



U.S. DEPARTMENT OF
ENERGY

Prepared for the U.S. Department of Energy
under Contract DE-AC05-76RL01830

Commercial Lighting Solutions, Webtool Peer Review Report

Carol Jones, Associate IALD, IESNA, LC, Pacific Northwest National
Laboratory

Tracy Meyer, LC, Pacific Northwest National Laboratory

February 2009



Pacific Northwest
NATIONAL LABORATORY

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor Battelle Memorial Institute, nor any of their employees, makes **any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.** Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or Battelle Memorial Institute. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

PACIFIC NORTHWEST NATIONAL LABORATORY
operated by
BATTELLE
for the
UNITED STATES DEPARTMENT OF ENERGY
under Contract DE-AC05-76RL01830

Printed in the United States of America

**Available to DOE and DOE contractors from the
Office of Scientific and Technical Information,
P.O. Box 62, Oak Ridge, TN 37831-0062;
ph: (865) 576-8401
fax: (865) 576-5728
email: reports@adonis.osti.gov**

**Available to the public from the National Technical Information Service,
U.S. Department of Commerce, 5285 Port Royal Rd., Springfield, VA 22161
ph: (800) 553-6847
fax: (703) 605-6900
email: orders@ntis.fedworld.gov
online ordering: <http://www.ntis.gov/ordering.htm>**



This document was printed on recycled paper.

Commercial Lighting Solutions, Webtool Peer Review Report

Carol Jones

Tracy Meyer

February 2009

Prepared for the
U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
Federal Energy Management Program
Under Contract DE-AC05-76RLO 1830

Pacific Northwest National Laboratory
Richland, Washington 99352

Executive Summary

The Commercial Lighting Solutions (CLS) project directly supports the U.S. Department of Energy's Commercial Building Energy Alliance efforts to design high performance buildings. CLS creates energy efficient best practice lighting designs for widespread use, and they are made available to users via an interactive webtool that both educates and guides the end user through the application of the Lighting Solutions. This report summarizes the peer review of the beta version of the CLS webtool, which contains retail box lighting solutions.

The methodology for the peer review process included data collection (stakeholder input), analysis of the comments, and organization of the input into categories for prioritization of the comments against a set of criteria. Based on this process, recommendations were developed about which feedback should be addressed for the release of version 1.0 of the webtool at the Lightfair conference in New York City in May 2009.

Due to the volume of data (~500 comments) the methodology for addressing the peer review comments was central to the success of the ultimate goal of improving the tool. The comments were first imported into a master spreadsheet, and then grouped and organized in several layers. Solutions to each comment were then rated by importance and feasibility to determine the practicality of resolving the concerns of the commenter in the short-term or long-term. The rating system was used as an analytical tool, but the results were viewed thoughtfully to ensure that they were not the sole the factor in determining which comments were recommended for near-term resolution.

The report provides a list of the top ten most significant and relevant improvements that will be made within the webtool for version 1.0 as well as appendices containing the short-term priorities in additional detail. Peer review comments that are considered high priority by the reviewers and the CLS team but cannot be completed for Version 1.0 are listed as long-term recommendations.

Contents

EXECUTIVE SUMMARY	iii
1.0 BACKGROUND	1
<i>1.1 Commercial Lighting Solutions and the Commercial Buildings Energy Alliances</i>	<i>1</i>
<i>1.2 Commercial Lighting Solutions Webtool</i>	<i>1</i>
<i>1.3 Peer Review Task Description</i>	<i>1</i>
<i>1.4 Objectives</i>	<i>2</i>
2.0 METHODOLOGY	2
<i>2.1 Peer Review Data collection</i>	<i>2</i>
2.1.1. Reviewers	2
2.1.2. Webtool Content	2
2.1.3. Peer Review Input Format	3
2.1.4. Process	3
<i>2.2 Analysis and Prioritization</i>	<i>4</i>
2.2.1. Spreadsheet Summary	4
2.2.2. Comments Assigned to Actions/Solutions	5
2.2.3. Importance and Feasibility Ratings	5
2.2.4. Overall Rankings, Short-term and Long-term Goals	6
2.2.5. Unrated Comments	7
3.0 RECOMMENDATIONS	7
<i>3.1 Development of Recommendations</i>	<i>7</i>
3.1.1. Prioritization Ranges	8
3.1.2. Exceptions to Prioritization Ranges	8
<i>3.2 Top Ten List of Priority Short-Term Recommendations</i>	<i>8</i>
<i>3.3 TRAC Tickets</i>	<i>9</i>
<i>3.4 Peer Review Input Data</i>	<i>9</i>
<i>3.5 List of Long-Term Priority Recommendations</i>	<i>9</i>
4.0 CONCLUSION	9
APPENDIX A: REVIEWER LIST	A-1
APPENDIX B: WEBTOOL PAGE REFERENCE FILE	B-1
APPENDIX C: PEER REVIEW INPUT SPREADSHEET	C-1
APPENDIX D: TRAC TICKET LIST	D-1
APPENDIX E: MASTER COMMENTS LIST	E-1

Tables

Table 1. Importance Ratings	5
Table 2. Feasibility Ratings.	6

1.0 Background

1.1 Commercial Lighting Solutions and the Commercial Buildings Energy Alliances

Commercial buildings currently account for 18 percent of total U.S. energy consumption, and are projected by the Energy Information Administration to experience significant growth over the next two decades. To increase the energy efficiency of this sector, especially in new construction, the U.S. Department of Energy (DOE) has created three new Commercial Building Energy Alliances (CBEAs) that are designed to minimize the energy consumption and environmental impact of commercial buildings. The Alliances will contribute to DOE's overarching goal of having cost-effective net-zero energy commercial buildings on the market by 2025—grid-connected buildings that, over the course of a year, generate as much energy as they consume. The CBEAs focus on the following sectors: Retail, Commercial properties (leased space, offices, shopping malls, and hospitality), and Institutions (including colleges and universities, hospitals, and health care facilities). Alliance members seek to reduce energy consumption by significant levels in their new and existing buildings.

The Commercial Lighting Solutions (CLS) project directly supports the Commercial Building Energy Alliance efforts to design high performance buildings. Lighting Solutions optimized for energy efficiency, cost effectiveness, and occupant satisfaction are critical to the end-product success of 50% (and greater) energy savings. Any endeavor to realize deep energy savings must include Lighting Solutions as part of its “solution set” because fully one-quarter of commercial buildings energy use (on average) is lighting; sector wide, commercial buildings, require 4.6 source quads per year to provide illumination services.¹

Currently Lighting Solutions have been developed for retail box buildings and are in development for offices. The CLS Webtool has been developed to deliver the Lighting Solutions to the Alliances and the market at large. Critical to the success of the webtool is stakeholder input, which has been gathered via a peer review input process. This report summarizes the findings of the CLS Peer Review task.

1.2 Commercial Lighting Solutions Webtool

The webtool is the delivery mechanism for the Lighting Solutions. The webtool is critical to widespread usage of the Lighting Solutions and includes a strong interactive element that both educates and guides the end user through the application of the Lighting Solutions. The webtool is also critical for capturing impact and usage of the solutions.

1.3 Peer Review Task Description

The Peer Review task covers the process by which stakeholders have input to the Lighting Solutions. The Peer Review process described in this report is limited to the beta version of the CLS webtool, which contains retail box lighting solutions. As development continues on the webtool, the peer review will be phased and ongoing in support of new solutions, continuous improvement to existing solutions, and partner-contributed solutions.

¹ 2008 Buildings Energy Data Book http://buildingsdatabook.eren.doe.gov/docs/xls_pdf/3.1.4.pdf

1.4 Objectives

The objectives of this work were to accomplish the following:

- (1) Gather high-quality feedback on the CLS webtool from a representative group of stakeholders.
- (2) Analyze the peer review input data to categorize similar comments, determine possible solutions, and weigh and prioritize input against a set of decision criteria.
- (3) Develop recommendations about tasks that should be undertaken to improve the webtool with the time and funds that are available in the short term.
- (4) Develop recommendations about tasks that should be considered as a longer-term goals for the continuous improvement of the webtool.

2.0 Methodology

The methodology for the peer review process included data collection (stakeholder input), analysis of the comments, and organization of the input into categories for prioritization of the comments against a set of criteria. Based on this process, recommendations were developed about which feedback should be addressed for the release of version 1.0 of the webtool.

2.1 Peer Review Data collection

The goal of data collection was to capture sufficient feedback from each of our target user groups, in a way that allowed us to process comments that was efficient and thorough.

2.1.1. Reviewers

In order to collect the level of detail desired from the peer review process, input was requested from professionals across the range of fields that would use and benefit from the tool. A list of potential reviewers was compiled including retailers, lighting designers, engineers, professional associations, state energy programs, energy-efficiency program sponsors, utilities and members of the core team. The representation of members of various fields ensured that all aspects of the tool would be considered analytically from many possible angles.

2.1.2. Webtool Content

The peer review included the following pages of the webtool: (1) sign-in, (2) new project, (3) project description, (4) key plans, (5) vignette lists, (6) individual vignettes, (7) control strategies, and (8) download material. These elements were shared with the reviewers in a screen capture file with reference page names (see Appendix B).

Lighting equipment descriptions were included in the peer review process in the vignette descriptions and the luminaire schedule with only one exception. Luminaire photometric performance specifications are being developed and reviewed through an ongoing separate process with stakeholders that have expertise in luminaire design. Determination of the photometric performance specifications will require the use of a luminaire verification webtool that analyzes IESNA photometric files so that criteria can be established in collaboration with the National Electrical Manufacturer's Association (NEMA).

2.1.3. Peer Review Input Format

In order to capture all of the feedback in an easily quantifiable manner, an excel spreadsheet was designed to help the reviewers categorize their impressions of the webtool (see Appendix C). The spreadsheet provided space for reviewers to include important information regarding their operating system and the web browser they used so the web team could address functionality and compatibility issues once all of the input was received. Each comment was assigned a reference number to more easily track the progress of addressing the many comments received. There was also a column to record the store type and reference web page to assure that the context of the comment was sufficiently understood.

There were six categories in the spreadsheet that reviewers were asked to consider including:

- (1) appearance/aesthetics
- (2) ease of use/flow
- (3) functionality
- (4) content
- (5) download material
- (6) general comments

Providing guidance questions encouraged a more comprehensive review than might otherwise have occurred, and also helped with the data analysis process.

As the finalized comments were received they were compiled into a master spreadsheet for analysis, diagnosis, and resolution.

