

Charging Optimisation System (COS) SME API Endpoints

The COS API is built around the RESTful architectural style. All calls return **application/json**.

Registration can only be performed by a member of the TSSG Finesce COS Team.

An authentication token is required to access all endpoints except for the tokens endpoints. Url paramter required is **auth_token**. Example usage: auth_token=abc123

Some url parameters may be appended to all calls except for the tokens resource. These are:

limit: limits the quantity of records returned. A value between 200 and 1000 is accepted. Default is 200. Example usage: limit=1000

offset: starting point for the records returned. Default is the last record. Example usage: offset=2000

order_by: allows user to sort the records by a field. Default is **id**. Example usage: order_by=created_at

sort: allows the user to sort the records asending or descending. Values asc and desc are accepted. Default is **desc**. Example usage: sort=asc

Online swagger documentation is available:

<https://finesce.tssg.org/documentation/index.html>

Resource: Tokens

This resource is used to retrieve authentication tokens which are then appended to every other call using the url paramter of auth_token.

Data Model:

Name	Type	Description
auth_token	String	Authentication token
role	String	Users authorisation level
token_expires_at	Datetime	Expiration date and time of the token UTC
refresh_token	String	Token to refresh the authentication token

URL: <https://finesce.tssg.org/api/v2/tokens>

Method: POST

URL Parameters Required: email, password

Description: allows a registered user to gain an authentication token for use with the API

Example Call: <https://finesce.tssg.org/api/v2/tokens?email=joeblogss@example.com&password=password>

Sample Return Data:

```
{
  "token_expires_at": "2014-10-02 21:48:46 UTC",
  "role": "admin",
  "auth_token":
"eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJnY3AiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjgwODAiLCJpYXQiOiJlMTIyNTc3MjUsIm5iZiI6MTQxMjI1NzY2NSwiZXhwIjojNDEyMjI1LCJqdGkiOiJkYjFiZjBkYi01ZTc1LTRhNWEtODkwNC05MDEiNTY5YjdjOGIiLCJodHRwOi8vZ2NwLnRlbGVrb20uZGUvYXhzY2h1bWEvZ2NwaWQiOiIyMDEwMTAwMDAxODE2NDQ3NzYxNzYxMTA5Mzg0IiwiaHR0cDovL2djC50ZWxla29tLmRIL2F4c2NoZW1hL3N0YXR1cyI6IklNPTkZJUK1FRCJ9.-trM0l2AVbNP0rSxmRQWQdcTuxoMCcj-JZq2vLFSyBA",
  "refresh_token": "DUDXmCchKi6lghlCiXafMuUEpmbmvMdiEvb1ns7zJhmdPEKV"
}
```

URL: <https://finesce.tssg.org/api/v2/tokens/refresh>

Method: POST

URL Parameters Required: refresh_token

Description: allows a user to use a refresh token to gain an authentication token for use with the API

Example Call: https://finesce.tssg.org/api/v2/tokens/refresh?refresh_token=abcdef123456789

Sample Return Data:

```
{
  "token_expires_at": "2014-10-02 21:48:46 UTC",
  "role": "admin",
  "auth_token":
"eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJnY3AiLCJhdWQiOiJodHRwOi8vbG9jYWxob3N0OjgwODAiLCJpYXQiOiJlMTIyNTc3MjUsIm5iZil6MTQxMjI1NzY2NSwiZXhwIjoxNDYyMjg2NTI1LCJqdGkiOiJkYjFiZjBkYi01ZTc1LTRhNWVtODkwNC05MDEwMTA5MDAxODE2NDQ3NzYxNzYxMTA5Mzg0IiwiaHR0cDovL2djcC50ZWxla29tLmRIL2F4c2NoZW1hL3N0YXR1cyI6IklkNPTkZJUK1FRCJ9.-trM0l2AVbNP0rSxmRQWQdcTuxoMCCj-JZq2vLFSyBA",
  "refresh_token": "DUDXmCchKi6lghlCiXafMuUEpmbmvMdiEvblns7zJhmdPEKV"
}
```

Resource: Algoweights

This resource is the weighting of the different energy types being used in COS algorithm.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
renewables	Decimal	Percentage of renewables optimised by the algorithm
interconnect	Decimal	Percentage of energy flows between regions which is optimised by the algorithm
specific	Decimal	Percentage of energy by market requirements optimised by the algorithm
timeslot_id	Integer	Foreign key from timeslots
region_id	Integer	Foreign key from regions
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/algoweights>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of algoweights

Example Call: https://finesce.tssg.org/api/v2/algoweights?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 15767,
  "records": [
    {
      "id": 15767,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1412257500,
      "region_id": 3,
      "created_at": "2014-10-02T13:30:00.000Z",
      "updated_at": "2014-10-02T13:30:00.000Z"
    },
    {
      "id": 15766,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1412257500,
      "region_id": 2,

```

