



RURAL ELECTRIFICATION AGENCY

Powered by: ODYSSEY

Developer

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Hunter Dudley

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RURAL ELECTRIFICATION AGENCY

ENERGY + EMPOWERMENT + EFFICIENCY

POWER AFRICA

A U.S. GOVERNMENT-LED PARTNERSHIP



USAID FROM THE AMERICAN PEOPLE

Mini-Grid Acceleration Scheme

Implemented by:



Instructions: Click on the [Programs](#) tab to access all program documents.

[Getting Started Video](#)

[User Guide](#)

Odyssey Updates

The Odyssey team is committed to providing you the rapid support you need as you try out the platform. Simply enter your comments or questions in the chat box on the screen, and we promise you a quick response.

ECREEE WEEKLY Q&A SESSIONS

Every Tuesday at 2 pm GMT Odyssey will be hosting Q&A sessions for the ECREEE Call for Proposals. JOIN US! (<https://zoom.us/j/506741283>) or

[Read More](#)

View an Odyssey Introductory training session

[Read More](#)

Odyssey has been in the news

Odyssey recently surpassed 550 projects being planned within the software, requiring a total estimated investment of more than USD \$500 m

Check out our latest features in [Greentech Media](#)

[Read More](#)





Programs



Drag here to set row groups

Program Name	Program Owner	Description	Enrolled	Access	Pre-qualification	Pre-Qualification Status	Start Date
<input type="text" value="imas"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	mm/dd/y
Interconnected Mini-Grid Acceleration...	REA Nigeria	Under the leadership of the FMPWH, th...	Yes	Invite Only	Not Required	Selected	29 April 20

Columns
Filters



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Interconnected Mini-Grid Acceleration Scheme (IMAS)

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Interconnected Mini-Grid Acceleration Scheme (IMAS)

Under the leadership of the FMPWH, the main objective of the present intervention will be to design and test a tender model for interconnected solar mini-grids, the Interconnected Mini-grid Acceleration Scheme (IMAS). The selected bidders will be supported with partial capital (in-kind) grants and technical assistance on project development provided by the REA (using funding from NESP). The tender will use similar criteria for the selection of mini-grid developers as a financier would use to do its due diligence on any loan applicant. It is expected that this will reduce substantially the efforts that will need to be made by the selected developers to access finance for their projects.

The IMAS aims at providing a minimum of 75,000 people or 15,000 customers (incl. residential, public, commercial or productive users using single phase or three-phase effective connections) with access to reliable electricity services at an affordable tariff via privately-led solar IMG projects in Nigeria by September 2020. The Scheme will be jointly managed by representatives from the FMPWH, REA in the person of the Executive Director REF and NESP (Scheme Managers).

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Interconnected Mini-Grid Acceleration Scheme (IMAS)

[Home](#)[Documents](#)[Projects](#)

Folder or File Name



Size

<input type="checkbox"/>	<input type="checkbox"/>		Interconnected Mini-Grid Acceleration Scheme (IMAS)	535 KB
<input type="checkbox"/>	<input type="checkbox"/>		20190204_IMAS_Operational_Guidelines.docx	316 KB
<input type="checkbox"/>	<input type="checkbox"/>		IMAS_Call_for_Proposals.docx	219 KB



**My Projects**

Shared Projects



Create Project(s) ▾

**Tip:** Drag any project header to the area below to group your projects into folders. Check out the [Help Guide](#) to learn how to use pivot tables on your pipeline.[Reset Filters](#) [Export List](#)

Drag here to set row groups

<input type="checkbox"/> Project Name ▾	Latitude ▾	Longitude ▾	Country ▾	State/Province ▾	Customers ▾	PV
<input type="text" value="sample"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="checkbox"/> Sample Project	4.923593093130886	7.378048750000062	Nigeria	Delta	395	60
<input type="checkbox"/> Sample Project 2	4.789493783492471	7.213253828125062	Nigeria	Delta	400	38

Total Rows: 4 Filtered: 2



Sample Project

IRR: -30.09%

LCOE: \$0.29 / kWh

Adjusted CAPEX: \$180,251.00

Calculate

- OVERVIEW -

PRE-DEVELOPMENT ▾

Site

Survey Data

Load

Generation Design

Distribution Design

Costs

Revenue

Financial

Summary

DEVELOPMENT ▾

Tracker

Project Overview

PRE-DEVELOPMENT

DEVELOPMENT

OPERATIONS

SETTINGS

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help.

View Templates

Program: Interconnected Mini-Grid Acceleration Scheme (IMAS)

All sections marked **Required** should be completely filled out for submission to Interconnected Mini-Grid Acceleration Scheme (IMAS)

Site

In this section, you'll provide identifying information about your site including the location and latitude/longitude coordinates.

View Guide

Edit

Survey Data

If you used the Odyssey Mobile Survey Tool, your results will appear in this section.

View Guide

Edit



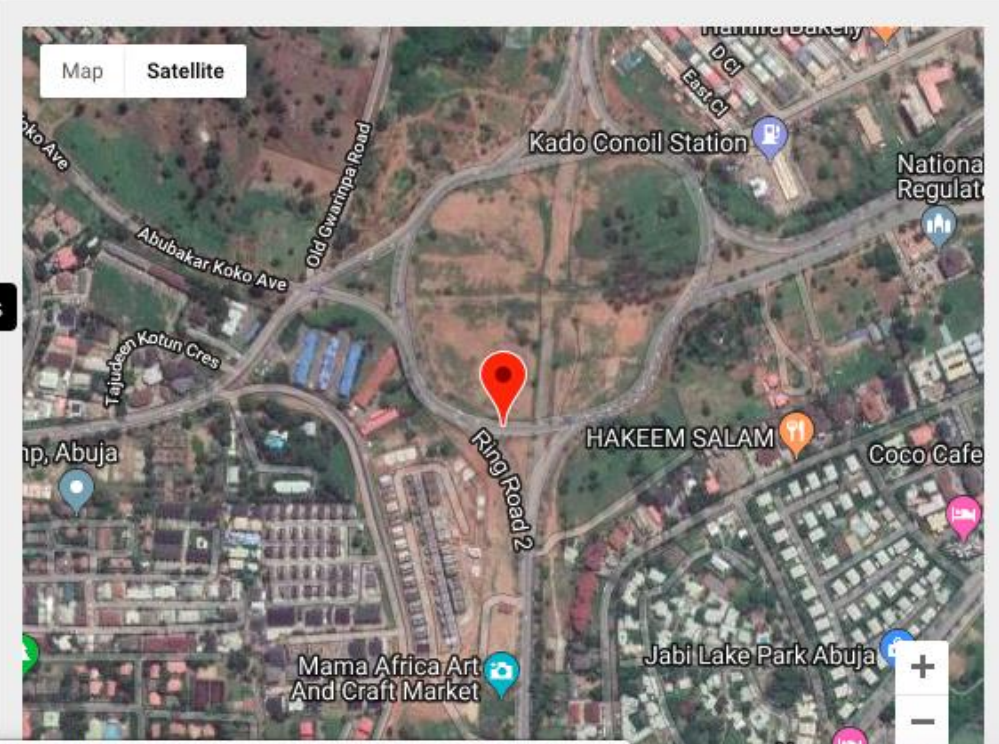
Sample Project 6

- OVERVIEW -
- PRE-DEVELOPMENT
 - Site
 - Survey Data
 - Load
 - Generation Design
 - Distribution Design
 - Costs
 - Revenue
 - Financial
 - Summary
- DEVELOPMENT
 - Tracker

Site Specifications

- Project Overview**
- Project Files
- Site Details

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help. [View Templates](#)



Project Name

Executive Summary

B I U [List Icons] [Link Icon] [Image Icon] [Undo Icon]

This is a sample project

24 / 2000 Characters

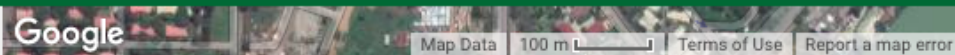
Project Type



Sample Project 6

 Business Analytics System Connections

SETTINGS ▾

 Sharing

Country

Nigeria ▾

State/Province

Federal Capital Territory ▾

Program

Rural Electrification Fund - Mir ▾

City

Abuja

Tariff Currency

Nigerian Naira ▾

Exchange Rate

[View Rates](#)

360

Commercial Operation Date (COD)

01/26/2019 

Status

Site Surveyed ▾

Latitude

9.074

Longitude

7.41

Save

Cancel



RURAL ELECTRIFICATION AGENCY



Developer

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Start

Trina Tychell ▾

Help ?