2.1.4. Process

Over the entirety of the peer review period, several hundred potential reviewers were invited to comment. This approach was not very effective due to the congested schedules of the potential reviewers. Ultimately the project team changed to a more proactive approach and scheduled specific meeting times with people to ensure that feedback was obtained in a manner similar to qualitative interviews. Most frequently an online meeting approach was used, so that the CLS team could actually watch the reviewer navigate through the tool, and capture thoughts and questions exactly as they came up. Often through this dialogue the interviewer was able to more clearly identify the root cause of the problems, and identify potential solutions that would resolve concerns. The interviewer acted as the recorder for the feedback of the reviewer, and then sent the spreadsheet input form to the reviewer so they could confirm the validity of the comments and elaborate upon additional aspects of the tool as they continued to spend time working with it online.

Feedback on this approach was very positive, from reviewers as well as the PNNL team. Reviewers felt that they could concentrate better on the review process because they didn't have to go back and forth between the webtool and typing their thoughts into the comment sheet. Additionally, the PNNL interviewer was often able to catch issues and problems through the observation process that either would not have been noticed by the reviewer, or would not have been characterized clearly. The dialogue was also very useful in developing specific ideas about potential improvements to the webtool. After reviewing the peer review comments, the PNNL

web development team said that the comments were significantly more useful and actionable than typical peer review input due to the live meeting interview approach.

The focus of the peer review was to find problems and improvement opportunities, so the positive comments were removed from the evaluation process. Positive comments were unrated and are contained in a separate list within the data set in Appendix E. Speaking generally, reviewers almost universally liked the aesthetic appearance of the tool, the simplicity of the workflow, and the ability to see energy savings impacts as choices were made. The goal of the team will be to make improvements to the tool without losing the features that were widely appreciated by reviewers.

By the end of the peer review input period, 30 reviewers had either been interviewed and/or provided detailed written input for a total of ~500 comments.

2.2 Analysis and Prioritization

Once all of the comments were imported into a master spreadsheet, they were grouped and organized into several categories. Strategies for each comment were then rated in several categories to determine the practicality of resolving the concerns of the commenter. After several additional filters to the data, short term and long term goals were established based on the ratings. The rating system was used as an analytical tool, but the results were viewed thoughtfully to ensure that they were not the sole the factor in determining the practicality of comment resolution.

2.2.1. Spreadsheet Summary

Columns in the spreadsheet were expanded from the truncated peer review input form to support the data analysis, including the following: commenter ID number, action/solution, importance, feasibility, short-term rating, long-term rating, status, and PIC (person in charge).

The comment type column retained the five general categories reviewers were asked to recognize on the peer review input form. Ratings on a scale of 1-5 were assigned to frequency and importance of the comments that ultimately established the “importance” rating, while the same rating scale for ease of implementation, duration, and risk/complication were ultimately used to determine the “feasibility” rating as discussed in section 2.2.3. The importance and feasibility ratings were weighted together differently to attain the overall rating for the short and long term. This process is discussed in detail in section 2.2.4. The final two columns helped to further categorize and track the comments. The action/solution column linked to a list of more general issues that grouped comments with similar solutions. The status column is the working record of where the PNNL team stands in respect to resolving the issue.

Due to the diversity of the comments, separate tabs were created to support the analysis process including (1) design, (2) webteam, (3) text edits, (4) content, (5) download material, and (6) positive comments. The primary objective of sorting the comments in this way simplified the process of receiving feedback regarding the accuracy of the feasibility ratings from members of the PNNL team that would ultimately perform the tasks that addressed the comments, i.e. the webteam regarding issues of browser functionality. This organization of comments also allowed for more specific action/solution categories to be assigned within the tabs.

2.2.2. Comments Assigned to Actions/Solutions

With the large quantity of comments received, it was important to divide them into refined categories that represented the type of action that would yield a solution to the concern expressed. Comments were turned into proposed actions so that they could be rated in terms of importance and feasibility. For example, on the design tab comments were grouped into actions/solutions such as *luminaire changes* for comments that provided input about luminaire choices or *validation* for comments that expressed confusion about the design determination or application process that should be clarified in the webtool. Grouping comments on the text edit tab into either *specific text edits* and *general text edits* provided guidance in establishing general tasks, such as “text content edits” that encompass each minor text edit. When the task is believed to be resolved, each comment that was categorized under the given action/solution can then be addressed individually to ensure completion.

This process allowed us to review similar comments in proximity to each other, and supported the process of turning comments into TRAC tickets for future delegation and resolution by the team. The TRAC tool is an online resource that allows users to set up “tickets” as specific tasks that link to full descriptions that can include specific comments. Each ticket is categorized by the component of the webtool it addressed, i.e. software, database, PDF, or content, and assigned to a person in charge to ensuring it gets resolved. As TRAC tickets were developed, they were recorded in the status column.

2.2.3. Importance and Feasibility Ratings

The overall importance of each category was determined by assigning a 1-5 rating for (1) the frequency the comment came up and (2) the importance of the comment as it pertains to the completion of the webtool. The ratings were established using the guidelines as shown in the Table 1 below.

Table 1. Importance Ratings

IMPORTANCE	
Frequency	Importance of Comment
1- only time comment came up	1- pure opinion
2- repeated by someone	2- opinion with foundation
3- comment has come up a few times	3- would enhance tool
4- comment came up several times	4- tool loses effectiveness without implementation
5- almost everyone mentioned it	5- tool is incomplete without

The two subcategories were given a weighted average to attain the overall rating of importance. The frequency comments were made comprised 20% of the overall importance rating. The rating for the importance of the comment accounted for 80% of the overall importance. Although frequency is an important measure, it should not be weighted equally with importance because we had a very diverse set of reviewers. There may be a small frequency of comments from a particular constituency (e.g., retailers, utilities) that is inherently valuable due to the strategic importance of the stakeholder group.

The feasibility of implementing each concern was determined by rating the (1) ease of implementing the solution, (2) the uncertainty and/or risk of its implementation, and (3) the time duration of the implementation. After each comment was rated in the applicable subcategories, the importance of each subcategory was considered and weighted in importance for determining the overall rating each comment attained in the main categories of importance and feasibility. The guide used to establish the ratings of the subcategories is detailed below.

Table 2. Feasibility Ratings.

FEASIBILITY		
Ease of Implementation	Risk/Uncertainty	Duration
1- redoing all previous efforts	1- could increase liability	1- years
2- extensive alterations/ additions	2- complications might outweigh benefits	2- months
3- substantial amount of work	3- will complicate things	3- weeks
4- slightly involved change	4- might complicate things	4- days
5- simple change	5- practically no added risk	5- hours

The feasibility rating was established by weighting the importance of the subcategories. The ease of implementation and risk/uncertainty subcategories were each determined to represent 30% of the feasibility rating, and the duration category was weighted at 40%.

Once the overall importance and feasibility ratings were determined the sorting tool was used to find comments of the greatest importance and feasibility. The PNNL team came to a consensus that the factors that comprised the final ratings in the main categories accurately portrayed the importance and feasibility of the tasks that needed to be completed in response to the peer review input.

2.2.4. Overall Rankings, Short-term and Long-term Goals

The importance and feasibility ratings were then weighted and summed to attain an overall ranking ranging from 0-50.² There were two overall rankings, one for short-term goals that can reasonably be addressed before Lightfair and the release of Version 1.0 and another for long-term goals that will greatly enhance the tool but cannot be addressed immediately.

The set of short-term goals was weighted heavily by the feasibility of the task completion prior to Lightfair. The importance of the comment accounted for 40%, while feasibility represented 60% of the short-term goal ranking. This weighting process still accounted for the importance of the comments, but brought less detrimental stylistic and agreement errors with higher feasibility to the top of the list. Examples of comments that attained higher short-term rankings than long-term rankings are (1) photometric images not showing, (2) making the strategy and control tabs more obvious, or (3) increasing the size of the vignette box so it is not necessary to scroll.

² The overall ranking was multiplied by 10 so that the range could be viewed as whole numbers rather than decimal points to better illustrate the variances.

The long-term goal rankings were assigned a different weighting of the importance and feasibility ratings that put much more emphasis on the importance of the comments. In this case, feasibility accounted for 15% of the total, where importance was valued at 85%. This process ensured that extremely important aspects of the webtool that are more difficult to implement such as (1) considering changes to vignette design, (2) adding additional vignettes, or (3) including additional space types were high on the list of priorities for the path forward post-Lightfair.

In consideration of timeline and resources, the overall ranking was reviewed to determine thresholds for practical resolution of the comments. All comments that were ranked above 40 in the short term had their actionable solutions made into tickets to be resolved. The practicality of resolving the comments that were between 35 and 39 was analyzed on an individual basis. All comments below the short term ranking of 35 were either established as “LT” for long term goals, or To Be Determined (TBD) for comments that did not have an obvious solution, but require additional considerations that will be worked through before Lightfair.

2.2.5. Unrated Comments

There were several comments that were either unrated, or have not been made into actionable ticket items yet. The reasons that comments have not been rated or set into motion to resolve are:

- Some ratings had a higher level of uncertainty because they needed additional research to determine the level of effort required to resolve the comment. Although the solutions to these comments might have a rating in the high 30’s, the actual solution requires greater consideration than what could be established before the peer review report deadline. The status of these comments remains TBD.
- Comments that were made infrequently regarding the functionality of the webtool that we have been unable to replicate have a status TBD.
- Comments that expressed opinions, e.g. “perspectives are very helpful,” or “tool is very intuitive and easy to use” were not rated at all, but included on a separate tab. There are ~50 comments that fall under this category.
- Positive comments were unrated and are contained in a separate list within the data set in Appendix E.

The numbered ratings were designed to be a guide and were not the sole factor driving prioritization. We viewed the ratings and threshold for comments to address analytically, and adjusted the comment priority accordingly. The final prioritization allows for modification from the ranking, but allows flexibility in establishing the ultimate viability of each action item.

3.0 Recommendations

3.1 Development of Recommendations

The spreadsheet and rating system proved to be very helpful tools in establishing reasonable goals for the short and long-term enhancements of the webtool. The organization of the spreadsheet has provided a straightforward range of recommendations for the improvements to the CLS that are clearly categorized and applicable.

At the completion of the rating process, all of the comments were ranked based on the assumptions and weighting factors indicated above into a list ranging from 0 – 50. These overall

rankings provided guidance about which tasks can and should be the highest priorities for inclusion in the CLS Webtool version 1.0, scheduled for release at the Lightfair conference in New York City in May 2009.