```

    "created_at": "2014-10-02T13:30:00.000Z",
    "updated_at": "2014-10-02T13:30:00.000Z"
  },
  {
    "id": 15765,
    "renewables": "100.0",
    "interconnect": "0.0",
    "specific": "0.0",
    "timeslot_id": 1412257500,
    "region_id": 1,
    "created_at": "2014-10-02T13:30:00.000Z",
    "updated_at": "2014-10-02T13:30:00.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/algoweights/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an algoweights record

Example Call: https://finesce.tssg.org/api/v2/algoweights/1?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 15767,
  "records": [
    {
      "id": 1,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1406547900,
      "region_id": 1,
      "created_at": "2014-07-28T11:30:00.000Z",
      "updated_at": "2014-07-28T11:30:00.000Z"
    }
  ]
}

```

Resource: Chargingmodes

This resource is the charging modes of the Electric Vehicle Supply Equipment (EVSE).

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
name	String	Name of the chargingmode
power_kw	Decimal	The energy consumption of the charging mode in kilowatts
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/chargingmodes>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of chargingmodes

Example Call: https://finesce.tssg.org/api/v2/chargingmodes?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 3,
  "records": [
    {
      "id": 3,
      "name": "Single Phase 16A",
      "power_kw": "3.52",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    },
    {
      "id": 2,
      "name": "Single Phase 8 A",
      "power_kw": "1.76",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-29T11:25:06.000Z"
    },
    {
      "id": 1,
      "name": "0",
      "power_kw": "0.0",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/chargingmodes/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a charging modes record

Example Call: https://finesce.tssg.org/api/v2/chargingmodes/1?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 3,
  "records": [
    {
      "id": 1,
      "name": "0",
      "power_kw": "0.0",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/chargingmodes/{:id}/evses>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of evses associated with a charging mode

Example Call: https://finesce.tssg.org/api/v2/chargingmodes/1/evses?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 101001,
  "records": [
    {
      "id": 101001,
      "make": "M2C",
      "model": "M2C",
      "hardware_version": "1.0",

```

```

    "firmware_version": "1.0",
    "region_id": 1,
    "created_at": "2014-07-28T10:55:40.000Z",
    "updated_at": "2014-07-28T10:55:40.000Z"
  },
  {
    "id": 101000,
    "make": "M2C",
    "model": "M2C",
    "hardware_version": "1.0",
    "firmware_version": "1.0",
    "region_id": 1,
    "created_at": "2014-07-28T10:55:40.000Z",
    "updated_at": "2014-07-28T10:55:40.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/chargingmodes/{:id}/evtypes>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of electric vehicle types associated with a charging mode

Example Call: https://finesce.tssg.org/api/v2/chargingmodes/1/evtypes?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 1,
  "records": [
    {
      "id": 1,
      "brand": "Leaf",
      "manufacturer": "Nissan",
      "battery_capacity_kwh": "24.0",
      "range_min_km": 120,
      "range_max_km": 160,
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}

```

Resource: Chargingstates

This resource is the charging states of the Electric Vehicle Supply Equipment (EVSE).

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
req	Boolean	Has a state change being requested
resp	Boolean	The response from servo for the state change
req_state	Boolean	The state which has being requested on/off
is_charging	Boolean	Is the car currently charging
is_connected	Boolean	Is the car currently connected
battery_full	Boolean	Is the battery full
electricvehicle_id	Integer	Foreign key of the electric vehicle
evse_id	Integer	Foreign key of the electric vehicle supply equipment

timeslot_id	Integer	Foreign key of the time slot
chargingmode_id	Integer	Foreign key of the charging mode
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/chargingstates>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of charging states

Example Call: https://finesce.tssg.org/api/v2/chagingstates?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 830671,
  "records": [
    {
      "id": 830672,
      "req": false,
      "resp": false,
      "req_state": false,
      "is_charging": false,
      "is_connected": false,
      "battery_full": false,
      "electricvehicle_id": 101001,
      "timeslot_id": 1412257500,
      "evse_id": 101001,
      "chargingmode_id": 1,
      "created_at": "2014-10-02T13:30:00.000Z",
      "updated_at": "2014-10-02T13:30:00.000Z"
    },
    {
      "id": 830671,
      "req": false,
      "resp": false,
      "req_state": false,
      "is_charging": false,
      "is_connected": false,
      "battery_full": false,
      "electricvehicle_id": 100030,
      "timeslot_id": 1412257500,
      "evse_id": 100030,
      "chargingmode_id": 1,
      "created_at": "2014-10-02T13:30:00.000Z",
      "updated_at": "2014-10-02T13:30:00.000Z"
    },
    {
      "id": 830670,
      "req": false,
      "resp": false,
      "req_state": false,
      "is_charging": false,
      "is_connected": false,
      "battery_full": false,
      "electricvehicle_id": 100029,
      "timeslot_id": 1412257500,
      "evse_id": 100029,
      "chargingmode_id": 1,
      "created_at": "2014-10-02T13:30:00.000Z",
      "updated_at": "2014-10-02T13:30:00.000Z"
    }
  ]
}
```