Sample Project 5

PRE-DEVELOPMENT ▾

Site

Survey Data

Load

Generation Design

Distribution Design

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Revenue

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DEVELOPMENT ▾

Tracker

Site Specifications

Project Overview

Project Files

Site Details

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help.

View Templates



Drag and drop or **Select Files** to upload

Name ▾

Description ▾



No Rows To Show





Sample Project 5

Site Specifications

data or contact support@odysseyenergysolutions.com for help.

[View Templates](#)

Project Overview Project Files Site Details

Category Name	Value	Unit	Source	Source Detail	
Households	600		▼	Oct. 2018 Survey	
Population	1,300		Government	▼ Government 2016 Statistics	
Population density	25	per km*2	▼	Other	
Distance from grid	12.5	km	▼	Government	▼ Government 2016 Statistics
List commercial/industrial facilities	Posho Mill, carpentry		Survey	▼ Oct. 2018 Survey	
Number of shops (small)	2		Survey	▼ Oct. 2018 Survey	
Key economic activities	Agriculture		Survey	▼ Oct. 2018 Survey	
List major agricultural crops, if any	Yams, sorgum, spices		Survey	▼ Oct. 2018 Survey	
Min lighting/mobile charging spend per month	50	Nigerian Naira	▼	Survey	▼ Oct. 2018 Survey
Max lighting/mobile charging spend per month	250	Nigerian Naira	▼	Survey	▼ Oct. 2018 Survey
Number of diesel generators	2 in village center		Survey	▼ Oct. 2018 Survey	
Min diesel spend per month	1,800	Nigerian Naira	▼	Survey	▼ Oct. 2018 Survey
Max diesel spend per month	210,000	Nigerian Naira	▼	Survey	▼ Oct. 2018 Survey

Save

Cancel



Site

Survey Data

Load

Generation Design

Distribution Design

Costs

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Financial

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DEVELOPMENT

Tracker

OPERATIONS



Sample Project 6

Baseline System Load ...

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help.

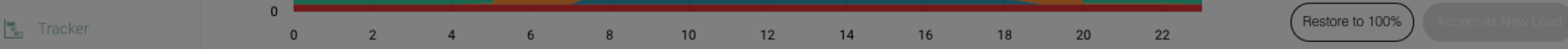
[View Templates](#)



Results will be calculated once you add
Customer Types and Equipment



Sample Project 6



- Tracker
- OPERATIONS
- Business A
- System
- Connection
- SETTINGS
- Sharing

Add Customer Type ✕

Upload 8760

Have an 8760 File? Upload it here.

Create Customer Type

Adding a customer type? Create new customer types here.

Choose From Library

Using the same customer types? Bulk add from library here.

Customer Type ^	Category ^	Tier ^	Customers ^	Avg Daily Load/Cust. (Wh) ^	Avg Daily Load/Type (Wh) ^	Scaling Factor ^	
▼ Metering Load	Internal Load	TIER 1	90	72	6,480	100%	...

Name	Quantity per Customer	Power per equipment (W) or Total Daily Load (Wh)	Avg. Weekday Energy	Avg. Weekend Energy	
Smart Meter	1	3	72 (Wh)	72 (Wh)	...

Add Load

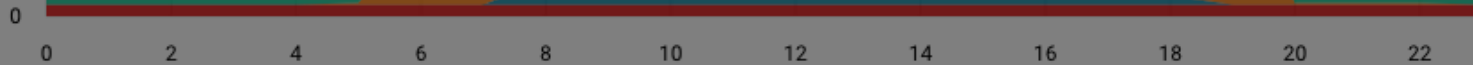
▶ Clinic	Public	TIER 1	1	1,792	1,792	100%	...
----------	--------	--------	---	-------	-------	------	-----

▶ School	Public	TIER 1	2	3,527	7,055	100%	...
----------	--------	--------	---	-------	-------	------	-----



Sample Project 6

Tracker



Restore to 100%

Accept as New Load

OPERATIONS

Business A

System

Connection

SETTINGS

Sharing

Add Customer Type ✕

Upload 8760

Have an 8760 File? Upload it here.

Create Customer Type

Adding a customer type? Create new customer types here.

Choose From Library

Using the same customer types? Bulk add from library here.

Need help? Check out the [8760 Template](#) and [Upload Guide](#) (below).

Download 8760 Template

Upload 8760 File

[8760 Upload Guide](#)

Name	Quantity per Customer	Power per equipment (W) or Total Daily Load (Wh)	Avg. Weekday Energy	Avg. Weekend Energy
------	-----------------------	--	---------------------	---------------------

Smart Meter	1	3	72 (Wh)	72 (Wh)	...
-------------	---	---	---------	---------	-----

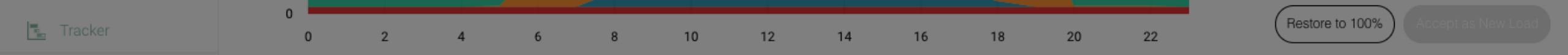
Add Load

▶ Clinic	Public	TIER 1	1	1,792	1,792	100%	...
----------	--------	--------	---	-------	-------	------	-----

▶ School	Public	TIER 1	2	3,527	7,055	100%	...
----------	--------	--------	---	-------	-------	------	-----



Sample Project 6



Add Customer Type

Upload 8760
Have an 8760 File? Upload it here.

Create Customer Type
Adding a customer type? Create new customer types here.

Choose From Library
Using the same customer types? Bulk add from library here.

Tier:

Customer Category:

- ✓ Residential
- Commercial
- Public
- Productive
- Anchor
- Internal Load

Customer Type Name:

Number of Customers:

Save

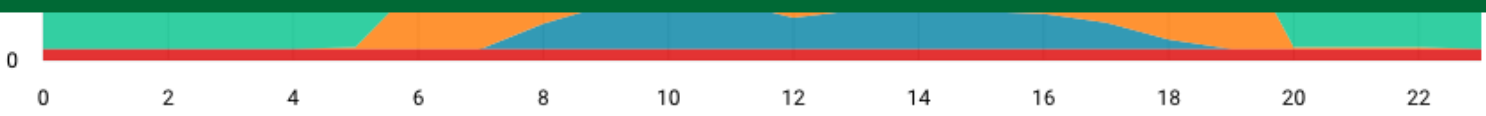
Smart Meter							
	3	72 (Wh)	72 (Wh)				
▶ Clinic	Public	TIER 1	1	1,792	1,792	100%	
▶ School	Public	TIER 1	2	3,527	7,055	100%	

Add Load



Sample Project 6

- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics
 - System
 - Connections
- SETTINGS
 - Sharing



[Restore to 100%](#) [Accept as New Load](#)

Customer Types

[Collapse All](#) [Add Customer Type](#)

Customer Type ^	Category ⇅	Tier ⇅	Customers ⇅	Avg Daily Load/Cust. (Wh) ⇅	Avg Daily Load/Type (Wh) ⇅	Scaling Factor ⇅	
▼ Metering Load	Internal Load	TIER 1	90	72	6,480	100%	...

Name	Quantity per Customer	Power per equipment (W) or Total Daily Load (Wh)	Avg. Weekday Energy	Avg. Weekend Energy	
Smart Meter	1	3	72 (Wh)	72 (Wh)	...