3.1.1. Prioritization Ranges

For the purposes of prioritization, the following ranges were identified for A, B and C priorities:

- Comments ranked at 40 and above were considered highest (A) priority, and will be addressed using TRAC tickets for version 1.0.
- Comments in the range from 35-39 were considered high priority (B), and likely but not definitely achievable for version 1.0. A concerted best effort will be made to resolve comments in this range.
- Comments in the range from 30-34 were considered medium priority (C), and will only be addressed for version 1.0 if there is time after priorities A and B are completed.
- Comments in the range from 0-29 will be addressed in the next version of the software.

Most of the A priorities and many of the B priorities have already been turned into TRAC tickets as of the writing of this report (see Section 3.3 and Appendix E). The TRAC ticketing tool is a wiki-based list, and as such is dynamic and frequently changing as new information becomes available.

3.1.2. Exceptions to Prioritization Ranges

As noted above, the prioritization process was intended to serve as an overall sorting tool but in some cases will not serve to provide a definitive decision. There were a few comments arising from peer review input that were rated as having the highest importance and high difficulty. After discussion by the team it was agreed that several comments were going to be addressed in spite of the challenge level. These comments are considered necessary in order to achieve due diligence in responding to peer review comments in version 1.0. These exceptions are listed below.

- Add an “other space” category so users can enter parts of their building that are not included in the vignette offerings.
- Provide more detail in the Energy Summary about the impact of control strategies per vignette.

3.2 Top Ten List of Priority Short-Term Recommendations

Here is the list of the top ten most significant and relevant improvements that will be made within the webtool for version 1.0. These tasks may involve numerous smaller steps (TRAC tickets) to get to completion, but they are provided here in a more general summary format for clarity.

- (1) Automatically select energy code based on user location.
- (2) Move application into a new window after login to eliminate back button errors.
- (3) Develop virtual screencast tour to provide introduction to webtool at the beginning of the process.
- (4) Provide workflow guidance using help menu and step-by-step guidance at the key plan.

- (5) Increase the size of the vignette list pop-ups to reduce need for scrolling, and to ensure users can see the square footage input box.
- (6) Provide more guidance on daylighting and controls, to help users understand more clearly the process of picking controls, how it is dealt with for energy analysis, and how to execute the strategies.
- (7) Incorporate suggested text edits, fix database feeds (conditional logic) for missing graphics and resolve content errors.
- (8) Create “How To Use This Packet” instructions in the implementation packet, and improve formatting and layout.
- (9) Add more detail about energy consumption in the Energy Summary (e.g., kWh per vignette).
- (10) Add an “other space” category so users can enter parts of their building that are not included in the vignette offerings.

3.3 TRAC Tickets

For the purposes of comprehensive reporting, the TRAC ticket list has been exported into a chart format and shown with A and B priorities in Appendix D.

3.4 Peer Review Input Data

The master spreadsheet containing all of the peer review input is contained in Appendix E.

3.5 List of Long-Term Priority Recommendations

As expected, there are a number of recommendations considered to be high priority by the reviewers and by PNNL but are too ambitious to be completed for Version 1.0. Below is a list of tasks for consideration for the next version of the webtool.

Long Term Goals	Reason for the Long Term Nature of the Goal
Add Title 24 and CBECS baselines into the tool, so the webtool can be available to California users and organizations that have committed to the Architecture 2030 goals.	Since these baselines allow for multiple means of compliance including them as baselines will require more involved energy analysis.
Increase the diversity of the designs and building types to cover more of the REA members’ needs and to increase applicability to those utilities who want to use CLS in their rebate and incentive programs.	Additional designs will require lighting designers to be subcontracted, and integrating any new vignettes or building types will be a substantial amount of work.

<p>Add the project data collection interface to the tool so the energy savings estimate can be made more accurate as design and contract documents are generated and so utilities can use the output for incentive submittals.</p>	<p>Including the data collection interface is a substantial software development effort and needs to be done with the intention of connecting to compliance tools.</p>
<p>Find a way to address economic and/or payback considerations.</p>	<p>A lighting technology database that is capable of reflecting costs varying by location and project scope will be necessary before a meaningful economic analysis can be applied to the designs. There is a large margin of variability and this is a time intensive task.</p>
<p>Implement a content management system with a mechanism to streamline new content and manage internal and external review.</p>	<p>As the content in the webtool increases a new system needs to be established to facilitate content management. Research must be done to ensure that the system chosen will provide the desired solutions.</p>
<p>Provide additional guidance on Daylighting envelope design for various climates.</p>	<p>There is currently no party that provides this type of comprehensive instruction for a specific building type. Numerous research papers will have to be applied by an expert in the field.</p>
<p>Expand energy summary to include HVAC impact as affected by various lighting strategies.</p>	<p>Whole building energy simulation models will need to be run in all of the climate zones with daylighting aperture recommendations in mind.</p>

4.0 Conclusion

The peer review data collection process was effective in gathering sufficient input from the appropriate range of stakeholders in a way that allowed for a meaningful understanding of the issues and useful ideas about improvements. The data analysis and prioritization process was thorough and efficient, yielding reasonable goals and a clear path forward. The master spreadsheet will continue to be used as a tool as appropriate throughout the resolution of comments, and will be an effective tool for future peer reviews. PNNL plans to use the peer review input, in both the near and long-term, to improve the value of the CLS webtool.

Appendix A: Reviewer List

Category	First name	Last Name	Contact Information
External Reviewers			
Categories: Engineer, Lighting Designer, Manufacturer, Retailer, State, Utility, Energy Efficiency Program Sponsor (EEPS), Core Team			
Core Team	Barb	Hamilton	New Buildings Institute 509-493-4468, x15 office 503-704-8870 cell
EEPS	Jon	Linn	Northeast Energy Efficiency Partnerships Belfast, ME 04915 207-338-9705 office
Engineer	Tate	Betz	Henderson Engineers, Inc. Lenexa, KS 66214 913-742-5676 office
Engineer	Lisa	Coyan	Henderson Engineers, Inc. Lenexa, Kansas 66214 913-742-5347 office
Engineer	Nick	Ferzacca	Architectural Engineers, Inc. Boston, MA 02110 617-542-0810 x111 phone
Engineer	Nick	Gordon	Henderson Engineers, Inc. Lenexa, Kansas 66214 913-742-5300 office
Engineer	Mark	Hershman	Henderson Engineers, Inc. Lenexa, Kansas 66214 913-742-5347 office
Engineer	Brandon	Manning	Henderson Engineers, Inc. Lenexa, Kansas 66214 913-742-5345 office
Engineer	Julie	Pierce	Henderson Engineers, Inc. Lenexa, Kansas 66214 913-742-5360 office
Lighting Designer	Kathy	Abernathy ³	Abernathy Lighting Design, Inc. N. Providence RI 02911 401-233-4412 office

³ Chairperson, IALD Energy and Sustainability Committee.

Category	First name	Last Name	Contact Information
Lighting Designer	Jim	Benya	Benya Lighting Design West Linn, OR 07086 503-657-9157 office
Lighting Designer	Leslie	Davis	Leslie Davis Lighting California 510-798-8635 cell
Lighting Designer	Hayden	McKay	HLB Lighting Design New York, NY 10003 212-674-5580, x133 office
Lighting Designer	Naomi	Miller	Naomi Miller Lighting Design Troy, NY 12180 518-272-2745 office
Manufacturer	Greg	Subisak ⁴	Holophane Granville, OH 740-349-4798 office
Manufacturer	Craig	Dilouie	Zing Communications Calgary, AB T2T 0C8 403-802-1809 office
Retailer	David	DeVos	Kohl's Menomonee Falls, WI 53051 262-703-2058 office
Retailer	Amy	Laughead	Macy's
Retailer	Bill	Lyon	Macy's Duluth, GA
Retailer	David	Oshinski	Home Depot Atlanta, GA 30303 770-384-4139 office
Retailer	Seth	Stutzman	Whole Foods TX 512-413-4229 cell
Retailer	Scott	Williams	Target Minneapolis, MN 612-761-1623 office

⁴ Chairperson, IESNA Retail Applications Committee.

Category	First name	Last Name	Contact Information
Retailer	Ralph	Williams	Wal-Mart Bentonville, AR 72716-0550 479-273-4279 office
State	Vance	Barr	NYSDPS New York State Dept of Public Service, OEEE Albany, NY 12223 Floyd Barwig: 518-474-5368 office
State	Marilyn	Dare	NYSERDA Albany, NY 12203 518-862-1090, x3348 office
Utility	Gabe	Arnold	Efficiency Vermont Burlington, VT 05401 802-658-6060 x1085 office
Utility	Fran	Boucher	National Grid Waltham, MA 02451 617-620-1825 cell
Utility	Tom	Coughlin	National Grid Waltham, MA 02451 781-907-1582 office
Utility	Michael	McAteer	National Grid Northboro, MA 01532 508-303-7225 office
Internal Reviewers			
Internal Team	Rosemarie	Bartlett	PNNL Richland, WA 99352 USA 509-375-6606 office
Internal Team	Sean	McDonald	PNNL Washington, DC 202-646-5226 office
Internal Team	Jason	Tuenge	PNNL Richland, WA 99352 503-417-7541 office

Appendix B: Webtool Page Reference File

NOTE TO REVIEWERS:

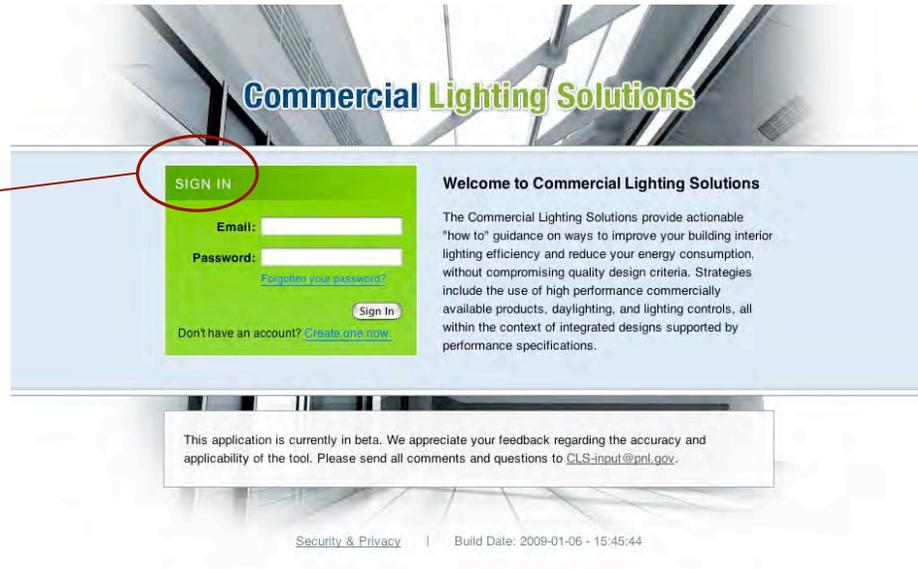
THANK YOU for taking the time to give us feedback on the Beta version of the Commercial Lighting Solutions webtool. We have provided a separate spreadsheet form for your use in capturing your comments (file name "CLS Spreadsheet Input Form (1-09).xls"). In order for our team to process your comment, we need to locate it within the tool. Where applicable, please help us by listing both the store type (e.g., Grocery, Pharmacy) as well as a reference webpage location name. Below you will see examples of names for the various pages within the tool.

