Appendix 10 – Statutory Assessment

Operative Selwyn District Plan

Overlays applying to site	Zone
Wāhi Taonga Management Site – C59	Outer Plains Outer Plains

Definitions:

Utility - includes the **use of any structure**, **building or land** for any of the following purposes:

- (a) The generation, transformation and/or transmission of energy;
- (b) Any telecommunication facility or telecommunication line;
- (c) Any radio communication facility;
- (d) The conveyance, storage, treatment or distribution of water for supply, including (but not limited to) irrigation and stockwater;
- (e) The drainage, reticulation or treatment of stormwater, waste water or sewage;
- (f) Transportation infrastructure, including (but not limited to) roads, accessways, railways, airports and navigational aids;
- (g) Work to mitigate potential natural hazards, including (but not limited to) stopbanks, groynes and gabions; or
- (h) Meteorological facilities for the observation, recording and communication of weather information.

Utility Structure - includes any device, equipment or other facility which is used principally to house or support a utility including any antenna, mast, pole or pylon; or any structure housing a utility which is less than 10m² in gross floor area, or less than 2.5m in height.

Utility Building - includes any building or part of any building which is a utility or which is used principally to house or support a utility; and that building is $10m^2$ or more in gross floor area and 2.5m or greater in height.

Rural activity - means the use of land or building(s) for the purpose of growing or rearing of crops or livestock, including forestry, viticulture and horticulture and intensive livestock production and may include a dwelling.

District Plan Provision	Commentary
C5 Utilities	
Note –	The buildings and structures that are required for the solar array
Part C 5 – 2. The Rules in the Rural Volume of this Plan are applicable to activities generally, including	operations are covered by the utilities chapter these include:
utilities. However, the rules under Rule 3 Buildings, Rule 4 Roading and Rule 9.4 Scale of Non-	- Solar frames
Residential and Non-Rural Activities do not apply to utilities, except the following;	- Inverters
Rule 3 Buildings	- Batteries
- Rule 3.15.1 Relocated Buildings	
- Rule 3.9.1.1 Access and Parking	Because the storage containers and Site Office are not directly
- Rule 3.13.1.2 Line of sight – railway crossings	required for the operations of the solar array, these are

Rule 4 Roading	considered to fall outside the definitions of utility structure and
 Rules 4.5.1.2 – 4.5.1.5 Roads, Accessways and Vehicular Crossings. 	utility building and therefore need to be assessed as rural
- Rules 4.6 Parking	buildings. The relevant rules for these buildings are set out at the
- Rule 4.1.1 Outstanding Landscapes	end of the table below.
 5.1.2 Any utility which meets the following provisions shall be a permitted activity: 5.1.2.3 Any transformer, line or wire does not exceed a voltage of 110kV or a capacity of 100 MVA per circuit. 5.1.2.4 The utility is not used for the generation of energy, apart from the generation of energy for use on the same site, or to enable continued supply during emergencies, maintenance or repairs. (This rule does not apply to solar, wind or petroleum based powered generators used to generate energy for use only on the site on which they are located). 5.1.3 Any activity which does not comply with Rules 5.1.2.2–5.1.2.6 shall be a discretionary activity. 	The solar array will generate electricity that will not be used on the Site and therefore will be a Discretionary Activity under Rule 5.1.3. No transformers or lines are required as part of this proposal.
5.2 Height and setbacks 5.2.1 Erecting any utility building, or any addition or alterations to, or modification or demolition of	The Site Office will be approximately 2.6m in height. The four 40ft shipping containers will be approximately 2.59m in
any utility building, if all of the following conditions are met:	height.
5.2.1.1	
The height of the utility building shall not exceed 12 metres. For Rule 5.2.1, the height of any utility building shall be measured from ground level at the base of the utility building, to the highest point on the building, but excluding any chimney, mast, aerial, or other structure	All of the proposed buildings will comply with the 12m height limit.
which is attached to the outside of the utility building.	All buildings will comply with the minimum setback
5.2.1.2	requirements and applicable recession planes. At the closest
The utility building is set back a minimum distance of 10 metres from a strategic road, 5	point the Site Office building will be at least 100m from the
metres from any other road, and 1 m from any property boundary.	boundary. All other buildings will be located more than 50m
5.2.1.3	from site boundaries, and therefore all buildings will have ample
The utility building is positioned so that it complies with the recession plane angles in Part E, Appendix 16.	setbacks from the site boundaries.
	The proposed buildings are therefore a Permitted Activity .
5.2.2	, , , , , , , , , , , , , , , , , , ,

Any utility building which does not comply with Rule 5.2.1 shall be discretionary activity.

5.3 Height and utility structures	The maximum height of the solar panels/frames will be between
5.3.1 Any utility structure which complies with all of the following conditions shall be a permitted	0.5 and 3m above ground level.
activity:	The single Skid Inverter will be approximately 2.25m in height.
5.3.1.1	The Twin Skid Inverter will be approximately 2.35m in height.
The height of the utility structure shall not exceed 25m;	
5.3.1.2	Therefore, the structures will comply with the maximum height
Any pole or mast shall not exceed 500mm in diameter beyond a height of 6m above ground	of 25m.
level.	
5.3.1.3	No poles or masts are proposed.
If any pole or mast exceeds 500mm in diameter beyond a height of 6m above ground level, it	
shall comply with the recession planes in Part E, Appendix 16.	Therefore, the activity will meet the applicable conditions in Rule
(For the avoidance of doubt, 5.3.1.2 and 5.3.1.3 do not apply to cross arms or antenna, except	5.3.1 and is a Permitted Activity .
dish antenna).	
5.8.1 In any area shown on the Planning Maps as a flood area, any utility structure which is not	Not applicable - The Site is not located in a flood area in the
located in a position or designed in such a way that it would:	Operative District Plan maps. However, the solar panels will be
5.8.1.1	located at least 500mm above ground level and therefore will
Divert, or displace, any floodwater; or	not impede flood waters.
5.8.1.2	
Impede or alter the existing drainage pattern of the land;	
Shall be a permitted activity.	
5.9.1 Any new utility building which is not erected in any of the following areas shall be a permitted	Not applicable - The Site is not located in any of these areas.
activity:	
5.9.1.1	
Any area shown on the Planning Maps as the Waimakariri Flood Category A area;	
5.9.1.2	
Seaward of the Coastal Hazard 1 Line as shown on the Planning Maps;	
5.9.1.3	
Between any waterbody and any stopbank designed to contain floodwater from that waterbody; and	
5.9.1.4	
The area shown on the Planning Maps as the Lower Plains flood or ponding areas; unless a	
minimum building floor level 300m above a 2% Annual Excedence Probability (AEP) hazard	
event is identified;	
5.9.1.5	
J.J.I.J	

