

SUBSTATION MONTHLY INSPECTION

LS Power Grid California

Location: Orchard Sub

LSPowerGrid

Rev. 1.0

Patrolman: TANNER SISNEROS

Date: 7-24-25

Gate Locked

1. ARRESTORS

- A. Grounds
- B. Porcelain Damage
- C. Hardware
- D. Jumpers
- E. Other

2. CONTROL HOUSE

- A. HVAC
- B. Relay Targets
- C. HMI Alarms
- D. Lights / E-lights
- E. Cameras
- F. Overall Cleanliness
- G. Check AED
- H. Stabilizer
- I. Other

3. YARD

- A. Weeds
- B. Washouts
- C. Yard Lights
- D. Filter fabric visible
- E. Other

4. CT'S

- A. Oil Level / Leaks
- B. Porcelain Damage
- C. J-box
- D. Hardware
- E. Grounds
- F. Other

5. FENCE

- A. Grounds
- B. Gates
- C. Warning & Co. Signs
- D. Other

6. Breaker

- A. Annunciator
- B. Grounds
- C. Relay Targets
- D. Heaters
- E. Lights

7. Bus, Structures, Insulators

- A. Grounds
- B. Damage
- C. Rust
- D. Other

8. Ground Switch

- A. Coupled
- B. Locked
- C. Cabinet Clean
- D. Grounds
- E. Other

9. CVT / VT / SSVT

- A. Grounds
- B. Porcelain Damage
- C. Oil Level / Leaks
- D. J-box

10. SWITCHES

- A. Coupled
- B. Locked
- C. Cabinet Clean
- D. Numbering Visible

11. Major Equipment

- A. Birds Nests
- B. Paint Condition
- C. Other

12. Transformer

- A. Relay Targets
- B. Heaters
- C. Grounds
- D. Oil Leaks
- E. Fans
- F. Sump Pumps
- G. Other

17. Cooling System

- A. Check Levels
- B. Controller Alarms
- C. Leaks
- D. Pumps

18. Converter Room

- A. Grounds
- B. Fence
- C. Overheating
- D. Damage

SUBSTATION MONTHLY INSPECTION	
LS Power Grid California	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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[illegible]

COMMENTS:

[illegible]

BATTERY MONTHLY INSPECTION REPORT

LOCATION: Statcom 2

DATE:

Type: DIN 40736-1

Manufacturer:

BAE

Battery Bank 1

Battery Room Temp:

° F

Charger

Float Voltage:

Volts

Bank Voltage:

Volts

Float Amps:

Amps

of cells in bank:

60

LSPNER GRID

Verify all water levels are between the Max and Min lines:

Eye wash station fluid expired Yes or No:

Verify any corrosion present is cleaned:

Record the following for all pilot cells

Cell #	Volts	Hydrometer Reading	Electrolyte Temperature	Corrected Reading	Comments
5					
15					
25					
35					
45					
55					

Type: DIN 40736-1

Manufacturer:

BAE

Battery Bank 2

Battery Room Temp:

° F

Charger

Float Voltage:

Volts

Bank Voltage:

Volts

Float Amps:

Amps

of cells in bank:

60

Verify all water levels are between the Max and Min lines:

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Record the following for all pilot cells

Cell #	Volts	Hydrometer Reading	Electrolyte Temperature	Corrected Reading	Comments
5					
15					
25					
35					
45					
55					

COMMENTS:

BATTERY MONTHLY INSPECTION REPORT

LOCATION:

Statcom 1

DATE:

Type: DIN 40736-1

Manufacturer:

BAE

Battery Bank 1

Battery Room Temp:

° F

Charger

Float Voltage:

Volts

Float Amps:

Amps

Bank Voltage:

Volts

of cells in bank:

60

LSPNER GRID

Verify all water levels are between the Max and Min lines:

Eye wash station fluid expired Yes or No:

Verify any corrosion present is cleaned:

Record the following for all pilot cells

Cell #	Volts	Hydrometer Reading	Electrolyte Temperature	Corrected Reading	Comments
5					
15					
25					
35					
45					
55					

Type: DIN 40736-1

Manufacturer:

BAE

Battery Bank 2

Battery Room Temp:

° F

Charger

Float Voltage:

Volts

Float Amps:

Amps

Bank Voltage:

Volts

of cells in bank:

60

Verify all water levels are between the Max and Min lines:

Verify any corrosion present is cleaned:

Record the following for all pilot cells

Cell #	Volts	Hydrometer Reading	Electrolyte Temperature	Corrected Reading	Comments
5					
15					
25					
35					
45					
55					

COMMENTS:

LS Power Grid California, LLC
Orchard Substation

Monthly Inspection Checklist

This inspection record must be completed *each month* except the month in which an annual inspection is performed. Provide further description and comments, if necessary, on a separate sheet of paper and attach to this sheet. *Any item that receives "yes" as an answer must be described and addressed immediately.