Sincerely,

The Commercial Lighting Solutions Team

REFERENCE
WEBPAGE
LOCATION
NAME:

Sign-in



REFERENCE
WEBPAGE
LOCATION
NAME:

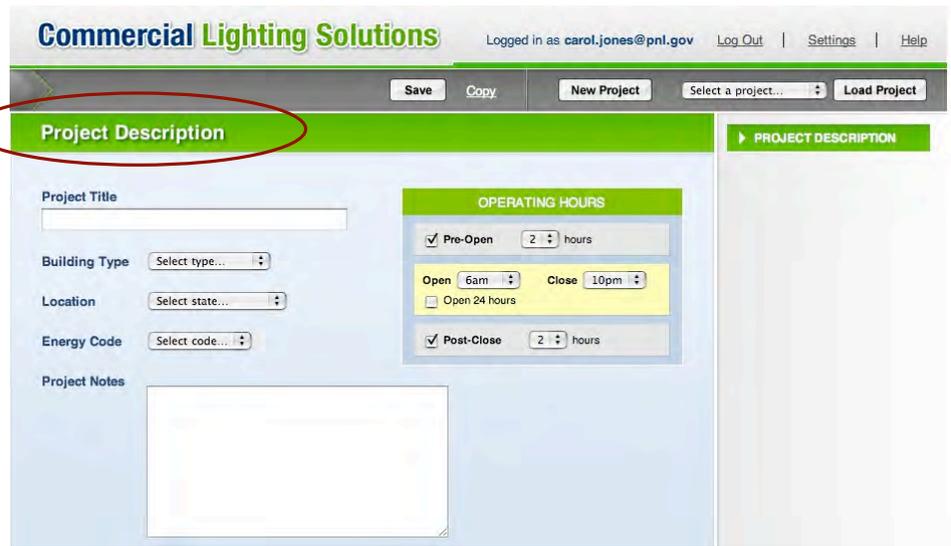
New Project



Reference Webpage Locations Names, for CLS Peer Review Input Form

REFERENCE
WEBPAGE
LOCATION
NAME:

**Project
Description**



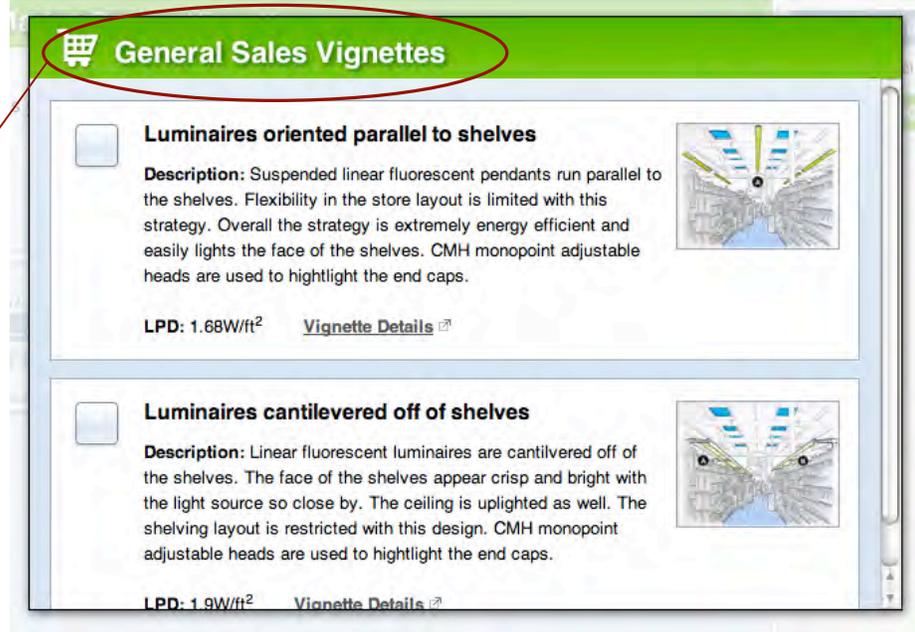
REFERENCE
WEBPAGE
LOCATION
NAME:

**Specialty
Market
Key Plan**



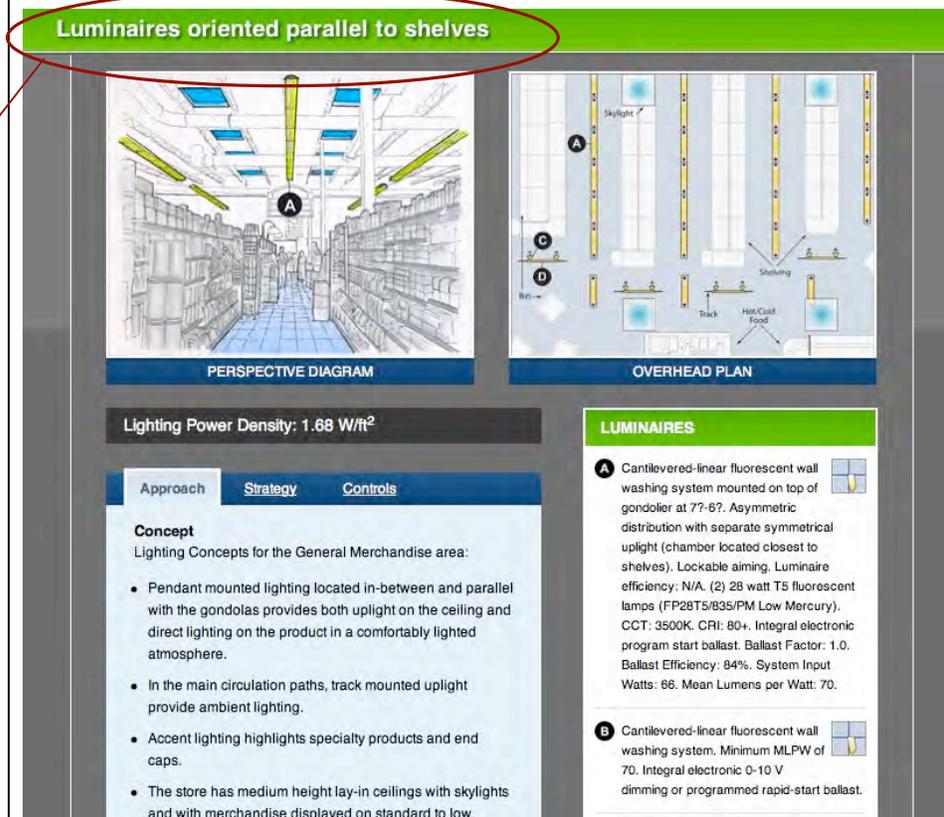
REFERENCE
WEBPAGE
LOCATION
NAME:

**General Sales
Vignettes**



REFERENCE
WEBPAGE
LOCATION
NAME:

**Luminaires
oriented parallel
to shelves**



Reference Webpage Locations Names, for CLS Peer Review Input Form

REFERENCE
WEBPAGE
LOCATION
NAME:

**Control
Strategies**

The screenshot shows the 'Control Strategies' page in the 'Commercial Lighting Solutions' application. The user is logged in as 'carol.jones@pnl.gov'. The page title is 'Hypothetical, MA'. The main heading is 'Control Strategies'. Below the heading, there is a sub-heading 'Select the control strategies you intend to implement in your building.' and three strategy options, each with a checkbox and a 'details' link: 'Daylighting', 'Nighttime dimming', and 'Switching during stocking'. A 'Next' button is visible at the bottom right. A progress bar at the bottom indicates 28% completion. On the right side, there is a sidebar with 'PROJECT DESCRIPTION', 'DESIGN VIGNETTES', 'CONTROL STRATEGIES', and 'DOWNLOADS' sections.

REFERENCE
WEBPAGE
LOCATION
NAME:

Downloads

The screenshot shows the 'Downloads' page in the 'Commercial Lighting Solutions' application. The user is logged in as 'carol.jones@pnl.gov'. The page title is 'Hypothetical, MA'. The main heading is 'Downloads'. Below the heading, there is a message: '1. Your documentation is ready. The link below contains the energy savings summary for the design vignettes and control strategies you selected to implement in your building.' There are two download links: 'Download Documentation - Energy Savings Summary' and 'Luminaire Schedule'. On the right side, there is a sidebar with 'PROJECT DESCRIPTION', 'DESIGN VIGNETTES', and 'DOWNLOADS' sections.

Appendix C: Peer Review Input Spreadsheet

Commercial Lighting Solutions, Peer Review Input Form

Date:
Commenter Name:
Organization Name:
Mac or PC:
Operating System:
Browser & Version #:

COMMENT TYPES / QUESTIONS
Functionality: Does the tool work the way it's supposed to? Are there bugs, problems?
Appearance/Aesthetics: Do you like the way it looks?
Content: Do you like the content of the tool, including designs, text descriptions, graphics, luminaire chart, etc?
Ease of Use/Flow: Does the webtool lead you through the process well? Is it intuitive?
Download Materials: Do you have feedback about the Energy Summary, Vignette Summaries and Implementation Instructions or Luminaire Schedule?
General: Do you have any comments that apply to the whole tool or defy categorization?