The area shown on the Planning Maps as the Lake Ellesmere/Te Waihora flood area, unless a minimum building floor level of 3m above mean sea level (Lyttleton Datum 1937) is identified.	
5.10.1 Any utility structure which meets the following conditions shall be a permitted activity: 5.10.1.1 n/a – applies to Silent File Areas only.	The Site contains a Wāhi Taonga Management Area - C59
5.10.1.2 n/a – applies to Silent The Albas Siny. 5.10.1.2 n/a – applies only to Wāhi Taonga Management Area C39(a). 5.10.1.3 Within any area listed in <u>Appendix 5</u> and shown on the Planning Maps <u>as a Wāhi Taonga Site</u> or any Wāhi Taonga Management Area not listed in 5.10.1.2, <u>the construction</u> , maintenance, upgrading or replacement <u>of any utility structure does not involve</u> the disturbance, damage to, removal or destruction of any object, artefact or other symbol of pre-European settlement, occupation or use of that site; and 5.10.1.4 n/a – applies to Mahinga Kai sites only.	No earthworks within the Wāhi Taonga Management Area - C59 are proposed, and a 50m buffer around this site is proposed to further ensure the site is avoided, therefore the proposal is a Permitted Activity under these provisions.
$5.10.2$ Any activity which does not comply with <u>Rules $5.10.1.1$</u> to $\underline{5.10.1.4}$ shall be a restricted discretionary activity.	
 5.11.1 Any utility building which meets the following conditions shall be a permitted activity: 5.11.1.1 – n/a applies to Silent File Areas only. 5.11.1.2 – applies only to Wāhi Taonga Management Area C39(a). 5.11.1.3 In any area listed in Appendix 5 and shown on the Planning Maps as a Wāhi Taonga Site or any Wāhi Taonga Management Area not listed in 5.11.1.2, the construction, maintenance, upgrading or replacement of the building does not involve the disturbance, damage to, removal or destruction of any object, artefact or other symbol of pre-European settlement, occupation or use of that site. 5.11.1.4 n/a – applies to Mahinga Kai sites only. 5.11.2 Any activity which does not comply with Rules 5.11.1.1 to 5.11.1.4 shall be a restricted discretionary activity. 	No buildings are proposed within Wāhi Taonga Management Area - C59, therefore the proposal is a Permitted Activity under these provisions.
5.13.1 Any utility building which is setback at least the following minimum distances shall be a permitted activity: 5.13.1.1 100m from the edge of any lake or any wetland which adjoins a lake; and 5.13.1.2 20m from the edge of any waterbody listed in Appendix 17 other than a lake; and 5.13.1.3	Waterbody means fresh water or geothermal water in a river, lake, stream, pond (but excluding any artificial pond), wetland or aquifer or any part therefore that is not located within the coastal marine area. The terms "river", "lake" and "wetland" are also defined in this Plan. There is a water race situated within the road reserve adjacent to the road boundary with Branch Drain Road, Buckleys

10m from the edge of any other waterbody (excluding aquifers).	Road. However, water races are not defined as a water body. Therefore, this rule does not apply.
5.13.2 Any utility structure which is setback at least the following minimum distances shall be a permitted activity:	
5.13.2.1	
100m from the edge of any lake; and	
5.13.2.2	
20m from the edge of any waterbody listed in $\underline{\text{Appendix }17}$ other than a lake; and 5.13.2.3	
10m from the edge of any other waterbody (excluding aquifers).	
Earthworks	
Notes	Trenches of 1m depth are required to install the cables
1. Rule 1 – Earthworks, does not apply to any of the following activities, except where the provisions	connecting the solar panels together, and from the solar array
of Rule 1.6 (Earthworks and Protected Trees) apply:	into the Brookside Substation. Piling up to 1.8m depth is also
 Tending or landscaping of gardens, lawns or public spaces; 	required to install the poles that support the frames for the sol
Digging post holes;	panels. The array will be set back 10m from the road boundari
 Drilling bores, except in Wāhi Taonga Management Area C39(a); 	and the water race that runs along one the road boundaries.
 Planting trees or removing dead or diseased trees; 	
Cultivation;	In total approximately 63.2m³/ha or 7,020.5m³ of earthworks i
Burying Pets;	required to construct the solar array.
Trenching compost;	
 Earthworks required to duct cables except in Wāhi Taonga Management Area C39(a). 	No works are proposed within the Wāhi Taonga Management
1. Earthworks affecting any archaeological site, Silent File Area, Wāhi Taonga Management Area or	Area C59.
Wāhi Taonga Management Site may require an archaeological authority from the New Zealand	
Historic Places Trust Pouhere Taonga (refer to Part B, Section 3.3 Archaeological Sites).	
1.2.1 Any earthworks which meet the following condition shall be a permitted activity:	Not applicable - The Site is not contaminated.
1.2.1.1 Any soil or earth to be removed from the site is not contaminated.	
1.3.1 Any earthworks which meet the following conditions shall be a permitted activity:	No earthworks are proposed within the Wāhi Taonga
1.3.1.1 – n/a applies to Silent File Areas only.	Management Area - C59 and therefore the proposal is a
1.3.1.2 – n/a applies to Wāhi Taonga Management Area C39 only.	Permitted Activity under these provisions.
1.3.1.3	
In any area listed in Appendix 5 and shown on the Planning Maps as a Wāhi Taonga Site or	
any Wāhi Taonga Management Area not listed in 1.3.1.2, the earthworks do not involve the	
disturbance, damage to, removal or destruction of any object, artefact or other symbol of	
pre-European settlement, occupation or use of that site;	

