June 3, 2013

Dale Rundquist
Compliance Project Manager
California Energy Commission
Siting, Transmission, & Environmental Protection (STEP) Division
1516 Ninth Street, MS-2000
Sacramento, CA  95814-5512

Dear Mr. Rundquist:

A request for an amendment to the Conditions of Certification for SEGS VIII Harper Lake (88-AFC-1) and SEGS IX Harper Lake (89-AFC-1) located at 43880 Harper Lake Road, Hinkley, CA  92347 follows.

1. **Conditions of Certification affected by the proposed change:** The SEGS VIII Harper Lake and SEGS IX Harper Lake facilities operate under Conditions of Certification from the California Energy Commission (CEC). This submittal is intended to support the CEC’s review and approval of the proposed modification and CEC’s determination of whether any changes to our Conditions of Certification are necessary.

2. **Description of the proposed modification:** NextEra Energy is proposing to construct a foundation and building to be used as a combined employee break room and training/conference facility. The foundation and building will be 40’ by 40’ by 12’ in size. The foundation and building will be constructed in compliance with existing laws, ordinances, regulations and statutes.

3. **Proposed modifications based on information not available prior to certification:** The modification is based on information that was not available at the time of certification. This structure will be constructed in the same area that included building of this type in the original application that was submitted to and approved by the California Energy Commission. These building were never built due to the bankruptcy of the Luz companies. Additionally, this building is proposed to be built on the site where office trailers were used for the first years of plant operation and will utilize existing water, electrical and sewer connections from those trailers.

4. **Environmental impact:**
   a) **Summary:** The proposed project will not result in any significant adverse environmental impacts.
   b) **Air quality:** minimal short-term air quality impacts are possible during construction of the foundation and building. Excavation will not be necessary to route electrical wiring. The construction of the foundation will take approximately 2 weeks to complete. The erection of the pre-fabricated building and construction of the building interior will be accomplished by skilled site personnel over a period of approximately three months, with no change expected in the normal activity or emissions from the facility. Minor dust emissions and vehicle exhaust are possible. NextEra Energy will mitigate dust emissions using standard dust control practices, including watering. Further, our practice is to ensure that minimal vehicle idling occurs, thereby minimizing vehicle exhaust. Furthermore, all equipment used on site is required to be in proper working order, including properly tuned engines. We believe these measures, coupled with the short-term nature of the foundation construction, will result in air emissions that are not significant.
   c) **Noise:** No significant noise impacts will result from the proposed project. Based on our knowledge of practices for construction of this type, no activities associated with the project have the potential to generate significant noise levels at or beyond the facility boundary.
   d) **Cultural resources:** No adverse impacts on cultural resources (archeological or paleontological) will result from the proposed project. During CEC review of the original project, a complete paleontological survey was conducted on the overall project site. The supporting documentation is available in the project files on site if necessary. No cultural resources were identified within the plant boundary and the proposed project is located within the plant boundary. Furthermore, excavation, grading and other construction activities in the vicinity...
of the currently proposed project were carried out during the original construction of the project. Therefore, the area has already been disturbed, and no cultural resources were discovered during construction of the existing plant. Additionally, excavation for the foundation will not exceed a depth of two feet below grade.

f) **Biological resources:** No adverse impacts on biological resources will result from the proposed project. During CEC review of the original project a complete biological survey was conducted on the overall project. Desert tortoises are potentially present within the overall project area, but the plant boundaries are fenced to eliminate the possibility of tortoises straying into the plant. As part of our normal contractor orientation program, NextEra Energy awareness training and information on the possible presence and the proper response to a sighting, per our existing Conditions of Certification.

g) **Visual impacts:** No significant adverse visual impacts will result from the proposed project. The proposed building will be of the same type, height, and color as existing building in the area thus minimizing incremental visual impacts and rendering the proposed project insignificant with regard to the existing project profile.

h) **Hazardous materials:** The proposed project will not result in any potential adverse environmental impacts associated with hazardous materials use.

i) **Water Resources:** The proposed project will not result in any significant adverse impact to water resources.

5. **Labor:** The daily local work force will average 10 for the construction of the foundation for a period of approximately 2 weeks.

6. **Transportation:** For the foundation, about 4 trucks will be used to haul concrete and rebar across a period of one week and 1 truck for the building frame during a period of one day. All additional materials will be delivered to the site by the routine deliveries that currently exist. This will have little adverse impact to traffic.

7. **Environmental impact mitigation:** No mitigation will be required since there will be no additional environmental impact.

8. **Affect on the public:** This minor amendment will not affect the public since this change does not change the operation of the facility.

