Interacting with forms and files

Within Easy PV and Heatpunk, users complete forms and generate PDF reports. In your application you may want to view the completed files and forms associated with a project, and fetch completed form data and PDF documents.

To list forms for a project:

To get a list of completed forms for a project, use the `/api/v1/projects/forms/list` endpoint. Provide `projectId` and `userEmail` as GET parameters. `userEmail` is necessary as the API key is shared amongst all members of your team, but projects aren't necessarily shared with all members of the team. When we receive the request we will check if the given email has the right to access the project.

```
curl -X 'GET' \
    'https://sandbox.easy-pv.co.uk/api/v1/projects/forms/list?projectId=872034&userEmail=sales%40midsummerenergy.co.uk' \
    -H 'accept: application/json' \
    -H 'X-API-KEY: ---KEY---'
```

This should return an object with completed forms and surveys.

```
{
  "forms": [
    {
      "id": "customerProposal"
    },
    {
      "id": "enaConnect"
    },
    {
      "id": "f08_v2"
    },
    {
      "id": "g99_50kw"
    },
    {
      "id": "scaffoldingRequest"
    },
    {
            "id": "g98"
        },
        {
            "id": "g99_A1_1"
        },
        {
            "id": "g99_A1_2"
        },
        {
            "id": "letterOfConsent"
        },
        {
            "id": "install_record"
        },
        {
            "id": "g99_A3_1"
        },
        {
            "id": "g99_A3_2"
        }
    ],
    "surveys": [
        {
            "id": "survey"
        }
    ]
}
```

To retrieve form fields:

Use `/api/v1/projects/forms/form.`

You will need to provide the ID of the project, ID of the form (from the response above), and the userEmail. Here's an example:

```
curl -X 'GET' \
    'https://sandbox.easy-pv.co.uk/api/v1/projects/forms/form?projectId=872034&form=letterOfConsent&userEmail=andy%40midsummerenergy.co.uk&formCategory=forms' \
    -H 'accept: application/json' \
    -H 'X-API-KEY:  ---KEY---'
```

To list files saved to a project:

Use `/api/v1/projects/files/list`. Set the type property to projects, and provide the ID of the project and the userEmail as before. Files saved within Easy-PV are listed within the `fileRegistry.uploads` array of the response.

```
curl -X 'GET' \
    'https://sandbox.easy-
pv.co.uk/api/v1/files/list?type=projects&id=872034&userEmail=andy%40midsummerenergy.co.uk' \
    -H 'accept: application/json' \
    -H 'X-API-KEY: ---KEY---'
```

To download a file:

Use `/api/v1/files/file`.

Provide the same details as the previous request, plus the file category (uploads) and the file name.

```
curl -X 'GET' \
    'https://sandbox.easy-
pv.co.uk/api/v1/files/file?type=projects&id=872034&userEmail=andy%2Bjumptech%40midsummerenergy.co.uk
&fileCategory=uploads&file=test%20project%20%20letter%20of%20consent~Letter%20of%20Consent.pdf&res
ponseFormat=b64' \
    -H 'accept: application/json' \
    -H 'X-API-KEY: ---KEY---'
```

Setting responseFormat to either `b64` or `meta` will include a meta object in the response. This includes a datetime string for when the file was created and last updated. `b64` will also return the document as a base64-encoded string in the response. `raw` will just return the file as stored.

> We have updated the attribute used by the API when specifying the email address of the user that owns the record so it is consistent across all our endpoints. We now always refer to this attribute as `userEmail`. If you previously used `ownerEmail` this will still work as it has been set up as an alias of `userEmail`.

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