1.3.1.4 – n/a applies to Mahinga Kai sites only.

Activities that cannot comply with Rule 1.3.1 will be restricted discretionary activity.

1.7.1 Any earthworks which meet the following conditions shall be a permitted activity:

1.7.1.1

The earthworks are set back at least 20m from the edge of any waterbody (excluding aquifers):

- (a) unless the earthworks are those undertaken within a road reserve and are for the purpose of installing underground network utility infrastructure; or
- (b) except that for rivers the following earthworks are subject to a reduced setback of 5m:
 - (i) 100m² (area) per 1000 metres in any continuous 5 year period; and
 - (ii) 40m³ (volume) per 1000 metres in any continuous 5 year period; or
 - (iii) any earthworks which has been granted resource consent for a discretionary or non-complying activity from the Canterbury Regional Council; or
 - (iv) maintenance of existing fencelines, existing vehicle tracks and existing crossings.

1.7.1.2

The earthworks do not exceed:

- (a) A vertical cut face where no more than 5% of the total vertical cut is over 2m; and
- (b) A maximum volume of 5000m³ per project.

1.7.1.3

When the earthworks cease, the site is:

- (a) Filled and recontoured to the same state as the surrounding land; and
- (b) Replanted with vegetation which is the same as, or of similar species to, that which existed on the site prior to the earthworks taking place, except that where the site was vegetated with any plant pest, the site may be replanted with other species.

Note: Rule 1.7.1.3 does not apply to earthworks associated with the preparation of building sites, roads or tracks or sites prepared for planting trees or other crops.

1.7.1.4

Any stockpiling of earth, soil or other material within 100m of any dwelling, other than a dwelling erected on the same property as the earthworks, is to be kept moist and consolidated.

Earthworks that do not comply with Rule 1.7.1.4 are restricted discretionary. Earthworks that do not comply with Rules 1.7.1.1, 1.7.1.2 or 1.7.1.3 are discretionary activity.

The total volume of earthworks will exceed 5,000m³

The earthworks are minimal in scale, being piles and trenches. The trenches will be filled and recontoured to the same state as the surrounding land; and grassed as per the remainder of the Site.

As the earthworks will exceed 5,000m³, consent is required as a **Discretionary Activity**.

C3 – Rural Buildings	
3.15.1 Any relocated building which meets any one of the following conditions shall be a permitted	A Site office and containers will be relocated onto the Site and
activity:	the office will remain permanently on the Site therefore consent
3.15.1.1	is required as a Controlled Activity .
The relocated building is a garage or other accessory building; or	
3.15.1.2	
The relocated building is being shifted from one site to another site within the same	
property; or	
3.15.1.3	
The relocated building is for a temporary activity on the site and will be removed from	
the site within two days of the activity ceasing; or	
3.15.1.4	
The relocated building is to provide temporary accommodation during the time a	
construction project is taking place on the site and will be removed from the site within the	
lesser time period of 12 calendar months or the construction project ceasing.	
3.15.1.5	
The building is being relocated within or between schools.	
Note: Relocated building is defined in <u>Part D</u> of the Plan. It does not include a new building designed	
or intended to be used on the site but which is erected off-site and transported to the site in whole or	
parts.	
The construction and use of a relocated building that does not meet any of these conditions is a controlled activity under Rule 3.15.4.	
Rule 3.13.1.2 No building is positioned so that it encroaches into the line of sight for any railway	This rule is not applicable as there are no railway crossings in the
crossing as shown in Appendix 11.	vicinity of the Site.
Vehicle accessways and vehicle crossings	
4.5.1.2	It is proposed to upgrade an existing vehicle access point from
Any vehicle accessway is formed to the relevant design and formation standards set out in <u>Appendix</u>	Branch Drain Road to meet the standards for heavy vehicles in
<u>E10.2</u> .	Appendix E10.2. As such the proposal is a Permitted Activity in terms of these rules.
4.5.1.3	
Any vehicle accessway complies with the relevant separation and sight distance standards set out	
in Appendix E10.2.	
4.5.1.4	

Any vehicle crossing which has a gate positioned across the vehicle crossing, has the gate either opening inwards towards the property and away from the road; or setback a minimum distance of 10 metres from the road boundary;	
 4.5.1.5 Any vehicle crossing providing vehicle access to a sealed road is sealed: (a) The full length of the vehicle crossing (from the edge of the sealed carriageway to the road boundary of the property), or; (b) For the first 10 metres from the sealed carriageway. 	
Activities that do not comply with Rule 4.5.1.6 will be restricted discretionary.	
Activities that do not comply with any other conditions will be discretionary.	
Car parking, vehicle manoeuvring, accessibility parking, and traffic generation	
 4.6.1 Any activity in the Rural Zone which provides car parking in accordance with the following standards shall be a permitted activity. 4.6.1.3 For any other activity: (a) all car parking associated with an activity must be located either on-site or on land adjoining the site and not on the road reserve; and (b) all loading (including unloading) associated with an activity must be undertaken on-site or on land adjoining the site and not within the road reserve; and 4.6.1.4 All carparking and loading areas shall comply with all standards set out in Appendix E10.1. 	Twelve car/minibus parks will be provided within the ample space provided on-site. As such the proposal is a Permitted Activity in terms of this rule.
Activities that do not comply with this rule are discretionary under Rule 4.6.7.	
4.6.2 Any activity on a site which has a vehicle manoeuvring area of sufficient size to enable any vehicle to turn on the site and not have to reverse onto the road shall be a permitted activity if: 4.6.2.1 The site is used for any activity other than residential activities; or 4.6.2.2 The site has access to a State Highway or an arterial road listed in Appendix 9.	The Site will have a vehicle manoeuvring area of sufficient size to enable any vehicle to turn within the Site and not have to reverse onto the road and will be a Permitted Activity .
Activities that do not comply with this rule are non-complying under Rule 4.6.8.	
C9 – Activities	