[Add Load](#)

▶ Clinic	Public	TIER 1	1	1,792	1,792	100%	...
----------	--------	--------	---	-------	-------	------	-----



Sample Project 6

Tracker

OPERATIONS

- Business Analytics
- System
- Connections

SETTINGS

- Sharing

Add Load ✕

Equipment Name / Total Load

Quantity per Customer

Power per equipment (W) or Total Daily Load (Wh)

Usage Profile

Select the hours your load will be in use: (Hour 0 is 0:00 - 1:00). [Click here to use am/pm format.](#)

For All Days:

Utilization Factor (%) by Hour:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Weekdays and weekends are the same:

[Add Custom Month](#)

Save
Cancel

Restore to 100% Accept as New Load

Collapse All Add Customer Type

pe (Wh) ⚡ Scaling Factor ⚡

100% ⋮

Avg. Weekend Energy

72 (Wh) ⋮

Add Load

100% ⋮

100% ⋮



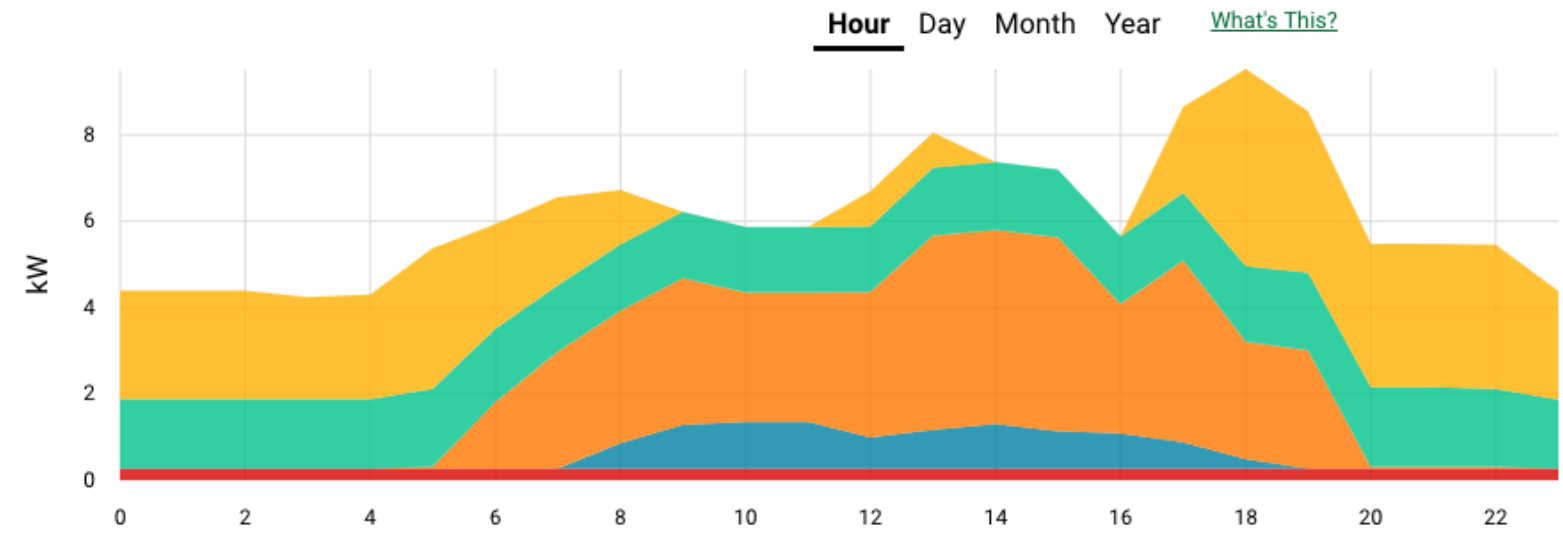
Sample Project 6

- OVERVIEW -
- PRE-DEVELOPMENT
 - Site
 - Survey Data
 - Load**
 - Generation Design
 - Distribution Design
 - Costs
 - Revenue
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 - Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS

Baseline System Load ...

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help. [View Templates](#)

146.46 Avg. Daily Load (kWh/d) | 91 Customer Connections | 9.73 Peak kW | 18 Peak Hour [Download Time Series](#)



▼ Show & Scale Load [What's This?](#)

Click the customer type label to toggle on/off

Residential	<input type="range"/>	Set Maximum 200%
Commercial	<input type="range"/>	100%
Productive	<input type="range"/>	100%
Public	<input type="range"/>	100%
Internal Load	<input type="range"/>	100%

[Restore to 100%](#) [Accept as Is](#) 

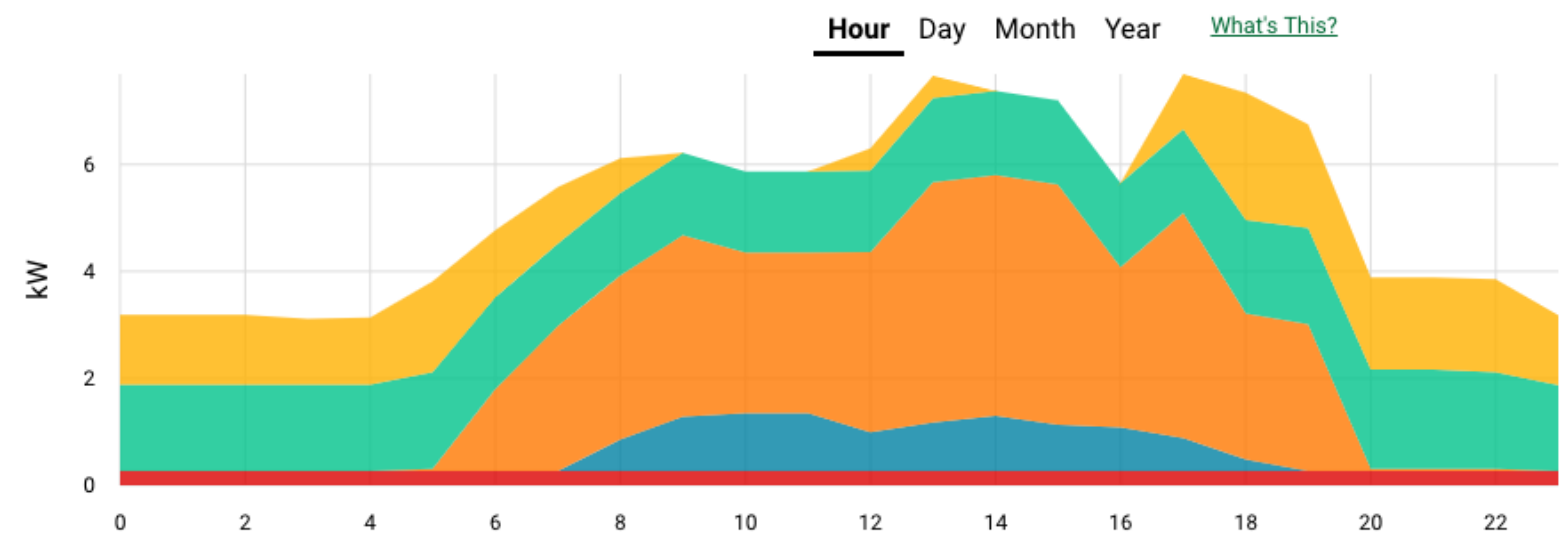
Sample Project 6

- OVERVIEW -
- PRE-DEVELOPMENT
 - Site
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 - Load**
 - Generation Design
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 - Costs
 - Revenue
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- DEVELOPMENT
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- OPERATIONS

Baseline System Load ...

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help. [View Templates](#)

146.46 Avg. Daily Load (kWh/d) | 91 Customer Connections | 9.73 Peak kW | 18 Peak Hour [Download Time Series](#)



Show & Scale Load [What's This?](#)

Click the customer type label to toggle on/off

Residential	<input type="range" value="52%"/>	Set Maximum 200% 52%
Commercial	<input type="range" value="100%"/>	100%
Productive	<input type="range" value="100%"/>	100%
Public	<input type="range" value="100%"/>	100%
Internal Load	<input type="range" value="100%"/>	100%

[Restore to 100%](#) [Accept as N](#)





Sample Project

IRR: -30.09%

LCOE: \$0.29 / kWh

Adjusted CAPEX: \$180,251.00

Calculate

- OVERVIEW -

PRE-DEVELOPMENT ▾

Site

Survey Data

Load

Generation Design

Distribution Design

Costs

Revenue

Financial

Summary

DEVELOPMENT ▾

Tracker

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help.

View Templates

Generation Designs

Below is a list of all generation designs you have created for this load. To let us know which load and design you would like to use for future calculations, you must select one as your final design by clicking the **...** and selecting as a final design.

