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数据服务

接口标准

成都大汇云智科技有限公司

目录

[1. API接口说明 6](#_Toc522709725)

[1.1 接口标准 6](#_Toc522709726)

[2. 认证 7](#_Toc522709727)

[2.1 获取权限 7](#_Toc522709728)

[3. 数据接口 8](#_Toc522709729)

[3.1 水数据 8](#_Toc522709730)

[3.1.1 入库水量 8](#_Toc522709731)

[3.1.2 出库水量 11](#_Toc522709732)

[3.1.3 发电水量 15](#_Toc522709733)

[3.1.4 空载水量 18](#_Toc522709734)

[3.1.5 溢弃水量 21](#_Toc522709735)

[3.1.6 可调水量 25](#_Toc522709736)

[3.1.7 入库流量 28](#_Toc522709737)

[3.1.8 出库流量 32](#_Toc522709738)

[3.1.9 发电流量 37](#_Toc522709739)

[3.1.10 泄洪流量 41](#_Toc522709740)

[3.1.11 耗水率 45](#_Toc522709741)

[3.1.12 坝上水位 49](#_Toc522709742)

[3.1.13 坝下水位 53](#_Toc522709743)

[3.1.14 闸门开度 57](#_Toc522709744)

[3.1.15 门孔泄洪流量 57](#_Toc522709745)

[3.1.16 水文站水位 61](#_Toc522709746)

[3.1.17 水文站流量 65](#_Toc522709747)

[3.1.18 雨量 69](#_Toc522709748)

[3.1.19 计划检修弃水水量 73](#_Toc522709749)

[3.1.20 设备故障弃水水量 76](#_Toc522709750)

[3.1.21 电网影响弃水水量 79](#_Toc522709751)

[3.1.22 泄洪弃水水量 83](#_Toc522709752)

[3.1.23 蓄能值 86](#_Toc522709753)

[3.1.24 弃水损失电量 90](#_Toc522709754)

[3.1.25 旋备损失电量 90](#_Toc522709755)

[3.1.26 调度损失电量 90](#_Toc522709756)

[3.1.27 水位流量曲线 90](#_Toc522709757)

[3.1.28 溢流曲线 91](#_Toc522709758)

[3.1.29 水位库容曲线 92](#_Toc522709759)

[3.1.30 机组NHQ曲线 92](#_Toc522709760)

[3.1.31 闸门泄洪曲线？ 93](#_Toc522709761)

[3.1.32 预想曲线？ 93](#_Toc522709762)

[3.1.33 气象预报？ 94](#_Toc522709763)

[3.1.34 水情实时 94](#_Toc522709764)

[3.1.35 水情历史 94](#_Toc522709765)

[3.1.36 次日入库流量 94](#_Toc522709766)

[3.1.37 坝上水位（包含外部流域） 94](#_Toc522709767)

[3.1.38 入库流量（包含外部流域） 94](#_Toc522709768)

[3.1.39 出库流量（包含外部流域） 94](#_Toc522709769)

[3.1.40 水情数据（根据类型查询） 94](#_Toc522709770)

[3.2 电数据 98](#_Toc522709771)

[3.2.1 流域发电量 98](#_Toc522709772)

[3.2.2 流域上网电量 100](#_Toc522709773)

[3.2.3 流域厂用电量 102](#_Toc522709774)

[3.2.4 电厂发电量 105](#_Toc522709775)

[3.2.5 电厂上网电量 107](#_Toc522709776)

[3.2.6 电厂厂用电量 109](#_Toc522709777)

[3.2.7 电站发电量 112](#_Toc522709778)

[3.2.8 电站上网电量 114](#_Toc522709779)

[3.2.9 电站厂用电量 115](#_Toc522709780)

[3.2.10 机组发电量 118](#_Toc522709781)

[3.2.11 线路上网电量 120](#_Toc522709782)

[3.2.12 线路厂用电量 123](#_Toc522709783)

[3.2.13 正向有功原始电量? 126](#_Toc522709784)

[3.2.14 反向有功原始电量? 126](#_Toc522709785)

[3.2.15 正向有功窗口电量? 126](#_Toc522709786)

[3.2.16 反向有功窗口电量? 126](#_Toc522709787)

[3.2.17 正向有功实际电量? 126](#_Toc522709788)

[3.2.18 反向有功实际电量? 126](#_Toc522709789)

[3.2.19 计划电量／负荷 126](#_Toc522709790)

[3.2.20 流域出力 127](#_Toc522709791)

[3.2.21 电厂出力 128](#_Toc522709792)

[3.2.22 电站出力 130](#_Toc522709793)

[3.2.23 机组出力 131](#_Toc522709794)

[3.2.24 流域运行时间 133](#_Toc522709795)

[3.2.25 电厂运行时间 134](#_Toc522709796)

[3.2.26 电站运行时间 135](#_Toc522709797)

[3.2.27 机组运行时间 136](#_Toc522709798)

[3.2.28 流域停机时间 137](#_Toc522709799)

[3.2.29 电厂停机时间 138](#_Toc522709800)

[3.2.30 电站停机时间 139](#_Toc522709801)

[3.2.31 机组运行时间 140](#_Toc522709802)

[3.2.32 流域旋备时间 141](#_Toc522709803)

[3.2.33 电厂旋备时间 142](#_Toc522709804)

[3.2.34 电站旋备时间 143](#_Toc522709805)

[3.2.35 机组旋备时间 144](#_Toc522709806)

[3.2.36 电站信息 145](#_Toc522709807)

[3.3 气象预报 147](#_Toc522709808)

[3.3.1 雨量预报 147](#_Toc522709809)

[3.4 集控监控 149](#_Toc522709810)

[3.4.1 监控实时 149](#_Toc522709811)

[3.4.2 监控历史 150](#_Toc522709812)

[3.5 电厂监控 151](#_Toc522709813)

[3.5.1 监控实时 151](#_Toc522709814)

[3.5.2 监控历史 151](#_Toc522709815)

[4. 市场营销 151](#_Toc522709816)

[4.1 电网月计划 151](#_Toc522709817)

[4.2 公司月计划 152](#_Toc522709818)

[4.3 售电量 153](#_Toc522709819)

[5. 附录 155](#_Toc522709820)

[5.1.1 电站编码（stationCode）一览表 155](#_Toc522709821)

# API接口说明

## 接口标准

* url: url模板为[http://domain:port/api/{moduleName}/{apiName}/{version}](http://domain:port/dataservice/%7BmoduleName%7D/%7BapiName%7D/%7Bversion%7D)

moudleName为模块名，由单位名主题域组成，apiName为接口名，version为版本号

* 请求body
  + body的格式为json

参数：如果查询范围时间则在body添加参数startTime,endTime，参数的值的格式为:yyyy-MM-dd HH:mm。例如年：2018-01-01,月：2018-05-01，日：2018-05-11，小时：2018-05-11 09，分钟：2018-05-11 09:45。如果查询确定时间点的数据，则endTime可以不填

* 返回

接口全部采用restful,传入的参数和后台返回的数据格式均为JSON，常见的格式如下：

数据主要有三部分构成：data，error，status.当调用接口成功时，返回data，status为true，当接口调用失败是，返回error（包括失败的信息），status为false。

* + 正常返回：

|  |
| --- |
| {  "data":[  ], //数组数据  "status":true  } |

* + 错误返回：

|  |
| --- |
| {  "error": {  "statusCode": 500,// 错误代码  "message": "xxxx"// 错误信息  },  "status": false //返回状态  } |

* + 调用接口规则：

对接系统开发商请到四川大渡河双江口水电开发有限公司申请接口调用的userName和password。

调用登录接口，得到sessionId。

调用接口，并且在Header里传入第2步得到的sessionId，格式如下：

Authorization:{ sessionId }

Content-Type:application/json

特别注意：接口方法不传入sessionId无法返回数据。

# 认证

## 获取权限

|  |  |
| --- | --- |
| URI: | http://10.176.156.136:8081/interface/user/login |
| Method: | POST |
| Request Header: | Content-Type:application/json |
| Body: | {  "userName":"XXX", //用户名  "password":"XXX" //密码  } |
| Response | {  "data": {  "userName": "XXX",//用户名  "sessionId": "XXX"// Authorization认证标示  },  "status": true //状态  } |
| Notes |  |