```
]
}
```

URL: <https://finesce.tssg.org/api/v2/chargingstates/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a charging states record

Example Call: https://finesce.tssg.org/api/v2/chargingstates/100?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 830671,
  "records": [
    {
      "id": 100,
      "req": false,
      "resp": false,
      "req_state": false,
      "is_charging": false,
      "is_connected": true,
      "battery_full": false,
      "electricvehicle_id": 99,
      "timeslot_id": 1406547900,
      "evse_id": 99,
      "chargingmode_id": 1,
      "created_at": "2014-07-28T11:30:01.000Z",
      "updated_at": "2014-07-28T11:59:04.000Z"
    }
  ]
}
```

Resource: Electricvehicles

This resource is the Electric Vehicles in the system.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
evtype_id	Integer	Foreign key of the Electric Vehicle type
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/electricvehicles>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of electric vehicles

Example Call: https://finesce.tssg.org/api/v2/electricvehicles?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 101001,
  "records": [
    {
      "id": 101001,
      "evtype_id": 1,
      "created_at": "2014-07-28T10:53:56.000Z",
      "updated_at": "2014-07-28T10:53:56.000Z"
    }
  ],
}
```

```
{
  "id": 101000,
  "evtype_id": 1,
  "created_at": "2014-07-28T10:53:56.000Z",
  "updated_at": "2014-07-28T10:53:56.000Z"
}
]
```

URL: <https://finesce.tssg.org/api/v2/electricvehicles/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an electric vehicles record

Example Call: https://finesce.tssg.org/api/v2/electricvehicles/1?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 101001,
  "records": [
    {
      "id": 1,
      "evtype_id": 1,
      "created_at": "2014-07-28T10:53:56.000Z",
      "updated_at": "2014-07-28T10:53:56.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/electricvehicles/{:id}/evevseconnections>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of ev evse connections associated with an electric vehicle

Example Call: https://finesce.tssg.org/api/v2/electricvehicles/1/evevseconnections?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 9573,
  "records": [
    {
      "id": 399,
      "start": "2014-09-18T05:13:20.000Z",
      "energy_kwh_current_min": "0.49814534",
      "energy_kwh_previous_min": "0.62514534",
      "duration_s": 3600,
      "connection_total_kwh": "1.97589887",
      "running_total_kwh": "9334.3059",
      "chargingmode_id": 1,
      "evevseconnectionstate_id": 5,
      "evse_id": 1,
      "electricvehicle_id": 1,
      "created_at": "2014-09-18T05:13:20.000Z",
      "updated_at": "2014-09-18T05:13:20.000Z"
    },
    {
      "id": 397,
      "start": "2014-09-17T17:13:20.000Z",
      "energy_kwh_current_min": "0.7101707",
      "energy_kwh_previous_min": "0.8371707",
      "duration_s": 3600,
      "connection_total_kwh": "3.41713565",
      "running_total_kwh": "9335.7471",
      "chargingmode_id": 1,

```



```

    "evvseconnectionstate_id": 4,
    "evse_id": 1,
    "electricvehicle_id": 1,
    "created_at": "2014-09-17T17:13:20.000Z",
    "updated_at": "2014-09-17T17:13:20.000Z"
  }
]
}

```

Resource: Evses

This resource is the Electric Vehicle Supply Equipment (EVSE's) in the system.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
make	String	Manufacturer of the EVSE
model	String	Model of the EVSE
hardware_version	String	Hardware version of the EVSE
firmware_version	String	Firmware version of the EVSE
region_id	Integer	Foreign key of the Region
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/evses>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of EVSE's

Example Call: https://finesce.tssg.org/api/v2/evses?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 101001,
  "records": [
    {
      "id": 101001,
      "make": "M2C",
      "model": "M2C",
      "hardware_version": "1.0",
      "firmware_version": "1.0",
      "region_id": 1,
      "created_at": "2014-07-28T10:55:40.000Z",
      "updated_at": "2014-07-28T10:55:40.000Z"
    },
    {
      "id": 101000,
      "make": "M2C",
      "model": "M2C",
      "hardware_version": "1.0",
      "firmware_version": "1.0",
      "region_id": 1,

```

