ID |

## Market Clearing Price Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/day-ahead-mcp |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| price | BigDecimal | Market Clearing Price |

## Day-Ahead Market Volume Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/day-ahead-market-volume |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| quantityOfAsk | BigDecimal | Bid Quantity |
| volume | BigDecimal | Clearing Quantity |
| quantityOfBid | BigDecimal | Offer Quantity |
| priceIndependentBid | BigDecimal | Price Independent Bid |
| priceIndependentOffer | BigDecimal | Price-Independent Offer |
| blockBid | BigDecimal | Block Bid |
| blockOffer | BigDecimal | Block Offer |

## Intraday Market Transaction History Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/intra-day-trade-history |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Transaction ID |
| date | String (LONG DATE FORMAT) | Date |
| contract | String | Contract Name |
| price | BigDecimal | Price |
| quantity | BigDecimal | Quantity |

## Intraday Market Summary Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/intra-day-summary |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Transaction ID |
| date | String (LONG DATE FORMAT) | Date |
| contract | String | Contract Name |
| volume | BigDecimal | Matching Quantity |
| minAskPrice | BigDecimal | Minimum Bid Price |
| maxAskPrice | BigDecimal | Maximum Bid Price |
| minBidPrice | BigDecimal | Minimum Offer Price |
| maxBidPrice | BigDecimal | Maximum Offer Price |
| quantityOfAsk | BigDecimal | Bid Quantity |
| quantityOfBid | BigDecimal | Offer Quantity |
| tradingVolume | BigDecimal | Trade Value |
| minMatchPrice | BigDecimal | Minimum Matching Price |
| maxMatchPrice | BigDecimal | Maximum Matching Price |

## Balancing Power Market Bid Volume Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/bpm-order-summary |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| net | BigDecimal | Net |
| upRegulationZeroCoded | BigDecimal | Code 0 Up Regulation |
| upRegulationOneCoded | BigDecimal | Code 1 Up Regulation |
| upRegulationTwoCoded | BigDecimal | Code 2 Up Regulation |
| downRegulationZeroCoded | BigDecimal | Code 0 Down Regulation |
| downRegulationOneCoded | BigDecimal | Code 1 Down Regulation |
| downRegulationTwoCoded | BigDecimal | Code 2 Down Regulation |
| upRegulationDelivered | BigDecimal | Delivered Up Regulation |
| downRegulationDelivered | BigDecimal | Delivered Down Regulation |

## Participant Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/participant |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| id | Long | Participant ID |
| date | String (LONG DATE FORMAT) | Date |
| licence | String | License |
| publicCompany | Long | Public Sector |
| privateSector | Long | Private Sector |
| licenceId | Long | License ID |
| publicCompanyOfSum | Long | Public Sector Total |
| privateSectorOfSum | Long | Private Sector Total |

## Supply-Demand Curve Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/supply-demand-curve |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | period | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| price | Double | Price |
| supply | Double | Supply |
| demand | Double | Demand |

## Day-Ahead Market Trade Value Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/day-ahead-market-trade-volume |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| volumeOfBid | BigDecimal | Offer Quantity |
| volumeOfAsk | BigDecimal | Bid Quantity |

## Block Bid-Offer Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/amount-of-block |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| amountOfPurchasingTowardsBlock | Double | Block Bids |
| amountOfPurchasingTowardsMatchBlock | Double | Cleared Block Bids |
| amountOfSalesTowardsBlock | Double | Block Offers |
| amountOfSalesTowardsMatchBlock | Double | Cleared Block Offers |

## Interim Market Clearing Price Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/day-ahead-interim-mcp |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | date | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| marketTradePrice | Double | Interim Market Clearing Price |

## Side Payments Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/day-ahead-diff-funds |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| originatingFromBids | BigDecimal | Originating From Bids |
| originatingFromOffers | BigDecimal | Originating From Offers |
| originatingFromRounding | BigDecimal | Originating From Rounding |

## Retroactive Adjustment Sum Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/production/gddk-amount |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| version | String (LONG DATE FORMAT) | Version |
| gddkDebtAmount | BigDecimal | Retroactive Adjustment Sum Liability |
| gddkCreditAmount | BigDecimal | Retroactive Adjustment Sum Recievable |
| gddkNetAmount | BigDecimal | Net Retroactive Adjustment Sum |

## Imbalance Cost Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/imbalance-amount |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| time | String | Hour |
| positiveImbalance | BigDecimal | Positive Imbalance Cost |
| negativeImbalance | BigDecimal | Negative Imbalance Cost |

## Imbalance Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/imbalance-quantity |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| time | String | Hour |
| positiveImbalance | BigDecimal | Positive Imbalance Quantity |
| negativeImbalance | BigDecimal | Negative Imbalance Quantity |

## Bilateral Contracts Offer Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/bilateral-contract-sell |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | eic | String |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| quantity | BigDecimal | Quantity |

## Bilateral Contracts Bid Quantity Service

**REQUEST**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | https://seffaflik.epias.com.tr/transparency/service/market/bilateral-contract-buy |

|  |  |  |
| --- | --- | --- |
| **Parameter Type** | **Parameter Name** | **Parameter Value** |
| Query Parameter | eic | String |
| Query Parameter | startDate | String (SHORT DATE FORMAT) |
| Query Parameter | endDate | String (SHORT DATE FORMAT) |

**RESPONSE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| date | String (LONG DATE FORMAT) | Date |
| quantity | BigDecimal | Quantity |