# 数据接口

[**http://10.176.156.136:8081/interface/**](http://10.176.156.136:8081/interface/) **POST**

## 水数据

### 入库水量

#### 小时入库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcInHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-07-02 00:00:00",//必填  "endTime":"2018-07-02 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "798",  "POINT\_NAME": "瀑布沟入库水量",  "DATA\_TIME": 1467403200000,  "DATA\_VALUE": 8.274  }  ],  "status": true  } |
| Notes |  |

#### 日入库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcInDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "798",  "POINT\_NAME": "瀑布沟入库水量",  "DATA\_TIME": 1467403200000,  "DATA\_VALUE": 8.274  }  ],  "status": true  } |
| Notes |  |

#### 月入库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcInMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "1916",  "POINT\_NAME": "枕头坝一级入库水量",  "DATA\_TIME": 1512057600000,  "DATA\_VALUE": 2772.23  }  ],  "status": true  } |
| Notes |  |

#### 年入库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcInYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "262",  "POINT\_NAME": "大岗山入库水量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 25.96  }  ],  "status": true  } |
| Notes |  |

### 出库水量

#### 小时出库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOutHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-02 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "804",  "POINT\_NAME": "瀑布沟出库水量",  "DATA\_TIME": 1530460800000,  "DATA\_VALUE": 9.056  }  ],  "status": true  } |
| Notes |  |

#### 日出库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOutDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-02",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "804",  "POINT\_NAME": "瀑布沟出库水量",  "DATA\_TIME": 1527955200000,  "DATA\_VALUE": 68.424  }  ],  "status": true  } |
| Notes |  |

#### 月出库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOutMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-03-02",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "1833",  "POINT\_NAME": "沙南出库水量",  "DATA\_TIME": 1517414400000,  "DATA\_VALUE": 1761.43  }  ],  "status": true  } |
| Notes |  |

#### 年出库水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOutYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-07-02",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "146",  "POINT\_NAME": "龚嘴出库水量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 72.95  }  ],  "status": true  } |
| Notes |  |

### 发电水量

#### 小时发电水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcPowerGenHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-02 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "796",  "POINT\_NAME": "瀑布沟发电水量",  "DATA\_TIME": 1530460800000,  "DATA\_VALUE": 2.144  }  ],  "status": true  } |
| Notes |  |

#### 日发电水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcPowerGenDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "683",  "POINT\_NAME": "铜街子小机发电水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 4.745  }  ],  "status": true  } |
| Notes |  |

#### 月发电水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcPowerGenMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "1914",  "POINT\_NAME": "枕头坝一级发电水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 4231.3  }  ],  "status": true  } |
| Notes |  |

#### 年发电水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcPowerGenYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-01",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "138",  "POINT\_NAME": "龚嘴发电水量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 27313.787  }  ],  "status": true  } |
| Notes |  |

### 空载水量

#### 小时空载水量

/api/water/reservoidCpcOnLoadHour/1.0

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOnLoadHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-01 00:00:00",//必填  "endTime":"2018-07-01 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1830",  "POINT\_NAME": "沙南空载水量",  "DATA\_TIME": 1530385200000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 日空载水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOnLoadDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "802",  "POINT\_NAME": "瀑布沟空载水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 月空载水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOnLoadMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "1830",  "POINT\_NAME": "沙南空载水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 18.92  }  ],  "status": true  } |
| Notes |  |

#### 年空载水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOnLoadYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "144",  "POINT\_NAME": "龚嘴空载水量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 0.24  }  ],  "status": true  } |
| Notes |  |

### 溢弃水量

#### 小时溢弃水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOvpHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-01 00:00:00",//必填  "endTime":"2018-07-02 00:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "799",  "POINT\_NAME": "瀑布沟泄洪水量",  "DATA\_TIME": 1530374400000,  "DATA\_VALUE": 6.984  }  ],  "status": true  } |
| Notes |  |

#### 日溢弃水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOvpDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "799",  "POINT\_NAME": "瀑布沟泄洪水量",  "DATA\_TIME": 1529856000000,  "DATA\_VALUE": 50.637  }  ],  "status": true  } |
| Notes |  |

#### 月溢弃水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOvpMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "1823",  "POINT\_NAME": "沙南泄洪水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 2330.25  }  ],  "status": true  } |
| Notes |  |

#### 年溢弃水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidCpcOvpYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2015-06-01",//必填 "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "141",  "POINT\_NAME": "龚嘴泄洪水量",  "DATA\_TIME": 1451577600000,  "DATA\_VALUE": 39.29  }  ],  "status": true  } |
| Notes |  |

### 可调水量

#### 小时可调水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAdjHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-01 00:00:00",//必填  "endTime":"2018-07-02 00:00:00"} |
| Response | {  "data": [  {  "POINT\_ID": "740",  "POINT\_NAME": "铜街子可调水量",  "DATA\_TIME": 1530374400000,  "DATA\_VALUE": 23.978  }  ],  "status": true  } |
| Notes |  |

#### 日可调水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAdjDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "740",  "POINT\_NAME": "铜街子可调水量",  "DATA\_TIME": 1529769600000,  "DATA\_VALUE": 24.916  }  ],  "status": true  } |
| Notes |  |

#### 月可调水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAdjMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-01-01",  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "439",  "POINT\_NAME": "龚嘴可调水量",  "DATA\_TIME": 1514736000000,  "DATA\_VALUE": 1643.912  }  ],  "status": true  } |
| Notes |  |

#### 年可调水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAdjYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-01-01",//必填  "endTime":"2018-07-02"  } |
| Response | {  "data": [  {  "POINT\_ID": "1001",  "POINT\_NAME": "深溪沟可调水量",  "DATA\_TIME": 1451577600000,  "DATA\_VALUE": 1499.093  }  ],  "status": true  } |
| Notes |  |

### 入库流量

#### 五分钟入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowIn5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "722",  "POINT\_NAME": "铜街子入库流量",  "DATA\_TIME": 1529424030000,  "DATA\_VALUE": 1240  }  ],  "status": true  } |
| Notes |  |

#### 小时入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowInHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "722",  "POINT\_NAME": "铜街子入库流量",  "DATA\_TIME": 1529431200000,  "DATA\_VALUE": 1980  }  ],  "status": true  } |
| Notes |  |

#### 日入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowInDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "722",  "POINT\_NAME": "铜街子入库流量",  "DATA\_TIME": 1529510400000,  "DATA\_VALUE": 2650  }  ],  "status": true  } |
| Notes |  |

#### 月入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowInMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "722",  "POINT\_NAME": "铜街子入库流量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 2191  }  ],  "status": true  } |
| Notes |  |

#### 年入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowInYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "722",  "POINT\_NAME": "铜街子入库流量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 867  }  ],  "status": true  } |
| Notes |  |

### 出库流量

#### 五分钟出库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowOut5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "736",  "POINT\_NAME": "铜街子出库流量",  "DATA\_TIME": 1529424570000,  "DATA\_VALUE": 1590  }  ],  "status": true  } |
| Notes |  |

#### 小时出库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowOutHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "736",  "POINT\_NAME": "铜街子出库流量",  "DATA\_TIME": 1529424030000,  "DATA\_VALUE": 1590  }  ],  "status": true  } |
| Notes |  |

#### 日入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowOutDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "736",  "POINT\_NAME": "铜街子出库流量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 2370  }  ],  "status": true  } |
| Notes |  |

#### 月出库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowOutMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1852",  "POINT\_NAME": "大岗山出库流量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 2239.33  }  ],  "status": true  } |
| Notes |  |

#### 年入库流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/reservoidFlowOutYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "736",  "POINT\_NAME": "铜街子出库流量",  "DATA\_TIME": 1467302400000,  "DATA\_VALUE": 2940  }  ],  "status": true  } |
| Notes |  |

### 发电流量

#### 五分钟发电流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/powerGenFlow5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "211",  "POINT\_NAME": "龚嘴发电流量",  "DATA\_TIME": 1526898570000,  "DATA\_VALUE": 1497  }  ],  "status": true  } |
| Notes |  |