Create New Generation Design ▾

Name	Source	Solar PV	Generator	Storage	Load Met	Renewable Fraction	OPEX	CAPEX	
<u>Generation Design_1</u>	HOMER	30 kW	Diesel, 20 kW	80 kWh, Lithium Ion	98%	<i>Not Calculated</i>	\$1,100.00/yr	\$70,250.00	...
<u>DC Design</u>	HOMER	60 kW	Diesel, 16 kW	202.17 kWh, Lead Acid	100%	73.3%	\$7,821.86/yr	\$109,695.00	Active Design ...





Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00 Calculate

This is your Active Generation Design. [Why we do this?](#)

Save and Return to List

DC Design

Model with HOMER:

Enabled

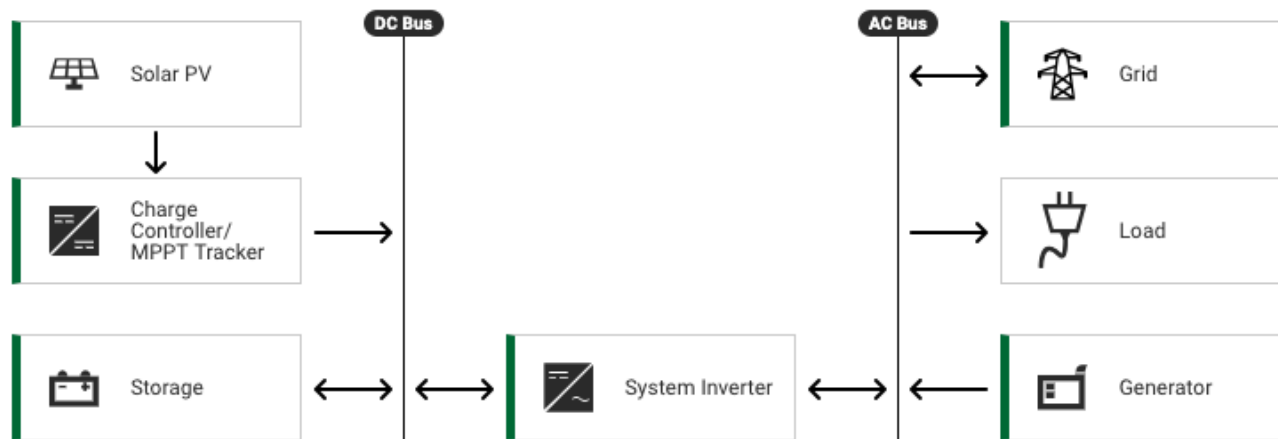


AC-Coupled System

DC-Coupled System

DC-Coupled System Components

Drag and Drop components into your custom generation design.



Other Components

Balance of System and Fixed Costs

- Site
- Survey Data
- Load
- Generation Design**
- Distribution Design
- Costs
- Revenue
- Financial
- Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics
 - System




Sample Project IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00 [Calculate](#)

Data Integrations

Drag and Drop a component from above to add it to your design


 **Solar PV**
60 kW

 **Charge Controller/MPPT Tracker**
62.85 kVA

 **Storage**
202.17 kWh

 **System Inverter**
14.13 kVA

 **Generator**
16 kW

 **Grid**
Not Calculated

Details

Optimize Sizing: Disabled

Total PV Capacity:	60 kW
Panels Make:	Generic
Panels Model:	Generic
Total Scaling Cost:	\$700.00/kW

[Hide Specific Costs](#)

Panels CAPEX:	\$500.00/kW
Panel Racking:	\$200.00/kW
Panel Foundations:	\$0.00/kW
Additional Panels Scaling Costs:	\$0.00/kW

[Remove and Aggregate Specific Costs](#)

Replacement Needed: Yes

Input Constraints

Min. Renewable Fraction:	<input type="text" value="60"/> %
Min. Load Availability:	<input type="text" value="97"/> %
System Oversizing Factor: What's this?	<input type="text" value="10"/> %
System Losses:	<input type="text" value="3"/> %
Discount Rate:	<input type="text" value="10"/> %

Model Output

Renewable Fraction:	73.3%
Load Availability:	100%
Excess Electricity:	18%





Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00 Calculate

Data Integrations

Drag and Drop a component from above to add it to your design

Solar PV
60 kW

Charge Controller/MPPT Tracker ...
62.85 kVA

Storage
202.17 kWh

System Inverter
14.13 kVA

Generator
16 kW

Grid
Not Calculated

Details

Optimize Sizing: Enabled

CC/MPPT Capacity: 62.85 kVA

CC/MPPT Make: Generic

CC/MPPT Model: Generic

Total Scaling Cost: \$200.00/kVA

[Add Specific Costs](#)

Replacement Needed: No

Total CC/MPPT Scaling Costs: \$12,570.00

Input Constraints

Min. Renewable Fraction: %

Min. Load Availability: %

System Oversizing Factor: % [What's this?](#)

System Losses: %

Discount Rate: %

Model Output

Renewable Fraction: 73.3%

Load Availability: 100%

Excess Electricity: 18%





Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00

Calculate

Data Integrations

Drag and Drop a component from above to add it to your design



Solar PV
60 kW



Charge Controller/MPPT Tracker
62.85 kVA



Storage
202.17 kWh



System Inverter
14.13 kVA



Generator
16 kW



Grid
Not Calculated

Details

Optimize Sizing: Enabled

Storage Size: 202.17 kWh

Storage Make: Generic

Storage Model: Generic

Storage Type: Lead Acid

Total Scaling Cost: \$200.00/kWh

[Add Specific Costs](#)

Replacement Needed: No

Total Storage Scaling Costs: \$40,434.00

Input Constraints

Min. Renewable Fraction: %

Min. Load Availability: %

System Oversizing Factor: %
[What's this?](#)

System Losses: %

Discount Rate: %

Model Output

Renewable Fraction: 73.3%

Load Availability: 100%

Excess Electricity: 18%





Sample Project

IRR: -30.09%

LCOE: \$0.29 / kWh

Adjusted CAPEX: \$180,251.00

Calculate

Data Integrations

Drag and Drop a component from above to add it to your design



Solar PV
60 kW



**Charge Controller/
MPPT Tracker**
62.85 kVA



Storage
202.17 kWh



System Inverter ...
14.13 kVA



Generator
16 kW



Grid
Not Calculated

Details

Optimize Sizing: Enabled

System Inverter Size: 14.13 kVA

System Inverter Make: Generic

System Inverter Model: Generic

Total Scaling Cost: \$700.00/kVA

[Add Specific Costs](#)

Replacement Needed: No

Total System Inverter Scaling Costs: \$9,891.00

Input Constraints

Min. Renewable Fraction: %Min. Load Availability: %System Oversizing Factor: %
[What's this?](#)System Losses: %Discount Rate: %

Model Output

Renewable Fraction: 73.3%

Load Availability: 100%

Excess Electricity: 18%





Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00

Calculate

Data Integrations

Drag and Drop a component from above to add it to your design


 **Solar PV**
60 kW

 **Charge Controller/MPPT Tracker**
62.85 kVA

 **Storage**
202.17 kWh

 **System Inverter**
14.13 kVA

 **Generator**
16 kW

 **Grid**
Not Calculated

Details

Optimize Sizing: Enabled

Generator Capacity:	16 kW
Generator Make:	Generic
Generator Model:	Generic
Total Scaling Cost:	\$300.00/kW Add Specific Costs
O&M:	\$0.01/kW/hr
Runtime per year:	3,212 hours
Fuel Type:	Diesel
Fuel Price:	\$1.00/L
Fuel Usage:	7,307.94 L/year
Replacement Needed:	No

Input Constraints

Min. Renewable Fraction:	<input type="text" value="60"/> %
Min. Load Availability:	<input type="text" value="97"/> %
System Oversizing Factor: What's this?	<input type="text" value="10"/> %
System Losses:	<input type="text" value="3"/> %
Discount Rate:	<input type="text" value="10"/> %

Model Output

Renewable Fraction:	73.3%
Load Availability:	100%
Excess Electricity:	18%





Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00

Calculate

Data Integrations

Drag and Drop a component from above to add it to your design

 **Solar PV**
60 kW

 **Charge Controller/MPPT Tracker**
62.85 kVA

 **Storage**
202.17 kWh

 **System Inverter**
14.13 kVA

 **Generator**
16 kW

 **Grid**
Not Calculated

Details

Buy Price: \$0.15

Sell Price: \$0.00

Are there hours when the grid is not available?: Yes

Daytime availability (6:00 - 18:00):	10 hours
Nighttime availability (18:00 - 6:00):	4 hours

Input Constraints

Min. Renewable Fraction: 60 %

Min. Load Availability: 97 %

System Oversizing Factor: 10 % [What's this?](#)

System Losses: 3 %

Discount Rate: 10 %

Model Output

Renewable Fraction: 73.3%

Load Availability: 100%

Excess Electricity: 18%





Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00

Calculate

- Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics
 - System
 - Connections
- SETTINGS
 - Sharing
 - Data Integrations

Fixed Costs

Run HOMER

Congratulations! Your design has been submitted to HOMER. Press Check Results to view run status, populate results, and download a HOMER file or a PDF of results.