```

        "created_at": "2014-07-28T10:55:40.000Z",
        "updated_at": "2014-07-28T10:55:40.000Z"
    }
]
}

```

URL: <https://finesce.tssg.org/api/v2/evses/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an electric vehicle supply equipment record

Example Call: https://finesce.tssg.org/api/v2/evses/1?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 101001,
  "records": [
    {
      "id": 1,
      "make": "M2C",
      "model": "M2C",
      "hardware_version": "1.0",
      "firmware_version": "1.0",
      "region_id": 1,
      "created_at": "2014-07-28T10:55:40.000Z",
      "updated_at": "2014-07-28T10:55:40.000Z"
    }
  ]
}

```

URL: <https://finesce.tssg.org/api/v2/evses/{:id}/evevseconnections>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve the ev evse connections associated with an evse

Example Call: https://finesce.tssg.org/api/v2/evses/1/evevseconnections?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 101172,
  "records": [
    {
      "id": 255267,
      "start": "2014-10-02T16:04:26.000Z",
      "energy_kwh_current_min": "0.0",
      "energy_kwh_previous_min": "0.0",
      "duration_s": 0,
      "connection_total_kwh": "0.0",
      "running_total_kwh": "0.0",
      "chargingmode_id": 3,
      "evevseconnectionstate_id": 2,
      "evse_id": 1,
      "electricvehicle_id": 1,
      "created_at": "2014-10-02T16:04:26.000Z",
      "updated_at": "2014-10-02T16:04:26.000Z"
    },
    {
      "id": 154266,
      "start": "2014-10-02T16:04:56.000Z",
      "energy_kwh_current_min": "0.0",
      "energy_kwh_previous_min": "0.0",
      "duration_s": 0,
      "connection_total_kwh": "0.0",
      "running_total_kwh": "0.0",

```

```

    "chargingmode_id": 1,
    "evseconnectionstate_id": 1,
    "evse_id": 1,
    "electricvehicle_id": 1,
    "created_at": "2014-10-02T16:04:56.000Z",
    "updated_at": "2014-10-02T16:04:56.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/evses/{:id}/chargingmodes>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve the charging modes associated with an evse