#### 小时发电流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/powerGenFlowHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "211",  "POINT\_NAME": "龚嘴发电流量",  "DATA\_TIME": 1526898570000,  "DATA\_VALUE": 1497  }  ],  "status": true  } |
| Notes |  |

#### 日发电流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/powerGenFlowDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "841",  "POINT\_NAME": "瀑布沟发电流量",  "DATA\_TIME": 1521907200000,  "DATA\_VALUE": 573  }  ],  "status": true  } |
| Notes |  |

#### 月发电流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/powerGenFlowMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "211",  "POINT\_NAME": "龚嘴发电流量",  "DATA\_TIME": 1480521600000,  "DATA\_VALUE": 1030  }  ],  "status": true  } |
| Notes |  |

#### 年发电流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/powerGenFlowYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "841",  "POINT\_NAME": "瀑布沟发电流量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 651  }  ],  "status": true  } |
| Notes |  |

### 泄洪流量

#### 五分钟泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodDchFlow5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1842",  "POINT\_NAME": "大岗山泄洪流量",  "DATA\_TIME": 1529424005000,  "DATA\_VALUE": 851  }  ],  "status": true  } |
| Notes |  |

#### 小时泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodDchFlowHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1842",  "POINT\_NAME": "大岗山泄洪流量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 848.652  }  ],  "status": true  } |
| Notes |  |

#### 日泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodDchFlowDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1842",  "POINT\_NAME": "大岗山泄洪流量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 1365.16  }  ],  "status": true  } |
| Notes |  |

#### 月泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodDchFlowMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "982",  "POINT\_NAME": "深溪沟泄洪流量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 249.16  }  ],  "status": true  } |
| Notes |  |

#### 年发电流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodDchFlowYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "221",  "POINT\_NAME": "龚嘴泄洪流量",  "DATA\_TIME": 1451577600000,  "DATA\_VALUE": 454.7  }  ],  "status": true  } |
| Notes |  |

### 耗水率

#### 小时耗水率

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterConsRateHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "745",  "POINT\_NAME": "铜街子平均耗水率",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 12.546  }  ],  "status": true  } |
| Notes |  |

#### 日耗水率

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterConsRateDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1558",  "POINT\_NAME": "猴子岩平均耗水率",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 2.966  }  ],  "status": true  } |
| Notes |  |

/api/water/waterConsRateMonth/1.0

#### 月耗水率

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterConsRateMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-03-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1997",  "POINT\_NAME": "枕头坝一级平均耗水率",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 14.918  }  ],  "status": true  } |
| Notes |  |

#### 年耗水率

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterConsRateYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-03-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "2114",  "POINT\_NAME": "沙南平均耗水率",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 26.243  }  ],  "status": true  } |
| Notes |  |

### 坝上水位

#### 五分钟坝上水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBehindDam5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "764",  "POINT\_NAME": "瀑布沟坝上水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 826.58  }  ],  "status": true  } |
| Notes |  |

#### 小时坝上水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBehindDamHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "893",  "POINT\_NAME": "深溪沟坝上水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 656.35  }  ],  "status": true  } |
| Notes |  |

#### 日坝上水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBehindDamDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1505",  "POINT\_NAME": "瀑布沟最大坝上水位",  "DATA\_TIME": 1521907200000,  "DATA\_VALUE": 798.57  }  ],  "status": true  } |
| Notes |  |

#### 月坝上水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBehindDamMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "764",  "POINT\_NAME": "瀑布沟坝上水位",  "DATA\_TIME": 1522512000000,  "DATA\_VALUE": 796.69  }  ],  "status": true  } |
| Notes |  |

#### 年坝上水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBehindDamYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1300",  "POINT\_NAME": "猴子岩坝上水位",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 1804.83  }  ],  "status": true  } |
| Notes |  |

### 坝下水位

#### 五分钟坝下水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBeforeDam5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1806",  "POINT\_NAME": "沙南坝下水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 537.95  }  ],  "status": true  } |
| Notes |  |

#### 小时坝下水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBeforeDamHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1806",  "POINT\_NAME": "沙南坝下水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 538.04  }  ],  "status": true  } |
| Notes |  |

#### 日坝下水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBeforeDamDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1806",  "POINT\_NAME": "沙南坝下水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 537.49  }  ],  "status": true  } |
| Notes |  |

#### 月坝下水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBeforeDamMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-03-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1883",  "POINT\_NAME": "枕头坝一级坝下水位",  "DATA\_TIME": 1464710400000,  "DATA\_VALUE": 592.63  }  ],  "status": true  } |
| Notes |  |

#### 年坝下水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/stageBeforeDamYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-03-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1302",  "POINT\_NAME": "猴子岩坝下水位",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 1694.75  }  ],  "status": true  } |
| Notes |  |

### 闸门开度

/api/water/gatageHour/1.0

/api/water/gatageDay/1.0

/api/water/gatageMonth/1.0

/api/water/gatageYear/1.0

### 门孔泄洪流量

/api/water/doorFloodDchFlow5Min/1.0

#### 5分钟门孔泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/doorFloodDchFlow5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:05:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1844",  "POINT\_NAME": "大岗山深孔1#闸门泄洪流量",  "DATA\_TIME": 1528560005000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 小时门孔泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/doorFloodDchFlowHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "990",  "POINT\_NAME": "深溪沟泄洪闸2#闸门泄洪流量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 日门孔泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/doorFloodDchFlowDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1844",  "POINT\_NAME": "大岗山深孔1#闸门泄洪流量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 年门孔泄洪流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/doorFloodDchFlowYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "990",  "POINT\_NAME": "深溪沟泄洪闸2#闸门泄洪流量",  "DATA\_TIME": 1451577600000,  "DATA\_VALUE": 95.57  }  ],  "status": true  } |
| Notes |  |

### 水文站水位

#### 十五分钟水文站水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyCheckFloodLvl5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:15:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "380",  "POINT\_NAME": "泸定水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 1309.25  }  ],  "status": true  } |
| Notes |  |

#### 小时水文站水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyCheckFloodLvlHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "378",  "POINT\_NAME": "丹巴水位",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 2281.08  }  ],  "status": true  } |
| Notes |  |

#### 日水文站水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyCheckFloodLvlDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "384",  "POINT\_NAME": "布科水位",  "DATA\_TIME": 1529510400000,  "DATA\_VALUE": 1996.5  }  ],  "status": true  } |
| Notes |  |

#### 月水文站水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyCheckFloodLvlMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "394",  "POINT\_NAME": "东谷水位",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 2174.28  }  ],  "status": true  } |
| Notes |  |

#### 年水文站水位

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyCheckFloodLvlYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "382",  "POINT\_NAME": "康定水位",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 2489.48  }  ],  "status": true  } |
| Notes |  |

### 水文站流量

#### 小时水文站流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyFlowHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "625",  "POINT\_NAME": "马尔康流量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 237.79  }  ],  "status": true  } |
| Notes |  |

#### 日水文站流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyFlowDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "POINT\_ID": "1494",  "POINT\_NAME": "岩润1流量",  "DATA\_TIME": 1529510400000,  "DATA\_VALUE": 271.3  }  ],  "status": true  } |
| Notes |  |

#### 月水文站流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyFlowMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "POINT\_ID": "631",  "POINT\_NAME": "泸定流量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 1812.99  }  ],  "status": true  } |
| Notes |  |

#### 年水文站流量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/hydyFlowYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-05-20",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "POINT\_ID": "632",  "POINT\_NAME": "康定流量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 25.6  }  ],  "status": true  } |
| Notes |  |

### 雨量

#### 十五分钟雨量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/rainFall5Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 00:15:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "2040",  "POINT\_NAME": "成都雨量",  "DATA\_TIME": 1526864400000,  "DATA\_VALUE": 162  }  ],  "status": true  } |
| Notes |  |

#### 小时雨量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/rainFallHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "2021",  "POINT\_NAME": "党岭雨量",  "DATA\_TIME": 1466611200000,  "DATA\_VALUE": 6.5  }  ],  "status": true  } |
| Notes |  |