OK

Generation Design

Powered By: HOMER Energy

Run HOMER

View Results

[How does this work?](#)

Latest HOMER Run Status: Scheduling . . .

Drag and Drop a component from above to add it to your design

Solar PV
60 kW

Details

Total PV Capacity:	60 kW
Panels Make:	Generic
Panels Model:	Generic

Optimize Sizing: Disabled

Input Constraints

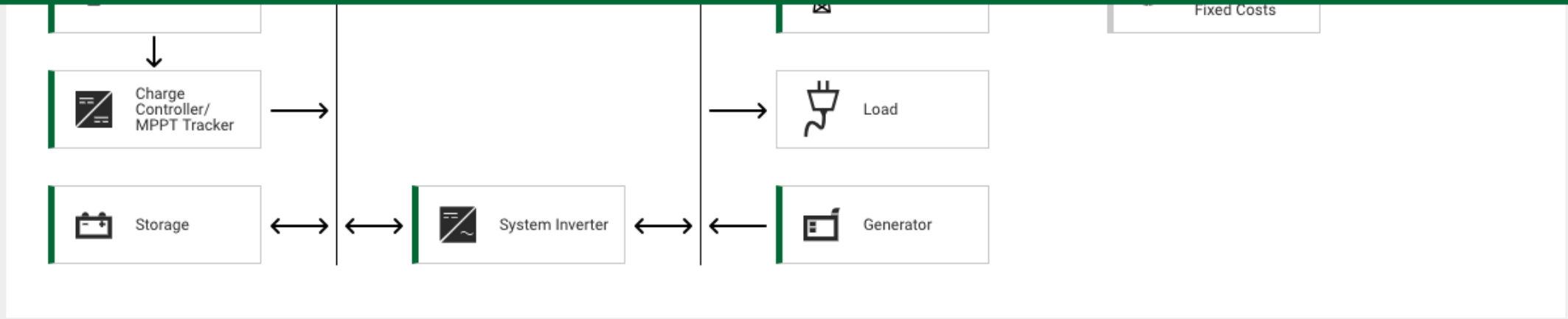
Min. Renewable Fraction:	60	%
Min. Load Availability:	97	%
System Oversizing Factor: What's this?	10	%



Sample Project

IRR: -30.09% LCOE: \$0.29 / kWh Adjusted CAPEX: \$180,251.00 Calculate

- Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics
 - System
 - Connections
- SETTINGS
 - Sharing
 - Data Integrations



Generation Design

Powered By: HOMER Energy

Run HOMER

View Results

[How does this work?](#)

Latest HOMER Run Status: Processing...

Drag and Drop a component from above to add it to your design

Solar PV
60 kW

Details

Total PV Capacity:	60 kW
Panels Make:	Generic
Panels Model:	Generic

Optimize Sizing: Disabled

Input Constraints

Min. Renewable Fraction:	60	%
Min. Load Availability:	97	%
System Oversizing Factor:	10	%





Sample Project

IRR: -30.09%

LCOE: \$0.29 / kWh

Adjusted CAPEX: \$180,251.00

Calculate

Summary

DEVELOPMENT ▾

Tracker

OPERATIONS ▾

Business Analytics

System

Connections

SETTINGS ▾

Sharing

Data Integrations

HOMER Run Dashboard

Run Date	Status	Message	Download
Apr 30, 2019, 6:11:58 AM	Done		Download
Apr 30, 2019, 5:38:01 AM	Done		Download
Apr 30, 2019, 12:28:33 AM	Done		Download

These results are a direct output from HOMER's optimization tool. For more information on HOMER's calculations and design modeling see [their manual](#)

Have questions on your HOMER run? Looking for more details on your HOMER results? Contact us via the chat box and the Odyssey team will give you a prompt response!

Close

General

Latest HOMER

Drag and Drop a component from above to add it to your design

Solar PV
60 kW

Details

Total PV Capacity: 60 kW

Panels Make: Generic

Panels Model: Generic

Optimize Sizing: Disabled

Input Constraints

Min. Renewable Fraction: 60 %

Min. Load Availability: 97 %

System Oversizing Factor: 10 %

What's this?



Sample Project 6

- Site
- Survey Data
- Load
- Generation Design
- Distribution Design**
- Costs
- Revenue
- Financial
- Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics
 - System

[Upload Excel](#) [Download Template](#)

Distribution Network [What should I add here?](#) \$195/connection \$17,750

<input type="checkbox"/>	Type	Details	Quantity	Unit Cost	Unit	Total Cost
<input type="checkbox"/>	Cabling	Cabling & Poles: 50 kVA	1500	\$10.00	meter	\$15000.00
<input type="checkbox"/>	Cabling	Cabling & Poles: 100 kVA	100	\$15.00	meter	\$1500.00
<input type="checkbox"/>	Cabling	Cabling & Poles: 150 kVA	50	\$25.00	meter	\$1250.00
<input checked="" type="checkbox"/>	Cabling	-	0	0	Unit	\$0.00

- Cabling
- Installation
- Other
- Poles
- Protections
- Shipping & Customs
- Transformers

Delete Add

Customer Connections [What should I add here?](#) \$72/connection \$6,535

<input type="checkbox"/>	Type	Details	Quantity	Unit Cost	Unit	Total Cost
<input type="checkbox"/>	Metering	Single-phase Meter & Customer Conne...	88	\$70.00	customer	\$6160.00
<input type="checkbox"/>	Metering	Three-phase Meter & Customer Conne...	3	\$125.00	customer	\$375.00



Sample Project 6

DEVELOPMENT

Tracker

OPERATIONS

Business Analytics

System

Connections

SETTINGS

Sharing

Customer Connections

[What should I add here?](#)

\$72/connection

\$6,535

<input type="checkbox"/>	Type	Details	Quantity	Unit Cost	Unit	Total Cost
<input type="checkbox"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Metering	Single-phase Meter & Customer Conne...	88	\$70.00	customer	\$6160.00
<input type="checkbox"/>	Metering	Three-phase Meter & Customer Conne...	3	\$125.00	customer	\$375.00

Delete

Add

Distribution Design Files



Drag and drop or [Select Files](#) to upload

<input type="checkbox"/>	Name	Description
	<input type="text"/>	



Sample Project 6

- OVERVIEW -
- PRE-DEVELOPMENT
 - Site
 - Survey Data
 - Load
 - Generation Design
 - Distribution Design
- Costs**
- Revenue
- Financial
- Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics

Costs

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help. [View Templates](#)

[Upload Excel](#) [Download Template](#)

General Costs [What should I add here?](#) \$0

Type	Details	Quantity	Unit Cost	Unit	Total Cost
<input type="checkbox"/>	Training	-	0	\$0.00	Unit \$0.00
<input checked="" type="checkbox"/>	Customer Acquisition	0	0	Unit	\$0.00

- Installation
- Insurance
- Land
- Logistics
- Other
- Permits
- Project Management
- Shipping
- Site Preparation
- Training
- Travel

[Delete](#) [Add](#)

Baseline [What should I add here?](#) \$3,700/yr

Type	Details	Quantity	Unit Cost	Unit	Total Cost
<input type="checkbox"/>	O&M	1	\$2500.00/yr	unit	\$2500.00/yr