9.6.1	The Site is not contaminated; therefore, this rule is not
Any activity on land which is contaminated shall be a permitted activity provided that none of the	applicable.
following activities are undertaken on that land:	
9.6.1.1	
Erecting any dwelling or undertaking residential activities;	
9.6.1.2	
The use of land for educational activities or erecting any educational facilities;	
9.6.1.3	
Outdoor recreation activities; and	
9.6.1.4	
Growing or rearing of food crops or livestock;	
Restricted Discretionary – Rule 9.6.2 if it cannot comply with conditions listed.	
9.12.1	Twelve car/minibus parks will be provided within the ample
The activity shall comply with the rules for carparking, vehicle crossings, vehicle access and egress set	space provided on-site. As such the proposal is a Permitted
out in Rule 4, and Appendix 10 for specific provisions applying to State Highways to be a permitted	Activity in terms of this rule.
activity.	
Default Activity — Carparking, Vehicle Crossings, Access and Egress	
9.12.2	
Any activity which does not comply with Rule 9.12.1 shall have the status set out in Rules	
4.4 to 4.6 for the rules(s) with which it does not comply.	
9.13.1	The proposal will meet the 60 ecm/d (equivalent car movements
Any activity which does not exceed the following maximum number of vehicle movements shall be a	per day) per site both during construction and once operational
permitted activity:	given the nature of the solar farm as an inherently passive
	activity with minimal activity on-site. As such the proposal is a
9.13.1.2	Permitted Activity in terms of this rule.
Road Formed, Sealed and maintained by Council:	•
(a) State Highway and Arterial Roads (as identified in Appendix 9): 30 ecm/d per site averaged	
over any one week period).	
b) Local and Collector Roads: 60 ecm/d per site (averaged over any one week period).	
9.13.1.3	
Road Formed, Unsealed and maintained by Council:	
(a) 60 ecm/d per site (averaged over any one week period).	

Discretionary if com	pliance not achi	eved.	
the noise limits and activity: Table C9.3 – Noise li	within the time imits assessed a ucational facility	any activity shall be conducted so as to comply with frames stated in the following tables in order to be a permitted the notional boundary of any dwelling, rest home, hospital, or except where that dwelling, rest home, hospital or classroom is	The solar farm, when operating, will meet the permitted noise standards. Construction noise will be managed under the relevant NZ Standard as it will only occur for 12 months (and is therefore a temporary activity under the definition in the Operative SDP.
Hours 7.30am – 8.00pm	Noise Limit 60 dBA L ₁₀ 85 dBA L _{max}		The proposal will therefore be a Permitted Activity under these provisions.
8.01pm – 7.29am	45 dBA L ₁₀ 70 dBA L _{max}		
9.16.2 Any activity which d	loes not comply	with Rule 9.16.1 shall be a discretionary activity.	
9.18.1	hown on the Dia	nning Mans as the West Melton Observatory Lighting Area, any	No external lighting is proposed on the Site.
activity which involving the spill not exceed 9.18.1.1 10-lux spill on which does not 9.18.1.2	ves lighting shall ding: to any part of ai ot contain a dwe	nning Maps as the West Melton Observatory Lighting Area, any be a permitted activity provided that the activity has a maximum by adjoining property which is located in a Business zone and lling; and other adjoining property or any road reserve.	The proposal will therefore be a Permitted Activity under these provisions.
9.18.3			

Any activity which does not comply with Rule 9.18.1 or Rule 9.18.2 shall be a discretionary activity.	
9.19.1	Any stockpiling of earth, soil or other material will be located
Any stockpilling activity shall be a permitted activity provided that stockpiling of any soil, coal,	more than 100m from any dwelling on an adjoining property or
sawdust, powdered fertiliser or any other unconsolidated material outdoors within 100m of	the stockpile can be covered, consolidated or otherwise secured
a dwelling (other than a dwelling on the same property as the stockpiled material), is either:	to mitigate windblown dust on to adjoining properties.
9.19.1.1	
Covered; or	The proposal will therefore be a Permitted Activity under these
9.19.1.2	provisions.
Consolidated; or	
9.19.1.3	
Otherwise secured to mitigate windblown dust on to adjoining properties.	
Discretionary under Rule 9.12.2 if cannot comply with conditions.	
9.21.1	No clearance of indigenous vegetation will be required, as
The clearance of indigenous vegetation and indigenous plant species shall be a permitted activity	outlined in the Ecological Assessment provided. As such the
provided that all of the following conditions are met:	proposal is a Permitted Activity in terms of this rule.
9.21.1.1	
The indigenous plant species are not listed in Appendix 13 (Schedule of Threatened and	
Uncommon Plants);	
9.21.1.2	
For clearance of indigenous plant species on the Canterbury Plains, the species is not contained	
in Appendix 14 (Schedule of Regionally Significant Plants on the Canterbury Plains);	
9.21.1.3	
The indigenous vegetation is not located above 900m above mean sea level;	
9.21.1.4	
The indigenous vegetation is not located in a naturally occurring wetland;	
9.21.1.5	
The indigenous vegetation clearance does not exceed 100m ² per hectare in any continuous 3	
year period within a distance of 20m of any lake, any naturally occurring wetland or any river or	
stream; and	
0.24.4.6	
9.21.1.6	