#### 日雨量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/rainFallDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "383",  "POINT\_NAME": "康定雨量",  "DATA\_TIME": 1521849600000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 月雨量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/rainFallMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "108",  "POINT\_NAME": "勒乌雨量",  "DATA\_TIME": 1517443200000,  "DATA\_VALUE": 3.5  }  ],  "status": true  } |
| Notes |  |

#### 年雨量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/rainFallYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2017-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "2040",  "POINT\_NAME": "成都雨量",  "DATA\_TIME": 1483228800000,  "DATA\_VALUE": 401.5  }  ],  "status": true  } |
| Notes |  |

### 计划检修弃水水量

#### 小时计划检修弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdPlanMntHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "1322",  "POINT\_NAME": "猴子岩计划检修弃水水量",  "DATA\_TIME": 1529427600000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 日计划检修弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdPlanMntDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1826",  "POINT\_NAME": "沙南计划检修弃水水量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 月计划检修弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdPlanMntMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填 "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1826",  "POINT\_NAME": "沙南计划检修弃水水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 468.7  }  ],  "status": true  } |
| Notes |  |

#### 年计划检修弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdPlanMntYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2017-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "266",  "POINT\_NAME": "大岗山计划检修弃水水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

### 设备故障弃水水量

#### 小时设备故障弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdEopMalfunHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填 "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "267",  "POINT\_NAME": "大岗山设备故障弃水水量",  "DATA\_TIME": 1529427600000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 日设备故障弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdEopMalfunDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1827",  "POINT\_NAME": "沙南设备故障弃水水量",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 月设备故障弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdEopMalfunMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "10833",  "POINT\_NAME": "龚嘴设备故障弃水水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 年设备故障弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdEopMalfunYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2017-05-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "10837",  "POINT\_NAME": "铜街子设备故障弃水水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

### 电网影响弃水水量

#### 小时电网影响弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdGridEffHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "800",  "POINT\_NAME": "瀑布沟电网影响弃水水量",  "DATA\_TIME": 1514768400000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 日电网影响弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdGridEffDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "POINT\_ID": "1824",  "POINT\_NAME": "沙南电网影响弃水水量",  "DATA\_TIME": 1529251200000,  "DATA\_VALUE": 13.005  }  ],  "status": true  } |
| Notes |  |

#### 月电网影响弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdGridEffDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-04-20",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "POINT\_ID": "501",  "POINT\_NAME": "铜街子电网影响弃水水量",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 58.75  }  ],  "status": true  } |
| Notes |  |

#### 年电网影响弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdGridEffYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2017-04-20",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "POINT\_ID": "1918",  "POINT\_NAME": "枕头坝一级电网影响弃水水量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

### 泄洪弃水水量

#### 小时泄洪弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdFloodDchHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "801",  "POINT\_NAME": "瀑布沟泄洪弃水水量",  "DATA\_TIME": 1453219200000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 日泄洪弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdFloodDchDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "1919",  "POINT\_NAME": "枕头坝一级泄洪弃水水量",  "DATA\_TIME": 1453226400000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 月泄洪弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdFloodDchMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "801",  "POINT\_NAME": "瀑布沟泄洪弃水水量",  "DATA\_TIME": 1454256000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

#### 年泄洪弃水水量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/waterCpcAbdFloodDchYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-06-20",//必填  "endTime":"2018-06-21"  } |
| Response | {  "data": [  {  "POINT\_ID": "143",  "POINT\_NAME": "龚嘴泄洪弃水水量",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 0  }  ],  "status": true  } |
| Notes |  |

### 蓄能值

#### 小时蓄能值

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/energyStorageValueHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-03 01:00:00"  } |
| Response | {  "data": [  {  "POINT\_ID": "739",  "POINT\_NAME": "铜街子蓄能值",  "DATA\_TIME": 1530460800000,  "DATA\_VALUE": 76.248  }  ],  "status": true  } |
| Notes |  |

#### 天蓄能值

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/energyStorageValueDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "739",  "POINT\_NAME": "铜街子蓄能值",  "DATA\_TIME": 1529424000000,  "DATA\_VALUE": 149.75  }  ],  "status": true  } |
| Notes |  |

#### 月蓄能值

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/energyStorageValueMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-07-08"  } |
| Response | {  "data": [  {  "POINT\_ID": "1855",  "POINT\_NAME": "大岗山蓄能值",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 2245.74  }  ],  "status": true  } |
| Notes |  |

#### 年蓄能值

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/energyStorageValueYear/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-05-20",//必填  "endTime":"2018-07-08"  } |
| Response | {  "data": [  {  "POINT\_ID": "1855",  "POINT\_NAME": "大岗山蓄能值",  "DATA\_TIME": 1527782400000,  "DATA\_VALUE": 2245.74  }  ],  "status": true  } |
| Notes |  |

### 弃水损失电量

### 旋备损失电量

### 调度损失电量

### 水位流量曲线

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodLvlFLECvs/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2016-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "739",  "POINT\_NAME": "铜街子蓄能值",  "DATA\_TIME": 1483200000000,  "DATA\_VALUE": 91082.29  }  ],  "status": true  } |
| Notes |  |

### 溢流曲线

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/overFlowCvs/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "100147",  "POINT\_NAME": "猴子岩溢洪洞溢流曲线",  "X": 1823,  "Y1": 22,  "Y2": 273  }  ],  "status": true  } |
| Notes |  |

### 水位库容曲线

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/floodLvlStoreCpcCvs/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "100026",  "POINT\_NAME": "龚嘴水位库容曲线",  "X": 516.6,  "Y1": 3.65,  "Y2": -99  }  ],  "status": true  } |
| Notes |  |

### 机组NHQ曲线

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/water/macNhqCvs/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "POINT\_ID": "100028",  "POINT\_NAME": "龚嘴机组NHQ曲线",  "X": 30,  "Y1": 46,  "Y2": 109  }  ],  "status": true  } |
| Notes |  |