9. **Consistent with the overall intent of the Decision:** The proposed modification is a minor amendment to the original Certification of Conditions and is consistent with the overall intent of the Decision.

10. **Approval date and reason:** A request is to approve this minor amendment respectfully in a timely manner to allow the building to be completed in 2013. All applicable permits and building inspections will be obtained for this project.

Should you have any questions or require additional information please contact me at (760) 762-5562 extension 395, or Glen King at (760) 762-3100 extension 231.

Sincerely,

Robert Fimbres
Plant General Manager
Luz Solar Partners Ltd., VIII & IX

Attachments
Attachment 1
Proposed Location
Attachment 1

General Site Overview

Proposed Location
Ground Level View

Proposed location shown in red.
Attachment 2
Building Plans
NextEra Energy Resources

SEGS 8-9 Solar Facility
Training Room & Break Room Building

ABBREVIATIONS

DIRECTORY

PROJECT DATA

CODE SUMMARY

All construction of this project shall comply with the following:

2010 California Building Code
2010 California Fire Code
2010 California Mechanical Code
2010 California Plumbing Code
2010 California Electrical Code

Title 24 (ADA) Code

This project shall comply with all other regulations and ordinances adopted by the local governing agencies.
**Design Loading**

- The structure is designed and analyzed for the following loading conditions:
  - Dead load
  - Live load
  - Wind load
  - Snow load
  - Earthquake

**Design Parameters**

- **Dead Load**
  - Roof and ceiling: 2 kPa
  - Floor: 2 kPa
  - Wall: 2 kPa

- **Live Load**
  - Roof and ceiling: 2 kPa
  - Floor: 2 kPa
  - Wall: 2 kPa

- **Wind Load**
  - Roof and ceiling: 2 kPa
  - Floor: 2 kPa
  - Wall: 2 kPa

- **Snow Load**
  - Roof and ceiling: 2 kPa
  - Floor: 2 kPa
  - Wall: 2 kPa

- **Earthquake**
  - Roof and ceiling: 2 kPa
  - Floor: 2 kPa
  - Wall: 2 kPa

**Engineering Seal**

- The completion of this work for final construction, including the installation of any equipment or fixtures, must be carried out by a duly licensed and qualified contractor. The completed project must comply with all applicable codes and regulations. The contractor is responsible for ensuring that all work is performed in accordance with the plans and specifications provided. The contractor must also obtain any required permits and approvals from the appropriate authorities. The completed project must be inspected by a qualified inspector to ensure compliance with all applicable codes and regulations. The contractor must retain all records of inspections and approvals for a minimum of five years.

**General Steel Corporation**

- **Building Size:** 40' x 40' x 12' x 0' 1:0:12
- **Project:** Ekn Construction
- **Building Services Group:** 10639 W Bradford Road
- **Littleton, CO 80127-4208**
- **Phone:** 800-404-9794
GENERAL NOTES:
1. ALL BOLTS SHALL BE ASTM-A325.  THE USE OF ALTERNATIVE BOLTS IS PROHIBITED.
2. ALL BOLTS SHALL BE HARDENED WASHERS AS SHOWN.  HARDENED WASHERS ARE NOT MANDATORY.  HARDENED WASHERS MUST BE USED FOR ALL BOLTS OVER 1/2" EMBRACE.
3. EMBRACE BOLTS SHALL NOT BE LESS THAN 1.25 TIMES THE DIAMETER OF THE BOLT.
4. ALL BOLTS SHALL BE HARDENED WASHERS AS SHOWN.  HARDENED WASHERS MUST BE USED FOR ALL BOLTS OVER 1/2" EMBRACE.
5. EMBRACE BOLTS SHALL NOT BE LESS THAN 1.25 TIMES THE DIAMETER OF THE BOLT.

RIGID FRAME ELEVATION: FRAME LINE 2
GENERAL STEEL CORPORATION
BUILDER SERVICES GROUP 30539 W BURFORD RD
LITTLETON, CO 80127-4208

RIGID FRAME ELEVATION: FRAME LINE 1

USE (1) HARDENED WASHER PER EACH 5/8" BOLTS A325 AND UP. TYP. UNLESS NOTED.

GENERAL NOTES:
1. ALL BOLTS USING HARDENED WASHERS MUST BE NUTTED AT 9/16" NUTTER.
2. ALL BOLTS USING HARDENED WASHERS MUST BE NUTTED AT 9/16" NUTTER.
3. ALL BOLT CONNECTIONS SHALL BE BOLTED WITH A325 BOLTS.

REFERENCES:

SHEET 1 OF 6