* **host\_name**: petersendean
* **Test API endpoint**: <http://petersendean.demo.solarmosaic.com>
* **Test client\_secret: you should receive this from support today**
* **Production API endpoint**: <http://petersendean.financing.joinmosaic.com>
* **Production client\_secret**: eaaf5522-a873-4179-b113-8d890b184da0

Your test client secret is:  
91f5f71e-3662-458c-b8a0-4b2705dfdbcc

1. Authentication

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/access-token |

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| POST | client\_id | petersendean |
| POST | client\_secret | 91f5f71e-3662-458c-b8a0-4b2705dfdbcc |
| POST | grant\_type | slaitnederc\_tneilc |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 | {  "access\_token": "0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e"  } |

2. Create Opportunity

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/opportunities |

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |
| HEAD | Content-Type | application/json |

Body

|  |  |
| --- | --- |
| Type | Value |
| Json | {  "firstName":"Justin",  "lastName":"Brach",  "email":"testuser@brachenergy.com",  "salesRepEmail":"jbrach@petersendean.com"  } |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 | {  "id": 2638,  "firstName": "Justin",  "lastName": "Brach",  "phone": null,  "email": "testuser@brachenergy.com",  "address": null,  "status": "New",  "waitingOn": "INSTALLER",  "salesRepEmail": "jbrach@petersendean.com",  "creditDecision": null,  "solarSystem": null,  "loanAgreement": null  } |

3. Get Opportunity

Request

|  |  |
| --- | --- |
| Method | Url |
| GET | api/v1/ opportunities/2638 |

**2638-**The id that identifies the opportunity related to the uploaded file.

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 | {  "id": 2638,  "firstName": "Justin",  "lastName": "Brach",  "phone": null,  "email": "testuser@brachenergy.com",  "address": null,  "status": "New",  "waitingOn": "INSTALLER",  "salesRepEmail": "jbrach@petersendean.com",  "creditDecision": null,  "solarSystem": null,  "loanAgreement": null  } |

4. Update Opportunity

Request

|  |  |
| --- | --- |
| Method | Url |
| PUT | api/v1/opportunities/2638 |

**2637-**The id that identifies the opportunity related to the POST data.

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |
| HEAD | Content-Type | application/json |
| POST | id | 2638 |

Body

|  |  |
| --- | --- |
| Type | Value |
| Json | {  "id": 2638,  "firstName": "Justin",  "lastName": "Brach",  "phone": null,  "email": "testuserupdate@brachenergy.com",  "address": null,  "status": "New",  "waitingOn": "INSTALLER",  "salesRepEmail": "jbrach@petersendean.com",  "creditDecision": null,  "solarSystem": null,  "loanAgreement": null  } |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 | {  "id": 2638,  "firstName": "Justin",  "lastName": "Brach",  "phone": null,  "email": "testuserupdate@brachenergy.com",  "address": null,  "status": "New",  "waitingOn": "INSTALLER",  "salesRepEmail": "jbrach@petersendean.com",  "creditDecision": null,  "solarSystem": null,  "loanAgreement": null  } |

5. Delete Opportunity

Request

|  |  |
| --- | --- |
| Method | Url |
| DELETE | api/v1/ opportunities/2637 |

**2637-**A numeric id identifying the opportunity.

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

6. Upload Document

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/ opportunities/{id}/documents/{document\_type} |

**Id**The id that identifies the opportunity related to the uploaded file.

**Document\_type**The type of document being uploaded. Must be one of INSTALLER\_AGREEMENT,FINAL\_PERMIT, or  
PERMISSION\_TO\_OPERATE

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |
| HEAD | Content-Type | multipart/form-data; boundary=<boundarystring> |

boundary\_string

The boundary string according to HTTP spec

( https://www.ietf.org/rfc/rfc2388.txt ).

Body

|  |  |
| --- | --- |
| Type | Value |
| Body | Body should be a multipart/formdata  format. Use the document filename as the  ContentDisposition  name (see https://www.ietf.org/rfc/rfc2388.txt for more  details). |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

7. Send Credit Application

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/ opportunities/2638/send-credit-application |

**2638**A numeric id identifying the opportunity

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

8. Send Load Agreement

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/ opportunities/2638/send-loan-agreement |

**2638**A numeric id identifying the opportunity.

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

9. Resubmit for Underwriting Review

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/opportunities/2637/submit-for-review |

**2637**A numeric id identifying the opportunity.

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

10. Send Installation Certificate

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/opportunities/2637/send-installation |

