

CS Innovations, LLC  
7400 E. Tierra Buena Lane, Suite 101  
Scottsdale, AZ 85260  
Phone: 480-567-1100  
Fax: 480-315-9359

September 28, 2011  
Affidavit #AFF6116-00053-1

U.S. Nuclear Regulatory Commission  
Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

PROJ 779

**APPLICATION FOR WITHHOLDING PROPRIETARY  
INFORMATION FROM PUBLIC DISCLOSURE**

- Subject: 1) 6116-10201, Revision 0, "Diablo Canyon Units 1 and 2 Process Protection System, ALS-102 FPGA Requirements Specification" (Proprietary)  
2) 6116-00011, Revision 0, "Diablo Canyon Units 1 and 2 Process Protection System, ALS System Design Specification" (Proprietary)  
3) 6116-00000, Revision 0, "Diablo Canyon PPS Management Plan" (Proprietary)  
4) 6116-00005, Revision 0, "Diablo Canyon PPS System Test Plan" (Proprietary)

Reference: Letter from Scott Roberts to Document Control Desk, 6116-00053, dated September 28, 2011

The Application for Withholding Proprietary Information from Public Disclosure is submitted by CS Innovations, LLC, a wholly-owned subsidiary of Westinghouse Electric Company LLC (Westinghouse), pursuant to the provisions of paragraph (b)(1) of Section 2.390 of the Commission's regulations. It contains commercial strategic information proprietary to Westinghouse and customarily held in confidence.

The proprietary information for which withholding is being requested is contained in the documents identified in the Reference. In conformance with 10 CFR Section 2.390, Affidavit AFF6116-00053-1 accompanies this application for withholding, setting forth the basis on which the identified proprietary information may be withheld from public disclosure.

The documents identified in the Reference were prepared as Proprietary, and CS Innovations requests that they be considered proprietary in their entirety. CS Innovations does not plan to submit non-proprietary versions of these documents due to their extensive proprietary content. Non-proprietary versions would be of no value to the public.

It is respectfully requested that the subject information which is proprietary to CS Innovations be withheld from public disclosure in accordance with 10 CFR Section 2.390 of the Commission's regulations.

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NRC



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Correspondence with respect to the proprietary aspects of the application for withholding or the accompanying affidavit should reference AFF6116-00053-1 and should be addressed to Scott Roberts, Director, CS Innovations, LLC, 7400 E Tierra Buena Lane, Suite 101, Scottsdale, AZ 85260-1795.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Scott Roberts', written in a cursive style.

Scott Roberts, Director  
Scottsdale Operations

Enclosures

CS Innovations, LLC  
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**Submittal of Advanced Logic System Documents (Proprietary)**

Ref: 1. PG&E Letter DCL-09-051, From James R. Becker (PG&E) to the Chief Financial Officer of the NRC, dated July 17, 2009.

Reference 1 discussed Pacific Gas & Electric Company's (PG&E) intention to submit a license amendment request (LAR) for a digital upgrade of the Diablo Canyon Power Plant (DCPP) Eagle 21 Process Protection System (PPS), and requested NRC consideration of DCPP as a pilot plant for the use of DI&C-ISG-06, "Digital Instrumentation and Controls Task Working Group #6: Licensing Process Interim Staff Guidance." DI&C-ISG-06 contains the licensing process that will be used by the NRC for the review of digital I&C systems and provides guidance to licensees on the content of the associated LAR.

The enclosed documents (cited in the table below) will be incorporated by reference by PG&E in their LAR requesting NRC approval to replace the DCPP Eagle 21 PPS with a new PPS that is based, in part, on the Advanced Logic System of CS Innovations, LLC – a wholly-owned subsidiary of Westinghouse Electric Company LLC (Westinghouse) – and Westinghouse.

Any Requests for Additional Information (RAI) associated with NRC's review of the attached documents should be sent to Mr. Tom Baldwin of PG&E. PG&E is responsible for the payment of any NRC review fees associated with the review of the attached documents. If you have questions or requests regarding the attached documents, please contact Tom Baldwin of PG&E.

Enclosed are copies of the proprietary versions of the following documents.