No clearance of indigenous vegetation shall exceed:

- (a) 5,000m² in area on any site in any continuous period of three years, except where the vegetation clearance is carried out within an area of improved pasture; or
- (b) 500m² in area in any continuous period of three years, where the indigenous vegetation has a closed canopy over that area and the average height of that canopy is greater than or equal to 3m; or
- (c) $500m^2$ in area of matagouri (in one continuous block of indigenous vegetation), in any continuous period of three years, where the average height of the canopy of the matagouri is greater than or equal to 1.5m; or;
- (d) 1,000m² of Chionochloa spp (tall tussock) in any continuous period of three years, except where this occurs as a secondary component within an area of improved pasture.

9.21.2

Rule 9.21.1 does not apply to the following:

9.21.2.1

Vegetation which was planted for harvesting, shelter belt or amenity purposes;

Discretionary under Rule 9.21.3 if activity does not comply with Rule 9.21.1.5 or Rule 9.21.1.6.

Non-complying if activity does not comply with Rules 9.21.1.1, 9.21.1.2, 9.21.1.3, 9.21.1.4.

Partially Operative Selwyn District Plan

Overlays applying to site	Zone
Plains Flood Management Overlay	General Rural
Liquefaction Damage Unlikely Overlay	
Specific Control Area: East Plains/ Te Waihora ki Waimakariri.	

Definitions:

Renewable Electricity Generation: Generation of electricity from solar, wind, hydro-electricity, geothermal, biomass, tidal, wave, or ocean current energy sources.

Renewable Electricity Generation Activities: The construction, operation, maintenance, and upgrading of structures associated with renewable electricity generation. This includes small and community-scale distributed electricity generation activities and electricity conveyance to the distribution network and/or the national grid and electricity storage technologies associated with renewable electricity.

POSDP Provision	Commentary
Energy and Infrastructure	
EI – Energy and Infrastructure	The Proposal is for a renewable electricity generation activity that comprises panels, skid inverters, site office, storage
E1-R31 Other Renewable Electricity Generation and Renewable Electricity Generation Activities	buildings and a future battery site. These activities fall within
Activity Status: DIS	the definition of 'Renewable Electricity Generation Activities', being structures associated with the activity.
 The establishment of a new, or expansion of existing renewable electricity generation, or a renewable electricity generation activity not provided for elsewhere. 	As such, there is no requirement to consider any other rules related to buildings and structures.
	The renewable electricity generation activity is a Discretionary Activity .
TRAN-R4 VEHICLE CROSSINGS	The vehicle crossing is not located in proximity to an intersection with a State Highway or arterial road.
Activity status: PER	
1. The establishment of a vehicle crossing	However, during the construction phase the activity will generate more than will be 60 vehicle movements per day.
Where:	(averaged over a week).
 The vehicle crossing is located no closer to an intersection with a State Highway or arterial ro than: 	ad The proposal is therefore a Restricted Discretionary Activity under Rule TRAN R4-2.
i. 60m to the departure side of any intersection; andii. 30m to the approach side of any intersection; and	
ii. Soin to the approach side of any intersection, and	

- b. The vehicle crossing does not service any:
 - i. Service station; or
 - ii. Truck stop; or
 - iii. Activity that generates more than 40vm/d or, in PREC11 Rural Services Precinct, 250vm/d.

And this activity complies with the following rule requirements:

TRAN-REQ2 Access restrictions.

TRAN-REQ3 Number of vehicle crossings.

TRAN-REQ4 Siting of vehicle crossings.

TRAN-REQ5 Vehicle crossing design and construction.

TRAN-REQ6 Vehicle crossing surface.

Activity status when compliance not achieved:

2. When compliance with any of TRAN-R4.1 is not achieved: RDIS

Matters for discretion:

- 4. The exercise of discretion in relation to TRAN-R4.2 is restricted to the following matters:
 - a. TRAN-MAT2 Vehicle crossings.

TRAN-R6 PARKING, MANOEUVRING AND LOADING AREAS

Activity Status: PER

3. Any parking, manoeuvring and loading areas associated with any activity that is not a residential activity.

Where the activity complies with the following rule requirements:

TRAN-REQ8 Location of parking spaces

TRAN-REQ9 On-site parking – Does not apply to the GRUZ Zone.

TRAN-REQ10 Mobility parks.

It is proposed to provide car parking, manoeuvring and loading areas within the Site.

It is proposed for car parking to be accommodated informally well within the Site, away from road boundaries, site boundaries and dwellings. This will also ensure that heavy vehicles can park clear of the road to load/unload materials and not reverse out onto Branch Drain Road. Furthermore, car parking will generally not be required post construction as the Site will only be visited once per month.

The proposal meets all the relevant rule requirements and is therefore a **Permitted Activity** under Rule TRAN-R6.

