Appendix 10 – Statutory Assessment

Operative Selwyn District Plan

Wāhi Taonga Management Site – C59 Outer P	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	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.
Any transformer, line or wire does not exceed a voltage of 110kV or a capacity of 100 MVA per	
circuit.	No transformers or lines are required as part of this proposal.
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.	
5.2 Height and setbacks	The Site Office will be approximately 2.6m in height.
5.2.1 Erecting any utility building, or any addition or alterations to, or modification or demolition of any utility building, if all of the following conditions are met:	The four 40ft shipping containers will be approximately 2.59m in height.
5.2.1.1 The height of the utility building shall not exceed 12 metres. For Pule 5.2.1, the height of gray.	All of the proposed buildings will comply with the 12m height
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	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 <u>Part E, Appendix 16</u> .	setbacks from the site boundaries.
Appendix 10.	

5.2.2

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

The proposed buildings are therefore a **Permitted 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;	

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:	The Site contains a Wāhi Taonga Management Area - C59
5.10.1.1 n/a – applies to Silent File Areas only.	
5.10.1.2 n/a – applies only to Wāhi Taonga Management Area C39(a).	C59 Ovens/Midden Near Buckleys Road RS 5974 Outer Plains 8
5.10.1.3 Within any area listed in <u>Appendix 5</u> and shown on the Planning Maps <u>as a Wāhi</u>	
<u>Taonga Site</u> or any Wāhi Taonga Management Area not listed in 5.10.1.2, <u>the construction</u> ,	No earthworks within the Wāhi Taonga Management Area - C
maintenance, upgrading or replacement <u>of any utility structure does not involve</u> the	are proposed, and a 50m buffer around this site is proposed t
disturbance, damage to, removal or destruction of any object, artefact or other symbol of pre-	further ensure the site is avoided, therefore the proposal is a
European settlement, occupation or use of that site; and	Permitted Activity under these provisions.
5.10.1.4 n/a – applies to Mahinga Kai sites only.	
5.10.2	
Any activity which does not comply with Rules 5.10.1.1 to 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:	No buildings are proposed within Wāhi Taonga Management
5.11.1.1 – n/a applies to Silent File Areas only.	Area - C59, therefore the proposal is a Permitted Activity und
5.11.1.2 – applies only to Wāhi Taonga Management Area C39(a).	these provisions.
5.11.1.3	
In any area listed in <u>Appendix 5</u> 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.	
5.13.1 Any utility building which is setback at least the following minimum distances shall be a	Waterbody means fresh water or geothermal water in a river,
permitted activity:	lake, stream, pond (but excluding any artificial pond), wetland
5.13.1.1	aquifer or any part therefore that is not located within the
100m from the edge of any lake or any wetland which adjoins a lake; and	coastal marine area. The terms "river", "lake" and "wetland"
5.13.1.2	also defined in this Plan.
20m from the edge of any waterbody listed in Appendix 17 other than a lake; and	There is a water race situated within the road reserve adjacer
5.13.1.3	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 <u>Appendix 17</u> 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 in
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
 Earthworks affecting any archaeological site, Silent File Area, Wāhi Taonga Management Area or 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). 	Area C59.
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	Vicinity of the site.
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 Appendix	Branch Drain Road to meet the standards for heavy vehicles in
E10.2.	Appendix E10.2. As such the proposal is a Permitted Activity in
<u> </u>	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.	
4544	
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	Twelve car/minibus parks will be provided within the ample
standards shall be a permitted activity.	space provided on-site. As such the proposal is a Permitted
4.6.1.3	Activity in terms of this rule.
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 $\underline{AppendixE10.1}.$	
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	The Site will have a vehicle manoeuvring area of sufficient size to
vehicle to turn on the site and not have to reverse onto the road shall be a permitted activity if:	enable any vehicle to turn within the Site and not have to reverse
4.6.2.1	onto the road and will be a Permitted Activity .
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.	
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.	
9.16.1			The solar farm, when operating, will meet the permitted noise
•		any activity shall be conducted so as to comply with	standards.
	within the time	frames stated in the following tables in order to be a permitted	
activity:			Construction noise will be managed under the relevant NZ
			Standard as it will only occur for 12 months (and is
		t the notional boundary of any dwelling, rest home, hospital, or	therefore a temporary activity under the definition in the
•	•	except where that dwelling, rest home, hospital or classroom is	Operative SDP.
located within a Livi	ing zone.		The proposal will therefore be a Permitted Activity under these
Hours	Noise Limit		provisions.
7.30am – 8.00pm	60 dBA L ₁₀		provisions.
·	85 dBA L _{max}		
8.01pm – 7.29am	45 dBA L ₁₀		
	70 dBA L _{max}		
9.16.2 Any activity which c	loes not comply	with Rule 9.16.1 shall be a discretionary activity.	
9.18.1			No external lighting is proposed on the Site.
•		nning Maps as the West Melton Observatory Lighting Area, any	
		be a permitted activity provided that the activity has a maximum	The proposal will therefore be a Permitted Activity under these
light spill not exceed	ding:		provisions.
9.18.1.1	to any nart of a	ay adjaining property which is leasted in a Dusiness zone and	
•	to any part of ar ot contain a dwe	ny adjoining property which is located in a Business zone and lling; and	
9.18.1.2			
3-lux spill on t	o any part of any	other adjoining property or any road reserve.	
9.18.3			

iling of earth, soil or other material will be located 100m from any dwelling on an adjoining property or le can be covered, consolidated or otherwise secured windblown dust on to adjoining properties. al will therefore be a Permitted Activity under these see of indigenous vegetation will be required, as the Ecological Assessment provided. As such the a Permitted Activity in terms of this rule.
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a Permitted Activity in terms of this rule.

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) 500m² 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.