6116-10201, Revision 0	Diablo Canyon Units 1 and 2 Process Protection System, ALS-102 FPGA Requirements Specification
6116-00011, Revision 0	Diablo Canyon Units 1 and 2 Process Protection System, ALS System Design Specification
6116-00000, Revision 0	Diablo Canyon PPS Management Plan
6116-00005, Revision 0	Diablo Canyon PPS System Test Plan

Also enclosed are:

1. One (1) copy of the Application for Withholding Proprietary Information from Public Disclosure, AFF6116-00053-1 (Non-Proprietary), with Proprietary Information Notice and Copyright Notice.
2. One (1) copy of Affidavit (Non-Proprietary).



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September 28, 2011  
Our ref: 6116-00053

This submittal contains proprietary information prepared by CS Innovations. In conformance with the requirements of 10 CFR Section 2.390, as amended, of the Commission's regulations, we are enclosing with this submittal an Application for Withholding Proprietary Information from Public Disclosure and an affidavit. The affidavit sets forth the basis on which the information identified as proprietary may be withheld from public disclosure by the Commission.

The documents identified were prepared as Proprietary documents by CS Innovations, and CS Innovations requests that they be considered proprietary in their entirety. CS Innovations does not plan to submit non-proprietary versions of these documents due to their extensive proprietary content. Non-proprietary versions would be of no value to the public.

Correspondence with respect to the proprietary aspects of the application for withholding or the CS Innovations affidavit should reference AFF6116-00053-1 and should be addressed to Mr. Scott Roberts, Director, CS Innovations, LLC, 7400 E Tierra Buena Lane, Suite 101, Scottsdale, AZ 85260-1795.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Scott Roberts', written in a cursive style.

Scott Roberts, Director  
Scottsdale Operations

Enclosures



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bcc: J. A. Gresham  
C. B. Brinkman  
C. L. Olesky  
S. Seaman  
S. L. Smith  
M. J. Stofko

AFFIDAVIT

STATE OF ARIZONA:

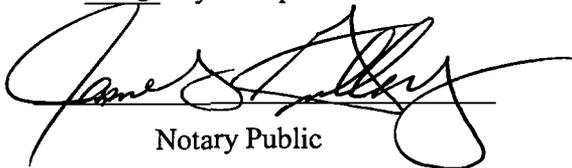
COUNTY OF MARICOPA:

Before me, the undersigned authority, personally appeared Scott Roberts, who, being by me duly sworn according to law, deposes and says that he is authorized to execute this Affidavit on behalf of CS Innovations, LLC, a wholly-owned subsidiary of Westinghouse Electric Company LLC (Westinghouse), and that the averments of fact set forth in this Affidavit are true and correct to the best of his knowledge, information, and belief:



Scott Roberts, Director  
Scottsdale Operations

Sworn to and subscribed before me  
this 28 day of September 2011



Notary Public



- (1) I am Director, Scottsdale Operations, CS Innovations, LLC, and as such, I have been specifically delegated the function of reviewing the proprietary information sought to be withheld from public disclosure in connection with nuclear power plant licensing and rule making proceedings, and am authorized to apply for its withholding on behalf of CS Innovations.
- (2) I am making this Affidavit in conformance with the provisions of 10 CFR Section 2.390 of the Commission's regulations and in conjunction with the CS Innovations Application for Withholding Proprietary Information from Public Disclosure accompanying this Affidavit.
- (3) I have personal knowledge of the criteria and procedures utilized by CS Innovations in designating information as a trade secret, privileged or as confidential commercial or financial information.
- (4) Pursuant to the provisions of paragraph (b)(4) of Section 2.390 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
  - (i) The information sought to be withheld from public disclosure is owned and has been held in confidence by CS Innovations.
  - (ii) The information is of a type customarily held in confidence by CS Innovations and not customarily disclosed to the public. CS Innovations has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence. The application of that system and the substance of that system constitutes CS Innovations policy and provides the rational basis required.

Under that system, information is held in confidence if it falls in one or more of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

    - (a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where prevention of its use by any of

CS Innovations' competitors without license from CS Innovations constitutes a competitive economic advantage over other companies.

- (b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage, e.g., by optimization or improved marketability.
- (c) Its use by a competitor would reduce his expenditure of resources or improve his competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
- (d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of CS Innovations, its customers or suppliers.
- (e) It reveals aspects of past, present, or future CS Innovations or customer funded development plans and programs of potential commercial value to CS Innovations.
- (f) It contains patentable ideas, for which patent protection may be desirable.