TRAN-REQ11 Cycle parks and facilities - Does not apply to the GRUZ Zone.	
TRAN-REQ12 Vehicle loading areas - Does not apply to the GRUZ Zone.	
TRAN-REQ13 Parking and loading gradients.	
TRAN-REQ14 Access gradients.	
TRAN-REQ15 Queuing spaces - Does not apply to the GRUZ Zone.	
TRAN-REQ16 Vehicle manoeuvring.	
TRAN-REQ17 Surface of parking and loading areas.	
TRAN-REQ28 Landscape Strip for Parking Areas - Does not apply to the GRUZ Zone.	
TRAN-REQ8 Location of parking spaces	All car parking for light and heavy vehicles will be provided within the Site.
7. All car parking associated with any activity shall be wholly on the same site where the activity operates, or on an adjoining site.	The proposal therefore complies with TRAN-REQ8.
Activity status where compliance is not achieved:	
8. When compliance with any of TRAN-REQ9.7 is not achieved: RDIS	
TRAN-REQ10 Mobility parks 1. All activities shall provide the following number of mobility parking spaces:	There will be 12 car parks for staff vehicles during construction and one mobility park can be provided given the informality of the parking area.
 a. One mobility parking space is provided with the first 20 vehicle parking spaces; b. Not less than two mobility parking spaces is provided for up to 49 vehicle parking spaces; and c. One additional mobility park space for every additional 50 parking spaces is provided. 	The proposal therefore complies with TRAN-REQ10.
2. All mobility parks shall comply with the design requirements listed in TRAN-TABLE10 - Minimum parking area dimensions and illustrated in (DIAGRAM13) - Parking area formation dimensions.	
Activity status where compliance is not achieved:	
3. When compliance with any of TRAN-REQ10.1 or TRAN-REQ10.2 are not achieved: RDIS	
TRAN-REQ13 Parking and loading gradients 1. The gradient for any on-site parking or loading area surface for any non-residential activity is no	The gradient of the parking and unloading area will be less than 1:16 (6.25%) at 90° to the angle of the vehicle park; and 1:20 (5%) when parallel to the angle of the vehicle park as the Site is relatively flat.

more than:	The way 111 C 11 TRANSCOOK
 a. 1:16 (6.25%) at 90° to the angle of the vehicle park; b. 1:20 (5%) when parallel to the angle of the vehicle park; 	
Activity status where compliance is not achieved:	
2. When compliance with any of TRAN-REQ13.1 is not achie	eved: RDIS
TRAN-REQ14 Access gradients	The maximum gradient of the access to the parking area will
1. The maximum gradient for any access to a parking area is	be less than 1:4 (25%) and the access will be 20 metres or less as the Site is relatively flat.
 a. 1:4 (25%) on any straight section up to 20m in lengt b. 1:5 (20%) where longer than 20m in length; and c. 1:6 (16.7%) around curves when measured on the ir 2. The maximum change in gradient without a transition is r 3. Changes of grade of more than 1:8 (12.5%) are separated 	nside line of the curve. no greater than 1:8 (12.5%).
Activity status where compliance is not achieved: 4. When compliance with any	
TRAN-REQ16 Vehicle manoeuvring 1. All activities shall provide sufficient on-site manoeuvring either onto or off a site which has access: a. To a State Highway or arterial road; or b. To a collector road where three or more vehicle par c. To an accessway that serves a site with six or more vehicle operates and loading areas are formed so that vehicle operates one reverse manoeuvre to exit the parking space or loading	rking spaces are provided; or vehicle parking spaces. The proposal therefore complies with TRAN-REQ16. Trators do not need to undertake more than

Activity status when compliance is not achieved:	
3. When compliance with TRAN-REQ16.1.a is not achieved: NC	
3A When compliance with TRAN-REQ16.1.b or TRAN-REQ16.1.c is not achieved: RDIS	
4. When compliance with TRAN-REQ16.2 is not achieved: RDIS	
TRAN-REQ17 Surface of parking and loading areas 6. Any vehicle parking or loading areas expected to be used by vehicles accessing the educational facility or activity involving the retailing of goods and services to the public shall be either metalled or sealed.	The activity is not an educational facility, and neither will it rerail goods and services to the public. The proposal therefore complies with TRAN-REQ17.
EW EARTHWORKS	The earthworks meet the relevant rule requirements; therefore, the proposal is a Permitted Activity under Rule
EW2 Earthworks	EW2.1
Activity status: PER	
1. Earthworks not subject to any of EW-R1, EW-R5A or GRUZ-R21	
Where this activity complies with the following rule requirements:	
EW-REQ1 Volume of Earthworks	
EW-REQ2 Maximum Slope Gradient	
EW-REQ3 Excavation and Filling	
EW-REQ4 Rehabilitation and Reinstatement	
EW-REQ5 Bunding	
NH-REQ4 Natural Hazards and Earthworks	
ECO-REQG Earthworks and Ecosystems and Indigenous Biodiversity	
NFL-REQ9} Earthworks in ONL and VAL	
CE-REQ5} Earthworks in the Coastal Environment	
Activity status when compliance not achieved:	
2. When compliance with any rule requirement listed in this rule is not achieved: Refer to relevant	

rule requirement.		
EW-REQ1 Volume of Earthworks 1. The volume of earthworks is not to exceed the threshold outlined in EW-TABLE1: Earthworks Volumes by Zone over any consecutive twelve month period. Note: for ONL and VAL Overlays see the Natural Features and Landscapes Chapter. EW-TABLE1: General Rural Zone: 250m³ per hectare of site area. Activity status when compliance not achieved: 2. When compliance with EW-REQ1.1. is not achieved: RDIS	The Site is 111 hectares, which means that 27,750m³ of earthworks can be undertaken. It is proposed to undertake approximately 7,020.5m³. Therefore, the proposal meets EW-REQ1.	
EW-REQ2 Maximum Slope Gradient Earthworks are not to be carried out on land with a slope gradient greater than 1 in 4.	The Site is relatively flat therefore earthworks will not be carried out on land with a slope gradient greater than 1 in 4. Therefore, the proposal meets EW-REQ2.	
Activity status when compliance not achieved: 2. When compliance with EW-REQ2.1. is not achieved: RDIS		
 EW-REQ3 Excavation and Filling Earthworks, excluding those earthworks associated with offal pits, shall not exceed a maximum depth below or height above natural ground level of: 2m, when 1.5m or more from the boundary of a site in separate ownership; or 0.5m, when within 1.5m of the boundary of a site in separate ownership. All filling of land, excluding those earthworks associated with offal pits, shall consist of cleanfill material only. Activity status when compliance not achieved: When compliance with any of EW-REQ3.1 or EW-REQ3.2 is not achieved: RDIS 	All earthworks will be setback more than 1.5 metres from a site boundary and comprise: • driving piles of approximately 1.8m in depth which will support the frames of solar panels; • trenching of up to 1m depth to lay the cables which connect the frames of solar panels together and to the inverters, and also connect the solar array to the Brookside Substation; and • minimal topsoil disturbance to prepare areas for the relocatable buildings, inverters, and future battery sites. • spreading of gravel to form internal tracks, where required. The only filling is the spreading of gravel, which will be clean.	
	Therefore, the proposal meets EW-REQ3.	