### 闸门泄洪曲线？

/api/water/gatageFloodDchCvs/1.0

### 预想曲线？

/api/water/expectedCvs/1.0

### 气象预报？

### 水情实时

http://{baseUrl}/api/water/wdsReal/1.0

### 水情历史

http://{baseUrl}/api/water/wdsHistory/1.0

### 次日入库流量

http://{baseUrl}/ api/water/reservoidFlowInTomorrow/1.0

### 坝上水位（包含外部流域）

http://{baseUrl}/ api/water/stageBehindDamDay/2.0

### 入库流量（包含外部流域）

http://{baseUrl} /api/water/reservoidFlowInDay/2.0

### 出库流量（包含外部流域）

http://{baseUrl} /api/water/reservoidFlowOutDay/2.0

### 水情数据（根据类型查询）

#### 5分钟数据

http://{baseUrl} /api/water/wds5Min/1.0

#### 小时数据

http://{baseUrl} /api/water/wdsHour/1.0

#### 天数据

http://{baseUrl} /api/water/wdsDay/1.0

#### MEAS\_CODE码表

|  |  |
| --- | --- |
| MEAS\_CODE | 中文名 |
| 1013 | 预计次日最大出力(上传) |
| 1014 | 预计次日最小出力(上传) |
| 1021 | 合同计划 |
| 1022 | 大用户计划 |
| 1029 | 其他计划 |
| 2012 | 工况约束弃水电量 |
| 2013 | 调峰弃水电量 |
| 2014 | 检修弃水电量 |
| 2015 | 其它弃水电量 |
| 2016 | 水头损失电量 |
| 2018 | 库容差电量 |
| 2020 | 水库蓄能值 |
| 2021 | 调度弃水电量 |
| 2022 | 泄洪弃水电量 |
| 2024 | 非计划停运弃水电量 |
| 2032 | 电量年计划 |
| 2033 | 电量月计划 |
| 3600 | 水位 |
| 3601 | 坝上水位 |
| 3602 | 坝下水位 |
| 3700 | 流量 |
| 3701 | 入库流量 |
| 3702 | 出库流量 |
| 3703 | 发电流量 |
| 3704 | 空载流量 |
| 3706 | 泄洪流量 |
| 3707 | 坝下流量 |
| 3708 | 小时预计入库流量 |
| 3713 | 日预报流量 |
| 3714 | 预报流量 |
| 3715 | 预报流量(水情) |
| 3800 | 蓄水量 |
| 3801 | 入库水量 |
| 3802 | 出库水量 |
| 3803 | 发电水量 |
| 3804 | 空载水量 |
| 3806 | 泄洪水量 |
| 3807 | 可调水量 |
| 3808 | 小机发电水量 |
| 3811 | 泄洪弃水水量 |
| 3814 | 非计划停运弃水水量 |
| 3815 | 不合理调度弃水水量 |
| 3816 | 调峰弃水水量 |
| 4220 | 坝上水位备用 |
| 4221 | 坝上水位趋势 |
| 4222 | 坝下水位趋势 |
| 4234 | 雨量 |
| 4241 | 监控与水调通信中断 |
| 4242 | 电网影响弃水水量 |
| 4243 | 有效弃水水量 |
| 4248 | 检修弃水影响出力 |
| 4251 | 工况约束影响出力 |
| 4254 | 其它弃水影响出力 |
| 4257 | 其它弃水备注 |
| 4258 | 电网影响弃水电量 |
| 4261 | 有效弃水电量 |
| 4262 | 预计明日8时入库流量 |
| 4263 | 有效弃水流量 |
| 4264 | 预计次日弃水流量 |
| 4265 | 流域平均降雨 |
| 4266 | 节水增发考核电量 |
| 4267 | 蓄能值 |
| 4268 | 预计次日入库流量(上传) |
| 4269 | 平均耗水率 |
| 4270 | 发电流量(上传) |
| 4276 | 全场出力 |
| 4282 | 预计当日入库流量(上传) |
| 4283 | 预计第三日入库流量(上传) |
| 4284 | 计划检修弃水水量 |
| 4285 | 设备故障弃水水量 |
| 4293 | 预报入库(水调手动) |
| 4294 | 旬径流预报 |
| 4295 | 月径流预报 |
| 4296 | 年径流预报 |
| 4297 | 区间预报入库(水调手动) |
| 4298 | 小时预报流量 |
| 4299 | 旬预报流量 |
| 4300 | 月预报流量 |
| 4301 | 年预报流量 |
| 4302 | 日径流预报流量 |
| 4304 | 短期日计划 |
| 4305 | 电量日计划 |
| 4306 | 电量旬计划 |
| 4307 | 预报入库(水调自动) |
| 4308 | 水位趋势 |
| 4309 | 流量(备用) |
| 4310 | 引水闸流量 |
| 4311 | 弃水损失电量 |
| 4312 | 引水水量 |
| 4314 | 引水电量 |
| 4315 | 发电量手工 |
| 4323 | 上网发电量手工 |
| 4324 | 小机发电量手工 |
| 4325 | 合成流量 |
| 4326 | 合成水位 |
| 4330 | 设备故障弃水电量 |
| 4331 | 流域平均降雨1 |
| 4332 | 建议计次日发电量(上传) |
| 4341 | 平均坝上水位(web使用) |
| 4342 | 平均水位(web使用) |
| 4343 | 泄洪流量(web使用) |
| 4345 | 出力(web使用) |
| 4346 | 电站信息 |
| 4347 | 有效库容 |
| 4348 | 运行水头 |
| 4349 | 前1小时耗水率 |
| 4350 | 区间流量 |
| 4352 | 水位（水情) |
| 4353 | 水位1 |
| 4354 | 水位2 |
| 4355 | 雨量1 |
| 4356 | 雨量2 |
| 4357 | 天气状况 |
| 4358 | 最大水位 |
| 4359 | 最大坝上水位 |
| 4360 | 最大入库流量 |
| 4361 | 水文蓄水量 |
| 4365 | 尾水水位 |

## 电数据

### 流域发电量

#### 流域小时发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyGenPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DDH",  "data\_name": "国电大渡河流域水电开发有限公司发电量",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "1",  "value": 2291.838989  }  ],  "status": true  } |
| Notes |  |

#### 流域日发电量

/api/power/companyGenPowerDay/1.0

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyGenPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DDH",  "data\_name": "国电大渡河流域水电开发有限公司发电量",  "data\_time": "2018-07-02",  "power\_type": "1",//发电量  "value\_j": 13564.931819,//尖  "value\_f": 12020.710389,//峰  "value\_p": 22148.20966,//平  "value\_g": 14023.553416,//谷  "value": 61757.405284,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 流域月发电量

/api/power/companyGenPowerMonth/1.0?

#### 流域年发电量

/api/power/companyGenPowerYear/1.0?

#### 流域15分发电量

/api/power/companyGenPower15Min/1.0

### 流域上网电量

#### 流域小时上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyLinePowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-03 01:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DDH",  "data\_name": "国电大渡河流域水电开发有限公司上网电量",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "2",//上网电量  "value": 2280.47038  }  ],  "status": true  } |
| Notes |  |

#### 流域天上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyLinePowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DDH",  "data\_name": "国电大渡河流域水电开发有限公司上网电量",  "data\_time": "2018-07-02",  "power\_type": "2",//上网电量  "value\_j": 13490.165632,//尖  "value\_f": 11949.847003,//峰  "value\_p": 22012.763679,//平  "value\_g": 13918.960092,//谷  "value": 61371.736406,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 流域月上网电量

/api/power/companyLinePowerMonth/1.0?

#### 流域年上网电量

/api/power/companyLinePowerYear/1.0?

#### 流域15分上网电量

/api/power/companyLinePower15Min/1.0?

### 流域厂用电量

#### 流域小时厂用电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyPUPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-03 01:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DDH",  "data\_name": "国电大渡河流域水电开发有限公司厂用电",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "3",//厂用电  "value": 3.732308  }  ],  "status": true  } |
| Notes |  |

#### 流域日厂用电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyPUPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DDH",  "data\_name": "国电大渡河流域水电开发有限公司厂用电",  "data\_time": "2018-07-02",  "power\_type": "3",//厂用电  "value\_j": 16.294584,//尖  "value\_f": 15.873649,//峰  "value\_p": 31.918446,//平  "value\_g": 29.696462,//谷  "value": 93.783141,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 流域月厂用电量

/api/power/companyPUPowerMonth/1.0?

#### 流域年厂用电量

/api/power/companyPUPowerYear/1.0?

#### 流域15Min厂用电量

/api/power/companyPUPower15Min/1.0

### 电厂发电量

#### 发电厂小时发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantGenPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-03 01:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DG",  "data\_name": "大岗山水力发电总厂发电量",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "1",//发电量  "value": 1689.40849  }  ],  "status": true  } |
| Notes |  |

#### 发电厂日发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantGenPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DG",  "data\_name": "大岗山水力发电总厂发电量",  "data\_time": "2018-07-02",  "power\_type": "1",//发电量  "value\_j": 5493.077288,//尖  "value\_f": 7814.683731,//峰  "value\_p": 10737.892927,//平  "value\_g": 10615.715284,//谷  "value": 34661.36923,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 发电厂月发电量

/api/power/plantGenPowerMonth/1.0?

#### 发电厂年发电量

/api/power/plantGenPowerYear/1.0?

#### 发电厂15发电量

/api/power/plantGenPower15Min/1.0

### 电厂上网电量

#### 电厂小时上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantLinePowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DG",  "data\_name": "大岗山水力发电总厂上网电量",  "data\_time": "2018-06-20 00:00:00",  "power\_type": "2",//上网电量  "value": 2088.86568  }  ],  "status": true  } |
| Notes |  |

#### 电厂日上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantLinePowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-18",//必填  "endTime":"2018-06-19"  } |
| Response | {  "data": [  {  "point\_code": "DG",  "data\_name": "大岗山水力发电总厂上网电量",  "data\_time": "2018-06-18",  "power\_type": "2",//上网电量  "value\_j": 1200.038803,//尖  "value\_f": 8823.492051,//峰  "value\_p": 10116.47384,//平  "value\_g": 9643.280139,//谷  "value": 29783.284833,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 电厂月上网电量

/api/power/plantLinePowerMonth/1.0

#### 电厂年上网电量

/api/power/plantLinePowerYear/1.0?