There are sound policy reasons behind the CS Innovations system which include the following:

- (a) The use of such information by CS Innovations gives CS Innovations a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the CS Innovations competitive position.
- (b) It is information that is marketable in many ways. The extent to which such information is available to competitors diminishes the CS Innovations ability to sell products and services involving the use of the information.
- (c) Use by our competitor would put CS Innovations at a competitive disadvantage by reducing his expenditure of resources at our expense.

- (d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components of proprietary information, any one component may be the key to the entire puzzle, thereby depriving CS Innovations of a competitive advantage.
  - (e) Unrestricted disclosure would jeopardize the position of prominence of CS Innovations in the world market, and thereby give a market advantage to the competition of those countries.
  - (f) The CS Innovations capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
- (iii) The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.390, it is to be received in confidence by the Commission.
- (iv) The information sought to be protected is not available in public sources or available information has not been previously employed in the same original manner or method to the best of our knowledge and belief.
- (v) The proprietary information sought to be withheld in this submittal is that which is contained in the following documents being submitted to the Commission.
- 1) 6116-10201, Rev. 0, "Diablo Canyon Units 1 and 2 Process Protection System, ALS-102 FPGA Requirements Specification" (Proprietary)
  - 2) 6116-00011, Rev. 0, "Diablo Canyon Units 1 and 2 Process Protection System, ALS System Design Specification" (Proprietary)
  - 3) 6116-00000, Revision 0, "Diablo Canyon PPS Management Plan" (Proprietary)
  - 4) 6116-00005, Revision 0, "Diablo Canyon PPS System Test Plan" (Proprietary)

These documents are being transmitted by CS Innovations letter, 6116-00053, and Application for Withholding Proprietary Information from Public Disclosure, to the Document Control Desk. The proprietary information as submitted by CS Innovations is submitted in support of Pacific Gas & Electric Company's intention to submit a license amendment request for a digital upgrade of the Diablo Canyon Power Plant Reactor Trip System and Engineered Safety Features Actuation System, and may be used only for that purpose.

This information is part of that which will enable CS Innovations to:

- (a) Obtain NRC approval of its Advanced Logic System for use in Reactor Trip and Engineered Safety Features Actuation Systems.

Further this information has substantial commercial value as follows:

- (a) CS Innovations plans to sell the use of this information to its customers for purposes of obtaining NRC approval of its Advanced Logic System for use in Reactor Trip and Engineered Safety Features Actuation Systems.
- (b) CS Innovations can sell support and defense of the use of its Advanced Logic System in safety related applications.
- (c) The information requested to be withheld reveals the distinguishing aspects of a methodology which was developed by CS Innovations.

Public disclosure of this proprietary information is likely to cause substantial harm to the competitive position of CS Innovations because it would enhance the ability of competitors to provide similar engineering services and licensing defense services for commercial power reactors without commensurate expenses. Also, public disclosure of the information would enable others to use the information to meet NRC requirements for licensing documentation without purchasing the right to use the information.

The development of the technology described in part by the information is the result of applying the results of many years of experience in an intensive CS Innovations effort and the expenditure of a considerable sum of money.

In order for competitors of CS Innovations to duplicate this information, similar technical programs would have to be performed and a significant manpower effort, having the requisite talent and experience, would have to be expended.

Further the deponent sayeth not.

## **PROPRIETARY INFORMATION NOTICE**

Transmitted herewith is the proprietary version of documents furnished to the NRC in connection with requests for generic and/or plant-specific review and approval. The documents are to be considered proprietary in their entirety.

## **COPYRIGHT NOTICE**

The documents transmitted herewith bear a CS Innovations copyright notice. CS Innovations is a wholly-owned subsidiary of Westinghouse. The NRC is permitted to make the number of copies of the information contained in these documents which is necessary for its internal use in connection with generic and plant-specific reviews and approvals as well as the issuance, denial, amendment, transfer, renewal, modification, suspension, revocation, or violation of a license, permit, order, or regulation subject to the requirements of 10 CFR 2.390 regarding restrictions on public disclosure to the extent such information has been identified as proprietary by CS Innovations, copyright protection notwithstanding. Copies made by the NRC must include the copyright notice in all instances and the proprietary notice if the original was identified as proprietary.