	I		
W-REQ4 Rehabilitation and Reinstatement	The earthworks will be minimal as all the trenches will be filled		
No more than twelve months after the earthworks commenced and on completion of the earthworks, the area of land disturbed as a result of earthworks activities is to be built upon, sealed with hardstand material, landscaped, or recontoured and replanted. This requirement does not apply to earthworks associated with offal pits.	and sown with grass and gravel will be placed over the tracks well within 12 months of the earthworks commencing. Therefore, the proposal meets EW-REQ4.		
Activity status when compliance with not achieved:			
2. When compliance with any of EW-REQ4.1. is not achieved: RDIS			
EW-REQ5 Bunding	It is not proposed to construct earth bunds.		
1. Earth bunds for noise attenuation or screening are no more than 3m in height.	Therefore, the proposal meets EW-REQ5.		
NH-REQ4 Natural Hazards and Earthworks	The earthworks are so minimal and do not require large areas		
 The activity does not exacerbate flooding on any other property by displacing or diverting floodwater on surrounding land. 	of cut and fill or bunding or a change to the existing ground level on the Site. Therefore, the earthworks will not exacerbate flooding on any other property by displacing or diverting floodwater on surrounding land.		
Activity status when compliance not achieved:			
2. When compliance with any of NH-REQ4.1 is not achieved: RDIS	The proposal meets NH-REQ4.		
Matters for discretion:			
3. The exercise of discretion in relation to NH-R4.2. is restricted to the following matters:			
NH-MAT1 Natural Hazards Generally			
NH-R2 NEW BUILDINGS AND STRUCTURES IN NATURAL HAZARD OVERLAYS	The flood depths on the Site as follow:		
Activity Status: PER	 200 year ARI rainfall flood depth – maximum 0.5 to 1 metre. 		
3. The establishment of any new residential unit or other principal building.	• 500 year ARI rainfall flood depth – maximum 0.5 to 1		
Where:	metre.		
a. The building is not located in a high hazard area; andb. The building is not located between any surface water body and any stopbank designed to contain floodwater from that surface water body; and	500 year ARI Selwyn River flood depth – less than 0.2 metres.		
	 500 year ARI rainfall hazard – less than 0.8 metres. 		

c. The building finished floor level is equal to or higher than the minimum floor level stated in a Flood Assessment Certificate issued in accordance with NH-SCHED1 Flood Assessment Certificates.

• 500 year ARI Selwyn River hazard – less than 0.8 metres.

Activity status when compliance not achieved:

- 4. When compliance with any of NH-R2.3.a. or NH-R2.3.b. is not achieved: NC
- 5. When compliance with any of NH-R2.3.c. is not achieved: RDIS

Matters for discretion:

- 6. The exercise of discretion in relation to NH-R2.5. is restricted to the following matters:
- a. NH-MAT1 Natural Hazards Generally

The inverters and batteries will sit on steel skids, which will be mounted on either piles (steel or concrete) or a concrete slab. This means that they will be 1m above the ground and consequently above the 200-year and 500-year rainfall ARI and the 500-year ARI Selwyn River flood depth.

The panels will be between 3.2 and 0.5 metres (at maximum tilt) above ground level but can be tilted to 1.8m to be stored above anticipated water levels in the event of a flood. Furthermore, the panels are sealed from the outside environment and can get wet.

Further, a Flood Assessment Certificate will be sought from SDC in accordance with NH-SCHED1 Flood Assessment Certificates.

Therefore, the proposal is a **Permitted Activity** under Rule NH-R2.

NOISE-RI ACTIVITIES NOT OTHERWISE SPECIFIED

Activity Status: PER

1. Any land use activity not listed elsewhere in NOISE-R1 that generates noise, unless any of NOISE-R2 - NOISE-R16 applies.

Where this activity complies with the following rule requirements:

NOISE-REO1 Zone Noise Limits

Activity Status when compliance not achieved:

2. When compliance with any rule requirement listed in this rule is not achieved: Refer to NOISE – Rule requirements

NOISE REQ1 Zone Noise Limits

1. Any activity that generates noise shall meet the noise limits of the zone of the site receiving noise from an activity, as set out in NOISE-TABLE5 - Zone Noise Limits.

324 Branch Drain Road will receive the highest noise levels, where the operational noise is expected to be up to 47 dB LAeq (15 min) (which is well within the POSDP noise limits) close to the northern façade of the dwelling. The noise levels inside the dwelling will be in the order of 10 to 17 dB lower (with windows open) than the external levels, depending on the aspect of the internal spaces.

Furthermore, operational noise will be limited to the following level (measured and assessed in accordance with NZS 6801:2008 and NZS 6802:2008 respectively), when received at the notional boundary of neighbouring dwellings:

Daytime (7:30 am to 8:00 pm) - 50 dB LAeq (15 minute)

The nominated LAeq based noise limit is more stringent than the POSDP noise limits but is consistent with the lower WHO threshold for the protection of residential amenity.