Comment Type	Store Type <i>(if applicable)</i>	Reference webpage or other location <i>(see "Reference.doc")</i>	Comment Description: Issues, Suggestions & Requests
Functionality			
Appearance/Aesthetics			
Content			
Ease of Use/Flow			
Download Materials			
General			

Appendix D: TRAC Ticket List

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
76	A	Vignettes descriptions_ global formatting problem_ unintended hard return	Example: Discount Big Box. General - Perpendicular 21 - Approach tab. The text "...temperature: 3000K 3500K" is broken into two bullet points. (Typical of others.) Another example is: The text "...displayed on 8-0 height gondolas" is broken into three bullet points.
68	A	Vignette Implementation header isn't indented.	
51	A	Add contextual help to define Building Types	Add a '?' link which points to a detailed description of the building types and how the labels apply to actual store types. Just links to an anchor in the main Help page.
35	A	Move application into a new window without browser toolbar after login	Several users have mentioned problems with the application when they hit the back button. Refactoring the app to utilize the back button is not an option at the moment_ so we should remove the temptation to use the button by moving the user into a new window after they log in. COMcheckWeb and REScheckWeb have used this strategy successfully.
109	A	Double check validity of illuminance criteria	the max & min would result in different w/sf solutions; state what this means (ave maintained_ initial_ max-min for a mid range?)_100-150 FC may damage produce (cmh downlights over oranges display in local market caused fruit to warm - customers don't want to buy warm fruit or produce.
22	A	Create a Control Strategy Detail page - front end	A new page similar to vignette details that would get rid of the control strategies details PDF.

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
25	A	Luminaire Schedule - handle dimming/switching	Change Nighttime dimming description from "Non-daylight dimming" to "Dim electric lighting to accommodate nighttime visual adaptation level._Change "Occupancy Sensors" description from "Occupancy Sensors" to "Dim or switch electric lighting when associated areas are vacant_Nighttime dimming shows up under Control Strategy but was not selected; I revised one area to include daylight dimming & nighttime dimming still shows up.
60	A	Improve Control descriptions to include operating hours and applicable spaces	Makes perfect sense. Straightforward information. I wonder though_ since I chose "Switching during Stocking" -- it does not reiterate WHAT has been applied for this choice. I assume that whatever savings have been calculated with info from the opening screen (identifier of open hrs_ pre-post open hours) --- shouldn't there be a reminder/clarification in the Savings Discussion of the assumptions? (Such as "Half the fixtures turned off entirely for a total of 4 operating hours.")
71	A	Imrpove login box so that "Register" link is obvious	Users seem to need a little more obvious Register link_ to make sure they know they need to do so.
64	A	Add Building Type to Vignette Details page	
58	A	Location selection defect	selecting a project location from the drop-down boxes present_ the selection consistently misses my choice. ↯Selecting New York repeatedly gave me North Carolina and the other drop-down box selections made similar mis-direction errors. ↯↯
111	A	Reconsider CCT Range	Are we sure that we want to limit users to a max of 3500K? 4100K looks good with daylight_ and most of these designs have skylights_Expand the color range to 4100K
52	A	Add contextual help to Hours of Operation to define terms	Add a '?' link to Help with definitions of "Pre-open" and "Post-open"

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
63	A	Recommend having the report download link include a PDF icon so you know it's a PDF you're getting.	
91	A	Provide guidance for users to find products to implement their designs	From the luminaire schedule_ how can a user get to where they can specify a product? There needs to be a user-friendly translation of the generic specs to a project fixture schedule with catalogue information_How do you address product quality? That is - making sure you are comparing equal products_Luminaire schedule has a lot of good information - still leary of overall product description as it relates to quality.
97	A	Clarify lighting inputs_ limitations of tool_ etc.	Clarify if or how stock room lighting is entered_Clarify if or how offices_ break rooms or other back-of-house lighting is entered_Clarify if or how sub let lease spaces such as bank tenants lighting is entered_LPD guidelines for design options are helpful tools to utilize for budgeting the lighting design at the beginning of a project - but tool should not be used as the full "recipe" to design various spaces. Need to be clear that these are estimates and intent is to make end-use aware of issues_In Energy Summary-- put in a note that this does not account for AC etc.
75	A	Text content edits	Text edits on vignette descriptions_ vignette summaries_ luminaire descriptions_ control strategies_ and titles.
90	A	Adjustments to perspective drawings	Incorrect luminaire housing or placement indicated in perspective_ grid agreement_ skylight agreement_

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
96	A	Clarify (range of) mounting heights in/before vignette choice	Find a way to describe your representative type of building way back at the project description page. Building type descriptions?_Vignette Implementation is good_ required assumptions & dimensions are noted. Would like to see a reference to this section earlier on - took me awhile to find this_ there is no reference anywhere regarding the issue of mounting heights
70	A	Do NOT allow duplicate project titles	
113	A	Empty sections in download material should be omitted	null text should not be displayed, e.g. project name and quick tips (the latter subject should not appear at all if empty)
104	A	Ballast/wiring agreement for dimming in control tab/vignette	Luminaires A - describes dimming ballast but I did not choose a dimming option_Dimming recommended but types A and B aren't dimmable_General Notes on ballasts are not consistent with the ballasts used in the vignette-no information about the dimming ballasts
85	A	Remove link to example documentation on download page	From commenter: Perhaps you should get rid of the example documentation now? It shows up before the download links and says that the documentation is not related to the vignettes that you pick. This creates disappointment even though in reality the custom documentation is loading to the links.
37	A	Vignette images should be larger/expandable	Users would like to see a higher-res version of the vignette images. I assume they mean from the Vignette Details page: a click on the thumbnail in the dialog will get them more info. We can implement a "lightbox" feature that uses the high-res versions of the images so that users can see more detail before selecting the vignette.
89	A	Strategy and Controls tabs should be more obvious	Commenter: "It wasn't obvious to me that I should also hit the strategy and controls tabs. There is very important information there_ is there a way to make it more obvious? Maybe buttons instead of tabs? Or numbering them?"

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
45	A	Downloads page should better reflect the user has reached an endpoint	Users don't feel any sense of accomplishment when they reach the Downloads page. They aren't sure what they're getting_ or if they're done. We need to make it clearer that these files are the end result of the application (at least for Phase 1).
49	A	Selected vignette is not always visible when the dialog opens	If you click on a space with a stored vignette and there happen to be multiple choices available_ there's no guarantee that the vignette you chose will be visible when the dialog opens. The dialog should be automatically scrolled to that vignette when the dialog opens_ with the area input visible.
83	A	Make a "How to use this packet" for Implementation Instructions	From commenter: An explanation is needed about why the luminaire labels have changed from A_B_C to RMC1s_ etc. Perhaps a letter in-between the summaries and implementation guidance? Or a summary of the contents of the packet at the beginning? Maybe a "how to use this info" added to the introduction.
79	A	Analyze nighttime dimming calculations with Mike	Nighttime dimming doesn't seem to be calculating properly. Need to define some use cases and analyze the calculations with Mike.
115	A	General Formatting Issues	Database not feeding to vignettes, no vignette description, gray background inconsistent
88	A	Technical details and/or labels are not in agreement	Erroneous descriptions_ photometric curves that don't sync with distributions_ A/B/C labels that don't match_ lamp descriptions that don't match_ descriptions for wrong luminaires.
43	A	No way to close the Vignette dialog without selecting a Vignette	When we moved the dialog footer to be associated with the Vignette box we removed any ability for the user to close the dialog ("Cancel" operation) without first selecting a Vignette. We might consider moving the "OK" and "Cancel" buttons back out into a footer area.
78	A	Text content under approach/strategy is sometimes missing	Look under "missing" category to find details about where things are missing.

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
95	A	Provide more maintenance information on vignette pages and energy summary	Maintenance issues are a nice addition - need to elaborate_The Vignette Summary "Maintenance Issues" section should be more descriptive regarding cleaning of luminaires. A "damp rag" is vague. A note should be added to consult manufacturer guidelines for cleaning to ensure fixture longevity and maintain warranties.
107	A	Provide additional design input	There doesn't seem to be consideration given to other daylighting strategies like interior reflective surfaces and variable shelving/display case heights.
92	A	Adjustments to plan drawings and agreement between plans/perspectives	Ensure luminaire agreement in strategy and what is shown in drawing_ agreement of ceiling tiles/skylights/and luminaire types as well as agreement with perspectives
41	A	Energy Savings footer is non-obvious	People are not understanding the purpose of the energy savings footer. Some believe the percentages refer to the work needed to "complete" the application. We need an explicit "Energy Savings" label for the percentage bar.
80	A	Provide additional daylighting and controls documentation in downloaded report	
82	A	Navigation panel to control strategies unchecked checkboxes	From commenter: I proceeded through the entire app using "Next" and selected all 4 control strategies. When I clicked on Control Strategies in the right pane_ all of the checkboxes were no longer marked.
93	A	Clarify intended audience	One thing missing is a description of "who is this program intended for?" I wasn't sure if it was for a client_ architect_ junior designer_ or senior designer. When I opened this program in my browser_ I had no knowledge of the intent of the program nor any basic instructions of how to use it. Perhaps a more descriptive introductory page with a short description of the intended user would help.

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
94	A	Include glossary to make technical language accessible	If you're trying to reach non-lighting experts_ and this tool's point appears to be just that_ there needs to be vignette description that is for the non-lighting expert_ then description for the lighting expert to implement. There needs to be in other words some layering of hte content to appeal to the different audiences. As it is right now_ it is heavily oriented to lighting experts_make language more accessible
103	A	Explanation for requested information	Tell folks the reason why we are asking for hours. Controls strategies can vary.
100	A	Controls- provide more implementation guidance	I think it would be interesting to provide recommendations or more guidance about controls_It will be important to provide detailed guidance about how to execute the controls strategies
108	A	Change Luminaire/Lamp Designations	lamp catalog number (or code) should be generic - here shown as a GE lamp (SPX)T639W_ shouldn't there be a delimiter between T6 and 39. What about the difference in lamps from 35 and 39? (note to CCJ: add the caveat language that I sent to Barb for ALG)_
53	A	Energy code choice not reflected in report	From user: "The Energy Summary is showing my baseline code incorrectly. I picked IECC 2006 and it shows 90.1-2004 in the Energy Summary documentation."
69	A	Delete quotes at beginning and end of Assumptions and delete "a" from "design include a dimensions"	
77	A	Some of the photometric icons/thumbnails are still missing	Make a list of what's missing and make sure it's on the share drive. I think we got most of these done but didn't get them fed into the database.