Example Call: https://finesce.tssg.org/api/v2/evseconnections/1/chargingmode?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 3,
  "records": [
    {
      "id": 3,
      "name": "Single Phase 16A",
      "power_kw": "3.52",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    },
    {
      "id": 2,
      "name": "Single Phase 8 A",
      "power_kw": "1.76",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-29T11:25:06.000Z"
    },
    {
      "id": 1,
      "name": "0",
      "power_kw": "0.0",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}

```

Resource: Evseconnections

This resource is the connections between an Electric Vehicle (EV) and the Electric Vehicle Supply Equipment (EVSE).

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
start	Datetime	Datetime UTC of when the connection state changed
energy_kwh_current_min	Decimal	Power being consumed by the connection in this minute
energy_kwh_previous_min	Decimal	Power that was consumed by the connection in the previous minute
duration_s	Integer	Duration of the connection in seconds
connection_total_kwh	Decimal	Total power consumption of the connection

running_total_kwh	Decimal	Total power consumption of all connections by this EVSE
chargingmode_id	Integer	Foreign key of the chargingmode
evevseconnectionstate_id	Integer	Foreign key of the evevseconnectionstate
evse_id	Integer	Foreign key of the EVSE
electricvehicle_id	Integer	Foreign key of the Electric Vehicle
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/evevseconnections>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of ev evse connections

Example Call: https://finesce.tssg.org/api/v2/evevseconnections?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 9573,
  "records": [
    {
      "id": 53264,
      "start": "2014-10-02T13:11:50.000Z",
      "energy_kwh_current_min": "5.73",
      "energy_kwh_previous_min": "5.72",
      "duration_s": 5220,
      "connection_total_kwh": "5.73",
      "running_total_kwh": "2552.83",
      "chargingmode_id": 3,
      "evevseconnectionstate_id": 3,
      "evse_id": 100021,
      "electricvehicle_id": 100021,
      "created_at": "2014-10-02T13:11:50.000Z",
      "updated_at": "2014-10-02T13:38:50.000Z"
    },
    {
      "id": 53263,
      "start": "2014-10-02T11:39:50.000Z",
      "energy_kwh_current_min": "3.92",
      "energy_kwh_previous_min": "3.92",
      "duration_s": 8820,
      "connection_total_kwh": "3.92",
      "running_total_kwh": "2547.1",
      "chargingmode_id": 3,
      "evevseconnectionstate_id": 3,
      "evse_id": 100021,
      "electricvehicle_id": 100021,
      "created_at": "2014-10-02T11:39:50.000Z",
      "updated_at": "2014-10-02T13:06:50.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/evevseconnections/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an ev evse connections record

Example Call: https://finesce.tssg.org/api/v2/evevseconnections/1?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 9573,
  "records": [
    {
      "id": 1,
      "start": "2014-07-30T10:18:20.000Z",
      "energy_kwh_current_min": "0.84694209",
      "energy_kwh_previous_min": "0.97394209",
      "duration_s": 3600,
      "connection_total_kwh": "1.03866828",
      "running_total_kwh": "9333.3687",
      "chargingmode_id": 1,
      "evseconnectionstate_id": 3,
      "evse_id": 1,
      "electricvehicle_id": 1,
      "created_at": "2014-07-30T10:18:20.000Z",
      "updated_at": "2014-07-30T10:18:20.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/evseconnections/{:id}/evseconnectionstate>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an ev evse connection state associated with an ev evse connection

Example Call: https://finesce.tssg.org/api/v2/evseconnections/255436/evseconnectionstate?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 6,
  "records": [
    {
      "id": 2,
      "name": "is_connected",
      "code": 2,
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/evseconnections/{:id}/chargingmode>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a charging mode associated with an ev evse connection

Example Call: https://finesce.tssg.org/api/v2/evseconnections/1/chargingmode?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 3,
  "records": [
    {
      "id": 1,
      "name": "0",
      "power_kw": "0.0",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

Resource: Evevseconnectionstates

This resource is the Electric Vehicle (EV) Electric Vehicle Supply Equipment (EVSE) connection states.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
name	String	Name of the connection state
code	String	Code of the conneciton state
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/evevseconnectionstates>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of ev evse connection states

Example Call: https://finesce.tssg.org/api/v2/evevseconnectionstates?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 6,
  "records": [
    {
      "id": 6,
      "name": "grid_is_charging",
      "code": 6,
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    },
    {
      "id": 5,
      "name": "grid_is_connected",
      "code": 5,
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/evevseconnections/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an ev evse connection state record

Example Call: https://finesce.tssg.org/api/v2/evevseconnectionstates/1?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 6,
  "records": [
    {
      "id": 1,
      "name": "not_connected",
      "code": 1,
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

}

Resource: Evtypes

This resource is the Electric Vehicle types in the system.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
manufacturer	String	Manufacturer of the Electric Vehicle
brand	String	Model of the Electric Vehicle
battery_capacity_kwh	Decimal	Capacity of the Electric Vehicle battery in KWH
range_min_km	Integer	Minimum range of the Electric Vehicle in Kilometers
range_max_km	Integer	Maximum range of the Electric Vehicle in Kilometers
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/evtypes>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of electric vehicle types

Example Call: https://finesce.tssg.org/api/v2/evtypes?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 1,
  "records": [
    {
      "id": 1,
      "brand": "Leaf",
      "manufacturer": "Nissan",
      "battery_capacity_kwh": "24.0",
      "range_min_km": 120,
      "range_max_km": 160,
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/evtypes/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an electric vehicle type record

Example Call: https://finesce.tssg.org/api/v2/evtypes/1?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 1,
  "records": [
    {
      "id": 1,
      "brand": "Leaf",
      "manufacturer": "Nissan",
      "battery_capacity_kwh": "24.0",
      "range_min_km": 120,
      "range_max_km": 160,

```

```
    "created_at": "2014-07-28T10:50:37.000Z",
    "updated_at": "2014-07-28T10:50:37.000Z"
  }
]
}
```

URL: <https://finesce.tssg.org/api/v2/evtypes/{:id}/electricvehicles>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of electric vehicles associated with an electric vehicle type

Example Call: https://finesce.tssg.org/api/v2/evtypes/1/electricvehicles?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 101001,
  "records": [
    {
      "id": 101001,
      "evtype_id": 1,
      "created_at": "2014-07-28T10:53:56.000Z",
      "updated_at": "2014-07-28T10:53:56.000Z"
    },
    {
      "id": 101000,
      "evtype_id": 1,
      "created_at": "2014-07-28T10:53:56.000Z",
      "updated_at": "2014-07-28T10:53:56.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/evtypes/{:id}/chargingmodes>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve the charging modes associated with an electric vehicle

Example Call: https://finesce.tssg.org/api/v2/evevseconnections/1/chargingmode?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 3,
  "records": [
    {
      "id": 3,
      "name": "Single Phase 16A",
      "power_kw": "3.52",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    },
    {
      "id": 2,
      "name": "Single Phase 8 A",
      "power_kw": "1.76",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-29T11:25:06.000Z"
    },
    {
      "id": 1,
      "name": "0",
      "power_kw": "0.0",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}
```