**2637**A numeric id identifying the opportunity

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

11. Submit for Final Review

Request

|  |  |
| --- | --- |
| Method | Url |
| POST | api/v1/opportunities/2638/submit-for-final |

**2638**A numeric id identifying the opportunity.

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 |  |

12. Request Estimated Monthly Payment

Request

|  |  |
| --- | --- |
| Method | Url |
| GET | api/v1/loan-calculator |

Params

|  |  |  |
| --- | --- | --- |
| Type | Name | Value |
| HEAD | Authorization | Bearer 0d8600148bc721b63ecf89c5d5c8d8e798b05320d901cf4c5ea899cbe8594558f5bf83b8ce41c47c3e146fb18eb58f8de028cc7e0946160931cfc04243bf785e |
| GET | loan\_amount | 500 |

Response

|  |  |
| --- | --- |
| Status | Response |
| 200 | {  "loanTermsDate": "2015-09-01",  "loanAmount": 500,  "loanProducts": [  {  "productId": 44,  "productName": "NSR12399p",  "productDisplayName": "NSR 12 year - 3.99%",  "loanMonthTerm": 144,  "estLoanTerms": [  {  "choiceRate": 3.99,  "choiceMonthlyPayment": 3.17,  "standardRate": 3.99,  "standardMonthlyPayment": 4.63,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 3.99,  "choiceMonthlyPayment": 3.17,  "standardRate": 3.99,  "standardMonthlyPayment": 4.63,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 3.99,  "choiceMonthlyPayment": 3.17,  "standardRate": 3.99,  "standardMonthlyPayment": 4.63,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  }  ]  },  {  "productId": 47,  "productName": "NSR20599p",  "productDisplayName": "NSR 20 year - 5.99%",  "loanMonthTerm": 240,  "estLoanTerms": [  {  "choiceRate": 5.99,  "choiceMonthlyPayment": 2.62,  "standardRate": 5.99,  "standardMonthlyPayment": 3.74,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 5.99,  "choiceMonthlyPayment": 2.62,  "standardRate": 5.99,  "standardMonthlyPayment": 3.74,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  }  ]  },  {  "productId": 51,  "productName": "RSR.20.599.p",  "productDisplayName": "RSR.20.599.p",  "loanMonthTerm": 240,  "estLoanTerms": [  {  "choiceRate": 5.99,  "choiceMonthlyPayment": 2.62,  "standardRate": 7.99,  "standardMonthlyPayment": 4.33,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 7.29,  "choiceMonthlyPayment": 2.93,  "standardRate": 9.29,  "standardMonthlyPayment": 4.78,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 7.99,  "choiceMonthlyPayment": 3.1,  "standardRate": 9.99,  "standardMonthlyPayment": 5.03,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 9.19,  "choiceMonthlyPayment": 3.4,  "standardRate": 11.19,  "standardMonthlyPayment": 5.48,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  }  ]  },  {  "productId": 64,  "productName": "RSR.20.499.tx",  "productDisplayName": "RSR.20.499.tx",  "loanMonthTerm": 240,  "estLoanTerms": [  {  "choiceRate": 4.99,  "choiceMonthlyPayment": 2.4,  "standardRate": 6.99,  "standardMonthlyPayment": 4,  "maxLoanAmount": 100000,  "minLoanAmount": 15000  },  {  "choiceRate": 5.99,  "choiceMonthlyPayment": 2.62,  "standardRate": 7.99,  "standardMonthlyPayment": 4.33,  "maxLoanAmount": 100000,  "minLoanAmount": 15000  },  {  "choiceRate": 6.79,  "choiceMonthlyPayment": 2.81,  "standardRate": 8.79,  "standardMonthlyPayment": 4.6,  "maxLoanAmount": 100000,  "minLoanAmount": 15000  }  ]  },  {  "productId": 65,  "productName": "RSR.12.399",  "productDisplayName": "RSR.12.399",  "loanMonthTerm": 144,  "estLoanTerms": [  {  "choiceRate": 3.99,  "choiceMonthlyPayment": 3.17,  "standardRate": 5.99,  "standardMonthlyPayment": 5.1,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 4.99,  "choiceMonthlyPayment": 3.37,  "standardRate": 6.99,  "standardMonthlyPayment": 5.39,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 5.79,  "choiceMonthlyPayment": 3.54,  "standardRate": 7.79,  "standardMonthlyPayment": 5.63,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  },  {  "choiceRate": 7.29,  "choiceMonthlyPayment": 3.86,  "standardRate": 9.29,  "standardMonthlyPayment": 6.09,  "maxLoanAmount": 100000,  "minLoanAmount": 10000  }  ]  }  ]  } |