

SUBSTATION MONTHLY INSPECTION			
LS Power Grid California			
Location: Orchard Sub	Patrolman: _____	1. ARRESTORS <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Grounds</div> <div>B. Porcelain Damage</div> <div>C. Hardware</div> <div>D. Jumpers</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	2. CONTROL HOUSE <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. HVAC</div> <div>B. Relay Targets</div> <div>C. HMI Alarms</div> <div>D. Lights / E-lights</div> <div>E. Cameras</div> <div>F. Overall Cleanliness</div> <div>G. Check AED</div> <div>H. Stabilizer</div> <div>I. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>
<div>LSPowerGrid</div> <div>Rev. 1.1</div>	Date: _____		
	Gate Locked <div>Yes <input type="checkbox"/> No <input type="checkbox"/></div>		
3. YARD <div>OK <input type="checkbox"/> Not OK <input type="checkbox"/></div> <div>A. Weeds</div> <div>B. Washouts</div> <div>C. Yard Lights</div> <div>D. Filter fabric visible</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	4. CT'S <div>OK <input type="checkbox"/> Not OK <input type="checkbox"/></div> <div>A. Oil Level / Leaks</div> <div>B. Porcelain Damage</div> <div>C. J-box</div> <div>D. Hardware</div> <div>E. Grounds</div> <div>F. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	5. FENCE <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Grounds</div> <div>B. Gates</div> <div>C. Warning & Co. Signs</div> <div>D. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	6. Breaker <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Annunciator</div> <div>B. Grounds</div> <div>C. Relay Targets</div> <div>D. Heaters</div> <div>E. Lights</div> <div>F. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>
7. Bus, Structures, Insulators <div>OK <input type="checkbox"/> Not OK <input type="checkbox"/></div> <div>A. Grounds</div> <div>B. Damage</div> <div>C. Rust</div> <div>D. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	8. Ground Switch <div>OK <input type="checkbox"/> Not OK <input type="checkbox"/></div> <div>A. Coupled</div> <div>B. Locked</div> <div>C. Cabinet Clean</div> <div>D. Grounds</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	9. CVT / VT / SSVT <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Grounds</div> <div>B. Porcelain Damage</div> <div>C. Oil Level / Leaks</div> <div>D. J-box</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	10. SWITCHES <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Coupled</div> <div>B. Locked</div> <div>C. Cabinet Clean</div> <div>D. Numbering Visible</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>
11. Major Equipment <div>OK <input type="checkbox"/> Not OK <input type="checkbox"/></div> <div>A. Birds Nests</div> <div>B. Paint Condition</div> <div>C. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	12. Transformer <div>OK <input type="checkbox"/> Not OK <input type="checkbox"/></div> <div>A. Relay Targets</div> <div>B. Heaters</div> <div>C. Grounds</div> <div>D. Oil Leaks</div> <div>E. Fans</div> <div>F. Sump Pumps</div> <div>G. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	18. Cooling System <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Check Levels</div> <div>B. Controller Alarms</div> <div>C. Leaks</div> <div>D. Pumps</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>	19. Converter Room <div>OK <input type="checkbox"/> NOT OK <input type="checkbox"/></div> <div>A. Grounds</div> <div>B. Fence</div> <div>C. Overheating</div> <div>D. Damage</div> <div>E. Other</div> <div>Problems Found:</div> <div> </div> <div> </div> <div> </div> <div>Action Taken:</div> <div> </div> <div> </div> <div> </div>

SUBSTATION MONTHLY INSPECTION

LS Power Grid California

[illegible]

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 Bank Voltage: Volts
 Float Amps: Amps # of cells in bank: 60



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:

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:

S.G +/- .001 depending on temp.

For every 3°F > 77°F, subtract 1 point (.001) from hydrometer reading.

For every 3°F < 77°F, add 1 point (.001) to hydrometer reading.

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

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:

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:

S.G +/- .001 depending on temp.

For every 3°F > 77°F, subtract 1 point (.001) from hydrometer reading.

For every 3°F < 77°F, add 1 point (.001) to hydrometer reading.

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-J1

	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: _____

Signature: _____

Time: _____

Printed Name: _____

Title: _____

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: _____

Signature: _____

Time: _____

Printed Name: _____

Title: _____

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-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: _____

Signature: _____

Time: _____

Printed Name: _____

Title: _____

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.

SSVT-A1 (All phases)

	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: _____

Signature: _____

Time: _____

Printed Name: _____

Title: _____

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.

SSVT-A2 (All phases)

	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: _____

Signature: _____

Time: _____

Printed Name: _____

Title: _____

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.

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:	Y	N	Description & Comments
<i>Area shall be clear of accumulating dead vegetation, including leaves, sticks, pine needles, or weeds</i>			
<i>Area shall be clear of any trees, shrubs, or bushes</i>			
<i>Area shall not be used for storage of any wood or other combustible material</i>			
<i>Grasses shall be maintained at a height of 4 inches or less</i>			

Date: _____

Signature: _____

Time: _____

Printed Name: _____

Title: _____