```
]
}
```

Resource: Regionalaggevseenergies

This resource is the regional aggregated energy being used by all evses in a region.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
max_possible_kwh	Decimal	Maximum KWH that could be used
current_kwh_in_use	Decimal	Current KWH being used
region_id	Integer	Foreign key of the Region
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/regionalaggevseenergies>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of aggregated regional evse energy records

Example Call: https://finesce.tssg.org/api/v2/regionalaggevseenergies?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 96802,
  "records": [
    {
      "id": 96802,
      "max_possible_kwh": "6.16",
      "current_kwh_in_use": "0.0",
      "region_id": 1,
      "created_at": "2014-10-06T11:21:00.000Z",
      "updated_at": "2014-10-06T11:21:00.000Z"
    },
    {
      "id": 96801,
      "max_possible_kwh": "6.16",
      "current_kwh_in_use": "0.0",
      "region_id": 1,
      "created_at": "2014-10-06T11:20:00.000Z",
      "updated_at": "2014-10-06T11:20:00.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/regionalaggevseenergies/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve an aggregate regional evse energy record

Example Call: https://finesce.tssg.org/api/v2/regionalaggevseenergies/1?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 96803,
  "records": [
    {
      "id": 1,
      "max_possible_kwh": "6.133",
```

```

    "current_kwh_in_use": "426.222",
    "region_id": 1,
    "created_at": "2014-07-28T11:29:01.000Z",
    "updated_at": "2014-07-28T11:29:01.000Z"
  }
]
}

```

Resource: Regionalenergies

This resource is the regional energy being used in a region.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
generated_energy_kwh	Decimal	
aggregated_energy_kwh	Decimal	
requested_energy_kwh	Decimal	
actual_energy_kwh	Decimal	
forecasted_energy_kwh	Decimal	
region_id	Integer	Foreign key of the Region
timeslot_id	Integer	Foreign key of the Time Slot
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/regionalenergies>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of regional energy records

Example Call: https://finesce.tssg.org/api/v2/regionalenergies?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 2364,
  "records": [
    {
      "id": 2364,
      "generated_energy_kwh": "-2947.0",
      "aggregated_energy_kwh": "-3947.0",
      "requested_energy_kwh": "64.0",
      "actual_energy_kwh": "84.0",
      "forecasted_energy_kwh": "-3379.0",
      "region_id": 1,
      "timeslot_id": 1410965100,
      "created_at": "2014-09-17T14:36:35.000Z",
      "updated_at": "2014-09-17T14:36:35.000Z"
    },
    {
      "id": 2363,
      "generated_energy_kwh": "-2947.0",
      "aggregated_energy_kwh": "-3947.0",
      "requested_energy_kwh": "64.0",
      "actual_energy_kwh": "84.0",
      "forecasted_energy_kwh": "-3379.0",

```

```

    "region_id": 1,
    "timeslot_id": 1410961500,
    "created_at": "2014-09-17T14:36:16.000Z",
    "updated_at": "2014-09-17T14:36:16.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/regionalenergies/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a regional energy record

Example Call: https://finesce.tssg.org/api/v2/regionalenergies/1?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 2364,
  "records": [
    {
      "id": 1,
      "generated_energy_kwh": "-3089000.0",
      "aggregated_energy_kwh": "-3089000.0",
      "requested_energy_kwh": "0.0",
      "actual_energy_kwh": "0.0",
      "forecasted_energy_kwh": "0.0",
      "region_id": 1,
      "timeslot_id": 1408005900,
      "created_at": "2014-08-14T09:27:29.000Z",
      "updated_at": "2014-08-14T09:27:29.000Z"
    }
  ]
}

```

URL: <https://finesce.tssg.org/api/v2/regionalenergies/{:id}/region>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a region associated with a regional energy record

Example Call: https://finesce.tssg.org/api/v2/regionalenergies/1/region?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 3,
  "records": [
    {
      "id": 1,
      "name": "Ireland",
      "code": "1",
      "country": "Ireland",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}

```

URL: <https://finesce.tssg.org/api/v2/regionalenergies/{:id}/timeslot>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a regional energy record

Example Call: https://finesce.tssg.org/api/v2/regionalenergies/1/timeslot?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 6710,

```

```

"records": [
  {
    "id": 1408005900,
    "start": "2014-08-14T08:45:00.000Z",
    "duration_min": 15,
    "created_at": "2014-08-14T08:30:00.000Z",
    "updated_at": "2014-08-14T08:30:00.000Z"
  }
]
}

```

Resource: Regions

This resource is the regions in the system.

Data Model:

Name	Type	Description
id	Integer	Auto-generated primary key
name	String	Name of the Region
code	String	Code of the Region
country	String	Country of the Region
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/regions>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of region records

Example Call: https://finesce.tssg.org/api/v2/regions?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 3,
  "records": [
    {
      "id": 3,
      "name": "Wales",
      "code": "2",
      "country": "Wales",
      "created_at": "2014-08-14T10:43:30.000Z",
      "updated_at": "2014-08-14T10:43:30.000Z"
    },
    {
      "id": 2,
      "name": "Soni",
      "code": "1",
      "country": "Northern_ireland",
      "created_at": "2014-08-14T10:43:02.000Z",
      "updated_at": "2014-08-14T10:43:02.000Z"
    }
  ]
}