#### 电厂15分上网电量

/api/power/plantLinePower15Min/1.0

### 电厂厂用电量

#### 电厂小时厂用量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantPUPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DG",  "data\_name": "大岗山水力发电总厂厂用电",  "data\_time": "2018-06-20 00:00:00",  "power\_type": "3",//厂用电  "value": 3.072289  }  ],  "status": true  } |
| Notes |  |

#### 电厂日厂用量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantPUPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-19",//必填  "endTime":"2018-06-20"  } |
| Response | {  "data": [  {  "point\_code": "DG",  "data\_name": "大岗山水力发电总厂厂用电",  "data\_time": "2018-06-18",  "power\_type": "3",//厂用电  "value\_j": 12.265635,//尖  "value\_f": 12.675039,//峰  "value\_p": 24.838844,//平  "value\_g": 24.71964,//谷  "value": 74.499158,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 电厂月厂用量

/api/power/plantPUPowerMonth/1.0?

#### 电厂年厂用量

/api/power/plantPUPowerYear/1.0?

#### 电厂15分厂用量

/api/power/plantPUPower15Min/1.0

### 电站发电量

#### 电站15分发电量

http://{baseUrl}/api/power/stationGenPower15Min/1.0

#### 电站小时发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationGenPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 01:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DGS",  "data\_name": "大岗山电站发电量",  "data\_time": "2018-06-20 00:00:00",  "power\_type": "1",//发电量  "value": 2099.679732  }  ],  "status": true  } |
| Notes |  |

#### 电站日发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationGenPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-19",//必填  "endTime":"2018-06-20"  } |
| Response | {  "data": [  {  "point\_code": "GDG",  "data\_name": "龚嘴电站发电量",  "data\_time": "2018-06-19",  "power\_type": "1",//发电量  "value\_j": 2971.980815,//尖  "value\_f": 66.34869,//峰  "value\_p": 5960.688726,//平  "value\_g": 4052.069832,//谷  "value": 13051.088063,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 电站月发电量

/api/power/stationGenPowerMonth/1.0?

#### 电站年发电量

/api/power/stationGenPowerYear/1.0?

### 电站上网电量

#### 电站小时上网电量

#### 电站日上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationLinePowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-18",//必填  "endTime":"2018-06-22"  } |
| Response | {  "data": [  {  "point\_code": "DGS",  "data\_name": "大岗山电站上网电量",  "data\_time": "2018-06-18",  "power\_type": "2",//上网电量  "value\_j": 1200.038803,//尖  "value\_f": 8823.492051,//峰  "value\_p": 10116.47384,//平  "value\_g": 9643.280139,//谷  "value": 29783.284833,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 电站月上网电量

/api/power/stationLinePowerMonth/1.0?

#### 电站年上网电量

/api/power/stationLinePowerYear/1.0?

#### 电站15分上网电量

/api/power/stationLinePower15Min/1.0

### 电站厂用电量

#### 电站小时厂用电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationPUPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-20 00:00:00",//必填  "endTime":"2018-06-20 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DGS",  "data\_name": "大岗山电站厂用电",  "data\_time": "2018-06-20 00:00:00",  "power\_type": "3",//厂用电  "value": 3.072289  }  ],  "status": true  } |
| Notes |  |

#### 电站日厂用电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationPUPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-06-18",//必填  "endTime":"2018-06-20"  } |
| Response | {  "data": [  {  "point\_code": "DGS",  "data\_name": "大岗山电站厂用电",  "data\_time": "2018-06-18",  "power\_type": "3",//厂用电  "value\_j": 12.265635,//尖  "value\_f": 12.675039,//峰  "value\_p": 24.838844,//平  "value\_g": 24.71964,//谷  "value": 74.499158,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 电站月厂用电量

/api/power/stationPUPowerMonth/1.0?

#### 电站年厂用电量

/api/power/stationPUPowerYear/1.0?

#### 电站15分厂用电量

/api/power/stationPUPower15Min/1.0?

### 机组发电量

#### 机组小时发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineGenPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-02 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DGS1GGCB",  "data\_name": "大岗山1F单机电量(有功输出) ",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "1",//发电量  "value": 496.250064  }  ],  "status": true  } |
| Notes |  |

#### 机组日发电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineGenPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DGS1GGCB",  "data\_name": "大岗山1F单机电量(有功输出) ",  "data\_time": "2018-07-02",  "power\_type": "1",//发电量  "value\_j": 750.068612,//尖  "value\_f": 1513.638813,//峰  "value\_p": 1207.212487,//平  "value\_g": 2414.222998,//谷  "value": 5885.14291,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 机组月发电量

/api/power/lineGenPowerMonth/1.0?

#### 机组年发电量

/api/power/lineGenPowerYear/1.0?

#### 机组15分发电量

/api/power/lineGenPower15Min/1.0?

### 线路上网电量

#### 线路小时上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineLinePowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-02 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DGS1EX1E",  "data\_name": "大雅一线上网电量",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "2",//上网电量  "value": 838.984592  }  ],  "status": true  } |
| Notes |  |

#### 线路小时上网电量(有功输出)

http://{baseUrl}/api/power/lineLinePowerOutPutHour/1.0

#### 线路小时上网电量(有功输入)

http://{baseUrl}/api/power/lineLinePowerInputHour/1.0

#### 线路日上网电量(有功输出)

http://{baseUrl}/api/power/lineLinePowerOutputDay/1.0

#### 线路日上网电量(有功输入)

http://{baseUrl}/api/power/lineLinePowerInputDay/1.0

#### 线路日上网电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineLinePowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DGS1EX1E",  "data\_name": "大雅一线上网电量",  "data\_time": "2018-07-02",  "power\_type": "2",//上网电量  "value\_j": 2726.616932,//尖  "value\_f": 3881.696348,//峰  "value\_p": 5330.090468,//平  "value\_g": 5271.878572,//谷  "value": 17210.28232,  "month\_value": 0,  "year\_value": 0  }  ],  "status": true  } |
| Notes |  |

#### 线路月上网电量

/api/power/lineLinePowerMonth/1.0?

#### 线路年上网电量

/api/power/lineLinePowerYear/1.0?

#### 线路15分上网电量

/api/power/lineLinePower15Min/1.0

### 线路厂用电量

#### 线路小时厂用电量

/api/power/linePUPowerHour/1.0

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/linePUPowerHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02 00:00:00",//必填  "endTime":"2018-07-02 02:00:00"  } |
| Response | {  "data": [  {  "point\_code": "DGS1T1CB",  "data\_name": "大岗山1CB用电(有功输出) ",  "data\_time": "2018-07-02 00:00:00",  "power\_type": "3",//厂用电量  "value": 0.663526  }  ],  "status": true  } |
| Notes |  |

#### 线路日厂用电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/linePUPowerDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "point\_code": "DGS1T1CB",  "data\_name": "大岗山1CB用电(有功输出) ",  "data\_time": "2018-07-02",  "power\_type": "3",//厂用电量  "value\_j": 4.17029,//尖  "value\_f": 4.247472,//峰  "value\_p": 8.689925,//平  "value\_g": 7.666493,//谷  "value": 24.77418,  "month\_value": -1,  "year\_value": -1  }  ],  "status": true  } |
| Notes |  |

#### 线路月厂用电量

/api/power/linePUPowerMonth/1.0?

#### 线路年厂用电量

/api/power/linePUPowerYear/1.0?