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
48	A	Remove Vignette is confusing	Users are confused about how to remove a Vignette from the Key Plan. They expect to be able to uncheck the box and click "OK". The explicit "Remove" link seems unwanted. Perhaps we should only have the "OK" button_ and have the current settings stored when the user exits the dialog.
15	A	Missing images	We're missing the following hi-res RCP files: VRG3c-RCP-IS.jpg VRG3c-RCP-DH.jpg And the following hi-res perspective images: VRG3c-RCP-DH.jpg VRG3c-PER-HI.jpg VRG2c-PER-HI.jpg VRG2b-PER-HI.jpg VRG2a-PER-HI.jpg VRG1c-PER-HI.jpg VRG1b-PER-HI.jpg VRG1a-PER-HI.jpg
42	A	Can't see area input after selecting a Vignette	The space area input is often hidden after the user selects a vignette. Even if it is visible users don't notice it at first. More attention should be placed on the field so that users know what to do next.
38	A	Feedback from a Save operation is non-obvious	Several users mentioned issues with saving projects_ mostly related to not knowing when their project is saved and when it is not. We may want to differentiate the Save button from the New and Load buttons. We also need better feedback when a Save is complete. Users mentioned the "Loading..." message from DWR_ which is counterintuitive and address in #19. We should also have some sort of "Done" message or icon that results from a callback after the Save operation.
59	A	Grey out "Next" button for required fields	I see a NEXT button appears when I fill out the REQUIRED fields_ but usually there is an asterik next to required fields to alert me to that. Suggest you GRAY OUT the NEXT button rather than make invisible and add some message about Required Fields next to it. This is a web convention.
50	A	Users don't know what to do with the Key Plan	The Key Plan interface is not intuitive. People eventually figure it out_ but it should be a little more inviting to click on.

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
29	B	Conditional logic for images in implementation instructions	The luminaire layout in the implementation instructions requires conditional logic to list the correct specific luminaire type on the page.
36	B	Backward navigation is confusing	Users are confused about how to step backward in the process to adjust their information. Admittedly_ I didn't think this was going to be common use case; I assumed users would be more interested in moving forward rather than tweaking. The right-hand navigation is useful to users once they understand that they can use it_ but it's non-obvious. We should consider re-working the "Next" functionality_ possibly adding a "Back" link and moving both into the "Section Title" portion of the UI.
114	B	Changes in PDF creation/labeling	Change default name of "implementation"_ Consider compressing files by lowering resolution (commenter reduced 10.2 MB to 2.9 MB)_The spacing dimensions in the implementation instructions are too small to read.
102	B	Add links to additional design guidance/education	Can we provide education about T8 vs. T5?_Refer folks to the Light + Design Guide. Far more specific and current than chapter 10 of Handbook_Link to where requirements are provided? IESNA table?
67	B	Remove extra "Vignette Summary" heading at end of section	There is a blurb at the end of each implementation and summary that is not supposed to be there_ a repeat from above.
47	B	Check boxes are confusing: users expect checkbox behavior	The check boxes in the Vignette dialog behave like HTML radio buttons_ but users expect HTML checkbox behavior. The Controls check boxes exhibit that behavior_ but they look the same as the Vignette selection. We need to differentiate these based on look_ or make them behave the same.

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
73	B	Create Help page	The Help page should feature an index of the content and text descriptions of each part of the application with screenshots where applicable. The Help page should also include a link to the screencast.
44	B	Vignette selection dialogs have size issues	The Highslide dialogs won't respect max-width settings and sometimes when there are only one or two vignettes to choose from you can't see everything by default (you need to resize the dialog manually). There's enough room to see those_ and they user shouldn't need to scroll in those situations. This also exacerbates the problem with the visibility of the space area input. Consider switching to the jQuery UI dialog_ which is a little less fancy and may require some work to set the size ourselves_ but we'll have better control over position and size of the dialog.
105	B	Clarify what we mean/process	Grocery_ Do you really mean freezer cases or refrigerated cases_
4	B	Table of Contents for PDF	
106	B	Provide Daylighting Guidance	_Does the program tell me how many skylights I need to achieve the savings that are promised? You should provide meaningful guidance about the non-electric light. Can you provide options for different levels of daylighting? The choice of how many skylights you use correlates with savings_Design advice about toplighting is needed for folks to be sold and to implement_
61	B	Add selection option for "all night stocking"	I have a store that stocks all night_ can you add a check box for all night stocking?
101	B	State applicability of vignettes	Are these vignettes for store open or for stocking?_Obviously_ severely limited in choices right now in terms of design options. Assume that these will continue to evolve. Need to make it clear that these are not only options; they are just useful ideas that have been successfully implemented in

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
99	B	Controls- clarify control strategies of designs	You need to tell folks that the dimming only applies to linear fluorescent_ or they may not choose daylight dimming because they know CMH is in the design_ which shouldn't be dimmed. It's good that you've made sure not to dim the wrong layers_ but you need to make sure that people know this_The switching during stocking_ are we recommending automatic or manual? Our implementation guidance needs to require it to be automatic_What areas are the controls applying to? How do I know when daylighting is or is not being used in a particular area? How do I know that you are not dimming the metal halide?
110	B	Double check energy savings	In a big box store_ I would expect the daylighting savings to be greater. When I hit the controls strategy for daylighting it only changed 5%. Double check the savings calculations_(pharmacy) I believe this is the only instance of parallel outperforming perpendicular_ Will the nighttime dimming only be 1-5%? If it's 20% or thereabouts_ noone will even notice that_ I'm surprised the LPDs aren't lower. Are you using light levels on the high end?
86	C	Provide allowed LPD for reference in download packet	Some people would like to see what they are comparing to (allowed) in LPD's. Commenter: "Would like to see tool reference back to either energy code or IES for various information. Any way to link to a specific chart with value highlighted?" Make clear that LPD for vignettes is for vignette, not allowable LPD
62	C	Support user-entered space	For the specialty" vignettes_ can there be a place where the user fills in the function so it is easier to keep track of? Eg Coffee bar_ or flower shop. It should be possible to add more than one specialty space_ with the possibility of different vignettes." We're thinking: give user ability to enter additional spaces and/or additional kwh (NOT vignettes)

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
112	C	Possible changes to current Vignettes/luminaires	Comments range from ballast type and efficiency choices_ lighting technology used in certain spaces_ controls recommendations_ to ballast location. Please see master spreadsheet for specific comments
46	C	Automatically select Energy Code based on location	Users have requested that the application automatically select an Energy Code for them based on location. Some have even suggested that the field not be user-editable.
55	C	Loading the "grocery" project for ed1@world.com introduces controls weirdness	Controls will be listed as "Undefined" and the list seems to grow the more times you load the project.
31	C	Import luminaire from excel	Develop a method to auto-pull excel formatted luminaire schedule into database.
87	C	More detail is wanted in Energy Summary	Utilities in particular want to see energy savings per vignette in the Energy Summary. e.g._ kWh per vignette_ not just in summary. Can we include load profiles_ or some sense of demand response opportunity? Commenter: "Would be nice to see estimates of how much energy can be saved with control strategies - currently only have boxes checked."
74	C	Redesign "intro" page	The "intro" page with the New Project and Load Project boxes could be used for something more. We can include a 1-2-3-4 step graphic to give the user a hint of what each project will entail_ and a link to the screencast which would walk them through the application (similar to how Apple does it with new products on their homepage).

TICKET #	PRIORITY	SUMMARY	DESCRIPTION
57	C	Stuck between pages - trouble navigating back and forth	I found that when navigating back and fourth by clicking on the different titles in the navigational bar on the right hand side of the screen that the screen would get 'stuck' between two input screens. For example: clicking back and fourth between the bar titled 'Project Description' and 'Design vignettes' results in the screen displaying a 1/2 portion of each input screen. Using the 'next' button while the screens are stuck half-way results in a incomplete page advancement such that the display remains stuck between two input screens. For troubleshooting purposes - my display resolution is set to 1280 by 1024 pixels.

Appendix E: Master Comments List

February 2009

Webteam

E-1

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
D Oshinski	DO2	Retailer	Big Box Discount	Vignette pop-ups	Tabs for Approach, Strategy and Content are not easy enough to see. They shouldn't be white.	Flow	Appearance/Aesthetics	89	2	5	4.4	5	5	5	5	39.5	32.4
D Oshinski	DO3	Retailer	Big Box Discount	Vignette pop-ups	Why are the labels for Approach, Strategy and Content dark in one vignette but white in another?	Flow	Appearance/Aesthetics	90	2	5	4.4	5	5	5	5	39.5	32.4
R Bartlett	RB6	Generalist			As soon as I changed the hours for Open/Close, the Pre-Open and Post-Close drop down boxes became wider and hid part of the word "hours" after them so it appeared "hours" was misspelled	Style Changes	Appearance/aesthetics	TBD	1	4	3.4	5	3	1	3	31.6	33.4
C DiLouie	CD5	Manufacturer		New project	This page screams for a graphic. Marketing opportunity here, maybe continue the look from the first page?	Style Changes	Appearance/aesthetics	74	1	2	1.8	4	5	5	4.7	35.4	22.4
J Tuenge	JT8	Core Team	Discount Big Box	General - Perpendicular 21	The light gray background region is longer for this tab than for the other two.	Style Changes	Appearance/aesthetics	115	1	3	2.6	5	5	5	5	40.4	29.6
B Hamilton	BH6	Core Team			The perspective and Overhead plans are barely big enough, but at least I can see what is going on and I know to scroll. Clearly you are vertically challenged here. Is there a way to make the vignette pop-up a bit wider, so you can see somewhat more of the text and perspective sketch before needing to scroll? Since most vignettes only have 2 options - wouldn't it make sense that they are both visible instead of Barely not visible?	Visibility Issues	Appearance/aesthetics	37	3	4	3.8	4	5	5	4.7	43.4	39.4
S Stutzman	SS4	Retailer	Specialty Market	Produce	Could the thumbnails be a little larger so I can see them more clearly from the vignette list?	Visibility Issues	Appearance/aesthetics	37	3	4	3.8	4	5	5	4.7	43.4	39.4
H McKay	HM15	Lighting Designer		Perspective / plan	The images are so tiny. Is it possible to click on them to enlarge them. Can't see the track lights or the lettering without a magnifying glass.	Visibility Issues	Appearance/aesthetics	37	3	4	3.8	4	5	5	4.7	43.4	39.4
C DiLouie	CD4	Manufacturer		all vignette pages	First, perhaps the drawings could be clicked to see larger. After all, the FM is going to be very concerned about how the lighting and merchandise layouts work together.	Visibility Issues	Appearance/aesthetics	37	3	4	3.8	4	5	5	4.7	43.4	39.4
R Bartlett	RB7	Generalist			On any vignette selection screen, if I move my cursor over the "Vignette Details" link, the checkbox and the diagram shift left for that selection; they shift back to the right after I select a checkbox but then shift left again when I enter Area	Flow	Appearance/aesthetics	TBD	1	5	4.2	5	5	5	5	46.8	43.2
J Pierce	JP17	?			Would be nice to see reference/link to calculation - both baseline & new	Additions	Content	86	2	3	2.8	1	1	1	1	17.2	25.3
J Pierce	JP7	?			Would like to see tool reference back to either energy code or IES for various information. Any way to link to a specific chart with value highlighted?	Additions	Content	86	2	3	2.8	2	3	3	2.7	27.4	27.9
J Pierce	JP18	?		Energy Summary	Would be nice to see estimates of how much energy can be saved with control strategies - currently only have boxes checked.	Additions	Content	87	2	5	4.4	2	3	3	2.7	33.8	41.5
S McDonald	SM17	Generalist			It might be neat to show how energy use varies depending on which Energy Code you choose. Can't you go above code?	Code Look-up	Content	TBD	1	5	4.2	3	3	3	3	34.8	40.2
C DiLouie	CD18	Manufacturer			Recommend having the report download link include a PDF icon so you know it's a PDF you're getting.	Additions	Content	63	1	2	1.8	5	5	5	5	37.2	22.8
B Hamilton	BH26	Core Team	Specialty Market	Implementation	Makes perfect sense. Straightforward information. I wonder though, since I chose "Switching during Stocking" -- it does not reiterate WHAT has been applied for this choice. I assume that whatever savings have been calculated with info from the opening screen (identifier of open hrs, pre-post open hours) --- shouldn't there be a reminder/clarification in the Savings Discussion of the assumptions? (Such as "Half the fixtures turned off entirely for a total of 4 operating hours.")	Confusion	Content	60	4	4	4	3	3	5	3.6	37.6	39.4

