

INB 372 Story Cards

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Story ID	Estimate Buyer Savings	1	3
As a potential buyer, I want the system to calculate the amount of energy I'll produce with my solar panels, so I can estimate my savings.			
Acceptance Criteria System displays amount of energy to be produced in Kilowatts			
Notes .			

Story ID	Best ROI for System	1	1
As a user I want to be able to compare solar panel prices, so I can get the best return on investment.			
<div>Acceptance Criteria</div> <ul style="list-style-type: none">System displays solar panels prices for different sizes and kinds of solar panels in a list.			
<div>Notes</div> <ul style="list-style-type: none">			

User Enter's Own Details

1

2

As a user, I want to be able to enter my own details so I can compare competing scenarios.

Acceptance Criteria

- System takes input via text boxes about users details for further calculation.

Notes

- Realistic Defaults (Last tariff value, average cloud cover, etc)

Story ID	Electricity Generation 1	1	2
As a prospective purchaser I want to see how much electricity I am likely to generate in a year so that I can compare it to my actual usage			
Acceptance Criteria 'Likely electricity generated per year'and'actual electricity usage' are displayed in Kilowatts			
Notes .			

Story ID	User's detailed report	1	1
As a user, I would like detailed information (report) on how installing a solar panel system would create long term savings.			
Acceptance Criteria Detailed information report shows installations costs, expected savings per year and amount of years it would take to start making profit.			
Notes .			

Story ID	Data Entry Form	1	1
As the user, I would like an easy to read, usable, data entry form, so that I can enter the data.			
<div>Acceptance Criteria</div> <ul style="list-style-type: none">System takes input via text boxes about users details for further calculation.			
<div>Notes</div> <ul style="list-style-type: none">			

Story ID	Installers Clear Disclaimer	2	1
As an installation company I want a clear disclaimer to be shown to users so that they understand the nature of the estimate, its reliance on their data, and that the calculator is meant as a guide rather than an accurate tool.			
Acceptance Criteria Disclaimer meets requirements of company lawyers and of the owner.			
Notes .			

Story ID	Display figures for buyers	2	1
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As a sales person I want to show figures to potential customers, so I can convince a customer to buy.

Acceptance Criteria

User can input location and calculate potential money earned.
System displays potential money earned over 25 years in optimal conditions.

Notes

What figures? Break even point? Change in power usage? Savings?

Story ID	User compares locations	2	1
As a user I want to calculate numbers for any location, so I can compare locations.			
Acceptance Criteria <ul style="list-style-type: none">System displays return of investment for any locatiion inputted.			
Notes <ul style="list-style-type: none">			

Story ID	Green's Requirement	2	2
As an environmentally concious person, I want to be able to calculate the amount of greenhouse gasses I'm wouldn't emit with the new solar panels, so I can estimate my impact on the environment.			
Acceptance Criteria <ul style="list-style-type: none">System displays amount of greenhouse, gasses in ppm (parts per million), that would be generated by the electricity system without the solar panels.			
Notes <ul style="list-style-type: none">			

Story ID	Mobile User Compass	3	3
As a mobile user, I want to be able to use the built in compass so I can enter the direction and orientation hassle free.			
Acceptance Criteria When 'Use built in-compass' function is used, direction and orientation values are inputted into appropriate text boxes for potential program uses.			
Notes .			

Story ID	Mobile GPS	3	3
As a mobile user, I want to application to use the built in GPS, so it can automatically determine my latitude for solar power calculations.			
Acceptance Criteria Mobile inputs latitude co-ordinates into system directly or into a text box for editing before calculation.			
Notes .			

Story ID	Roof angle consequences	3	3
As a user, I want the system to account for the angle of my roof, so I can determine whether I need bracing and structure to obtain the optimum angle for solar collection.			
<div>Acceptance Criteria</div> <div>User can input angle of roof.</div> <div>System displays a simple 'yes' or 'no' depending of whether or not bracing & structure is needed.</div>			
<div>Notes</div> <div>.</div>			

Story ID	User Compares Systems	3	2
As a customer, I want to be able to compare different solar panel systems, so I can pick the best system for my house.			
Acceptance Criteria <ul style="list-style-type: none">System displays solar panels efficiency, power yields, and so on for the solar panel/s selected by the customer.			
Notes <p>Define "systems". Manufacturers? Panels? Converters? Batteries? All? Packages?</p>			

Story ID	Cost/Benefit of Bracing	3	2
As a buyer, I would like the application to calculate the cost/benefit of adding bracing (if necessary) to obtain an optimal angle for solar collection.			
Acceptance Criteria <ul style="list-style-type: none">System displays cost of bracing compared to the extra revenue gained from an optimal angle provided by bracing, and tells the user whether or not this is an improvement.			
Notes <ul style="list-style-type: none">			

Story ID	User selects simulation range	3	1
As a user, I would like the application to allow me to select how many years into the future I want it to estimate my savings.			
<div>Acceptance Criteria</div> <ul style="list-style-type: none">Amount of years can be input via text box or drop down menu for future calculation, and the system displays results for only that range.			
<div>Notes</div> <ul style="list-style-type: none">			

Story ID	User specify location	3	3
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As the user, I would like to be able to specify my location so that the correct local solar data can be entered

Acceptance Criteria

- System accepts longitude and latitude co-ordinates or addresses via text boxes as location for calculation.

Notes

- Must help gather data for sun per day, tariffs, latitude, etc.

Story ID	Aesthetic	4	2
As a buyer, I would like to be able to see photographs of the solar panels, so I can find one that looks best for my roof.			
Acceptance Criteria <ul style="list-style-type: none">System displays photos of solar panels via a database list. When model/brand is clicked via list, picture is display to the right.			
Notes <ul style="list-style-type: none">			

Story ID	Existing user's efficiency	4	3
As an existing owner I want to compare my average daily electricity generation with the estimated amount that should be generated by my system so that I can determine if there may be problems with my installation.			
Acceptance Criteria <ul style="list-style-type: none">'Average daily electricity generation' and 'potential electricity generation' are both displayed in kW.			
Notes <ul style="list-style-type: none">			

Story
ID

Story Title

Priority

Story
Points

As a ... I want ... so that ...

Acceptance Criteria

Notes