Therefore, the proposal is a **Permitted Activity** under Rule

Zone Noise Limits			
Zone of site generating noise	Zone of the site receiving noise	Assessment Location	Hours and Limits
GRUZ	GRUZ	At the notional boundary of any noise sensitive activity within any site receiving noise	0700 to 2200: 55 dB L _{Aeq} (15min) 2200 to 0700: 45 dB L _{Aeq} (15min) / 70 L _{AFmax}

NOISE-R1.

NOISE-R2 CONSTRUCTION ACTIVITIES

Activity Status: PER

1. Any construction activity

Where:

a. Any noise created by the use of explosives for construction activity does not exceed a peak sound pressure level of 120 dB Lzpeak measured 1m from the façade of any building containing a habitable room.

And this activity complies with the following rule requirements:

NOISE-REQ2 Construction Noise Limits.

NOISE-REQ2 Construction Noise Limits

1. Any activity that generates construction noise and any temporary military training activity where there is a mobile noise source shall meet the construction noise limits in NOISE-TABLE6 - Construction Noise Limits.

NOISE-TABLE6 Construction Noise Limits

Zone	Time of	Time period	Duration of work		
	week		Typical duration (Dba)	Short-term duration (Dba)	Long-term duration (Dba)
GRUZ	Weekday	0630-0730	$60 L_{eq} / 75 L_{max}$	65 L _{eq} / 75 L _{max}	55 L _{eq} / 75 L _{max}
	S	0730-1800	75 L _{eq} / 90 L _{max}	80 L _{eq} / 95 L _{max}	70 L _{eq} / 85 L _{max}
		1800-2000	$70 L_{eq} / 85 L_{max}$	75 L _{eq} / 90L _{max}	65 L _{eq} / 80 L _{max}
		2000-0630	45 L _{eq} / 75 L _{max}	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}

Noise from construction activity will comply with the construction noise limits as determined in the Acoustic Assessment prepared by acoustic engineering services (Appendix 15).

Therefore, the proposal is a **Permitted Activity** under Rule NOISE-R2.

Saturday	0630-0730	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}	45 L _{eq} / 75 L _{max}
S	0730-1800	$75 L_{eq} / 90 L_{max}$	80 L _{eq} / 95 L _{max}	70 L _{eq} / 85L _{max}
	1800-2000	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}	45 L _{eq} / 75 L _{max}
	2000-0630	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}	45 L _{eq} / 75 L _{max}
Sundays	0630-0730	$45 L_{eq} / 75 L_{max}$	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}
and	0730-1800	$55 L_{eq} / 85 L_{max}$	$55 L_{eq} / 85 L_{max}$	55 L _{eq} / 85 L _{max}
public	1800-2000	$45 L_{eq} / 75 L_{max}$	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}
holidays	2000-0630	$45 L_{eq} / 75 L_{max}$	$45 L_{eq} / 75 L_{max}$	45 L _{eq} / 75 L _{max}

SIGN-R1 GENERAL SIGNS

Activity Status: PER

- 1. Any sign:
- c. That is an official sign;

Official sign means all signs required or provided for under any statute or regulation or are otherwise related to aspects of public safety.

Activity status when compliance not achieved:

N/A

GRUZ-R25 SHELTERBELT

Activity Status: PER

1. The establishment of a new, or expansion of an existing shelterbelt.

Where this activity complies with the following rule requirements:

GRUZ-REQ16 Springfield Airfield Height Restriction.

EI-REQ23 West Melton Aerodrome Height Restriction.

EI-REQ24 Planting Setbacks Restriction near Significant Electricity Distribution Line.

NH-REQ7 Wildfire Setbacks.

Activity status when compliance not achieved:

All signs on the Site will be related to health and safety and ae therefore a **Permitted Activity** under Rule SIGN-R1.

It is proposed to plant gaps in the existing shelter belts and plant new shelter belts:

- setback 10m from Branch Drain Road.
- Adjacent to the boundary with 324 Branch Drain
 Road and the remainder of the southwest boundary.
- Adjacent to the southern and southeast boundaries.
- Most of the northern boundary including where the Site adjoins Buckleys Road.

None of the shelter belts will be located near Springfield Airfield, West Melton Aerodrome or a Significant Electricity Distribution Line.

2. When compliance with any rule requirement listed in this rule is not achieved: Refer to relevant rule requirements.

NH-REQ7 Wildfire Setbacks

- 1. Any new woodlot or shelterbelt shall comply with the following separation distances, measured from the outside extent of the canopy:
- a. 30m from any residential unit or other principal building on an adjoining property; and
- b. 30m from any zone that is not a rural zone; and
- c. 5m from any adjoining legally established accessway to a residential unit or other principal building.

Activity status when compliance not achieved:

2. When compliance with any of NH-REQ7.1. is not achieved: RDIS

Matters for discretion:

- 3. The exercise of discretion in relation to NH-REQ7.2. is restricted to the following matters:
- NH-MAT5.A Wildfire

Notification:

4. Any application arising from NH-REQ7.2. shall not be subject to public notification.

The shelter belts will all be located adjacent to rural zoned land or roads and will be more than 5m from any adjoining legally established accessway to a residential unit or other principal building.

The shelter belts will be 30m from the residential unit on 324 Branch Drain Road. The residential unit is, at its closest point, approximately 13 metres from the site boundary and the existing shelterbelt is about 2 metres deep and the shelterbelt will be planted 15 metres into the subject site.

The shelter belts adjoining 187 Buckleys Road will be 10 metres from the residential unit and at 115 Buckleys Road will be 20 metres from the residential unit.

The shelter belts are therefore a **Restricted Discretionary Activity** under Rule NH-REQ7.2.