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
S Stutzman	SS10	Retailer		New project	Can there be an option for overnight stocking? That is different from 24 hours open operation.	Additions	Content	61	2	4	3.6	4	4	4	4	38.4	36.6
G Arnold	GA9	Utility		Project Description	I have a store that stocks all night, can you add a check box for all night stocking?	Additions	Content	61	3	4	3.8	4	4	4	4	39.2	38.3
N Miller	NM5	Lighting Designer	Specialty Market	Barista	Database fill problem, 3500K is its own bullet.	Missing/Formatting	Content	76	3	3	3	3.6	5	5	4.58	39.5	32.4
H McKay	HM14	Lighting Designer		Project description	At first I picked 9am instead of 9pm. Can you show a total open hours summary (e.g., 16 hours) in case I missed the error?	Additions	Content	60	1	3	2.6	5	5	5	5	40.4	29.6
J Tuenge	JT45	Core Team	Grocery	Bakery - Lensed w/ pendants	The light gray background region is longer for the Approach tab than for the other two.	Missing/Formatting	Content	115	1	3	2.6	5	5	5	5	40.4	29.6
J Tuenge	JT56	Core Team	Specialty Market	Specialty - both options	Gray background is inconsistent.	Agreement	Content	115	1	3	2.6	5	5	5	5	40.4	29.6
J Tuenge	JT4	Core Team	Discount Big Box	General - Perpendicular 21 - Approach tab	The text "...displayed on 8-0 height gondolas" is broken into three bullet points.	Missing/Formatting	Content	76	3	3	3	4.4	5	5	4.82	40.9	32.7
J Tuenge	JT5	Core Team	Discount Big Box	General - Perpendicular 21 - Approach tab	The text "...temperature: 3000K 3500K" is broken into two bullet points. (Typical of others.)	Missing/Formatting	Content	76	3	3	3	4.4	5	5	4.82	40.9	32.7
L Davis	LD32	Lighting Designer	Specialty Market	Vignette Details - GS Both	Lamp descriptions are different format from those in other retail outlets	Agreement	Content	88	2	3	2.8	5	5	5	5	41.2	31.3
L Davis	LD22	Lighting Designer	Grocery Store	Specialty Store - FL pendant & slot light vignette	Not complete - no Concept or Criteria paragraphs	Missing/Formatting	Content	78	2	5	3.4	4	5	5	4.7	41.8	36.0
L Davis	LD30	Lighting Designer	Specialty Market	Vignette Details- General Sales Luminaires parallel to shelves	Luminaires - Descriptions are for the other vignette	Agreement	Content	88	3	3	3	5	5	5	5	42.0	33.0
L Davis	LD31	Lighting Designer	Specialty Market	Vignette Details- General Sales cantilever	Luminaires - Descriptions are for the other vignette	Agreement	Content	88	3	3	3	5	5	5	5	42.0	33.0
L Davis	LD23	Lighting Designer	Grocery Store	Specialty Store- Direct/indirect troffers, downlights, and decorative pendants	Luminaire C does not match description of vignette (wet location 2x4 not direct/indirect troffer.); Criteria bullets need to be corrected(true in all vignettes this area);	Missing/Formatting	Content	88	3	4	3.8	4	5	5	4.7	43.4	39.4
L Davis	LD20	Lighting Designer	Grocery Store	Vignette Details-FL pendants over checkout	lamp codes are not shown as in other store types in the Luminaires section;	Missing/Formatting	Content	75	1	4	3.4	5	5	5	5	43.6	36.4
B Hamilton	BH27	Core Team			Does the "Switching during Stocking" pdf I saw at choosing time print too? Did I miss downloading it?	Confusion	Content	80	1	4	3.4	5	5	5	5	43.6	36.4
S Stutzman	SS6	Retailer	Specialty Market	Control Strategies	I picked the nighttime dimming option on the controls strategy page, but the green bar didn't move. Aren't there any savings from that strategy?	Functionality	Content	79	2	5	4.4	4	5	4	4.4	44.0	44.0
S Williams	SW12	Retailer		Project description	Dialogue box over pre and post open: Lighting controls strategies many vary for stocking hours, vs. when customers are in the store.	Guidance	Content	60	2	4	3.6	5	5	5	5	44.4	38.1
B Hamilton	BH15	Core Team	Specialty Market	Produce, Track Lighting Highlighting Produce (Linear Fluorescent)	Luminaire Type A does not match any luminaire that shows up in the Final Luminaire Schedule that comes in the Implementation instructions. See Luminaire Schedule comments below.	Agreement	Content	88	2	4	3.6	5	5	5	5	44.4	38.1

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
R Bartlett	RB12	Generalist	Grocery Store	Specialty Vignettes - Fluorescent pendants and slot lighting over merchandise	Has no content in Approach or Strategy	Missing/Formatting	Content	78	2	5	4.6	4	5	5	4.4	44.8	45.7
J Tuenge	JT53	Core Team	Pharmacy	Center aisle - between	Delete type B in schedule and Strategy, change B to A in plan and perspective.	Agreement	Content	78	1	5	4.2	4	5	5	4.7	45.0	42.8
M McAteer	MM6	Utility			The photometric curves are not showing up.	Missing/Formatting	Content	77	3	4	3.8	5	5	5	5	45.2	39.8
J Tuenge	JT38	Core Team	Grocery	Produce - Adjust. Accent	No strategy given for types D and E.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT38	Core Team	Grocery	Produce - Adjust. Accent	Type C strategy should be type D.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT38	Core Team	Grocery	Produce - Adjust. Accent	Type A strategy is incorrect.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT40	Core Team	Grocery	Pharmacy - Troffers	Type C is incorrectly described as 2x4 in Strategy.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT43	Core Team	Grocery	Bakery - Lensed	Approach and Strategy tabs missing text.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT36	Core Team	Grocery	General/Long - Perpendicular	Missing text in Strategy tab.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT41	Core Team	Grocery	Pharmacy - Pendants	Type C is surface-mount in Strategy	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT29	Core Team	Grocery	Specialty - Fluor w/ slots	Missing text on Approach and Strategy tabs.	Missing/Formatting	Content	78	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT32	Core Team	Grocery	General/Short - Perpendicular	No strategy given for daylighting.	Missing/Formatting	Content	80	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT34	Core Team	Grocery	General/Short - Cantilevered	Why are specialty areas addressed in daylighting strategy?	Missing/Formatting	Content	105	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT60	Core Team	Specialty Market	General - cantilevered	Types A and B are erroneously described as pendant-mounted in schedule.	Agreement	Content	88	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT56	Core Team	Specialty Market	Specialty - both options	Photometric thumbnail image for type C should be Asymmetric.	Agreement	Content	88	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT59	Core Team	Specialty Market	General - parallel	Type A is erroneously described and as cantilevered in schedule, update thumbnail accordingly. Delete type B from schedule. Change types C/D to B/C, respectively and update plan view. Delete type E from Strategy.	Agreement	Content	88	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT58	Core Team	Specialty Market	Bakery - both options	Type B lamp should be CFL (not MH) in schedule, update thumbnail accordingly. Type E thumbnail should be Asymmetric.	Agreement	Content	88	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT34	Core Team	Grocery	General/Short - Cantilevered	Concept describes aisles as wide rather than short.	Missing/Formatting	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
J Tuenge	JT44	Core Team	Grocery	Bakery - Baskets w/ pendants	If type C is a wet-rated direct-indirect, this requires more explanation.	Missing/Formatting	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
J Tuenge	JT45	Core Team	Grocery	Bakery - Lensed w/ pendants	If type C is a wet-rated direct-indirect, this requires more explanation.	Missing/Formatting	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
J Tuenge	JT32	Core Team	Grocery	General/Short - Perpendicular	Photometric thumbnail images missing for types A and B.	Missing/Formatting	Content	77	2	5	4.4	5	5	5	5	47.6	44.9
K Abernathy	KA8	Lighting Designer		Specialty, Fluorescent pendants and slot lighting over merchandise	Under the approach tab, there is no content.	Missing/Formatting	Content	78	2	5	4.4	5	5	5	5	47.6	44.9
K Abernathy	KA14	Lighting Designer		Specialty, Fluorescent pendants and slot lighting over merchandise	Under the approach tab, there is no content.	Missing/Formatting	Content	78	2	5	4.4	5	5	5	5	47.6	44.9
H McKay	HM9	Lighting Designer	Grocery	luminaires perpendicular	Vignette details - Daylight strategy has no content. It should be clear that the vignette still works without skylights, and what the benefits of skylights are. Also, does one vignette work better with skylights than another? I am concerned that them user will pick the vignette with the lowest w/sf, if other advantages/disadvantages aren't as simply shown	Missing/Formatting	Content	80	2	5	4.4	5	5	5	5	47.6	44.9