#### 线路15分厂用电量

/api/power/linePUPower15Min/1.0

### 正向有功原始电量?

### 反向有功原始电量?

### 正向有功窗口电量?

### 反向有功窗口电量?

### 正向有功实际电量?

### 反向有功实际电量?

### 计划电量／负荷

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/planLoadValue15Min/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02 00:15:00",//必填  "endTime":"2018-07-02 00:30:00"  } |
| Response | {  "data": [  {  "node\_id": "DGS",  "data\_name": "大岗山电站计划电量/计划负荷",  "data\_time": "2018-07-02 00:15:00",  "plan\_load": 1000,  "plan\_value": 250  }  ],  "status": true  } |
| Notes |  |

### 流域出力

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyGenOutDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "-1",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "国电大渡河流域水电开发有限公司",  "data\_time": "2018-07-02",  "min\_value": 338.539093,  "min\_time": "2018/07/02 23:59:00.000",  "max\_value": 726.968933,  "max\_time": "2018/07/02 20:20:00.000",  "min\_value\_f": 398.129211,  "min\_time\_f": "2018/07/02 22:59:00.000",  "max\_value\_f": 726.968933,  "max\_time\_f": "2018/07/02 20:20:00.000",  "min\_value\_p": 363.306976,  "min\_time\_p": "2018/07/02 18:45:00.000",  "max\_value\_p": 671.902649,  "max\_time\_p": "2018/07/02 11:09:00.000",  "min\_value\_g": 338.539093,  "min\_time\_g": "2018/07/02 23:59:00.000",  "max\_value\_g": 515.109131,  "max\_time\_g": "2018/07/02 23:14:00.000"  }  ],  "status": true  } |
| Notes |  |

### 电厂出力

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantGenOutDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "大岗山水力发电总厂",  "data\_time": "2018-07-03",  "min\_value": 0,  "min\_time": "2018/07/03 15:12:00.000",  "max\_value": 232.964417,  "max\_time": "2018/07/03 11:26:00.000",  "min\_value\_f": 115.63958,  "min\_time\_f": "2018/07/03 08:02:00.000",  "max\_value\_f": 220.880722,  "max\_time\_f": "2018/07/03 09:40:00.000",  "min\_value\_p": 0,  "min\_time\_p": "2018/07/03 15:12:00.000",  "max\_value\_p": 232.964417,  "max\_time\_p": "2018/07/03 11:26:00.000",  "min\_value\_g": 112.021187,  "min\_time\_g": "2018/07/03 06:59:00.000",  "max\_value\_g": 167.411118,  "max\_time\_g": "2018/07/03 00:48:00.000"  }  ],  "status": true  } |
| Notes |  |

### 电站出力

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationGenOutDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "-1",  "data\_name": "大岗山电站",  "data\_time": "2018-07-02",  "min\_value": 78.56501,  "min\_time": "2018/07/02 23:59:00.000",  "max\_value": 231.84079,  "max\_time": "2018/07/02 20:49:00.000",  "min\_value\_f": 163.518326,  "min\_time\_f": "2018/07/02 20:01:00.000",  "max\_value\_f": 231.84079,  "max\_time\_f": "2018/07/02 20:49:00.000",  "min\_value\_p": 89.865128,  "min\_time\_p": "2018/07/02 16:01:00.000",  "max\_value\_p": 204.002457,  "max\_time\_p": "2018/07/02 16:25:00.000",  "min\_value\_g": 78.56501,  "min\_time\_g": "2018/07/02 23:59:00.000",  "max\_value\_g": 228.497116,  "max\_time\_g": "2018/07/02 00:16:00.000"  }  ],  "status": true  } |
| Notes |  |

### 机组出力

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineGenOutDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "DGS1GGCB",  "data\_name": "1F机组 ",  "data\_time": "2018-07-02",  "min\_value": 1.946495,  "min\_time": "2018/07/02 14:37:00.000",  "max\_value": 63.946583,  "max\_time": "2018/07/02 00:15:00.000",  "min\_value\_f": 14.997117,  "min\_time\_f": "2018/07/02 08:16:00.000",  "max\_value\_f": 57.71542,  "max\_time\_f": "2018/07/02 22:16:00.000",  "min\_value\_p": 1.946495,  "min\_time\_p": "2018/07/02 14:37:00.000",  "max\_value\_p": 27.551308,  "max\_time\_p": "2018/07/02 16:23:00.000",  "min\_value\_g": 2.090189,  "min\_time\_g": "2018/07/02 23:41:00.000",  "max\_value\_g": 63.946583,  "max\_time\_g": "2018/07/02 00:15:00.000"  }  ],  "status": true  } |
| Notes |  |

### 流域运行时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyRunTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "-1",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "国电大渡河流域水电开发有限公司",  "data\_time": "2018-07-02",  "run\_time\_j": 781.033332,  "run\_time\_f": 788,  "run\_time\_p": 778.75,  "run\_time\_g": 748.333334,  "run\_time\_z": 720.116666  }  ],  "status": true  } |
| Notes |  |

### 电厂运行时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantRunTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "大岗山水力发电总厂",  "data\_time": "2018-07-02",  "run\_time\_j": 96,  "run\_time\_f": 96,  "run\_time\_p": 96,  "run\_time\_g": 96,  "run\_time\_z": 96  }  ],  "status": true  } |
| Notes |  |

### 电站运行时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationRunTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "-1",  "data\_name": "大岗山电站",  "data\_time": "2018-07-02",  "run\_time\_j": 96,  "run\_time\_f": 96,  "run\_time\_p": 96,  "run\_time\_g": 96,  "run\_time\_z": 96  }  ],  "status": true  } |
| Notes |  |

### 机组运行时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineRunTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "DGS1GGCB",  "data\_name": "1F机组 ",  "data\_time": "2018-07-02",  "run\_time\_j": 24,  "run\_time\_f": 24,  "run\_time\_p": 24,  "run\_time\_g": 24,  "run\_time\_z": 24  }  ],  "status": true  } |
| Notes |  |

### 流域停机时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyStopTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "-1",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "国电大渡河流域水电开发有限公司",  "data\_time": "2018-07-02",  "stop\_time\_j": 10.966668,  "stop\_time\_f": 4,  "stop\_time\_p": 13.25,  "stop\_time\_g": 43.666664,  "stop\_time\_z": 71.883331  }  ],  "status": true  } |
| Notes |  |

### 电厂停机时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantStopTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "大岗山水力发电总厂",  "data\_time": "2018-07-02",  "stop\_time\_j": 0,  "stop\_time\_f": 0,  "stop\_time\_p": 0,  "stop\_time\_g": 0,  "stop\_time\_z": 0  }  ],  "status": true  } |
| Notes |  |

### 电站停机时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationStopTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "-1",  "data\_name": "大岗山电站",  "data\_time": "2018-07-02",  "stop\_time\_j": 0,  "stop\_time\_f": 0,  "stop\_time\_p": 0,  "stop\_time\_g": 0,  "stop\_time\_z": 0  }  ],  "status": true  } |
| Notes |  |

### 机组运行时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationStopTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "DGS1GGCB",  "data\_name": "1F机组 ",  "data\_time": "2018-07-02",  "stop\_time\_j": 0,  "stop\_time\_f": 0,  "stop\_time\_p": 0,  "stop\_time\_g": 0,  "stop\_time\_z": 0  }  ],  "status": true  } |
| Notes |  |

### 流域旋备时间

/api/power/companyXbTimeDay/1.0

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/companyXbTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime": "2018-07-02",//必填  "endTime": "2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "-1",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "国电大渡河流域水电开发有限公司",  "data\_time": "2018-07-02",  "xb\_time\_j": 0.816666,  "xb\_time\_f": 5.033334,  "xb\_time\_p": 6.150001,  "xb\_time\_g": 10.283334,  "xb\_time\_z": 22.283335  }  ],  "status": true  } |
| Notes |  |

### 电厂旋备时间

/api/power/plantXbTimeDay/1.0

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/plantXbTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime": "2018-07-02",//必填  "endTime": "2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "-1",  "line\_code": "-1",  "data\_name": "大岗山水力发电总厂",  "data\_time": "2018-07-02",  "xb\_time\_j": 0,  "xb\_time\_f": 0,  "xb\_time\_p": 0.05,  "xb\_time\_g": 0.016667,  "xb\_time\_z": 0.066667  }  ],  "status": true  } |
| Notes |  |

### 电站旋备时间

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationXbTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime": "2018-07-02",//必填  "endTime": "2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "-1",  "data\_name": "大岗山电站",  "data\_time": "2018-07-02",  "xb\_time\_j": 0,  "xb\_time\_f": 0,  "xb\_time\_p": 0.05,  "xb\_time\_g": 0.016667,  "xb\_time\_z": 0.066667  }  ],  "status": true  } |
| Notes |  |

