

## ECS Project Safety Plan

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Project Name: Renewable Energy Systems for Schools

Dates of Project Start and Project Finish                      Start March 8th Finish October (approx. 22<sup>nd</sup>)

### Risk Analysis

The project has the following risks associated with it.

#### Legislative risk

Privacy Act 2020

Information and Data obtained, management of data and disclosure of data  
Schools and their privacy concerns, data obligations

#### Safety Risk

Personal Computer Overuse

Other Computer related risks (see ECS Project Information Form for more examples)

#### Timeframe risks

Unable to source data from schools in timely manner or to deadlines

Delays in simulation and reports due to risk above

Loss of communication with schools

All schools unwillingly to share data

#### Data corruption risks

Data simulated and recorded has become corrupt, unrecoverable.

Backup system has failed, data non accessible

#### Covid 19 risks

Level 1 – No immediate risks or problems, in person meetings can occur with supervisor and schools

Level 2 – Physical distancing, minor level, meetings with supervisor and schools to be on Zoom

Level 3 – University closes, access to university for project not needed, minimal impact, Zoom

Level 4 – Everyone self-isolating, getting information from schools problematic if records on school grounds, Zoom.

Is the Risk profile of the project

Major	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Medium	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Minor	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

What is the highest risk in your project.

**Unable to obtain data from schools, where detailed data is not available or cannot be revealed.**

## Safety Plan

### Risks and mitigations

Category	Hazard	Risk	Impact	Controls/Mitigations
Health/Software	The user of the system is working on the computer for prolonged periods of time	Eye/Hand Strain.	Low - Medium	Ensure that the user is not in the labs, working on the computer for more than a specified amount of time e.g. 6 hours maximum per day. Taking regular breaks is also encouraged
Health/Software	Damage to equipment in labs	User may try to move the PCs, monitors, keyboards etc. User eats food/spills drink	Medium	As a participant in the lab, it is required to follow the guidelines set while working in the labs. The guidelines include no food and drink in labs, no moving of equipment in labs, equipment which belongs to the lab must stay in the lab etc.
Demonstration	Demonstrations of already implemented systems (e.g. solar panels, may require roof access)	Loss of control of Falling, tripping off roof	High-Extreme (depending on stories)	Ability to see PV panels either from a higher building or using a satellite imagery such as street view or Google Earth.

		Consequence				
		How severe could the outcomes be if the risk event occurred?				
		1	2	3	4	5
		Insignificant	Minor	Significant	Major	Severe
Likelihood	5 Almost Certain	5 Medium	10 High	15 Very high	20 Extreme	25 Extreme
	4 Likely	4 Medium	8 Medium	12 High	16 Very high	20 Extreme
	3 Moderate	3 Low	6 Medium	9 Medium	12 High	15 Very high
	2 Unlikely	2 Very low	4 Low	6 Medium	8 Medium	10 High
	1 Rare	1 Very low	2 Very low	3 Low	4 Medium	5 Medium