Sample Project 6

- OVERVIEW -
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- OPERATIONS
 - Business Analytics

Revenues

collected as : US Dollars Nigerian Naira

\$28


Connection Fees

\$22,426

Annual Revenue

\$1,869

Average Monthly Revenue

 You can apply tariffs across multiple customer types using the "Assign Tariffs" button. [Help](#) Assign Tariffs

Customer Type	Tier	Customers	Avg Daily Load/Cust. (Wh)	Avg Daily Load/Type (Wh)
▶ Clinic	TIER 1 - Public	1	1,792.18	1,792.18
▶ School	TIER 1 - Public	2	3,527.26	7,054.52
▼ Large Household	TIER 3 - Residential	10	1,866.46	18,664.59

\$28

Initial Revenue

\$3,406

Annual Revenue

100%

Limit Applied

US Dollars

Nigerian Naira

Connection Fee



Sample Project 6

- Revenue
- Financial
- Summary
- DEVELOPMENT
 - Tracker
- OPERATIONS
 - Business Analytics
 - System
 - Connections
- SETTINGS
 - Sharing

Large Household	TIER 3 - Residential	10	1,866.46	18,664.59
-----------------	----------------------	----	----------	-----------

\$28 Initial Revenue	\$2,868 Annual Revenue	100% Limit Applied
-------------------------	---------------------------	-----------------------

	US Dollars	Nigerian Naira
Connection Fee	2.7777778	1000
Monthly Fee	0	0

Tariff Type

Off
 Standard
 Block

*The Tier Max Energy on the last line should be left blank. Any value here will be discarded when saved.

Tier Min Energy (kWh/Month)	Tier Max Energy (kWh/Month)	USD per kWh	NGN per kWh
0	3	0.500000004	180
3		0.41666667	150 

Add Block



Sample Project 6

Tier Min Energy (kWh/Month)	Tier Max Energy (kWh/Month)	USD per kWh	NGN per kWh
0	3	0.500000004	180
3		0.41666667	150 

Add Block

Time of Use Plan

 Off
 Standard Plan

*Please enter start and end times for the TOU block, such that entering a start time of 8 and an end time of 16 would mean an adjustment to power use between 8:00am and 4:00pm (8:00 and 16:00), and would not apply for any of the 4:00pm (16:00) hour.

Start Time	End Time	Modifier % ?
10	20	80 

Add Time Period

Save

Cancel

▶ Medium Household	TIER 2 - Residential	30	795.73	23,871.88
--------------------	----------------------	----	--------	-----------



Sample Project 6

- OVERVIEW -
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 - Business Analytics

Revenues

collected as : US Dollars Nigerian Naira

\$28


Connection Fees

\$22,426

Annual Revenue

\$1,869

Average Monthly Revenue

 You can apply tariffs across multiple customer types using the "Assign Tariffs" button. [Help](#) Assign Tariffs

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▶ Clinic	TIER 1 - Public	1	1,792.18	1,792.18
▶ School	TIER 1 - Public	2	3,527.26	7,054.52
▼ Large Household	TIER 3 - Residential	10	1,866.46	18,664.59

\$28

Initial Revenue

\$3,406

Annual Revenue

100%

Limit Applied

US Dollars

Nigerian Naira

Connection Fee





Enter revenue assumptions

Projects Selected: Sample Project 6

(Required) Apply revenue model to customer categories:

2 checked ▾

(Optional) Apply only to customer types that contain:

Small

Selected Customer Types

- ✓ Residential
- ✓ Commercial

US Dollars

Connection Fee

20

Monthly Fee

10

Tariff Type

Off Standard Block

US Dollars/kWh

Standard Rate

0.5

Time of Use Plan





Sample Project 6

- OVERVIEW -

PRE-DEVELOPMENT ▾

- Site
- Survey Data
- Load
- Generation Design
- Distribution Design
- Costs
- Revenue

Financial

Summary

DEVELOPMENT ▾

Tracker

OPERATIONS ▾

Project Financials

Have lots of data? Use our Excel templates to quickly upload your data or contact support@odysseyenergysolutions.com for help.

View Templates

Financial Model Template

Odyssey Financial Model ▾

What is the project's life span? (years)

20

In the beginning of which year do you expect to hit your baseline load?

3

This is the load that you built in the Customers Section. This is typically beginning Year 2, to address initial customer ramp in the first year.

Uptake and Growth

How do you expect the load and costs to ramp to baseline and grow throughout the life of the project?

Ramp

Enter a number between 0 and 100 which will calculate the Number of Customers and Load per Customer as a percentage of your baseline. If 50% of your baseline

Baseline

Your baseline year reflects the figures entered into Load, Revenue, and Costs. This will always be 100.

Growth

The growth beyond the baseline year will be the percentage growth from the previous year. For example, 30 in Year 3 means 30% growth above Year 2.



Sample Project 6

System

Connections

SETTINGS ▾

Sharing

Reminder: All numbers are converted to percentages. Entering 20 here means 20%.

Year of plant operation		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Load Growth		Ramp (%)		Baseline (%)	Growth (%)											
Residential	Number of Customers	75	90	100	5	4	2	1	1	1	0	0	0	0	0	0
	Load per Customer	100	100	100	2	1	1	0	0	0	0	0	0	0	0	0
Commercial	Number of Customers	75	90	100	5	4	3	3	1	1	0	0	0	0	0	0
	Load per Customer	100	100	100	2	2	2	2	0	0	0	0	0	0	0	0
Productive	Number of Customers	75	90	100	2	2	2	1	1	1	0	0	0	0	0	0
	Load per Customer	100	100	100	2	2	2	2	0	0	0	0	0	0	0	0
Public	Number of Customers	75	90	100	2	2	2	1	1	1	0	0	0	0	0	0
	Load per Customer	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0
Anchor	Number of Customers	75	90	100	0	0	0	0	0	0	0	0	0	0	0	0
	Load per Customer	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0
Total Load Growth					5.76	4.81	3.86	2.80	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Costs Growth																
OPEX		75	90	100	3	3	3	3	3	3	3	3	3	3	3	3
Fuel Cost		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

The growth rate applies to all years after baseline.

 %

Annual Tariff Escalation



Sample Project 6

The growth rate applies to all years after baseline.

 %

Annual Tariff Escalation

Additional Revenues and Costs

Note: If you have forecasted load growth beyond the capacity of your system, make sure to add expansion costs here.

Year of plant operation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Additional replacement/expansion costs	100	100	100	3	3	3	3	3	3	3	3	3	3	3	3	3
Appliance program revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Appliance program costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sensitivities





Sample Project 6

Sensitivities

Your settings here will affect your project financials. This information will factor into the data you share with investors and vendors when you create portfolios and RFQs.

 %

Under expected target load

 %

Annual non-technical revenue loss

 %

Project cost overrun (% above expected)

Expected grant changes only your IRR and payback calculations. Once you have created a portfolio with this project, be sure to include specific grant information in the Capitalization Stack section of your portfolio introduction.

 %

Expected Grant (As % of Capex)

 \$

Expected Grant (As \$ Per Connection)

Save and Run Calculation

Financials calculated using: **Odyssey Financial Model**

Download Project Financial Model

Upload Project Financial Model

Project-only Financials

Based on project cashflows only (unlevered, pre-tax).





Sample Project 6

[Save and Run Calculation](#)Financials calculated using: **Odyssey Financial Model**[Download Project Financial Model](#)[Upload Project Financial Model](#)

Project-only Financials

Based on project cashflows only (unlevered, pre-tax).

IRR **14.19%**Payback **8 years**LCOE **\$0.22 / kWh**

ARPU

Adjusted CAPEX	\$130,654.65
Residential ARPU	\$8.11
Commercial ARPU	\$57.17
Public ARPU	\$44.85
Productive ARPU	\$188.02
Anchor ARPU	\$0.00

Financial Metrics

Total Revenues (Project Life)	\$621,976.12
Total Expenses (Project Life)	\$96,097.14
financial-results-arpu.total-margin-label	\$26,293.95
CAPEX	\$124,433.00
CAPEX / Connection	\$1,252.97
kWh Sold at Baseline	45,377.04 kWh

[Update Results](#)

Sample Project 6

Update Results

Overall Financials

These financials include leverage and tax assumptions, as well as related business cashflows entered in the Excel financial model.