### 机组旋备时间

/api/power/lineXbTimeDay/1.0

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/lineXbTimeDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "stationCode":"DGS",//必填  "startTime":"2018-07-02",//必填  "endTime":"2018-07-03"  } |
| Response | {  "data": [  {  "p\_plant\_code": "DG",  "station\_code": "DGS",  "line\_code": "DGS1GGCB",  "data\_name": "1F机组 ",  "data\_time": "2018-07-02",  "xb\_time\_j": 0,  "xb\_time\_f": 0,  "xb\_time\_p": 0.033333,  "xb\_time\_g": 0,  "xb\_time\_z": 0.033333  }  ],  "status": true  } |
| Notes |  |

### 电站信息

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/power/stationDim/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: |  |
| Response | {  "data": [  {  "wid": -1,  "station\_id": "11000000",//电站编号  "station\_code": "GDT",//电站编码  "station\_full\_name": "铜街子电站",//电站全称  "station\_name": "铜街子",//电站名称  "plant\_code": "GD",//电厂编码  "plant\_name": "龚嘴水力发电总厂",//电厂名称  "capacity": "700.0",//装机容量  "load\_total": "700",//投产容量(单位:MW)  "unit\_capa": "175.0",//单机容量  "unit\_nums": "4",//机组数量  "join\_date": "",//投运时间  "self": "1",//是否大渡河电站 1是  "cgroup": "1000000",//集团编号  "cgroup\_name": "国电大渡河",//集团名称  "river": "",//流域编号  "river\_name": "",//流域名称  "direction": "",//区域编号  "direction\_name": "",//区域名称  "load\_date": "2018-07-30",  "source\_code": "MKT"  }  ],  "status": true  } |
| Notes |  |

## 气象预报

### 雨量预报

#### 雨量预报小时

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/forc/rainSiteForcHour/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "pointCode": "R106YLR000084",//必填  "startTime": "2018-07-03 18:00:00",//必填  "endTime": "2018-07-03 22:00:00"  } |
| Response | {  "data": [  {  "point\_code": "R106YLR000084",  "id\_org": "14084",  "name\_org": "班玛雨量",  "predict\_date": "2018-07-03 18:00:00",  "created\_dt": "2018-07-03 17:00:00",  "fvalue": 1,  "tvalue": null  }  ],  "status": true  } |
| Notes |  |

#### 雨量预报天

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/forc/rainSiteForcDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "pointCode": "R106YLR000084",//必填  "startTime": "2018-07-03",//必填  "endTime": "2018-07-11"  } |
| Response | {  "data": [  {  "point\_code": "R106YLR000084",  "id\_org": "14084",  "name\_org": "班玛雨量",  "predict\_date": "2018-07-03",  "created\_dt": "2018-07-03 00:00:00",  "fvalue": 7.68  }  ],  "status": true  } |
| Notes |  |

## 集控监控

### 监控实时

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/ems/emsReal/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "pointCode":"ESDGSDYL2E004216"  } |
| Response | {  "data": [  {  "LOAD\_DATE": "2018-07-06 18:31:17",  "POINT\_CODE": "ESDGSDYL2E004216",  "SITE\_TYPE\_CODE": "S",  "VALUE": "529.375",  "SITE\_CODE": "DGS",  "MAC\_LINE\_CODE": "L2E00",  "MEAS\_TYPE\_CODE": "DY",  "MEAS\_TYPE": "电压",  "DATA\_TIME": "2018-07-05 17:03:00",  "SOURCE\_CODE": "ODS\_EMS.EMS",  "POINT\_NAME": "大岗山2E线路侧A相电压",  "MEAS\_CODE": "4216",  "ID\_ORG": "2045",  "MEAS\_NAME": "A相电压",  "ROWID": "-1"  }  ],  "status": true  } |
| Notes |  |

### 监控历史

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/ems/emsHistory/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "pointCode":"EGZBXSWW00004365",//必填  "startTime":"2018-07-05 17:03:00",//必填  "endTime":"2018-07-05 17:04:00"  } |
| Response | {  "data": [  {  "LOAD\_DATE": "2018-07-06 18:29:52",  "POINT\_CODE": "EGZBXSWW00004365",  "SITE\_TYPE\_CODE": "W",  "VALUE": "478.87249756",  "SITE\_CODE": "GZBX",  "MAC\_LINE\_CODE": "W0000",  "MEAS\_TYPE\_CODE": "SW",  "MEAS\_TYPE": "水位",  "DATA\_TIME": "2018-07-05 17:03:00",  "SOURCE\_CODE": "ODS\_EMS.EMS",  "POINT\_NAME": "龚站下厂尾水水位",  "MEAS\_CODE": "4365",  "ID\_ORG": "1850",  "MEAS\_NAME": "尾水水位",  "ROWID": "-1"  }  ],  "status": true  } |
| Notes |  |

## 电厂监控

### 监控实时

### 监控历史

# 市场营销

## 电网月计划

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/mkt/gridPlanPlmMonth /1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime": "2018-01-01 00:00:00",//必填  "endTime": "2018-11-01 00:00:00"  } |
| Response | {  "data": [  {  "station\_code": "GDT",  "station\_name": "铜街子",  "occur\_date": "2018-05-01 00:00:00",//发生时间  "energy": 23920 //电量 兆瓦时,  }  ],  "status": true  } |
| Notes |  |

## 公司月计划

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/mkt/companyPlanPlmMonth/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime": "2018-01-01 00:00:00",//必填  "endTime": "2018-11-01 00:00:00"  } |
| Response | {  "data": [  {  "station\_code": "GDT",  "station\_name": "铜街子",  "occur\_date": "2018-01-01 00:00:00",  "energy": 292380  }  ],  "status": true  } |
| Notes |  |

## 售电量

|  |  |
| --- | --- |
| URI: | http://{baseUrl}/api/mkt/contractDetailDay/1.0 |
| Method: | POST |
| Request Header: | Content-Type:application/json  Authorization:{sessionId} |
| Body: | {  "startTime": "2017-03-31 00:00:00",  "endTime": "2017-04-01 00:00:00"  } |
| Response | {  "data": [  {  "contract\_id": 11001249,//合同编号  "contract\_name": null, //合同名称  "contract\_no": "GZ-GSD-02-2017-01", //合同编码  "occur": "2017-03-31 00:00:00",//时间  "customer\_id": "10100006",//买方编号  "customer\_name": "四川广元启明星铝业",//买方  "saler\_id": "11000001",//卖方编号  "saler\_name": "龚嘴",//卖方  "trade\_result": "11002574",//交易结果编号  "energy\_type": "80",//交易基类  "energy\_type\_name": "降价电量",//交易基类名称  "market\_type": "0",//电量类别  "trade\_type": "1",//交易类型  "trade\_way": "2",//交易方式  "interval": "P1Y",//时间间隔类型编码  "interval\_name": "年",//时间间隔类型名称  "contract\_type": "1",//合同类型编号  "contract\_type\_name": "售电合同",//合同类型  "energy": 710940,//合同电量  "price": 85,//合同电价  "fee": 60429900,//合同电费  "district": "510802",//地区编号  "district\_name": "利州",//地区  "city": "5108",//城市编号  "city\_name": "广元",//城市  "province": "51",//省份编号  "province\_name": "四川",//省份  "direction": "6",//大区编号  "direction\_name": "西南",//大区名称  "minor": "32",///行业编号  "minor\_name": "有色金属冶炼和压延加工业",//行业  "major": "3",//行业分类编号  "major\_name": "制造业 ",//行业分类名称  "voltage": "220",//电压等级编号  "voltage\_name": "220千伏",//电压等级  "plan\_energy": "1950.6452",//计划电量  "complete\_enery": null//完成电量  }  ],  "status": true  } |
| Notes |  |

# 附录

### 电站编码（stationCode）一览表

|  |  |
| --- | --- |
| ZDY | 枕头坝一级电站 |
| SPE | 沙南水电站 |
| PDS | 深溪沟电站 |
| PDP | 瀑布沟电站 |
| HDH | 猴子岩电站 |
| GSY | 杨柳坪电站 |
| GSJ | 吉牛电站 |
| GDT | 铜街子电站 |
| GDG | 龚嘴电站 |
| DGS | 大岗山电站 |