

## Conduct of Engineering Request for Variance or Alternate Method

To display the *VAR Request Metadata* pane for this document, click **File > Info > Properties > Show Document Panel.**

### 1.0 General

1.1 Document Number: <b>VAR-10727</b>		1.2 Revision: <b>0</b>					
1.3 Brief Descriptive Title: <b>Fossil Fuel Reduction Phase-In Delay (TSM)</b>							
1.4 Affected Program: <b>Engineering Standards</b>		1.5 Request Type: <b>Variance</b>					
1.6a Affected Tech Area <b>99</b>		1.6b Affected Buildings <b>Sitewide</b>					
1.7 Requestor: <b>Bangert, Dalinda Kay</b> Organization: <b>UI – Utility Resource Management</b>							
1.8 Revision History <table border="1"> <thead> <tr> <th>Revision Number</th> <th>Changes and Comments</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Initial issue.</td> </tr> </tbody> </table>				Revision Number	Changes and Comments	0	Initial issue.
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0	Initial issue.						

### 2.0 Affected Conduct of Engineering Program/Documents

2.1 Affected "P" Document: <b>P342 Engineering Standards</b>  If against the P document itself, revision (or <b>N/A</b> ): <b>N/A</b>	2.2 Subordinate or related document(s) [AP, master spec, LANL ESM chapter & section; or code, Order, standard, etc.]: Document Title/No.: <b>Tailored Standards Manual (TSM)</b>  Revision <b>3</b> Document Title/No.: <i>Enter text..</i> Revision <i>Enter text..</i> Document Title/No.: <i>Enter text..</i> Revision <i>Enter text..</i>
2.3 Section/Paragraph: <b>Chapter 14, Sustainable Design paragraphs 2.0.D and 2.0.G</b>	
2.4 Specific Requirement(s) as Written in the Document(s): <b>D. For new buildings with a total project cost greater than that identified in TSM Attachment 1 (approximately \$3.9M) follow ESM Chapter 14 and any variances posted with it regarding Limiting On-site Fossil Fuel-Generated Energy Consumption (e.g., VAR-10727).</b>  <b>G.1. "Follow the same criterion as new buildings in sections 2.0.B–D above..."</b>  <b>G.2. "Exception: Renovations and building alterations (including new systems and equipment) below the cost and size limits defined in sections 2.0.B–D above..."</b>	

2.5 Contractual, preference, or other basis for requirement in 2.4:

Implemented contractual DOE O 413.3B Chg. 7 and previously contractual DOE O 436.1A.

2.6 Type of VAR from ESM Chap 1, Z10 [Applies only to standards variances)

Type 2

2.7 Discipline

Sustainable Design

### 3.0 Request Information & Comments

3.1 NCR required (work has occurred)? No

If Yes, NCR Number: Enter text.

3.2 System/Component Affected

OpSystem Acronym & Name BLDG - Building

System Number or Name BLDG

3.3 Highest ML Level

ML-1

3.4 Proposal with Justification/Compensatory Measures:

#### **Proposal**

See the note addition and internal-reference modifications below.

**[TSM Addition]** Revise TSM Chapter 14, 2.0.D regarding Limiting On-site Combustion of Fossil Fuels to add this note:

NOTE: Implementation of 10 CFR 433 Subpart B, Clean Energy rule will not occur before May 1, 2026. Prior to or upon its effective date, a revision of ESM Chapter 14 will include new material on same, but that material is not included in ESM Rev. 13, nor does Rev. 0 of this variance (VAR-10727) modify Rev. 13.

**[TSM Modification]** Revise TSM Chapter 14, 2.0.G. Remodels, Renovations, and Modernizations.

1. Change G.1 to read: Follow the same criterion as new buildings in sections 2.0.B-D ~~A~~ and C-F above.
2. Change G.2 to read:  
Exception: Renovations and building alterations (including new systems and equipment) below the cost and size limits defined in sections 2.0.B-D ~~C-E~~ above must meet ASHRAE 90.1-2019. A "change in space conditioning" or "change of occupancy or use" which results in an increase in demand for energy must follow ASHRAE 90.1-2019 Section 4.1.1.5.

#### **Background/Justification**

- A. For the addition, the Clean Energy Rule (10 CFR 433 Subpart B) was to become effective May 1, 2025. It is now delayed until 2026.
- B. Minor mistakes corrected for clarity.

These changes became apparent just after issuance of Rev. 3.

3.5 Attachments

Document Title or Description none

3.6a Project ID N/A	3.6b: Project Name N/A	3.6c: Code of Record Date N/A
3.7 Duration: Lifetime	3.8a If Finite Period, Start Date: Click to enter a date.	3.8b End Date: Click to enter a date
3.8c Provide the PFITS number for tracking removal/correction: [PFITSNum]		
3.9 USQD/USID required (Nuclear, High/Mod Hazard)? No If Yes, USQD/USID Number Click here to enter text.		
3.10 QA Review for process change matters potentially affecting LANL's NQA-1 implementation Is a QPA Determination required?: No If Yes, then: Choose an item. QPA Comments: Enter text..		
3.11 POC Determination: Accept POC Comments: Enter text..		
3.12 Management Program Owner's (SMPO) Approval for P341 and APs; P342, ESM, ML-1 and -2, and Contract Matters; and P343  SMPO Determination: Accept Comments: Enter text..		

#### 4.0 Participant Signatures **NOTE:** DO NOT ADD NAMES FROM WITHIN WORD! Save and close the form first, then do 1-4 below:

1. From the SharePoint library, select the document, then click the **ellipsis** (...)
2. In the small dialog click the **ellipsis** again
3. Click **Edit Properties** and check out the document if prompted to Enter names using the controls provided, then **Save**

4.1 POC (Management Program Owner's Representative):  Bangert, Dalinda Kay	Organization UI-URM	Signature
4.2 Facility Design Authority Representative  [FDARName] FDAR signature not required <input checked="" type="checkbox"/>	Organization Enter text..	Signature
4.3 LANL Owing Manager (FOD or R&D/Program)  [FODorPrgmMgrName] FOD or Program Manager signature not required <input checked="" type="checkbox"/>	Organization Enter text..	Signature

<p>4.4 Quality Reviewer's Name:</p> <p>[QPAName]</p> <p>QPA review/signature not required <input checked="" type="checkbox"/></p>	<p>Organization</p> <p>Enter text.</p>	<p>Signature</p>
<p>4.5 Safety or Security Management Program Owner's Approval for P341 and APs; P342, ESM and Contract Matters; and P343</p> <p>Richardson, Michael Joseph</p> <p>SMPO signature not required (Type 1 variance) <input type="checkbox"/></p>	<p>Organization</p> <p>ES-DO</p>	<p>Signature</p>
<p>4.6 Additional Signer 1</p> <p>[AdditionalSigner1]</p> <p>Role: Enter text.</p>	<p>Organization</p> <p>Enter text.</p>	<p>Signature</p>
<p>4.7 Additional Signer 2</p> <p>[AdditionalSigner2]</p> <p>Role: Enter text.</p>	<p>Organization</p> <p>Enter text.</p>	<p>Signature</p>
<p>4.8 CoE Administrator Signature</p> <p>Leyba, Matthew Anthony</p> <p><b>NOTE:</b> The CoE Admin is always the last signature placed on this document. The date of that signing is the date of this document.</p>	<p>Signature</p>	