IRR **7.75%**

Payback **12 years**

Financial Metrics

NPV to Equity

Min DSCR

N/A

Average DSCR

1.25

Update Results

Sample Project 6

- OVERVIEW -
- PRE-DEVELOPMENT
 - Site
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 - Load
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 - Costs
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- DEVELOPMENT
 - Tracker
- OPERATIONS

Abuja, Nigeria

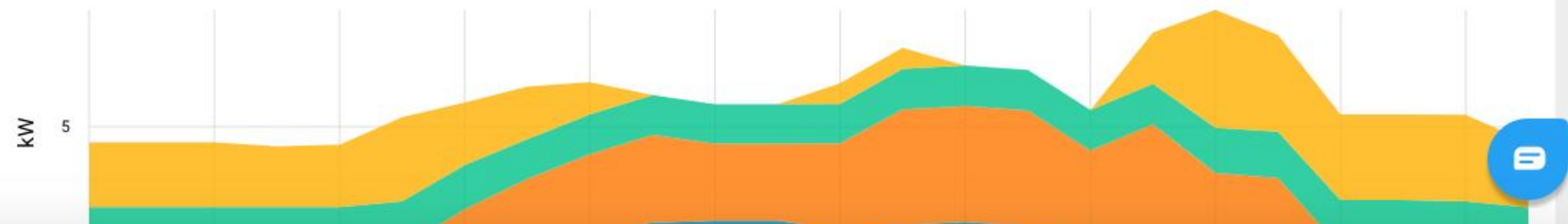
Executive Summary:
This is a sample project



Customers

Daily Load Profile - Baseline

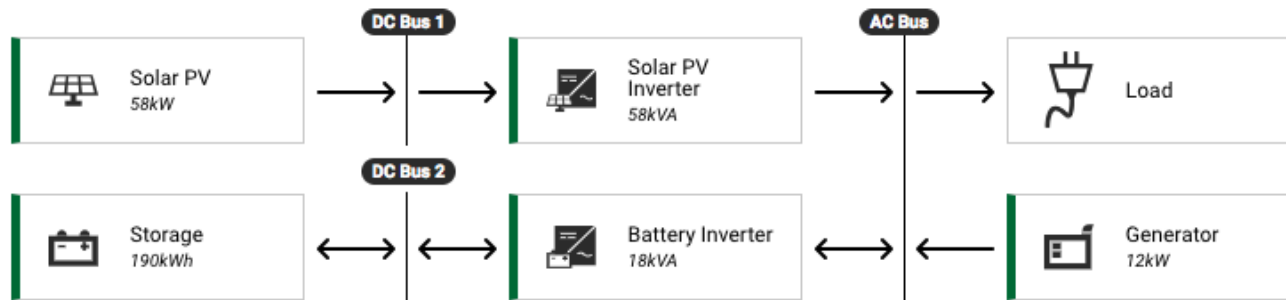
Shows: Residential Commercial Public Productive Internal Load



Sample Project 6

Generation Design

Sample Generation



Other Components

Balance of System and Fixed Costs

Input Constraints

Min. Renewable Fraction:	90%
Min. Load Availability:	99%
System Losses:	5%
Discount Rate:	10%

Model Output

Renewable Fraction:	90.04%
Load Availability:	100%
Excess Electricity:	28%
Cost of Energy:	\$0.23/kWh

Project Costs

\$124,433
Total CAPEX

\$4,820
Total OPEX/yr

\$1,367
Installed CAPEX/connection





Sample Project 6

Project Costs

\$124,433

Total CAPEX

\$4,820

Total OPEX/yr

\$1,367

Installed CAPEX/connection

\$0 / 0%



\$124,433 / 100%

■ Generation
 ■ Distribution Network
 ■ Customer Connections
 ■ General Costs

▶ Generation	\$1,742/kWp	\$100,148
▶ Distribution Network	\$195/connection	\$17,750
▶ Customer Connections	\$72/connection	\$6,535
▶ General Costs		\$0
▶ Operating Expenditures - Baseline		\$4,820/yr



Sample Project 6

▶ General Costs

\$0

▶ Operating Expenditures - Baseline

\$4,820/yr

Financials

Lifetime Revenues

\$621,976

Lifetime Expenses

\$96,097

Average Yearly Operating Margin

\$26,294/yr

Adjusted CAPEX

\$130,655

with 5% CAPEX Overrun

Pro Forma

Simple Payback

8 Years

with a 0% Grant

Unlevered Project IRR

14.19%

with a 0% Grant





My Projects

Shared Projects

Create Portfolio



Selected Projects: Sample Project, Sample Project 2

Create Project(s) ▾



Tip: Drag any project header to the area below to group your projects into folders. Check out the [Help Guide](#) to learn how to use pivot tables on your pipeline.

[Reset Filters](#) [Export List](#)

Drag here to set row groups

<input checked="" type="checkbox"/>	Project Name ▾	Latitude ▾	Longitude ▾	Country ▾	State/Province ▾	Customers ▾	PV
<input type="checkbox"/>	<input type="text" value="sample"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input checked="" type="checkbox"/>	Sample Project	4.923593093130886	7.378048750000062	Nigeria	Delta	395	60
<input checked="" type="checkbox"/>	Sample Project 2	4.789493783492471	7.213253828125062	Nigeria	Delta	400	38

Total Rows: 4 Filtered: 2 Selected: 2

My Projects

Shared Projects



Selected Projects: Sample Project, Sample Project 2

Create Project(s)

**Tip:** Drag any project header to the area below to group your projects into folders

Drag here to set row groups

 Project Name

Latitude

sample

Q

 [Sample Project](#)

4.9235930931308

 [Sample Project 2](#)

4.7894937834924

Create Portfolio



Selected Projects: Sample Project, Sample Project 2

Portfolio Name *

IMAS Lot 1 Submission

What would you like to do with this portfolio? *

- Create Portfolio for Financing (Tenders, RFPs, Investors)
- Create RFQ for Vendors

Create

Reset Filters Export List

State/Province

Customers

PV

Q

Q

Q

Delta

395

60

Delta

400

38

Columns
Filters

Total Rows: 4 Filtered: 2 Selected: 2



IMAS Lot 1 Submission

Overview

Introduction

Business Plan

Project Data

Data Room

Portfolio Submission

Summary

Level 1

Introduction

Your introduction is the first set of information that investors will see about your portfolio. The more specific you are the better the chance you'll get a match.

[Edit](#)

Level 2

Business Plan

Now is the time to provide a more complete summary of your portfolio. The goal of this section is to introduce an investor to your projects and general business model and approach.

[Edit](#)

Level 3

Project Data

In this section you'll see all the projects you've included in this portfolio.

[Edit](#)

Level 4

[Edit](#)



IMAS Lot 1 Submission

[Overview](#)[Introduction](#)[Business Plan](#)[Project Data](#)[Data Room](#)[Portfolio Submission](#)[Summary](#)

Define your Introduction

Interconnected Mini-Grid Acceleration Scheme (IMAS) - submission deadline: 06 July 2019 00:00

If you publish this portfolio to the Finance Marketplace, investors will see the summary information below and your organization's public profile. To edit your profile, [click here](#).

[Save Draft](#)[Update Project Data](#)

Overview



Note: Some fields in this portfolio are not editable. These fields are calculated from the projects contained in this portfolio.

Total number of projects in portfolio: 2

Country: Nigeria

Description *

Provide an overview of this portfolio, including your target markets, key characteristics about your customers and load, unique aspects of your business model, and any other relevant information about your business plan.





IMAS Lot 1 Submission

[Overview](#)[Introduction](#)[Business Plan](#)[Project Data](#)[Data Room](#)[Portfolio Submission](#)[Summary](#)

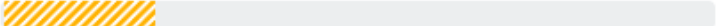
Define your Introduction


Interconnected Mini-Grid Acceleration Scheme (IMAS) - submission deadline: 06 July 2019 00:00

If you publish this portfolio to the Finance Marketplace, investors will see the summary information below and your organization's public profile. To edit your profile, [click here](#).