OD-TR-J2

	Y*	N	Description & Comments
Transformers			
Transformer surface shows signs of leakage			
Transformer is damaged, rusted or deteriorated			
Transformer foundation has eroded or settled			
Security			
Fencing, gates, or lighting is non-functional			
Response Equipment			
Response equipment inventory is incomplete			

Date: 7-24-25
Time: 0815

Signature: 
Printed Name: TANNER SISKEROS
Title: SUBSTATION OPERATOR

LS Power Grid California, LLC
Orchard Substation

Monthly Inspection Checklist

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OD-TR-J1		
Y*	N	Description & Comments
Transformers		
		Transformer surface shows signs of leakage
		Transformer is damaged, rusted or deteriorated
		Transformer foundation has eroded or settled
Security		
		Fencing, gates, or lighting is non-functional
Response Equipment		
		Response equipment inventory is incomplete

Date: 7-24-25
Time: 0800

Signature: 
Printed Name: TANNER SISNEROS
Title: SUBSTATION OPERATOR

LS Power Grid California, LLC
Orchard Substation

Monthly Inspection Checklist

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SSVT-A1 (All phases)			
	Y*	N	Description & Comments
Transformers			
Transformer surface shows signs of leakage			
Transformer is damaged, rusted or deteriorated			
Transformer foundation has eroded or settled			
Security			
Fencing, gates, or lighting is non-functional			
Response Equipment			
Response equipment inventory is incomplete			

Date: 7-24-25 Signature: Henry Silva
Time: 0825 Printed Name: TANNER SISKIYOU
Title: SUBSTATION OPERATOR

LS Power Grid California, LLC
Orchard Substation

Monthly Inspection Checklist

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OD-TR-J3

	Y*	N	Description & Comments
Transformers			
<i>Transformer surface shows signs of leakage</i>			
<i>Transformer is damaged, rusted or deteriorated</i>			
<i>Transformer foundation has eroded or settled</i>			
Security			
<i>Fencing, gates, or lighting is non-functional</i>			
Response Equipment			
<i>Response equipment inventory is incomplete</i>			

Date: 7-24-25
Time: 08:20 -

Signature: 
Printed Name: TANNER SINNEROS
Title: SUBSTATION OPERATOR

LS Power Grid California, LLC
Orchard Substation

Monthly Inspection Checklist

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SSVT-A2 (All phases)

	Y	N	Description & Comments
Transformers			
Transformer surface shows signs of leakage			
Transformer is damaged, rusted or deteriorated			
Transformer foundation has eroded or settled			
Security			
Fencing, gates, or lighting is non-functional			
Response Equipment			
Response equipment inventory is incomplete			

Date: 7-24-25
Time: 0830

Signature: *[Signature]*
Printed Name: TANNER SISKERS
Title: SUBSTATION OPERATOR

LS Power Grid California, LLC
Orchard Substation

Monthly Defensible Space Inspection Checklist

Zone 1 (Clean Zone) Substations

This inspection record must be completed *each month*. Provide further description and comments, if necessary, on a separate sheet of paper and attach to this sheet. Any findings determined to not comply with the requirements below shall be corrected within thirty (30) business days. Documentation of the corrective action shall be appended to the appropriate inspection report.

	Y	N	Description & Comments
Verify area within 30' of the exterior fence of the substation meets the following or the LSPGC property boundary if boundary is within 30 feet of the exterior fence:			
Area shall be clear of accumulating dead vegetation, including leaves, sticks, pine needles, or weeds			
Area shall be clear of any trees, shrubs, or bushes			
Area shall not be used for storage of any wood or other combustible material			
Grasses shall be maintained at a height of 4 inches or less			

Date: 7-24-25

Signature: 

Time: 0845

Printed Name: TANNER SISKEROS

Title: SUBSTATION OPERATOR