```

```

    },
    {
      "id": 1,
      "name": "Ireland",
      "code": "1",
      "country": "Ireland",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}

```

URL: <https://finesce.tssg.org/api/v2/regions/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a region record

Example Call: https://finesce.tssg.org/api/v2/regions/1?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 3,
  "records": [
    {
      "id": 1,
      "name": "Ireland",
      "code": "1",
      "country": "Ireland",
      "created_at": "2014-07-28T10:50:37.000Z",
      "updated_at": "2014-07-28T10:50:37.000Z"
    }
  ]
}

```

URL: <https://finesce.tssg.org/api/v2/regions/{:id}/regionalaggevseenergies>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of aggregate regional evse energy records associated with a region

Example Call: https://finesce.tssg.org/api/v2/regions/1/regionalaggevseenergies?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 96845,
  "records": [
    {
      "id": 96845,
      "max_possible_kwh": "6.16",
      "current_kwh_in_use": "0.0",
      "region_id": 1,
      "created_at": "2014-10-06T12:06:00.000Z",
      "updated_at": "2014-10-06T12:06:00.000Z"
    },
    {
      "id": 96844,
      "max_possible_kwh": "6.16",
      "current_kwh_in_use": "0.0",
      "region_id": 1,
      "created_at": "2014-10-06T12:05:00.000Z",
      "updated_at": "2014-10-06T12:05:00.000Z"
    }
  ]
}

```

URL: <https://finesce.tssg.org/api/v2/regions/{:id}/regionalenergies>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of regional energy records associated with a region

Example Call: https://finesce.tssg.org/api/v2/regions/1/regionalenergies?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 2364,
  "records": [
    {
      "id": 2364,
      "generated_energy_kwh": "-2947.0",
      "aggregated_energy_kwh": "-3947.0",
      "requested_energy_kwh": "64.0",
      "actual_energy_kwh": "84.0",
      "forecasted_energy_kwh": "-3379.0",
      "region_id": 1,
      "timeslot_id": 1410965100,
      "created_at": "2014-09-17T14:36:35.000Z",
      "updated_at": "2014-09-17T14:36:35.000Z"
    },
    {
      "id": 2363,
      "generated_energy_kwh": "-2947.0",
      "aggregated_energy_kwh": "-3947.0",
      "requested_energy_kwh": "64.0",
      "actual_energy_kwh": "84.0",
      "forecasted_energy_kwh": "-3379.0",
      "region_id": 1,
      "timeslot_id": 1410961500,
      "created_at": "2014-09-17T14:36:16.000Z",
      "updated_at": "2014-09-17T14:36:16.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/regions/{:id}/evses>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of evse records associated with a region

Example Call: https://finesce.tssg.org/api/v2/regions/1/evses?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 101001,
  "records": [
    {
      "id": 101001,
      "make": "M2C",
      "model": "M2C",
      "hardware_version": "1.0",
      "firmware_version": "1.0",
      "region_id": 1,
      "created_at": "2014-07-28T10:55:40.000Z",
      "updated_at": "2014-07-28T10:55:40.000Z"
    },
    {
      "id": 101000,
      "make": "M2C",
      "model": "M2C",
      "hardware_version": "1.0",

```

```

    "firmware_version": "1.0",
    "region_id": 1,
    "created_at": "2014-07-28T10:55:40.000Z",
    "updated_at": "2014-07-28T10:55:40.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/regions/{:id}/algoweights>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of algorithm weight records associated with a region

Example Call: https://finesce.tssg.org/api/v2/regions/1/algoweights?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 3,
  "records": [
    {
      "id": 16872,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1412597700,
      "region_id": 1,
      "created_at": "2014-10-06T12:00:00.000Z",
      "updated_at": "2014-10-06T12:00:00.000Z"
    },
    {
      "id": 16869,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1412596800,
      "region_id": 1,
      "created_at": "2014-10-06T11:45:00.000Z",
      "updated_at": "2014-10-06T11:45:00.000Z"
    }
  ]
}

```

Resource: Timeslots

This resource is the Time Slots in the system.

Data Model:

Name	Type	Description
id	Integer	Primary key which is generated using Unix Time
Start	Datetime	Start time of the Time Slot
duration_min	Integer	Code of the Region
created_at	Datetime	Datetime (iso8601) UTC when the record was created
updated_at	Datetime	Datetime (iso8601) UTC when the record was updated

URL: <https://finesce.tssg.org/api/v2/timeslots>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of time slot records

Example Call: https://finesce.tssg.org/api/v2/timeslots?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 6711,
  "records": [
    {
      "id": 1412597700,
      "start": "2014-10-06T12:15:00.000Z",
      "duration_min": 15,
      "created_at": "2014-10-06T12:00:00.000Z",
      "updated_at": "2014-10-06T12:00:00.000Z"
    },
    {
      "id": 1412596800,
      "start": "2014-10-06T12:00:00.000Z",
      "duration_min": 15,
      "created_at": "2014-10-06T11:45:00.000Z",
      "updated_at": "2014-10-06T11:45:00.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/timeslots/{:id}>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a time slot record

Example Call: https://finesce.tssg.org/api/v2/timeslots/1412597700?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 6711,
  "records": [
    {
      "id": 1412597700,
      "start": "2014-10-06T12:15:00.000Z",
      "duration_min": 15,
      "created_at": "2014-10-06T12:00:00.000Z",
      "updated_at": "2014-10-06T12:00:00.000Z"
    }
  ]
}
```