[Save Draft](#)[Update Project Data](#)**Total Portfolio Cost:** \$240,787.00

Current Status of Capital *

\$0 / 0%  \$240,787 / 100%

Type	Committed & Pending	Needed	% of Total Cost	Amount
⊗ ⊕  Grant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	21 %	\$ 50,000.00
Total			21%	\$50,000.00

- Select Status
- Committed
- Semi Committed
- Pending
- Needed

Additional Short-term Capital Required

Working Capital:

\$

Appliance Financing:

\$ Interested in a co-development partnership?**Total Grant:** \$118,500.00**Grant per Connection:** \$149.06



IMAS Lot 1 Submission

Overview

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Portfolio Submission

Summary

Business Plan

Interconnected Mini-Grid Acceleration Scheme (IMAS) - submission deadline: 06 July 2019 00:00

Save Draft

Portfolio Description

Project Sites

Customers

Other Activities

Construction and O&M

Risks

Describe any innovative approaches/ideas/technologies implemented for your project sites

B *I* U

How did you factor innovation into your selection of technology, affordability, business model and site plan/service?

0 / 3000 Characters

Provide a brief general description of the project sites included in this portfolio



IMAS Lot 1 Submission

- Overview
- Introduction
- Business Plan
- Project Data**
- Data Room
- Portfolio Submission
- Summary

Projects

Interconnected Mini-Grid Acceleration Scheme (IMAS) - submission deadline: 06 July 2019 00:00

Projects cannot be added or removed from a portfolio once created. You can always create a new portfolio from your projects list.



Project Name	Location	PV Capacity	Total CAPEX	Expected COD
Sample Project	City, Nigeria	60 kW	\$185,865.00	30-Apr-2020
Sample Project 2	City, Nigeria	38.7 kW	\$60,536.00	30-Apr-2020





IMAS Lot 1 Submission

Overview

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Summary

Data Room

Use this section to document information provided in the investor's document library. Upload draft documents if available; these can be replaced by final documents at a later date. Please provide any helpful guidance to the investor regarding where to find information, including document titles and page numbers.

Note: Data Room information can be accessed only by investors with Odyssey login credentials who have been explicitly permitted by the owner.

Document Checklist

Here is a list of suggested documentation. Check off once you've added it to your document Library. Use the Notes section to provide any helpful guidance to the investor regarding where to find information, including document titles and page numbers.

Developer Information



Developer Information

Corporate org chart

Capitalization table

Financial statements for last three years

Notes

Example: document titles and page numbers

Example: document titles and page numbers

Example: document titles and page numbers





IMAS Lot 1 Submission

Overview

Introduction

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Portfolio Submission

Summary

Submit Portfolio

Interconnected Mini-Grid Acceleration Scheme (IMAS) - submission deadline: 06 July 2019 00:00

Submit to: Interconnected Mini-Grid Acceleration Scheme (IMAS) ?

Status: Not Submitted

Submit Bid

Withdraw Bid

Publish to Marketplace ?

Status: Not Published

Publish to Marketplace

Remove from Marketplace

Submit Directly to Investor ?

Share with Investor



IMAS Lot 1 Submission

[Overview](#)[Introduction](#)[Business Plan](#)[Project Data](#)[Data Room](#)[Portfolio Submission](#)[Summary](#)

Submit Portfolio

Interconnected Mini-Grid Acceleration Scheme (IMAS) - submission deadline: 06 July 2019 00:00

Submit to: Interconnected Mini-Grid Acceleration Scheme (IMAS) ?**Status:** Submitted 30 April 2019 00:18[Submit Bid](#)[Withdraw Bid](#)**Publish to Marketplace ?****Status:** Not Published[Publish to Marketplace](#)[Remove from Marketplace](#)**Submit Directly to Investor ?**[Share with Investor](#)

Portfolios

Portfolios

Investor Profiles

To create a new portfolio, add projects from the [Projects Page](#)

Portfolio Name	Status
IMAS Lot 1 Submission	Submitted to Program Interconnected Mini-Grid Acceleration Scheme (IMAS)
REA Nigeria Introduction — Business Plan — Project Data — Data Room	Submitted
Project Group 3	Draft
Odyssey Energy Solutions-Finance View Investor message and details	
Project Group 2	Draft



MAS submission

Overview

Introduction

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Project Data

Data Room

Define your Introduction

If you publish this portfolio to the Finance Marketplace, investors will see the summary information below and your organization's public profile. To edit your profile, [click here](#).

Save Draft

Portfolio Actions ▾

[Publish to Marketplace](#)

[Submit Proposal](#)

Total Portfolio Cost: \$130,654.65

Current Status of Capital *

\$0 / 0%  \$130,654.65 / 100%

■ Committed & Pending ▨ Needed

Type	Status	% of Total Cost	Amount
⊗  Developer Equity	Committed ▾	50 %	\$ 65,327.32
⊗ ⊕  Grant	Needed ▾	50 %	\$ 65,327.32
Total		100%	\$130,654.64

Additional Short-term Capital Required

Working Capital: \$

Appliance Financing: \$

Interested in a co-development partnership?

Provide any necessary detail on funding and/or requirements

B I U     



MAS submission

Overview

Introduction

Business Plan

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Data Room

Definition

If you publish this portfolio and your organization is the lead developer, you will be able to submit this portfolio to investors.

Submit Proposal

Who would you like to send this portfolio to?

-- select --

Before sending your portfolio to this investor, ensure that you have viewed their profile and that they are a good match for your funding requirements. Note that all sections of the portfolio will be shared with the investor.

Are you ready to submit this portfolio? It will not be editable after submission.

Cancel

Submit



Developer Equity

Committed

50

%

\$

65,327.32



Grant

Needed

50

%

\$

65,327.32

Total

100%

\$130,654.64

Provide any necessary detail on funding and/or requirements

B I U



MAS submission

Overview

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Definition

If you publish
and your organization

Total

Current

Total

Provided



B

Submit Proposal



Who would you like to send this portfolio to?

- ✓ -- select --
- Dudley Microgrid
- EMac Microgrid
- Mythili - QA
- Odyssey Energy Solutions
- Odyssey Energy Solutions-Developer
- Odyssey Energy Solutions-Finance
- Odyssey Energy Solutions-Tender
- Odyssey Energy Solutions-Vendor
- REA Nigeria**
- Regression Organization
- SampleOrganization 1
- SampleOrganization 2
- SampleOrganization 3
- SampleOrganization 4
- SampleOrganization 5
- SampleOrganization 6
- SampleOrganization 7
- SampleOrganization 8
- SampleOrganization 9

Save Draft

Portfolio Actions

Term Capital Required

\$

Financing:

\$

...ted in a co-development partnership?



Portfolios

Portfolios

Investor Profiles

To create a new portfolio, add projects from the [Projects Page](#)

Portfolio Name

Status

MAS submission

Shared with Investor(s)

Rural Electrification Fund - Mini-Grid Acceleration Scheme (MAS)



[REA Nigeria](#)



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Submitted



Project Group 3

Draft



Odyssey Energy Solutions-Finance

[View Investor message and details](#)

Project Group 2

Draft







Portfolios

Portfolios

Investor Profiles

To create a new portfolio, add projects from the [Projects Page](#)

Portfolio Name	Status
MAS submission	Shared with Investor(s) Rural Electrification Fund - Mini-Grid Acceleration Scheme (MAS) ⋮
REA Nigeria <div style="display: flex; align-items: center; gap: 10px;"> <div style="text-align: center;">  Introduction </div> <div style="text-align: center;">  Business Plan </div> <div style="text-align: center;">  Project Data </div> <div style="text-align: center;">  Data Room </div> <div style="margin-left: 20px;"> Under Review </div> </div> ⋮	
Project Group 3	Draft ⋮
Odyssey Energy Solutions-Finance	View Investor message and details
Project Group 2	Draft ⋮



Portfolios

Portfolios

Investor Profiles

To create a new portfolio, add projects from the [Projects Page](#)

Portfolio Name

Status

MAS submission

Shared with Investor(s)

Rural Electrification Fund - Mini-Grid Acceleration Scheme (MAS)



REA Nigeria



Introduction



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Project Data



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Selected



Project Group 3

Draft



Odyssey Energy Solutions-Finance

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Project Group 2

Draft