URL: <https://finesce.tssg.org/api/v2/timeslots/{:id}/chargingstates>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of charging state records associated with a time slot

Example Call: https://finesce.tssg.org/api/v2/timeslots/1412597700/chargingstates?auth_token=abc123

Sample Return Data:

```
{
  "totalrecords": 879141,
  "records": [
    {
      "id": 879011,
      "req": false,
      "resp": false,
      "req_state": false,
      "is_charging": false,
      "is_connected": false,
      "battery_full": false,
      "electricvehicle_id": 101001,

```



```

    "timeslot_id": 1412597700,
    "evse_id": 101001,
    "chargingmode_id": 1,
    "created_at": "2014-10-06T12:00:00.000Z",
    "updated_at": "2014-10-06T12:22:00.000Z"
  },
  {
    "id": 879010,
    "req": false,
    "resp": false,
    "req_state": false,
    "is_charging": false,
    "is_connected": false,
    "battery_full": false,
    "electricvehicle_id": 100030,
    "timeslot_id": 1412597700,
    "evse_id": 100030,
    "chargingmode_id": 1,
    "created_at": "2014-10-06T12:00:00.000Z",
    "updated_at": "2014-10-06T12:22:00.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/timeslots/{:id}/regionalenergies>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a regional energy record associated with a time slot

Example Call: https://finesce.tssg.org/api/v2/timeslots/1410960600/regionalenergies?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 2364,
  "records": [
    {
      "id": 2361,
      "generated_energy_kwh": "-3547.0",
      "aggregated_energy_kwh": "-3547.0",
      "requested_energy_kwh": "76.0",
      "actual_energy_kwh": "76.0",
      "forecasted_energy_kwh": "-3679.0",
      "region_id": 1,
      "timeslot_id": 1410960600,
      "created_at": "2014-09-17T14:12:39.000Z",
      "updated_at": "2014-09-17T14:12:39.000Z"
    }
  ]
}
}

```

URL: <https://finesce.tssg.org/api/v2/times/{:id}/evses>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of evse records associated with a region

Example Call: https://finesce.tssg.org/api/v2/regions/1/evses?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 101001,
  "records": [
    {

```

```

    "id": 101001,
    "make": "M2C",
    "model": "M2C",
    "hardware_version": "1.0",
    "firmware_version": "1.0",
    "region_id": 1,
    "created_at": "2014-07-28T10:55:40.000Z",
    "updated_at": "2014-07-28T10:55:40.000Z"
  },
  {
    "id": 101000,
    "make": "M2C",
    "model": "M2C",
    "hardware_version": "1.0",
    "firmware_version": "1.0",
    "region_id": 1,
    "created_at": "2014-07-28T10:55:40.000Z",
    "updated_at": "2014-07-28T10:55:40.000Z"
  }
]
}

```

URL: <https://finesce.tssg.org/api/v2/timeslots/{:id}/algoweights>

Method: GET

URL Parameters Required: auth_token

Description: allows a user to retrieve a collection of algorithm weight records associated with a time slot

Example Call: https://finesce.tssg.org/api/v2/regions/1/timeslots?auth_token=abc123

Sample Return Data:

```

{
  "totalrecords": 16886,
  "records": [
    {
      "id": 11444,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1410960600,
      "region_id": 3,
      "created_at": "2014-09-17T13:15:00.000Z",
      "updated_at": "2014-09-17T13:15:00.000Z"
    },
    {
      "id": 11443,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1410960600,
      "region_id": 2,
      "created_at": "2014-09-17T13:15:00.000Z",
      "updated_at": "2014-09-17T13:15:00.000Z"
    },
    {
      "id": 11442,
      "renewables": "100.0",
      "interconnect": "0.0",
      "specific": "0.0",
      "timeslot_id": 1410960600,
      "region_id": 1,
      "created_at": "2014-09-17T13:15:00.000Z",
      "updated_at": "2014-09-17T13:15:00.000Z"
    }
  ]
}

```