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
J Tuenge	JT52	Core Team	Pharmacy	Perimeter - w/ skylights	Remove type B luminaire from schedule.	Agreement	Content	88	2	5	4.4	5	5	5	5	47.6	44.9
J Tuenge	JT60	Core Team	Specialty Market	General - cantilevered	Show uplight in thumbnail for type A.	Agreement	Content	88	2	5	4.4	5	5	5	5	47.6	44.9
K Abernathy	KA7	Lighting Designer		General Sales, Short Aisles, Luminaires oriented perpendicular to shelves	The photometric curve icon is missing from the luminaire chart.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT31	Core Team	Grocery	Specialty - Fluor w/ downlights	Photometric thumbnail image missing for type C.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT39	Core Team	Grocery	Produce - Track	Photometric thumbnail image missing for type B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT46	Core Team	Grocery	POS - Pendants	Photometric thumbnail image missing for type B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT47	Core Team	Grocery	POS - Pendants w/ T8 wall	Photometric thumbnail image missing for type B. Clarify T8 for type C.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
L Davis	LD28	Lighting Designer	Grocery Store	General Comment	Missing photometric distribution images throughout this store type	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT34	Core Team	Grocery	General/Short - Cantilevered	Photometric thumbnail images missing for types B/C/D.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT38	Core Team	Grocery	Produce - Adjust. Accent	Photometric thumbnail images missing for types A/B/C/E.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT40	Core Team	Grocery	Pharmacy - Troffers	Photometric thumbnail image missing for type B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT44	Core Team	Grocery	Bakery - Baskets w/ pendants	Photometric thumbnail image missing for type B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT45	Core Team	Grocery	Bakery - Lensed w/ pendants	Photometric thumbnail image missing for type B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT35	Core Team	Grocery	General/Long - Parallel	Photometric thumbnail images missing for types A and B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT37	Core Team	Grocery	General/Long - Cantilevered	Photometric thumbnail images missing for types A/B/C/D.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT41	Core Team	Grocery	Pharmacy - Pendants	Photometric thumbnail image missing for types B and C.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT42	Core Team	Grocery	Pharmacy - Stacklights	Photometric thumbnail image missing for types B and C.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
L Davis	LD8	Lighting Designer	Discount Big Box	Vignette Details	polar plot of distribution is not for valence lighting, seems this needs to rotate 90 degrees.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT29	Core Team	Grocery	Specialty - Fluor w/ slots	Photometric thumbnail images missing for types A and B.	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
L Davis	LD20	Lighting Designer	Grocery Store	Vignette Details-FL pendants over checkout	missing photometric distribution for type B	Missing/Formatting	Content	77	3	5	4.6	5	5	5	5	48.4	46.6
B Hamilton	BH24	Core Team			Are these files downloading before I tell it to? The Mozilla dialogue box made it look like it had already downloaded when I had not yet hit the link.	Confusion	Download Material	63	1	5	4.2	5	5	5	5	46.8	43.2
B Hamilton	BH25	Core Team			Strange occurrence -- I was confused by the Download window because could not identify what I had downloaded or not. I saved the three docs presented to my desktop for later review. When I opened to review, one of the "downloaded" items was an Implementation from a TEST job I had run the previous month. I know it was not a mistake because when i saved the 3 files to my desktop I renamed them with the CLS Review moniker.	Confusion	Download Material	TBD	1	5	4.2	5	5	5	5	46.8	43.2
S McDonald	SM14	Generalist		Discount Big Box Design Vignettes	I take it that the LPD is driven off my choice of "Energy Codes". I picked ASHRAE 2007 so that yields LPD: 0.91W/ft2	Code Look-up	Ease of use/flow	86	2	2	2	3	3	3	3	26.0	21.5

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
G Arnold	GA11	Utility	Grocery	Grocery Store Key Plan	What if I have a liquor store in my grocery store? How do I add an area that's not shown in your key plan? Specialty won't serve all the specialty areas. You need to find a way to allow folks to add other spaces. And, what if I have two specialty areas? If I use the same vignette for all my specialty areas I can just add the square footage, but if I want to differentiate between specialty areas I'd need another way to do that. Find a way to create an "add your own area" function.	Additions	Ease of use/flow	62	3	4	3.8	2	2	2	2	27.2	35.3
C DiLouie	CD17	Manufacturer			The control strategies in my opinion should be presented as modified vignettes instead of add-ons with little relationship to the actual templates. Users should be forced to choose controls as part of a process flow just as they are already forced to make lighting choices. As is, we can't really see that these are integrated designs.	Flow	Ease of use/flow	TBD	2	4	3.6	3	2	3	2.6	30.0	34.5
S McDonald	SM5	Generalist			WAIT, I just saw that the column on the right is a navigation column. Usually these are on the left. This is my "BACK" button.	Confusion	Ease of use/flow	36	2	2	2	3	4	4	3.7	30.2	22.6
H McKay	HM19	Lighting Designer			Or be able to rename the bakery vignette to add a coffee bar.	Additions	Ease of use/flow	62	3	5	4.6	2	2	2	2	30.4	42.1
H McKay	HM18	Lighting Designer			For the "specialty" vignettes, can there be a place where the user fills in the function so it is easier to keep track of? Eg Coffee bar, or flower shop. It should be possible to add more than one specialty space, with the possibility of different vignettes.	Additions	Ease of use/flow	62	5	5	5	2	2	2	2	32.0	45.5
B Hamilton	BH18	Core Team		Specialty Market Key Plan	The instructions should be aligned to the left of the screen, so they are not covered up when the Vignette dialogue box appears.	Flow	Ease of use/flow	LT	1	3	2.6	4	4	3	3.7	32.6	27.7
V Barr	VB3	State			There should be an option to remove a project from your list and one project was listed three times after saving it once.	Additions	Ease of use/flow	TBD	3	4	3.8	3	3	3	3	33.2	36.8
L Coyan	LC4	?			State selection should bring up what the state has adopted for an energy code with the caveat that the local jurisdiction might be different.	Code Look-up	Ease of use/flow	46		5	4	3	3	3	3	34.0	38.5
C DiLouie	CD19	Manufacturer			To me there is no sense of connection of what I'm supposed to do next in some places. Most times, this is intuitive, but in some cases, it's not. For example, I am given default controls choices for my chosen vignette but then I am able to pick new controls, but 1) the controls didn't match up between the default choices and my new choices when I clicked the Controls tab, and 2) it's not clear to me that I really should pick controls. Again, I believe there should be a sense of process, or handoffs, from 1) set up your building to 2) choose your lighting to 3) choose your control strategies to 4) download your documentation. The user should be shepherded into these. As it is, they are forced to do #1 and #2 and then they're left to their own devices to do #3 and #4 optionally. It should all be tied together into a clear process.	Flow	Ease of use/flow	74	1	3	2.6	5	4	3	4	34.4	28.1
S McDonald	SM13	Generalist		Project Description	I am assuming the building types are limited during the development phase and will be expanded later. Hmm. Why do we give a choice of Energy Codes. I know some states are slower at adoption, but would any user of THIS system want to use anything LESS than the latest and greatest. ASHRAE 90.1, for commercial, is pretty much equivalent to whatever is in IECC, true?	Code Look-up	Ease of use/flow	46	1	5	4.2	3	3	3	3	34.8	40.2
J Tuenge	JT1	Core Team		Project Description	Would be nice if applicable code would auto-populate when state is selected, otherwise link to www.energycodes.gov/implementation/state_codes/index.htm	Code Look-up	Ease of use/flow	46	5	4	4.2	3	3	3	3	34.8	40.2
N Miller	NM30	Lighting Designer			Code should autofill based on your location.	Code Look-up	Ease of use/flow	46	5	4	4.2	3	3	3	3	34.8	40.2
K Abernathy	KA2	Lighting Designer			It would be very helpful if the program already knew what the energy code was based on the state.	Code Look-up	Ease of use/flow	46	5	4	4.2	3	3	3	3	34.8	40.2
K Abernathy	KA11	Lighting Designer	Grocery Store	Grocery Store Key Plan	It would be very helpful if the program already knew what the energy code was based on the state.	Code Look-up	Ease of use/flow	46	5	4	4.2	3	3	3	3	34.8	40.2

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
S Stutzman	SS8	Retailer		Control Strategies	When you get to the controls screen, can you pick more than one? I didn't read the into at first, perhaps it is clear enough.	Confusion	Ease of use/flow	47	1	3	2.6	4	4	5	4.3	36.2	28.6
J Pierce	JP8	?			Need to make user fully aware (not apparent in first go-around) that the LPD is based on the specific vignette design - not related to energy allowed. Would be nice to have separate column indicating what is allowed vs what this design provides.	Guidance	Ease of use/flow	86	3	5	4.6	3	3	3	3	36.4	43.6
G Subisak	GS1	Manufacturer		Sign-in	I went to sign-in without having an account, make the new user feature more obvious.	Guidance	Ease of use/flow	71	4	2	2.4	4	5	5	4.7	37.8	27.5
S Williams	SW1	Retailer		Sign in	Sign in process should have two green boxes, to make it more obvious that you need to set up an account if you don't have one yet. "Sign-In" or "Create Account"	Guidance	Ease of use/flow	71	4	2	2.4	4	5	5	4.7	37.8	27.5
K Abernathy	KA1	Lighting Designer			It wasn't obvious enough to me that I needed to create an account. Only figured it out after I couldn't sign in. Add a "new user" or "register."	Guidance	Ease of use/flow	71	4	2	2.4	4	5	5	4.7	37.8	27.5
S McDonald	SM10	Generalist		Discount Big Box Design Vignettes	OK, cool, but, takes some time to absorb what this is. Yes, it is very clean, almost too clean. It would give me a better feel if you had a grayed out parking lot and green space so I could say, "Oh yeah, this is a building. When I selected a General Sales Lighting Vignette, and checked the box, I could see that there was a place for floorspace if I scrolled down...but it is probably NOT obvious to everyone. The additional page space appears, but is not obvious...it would be better to automatically expand the box if such a thing is possible.	Flow	Ease of use/flow	44	5	5	5	2	3	4	3	38.0	47.0
L Davis	LD37	Lighting Designer	Discount Big Box	General Sales	Vignette box - must scroll down to input sf value. Would be easier if the box could be slightly larger so this shows. I thought it locked up & hit back arrow which booted me out of program.	Flow	Ease of use/flow	44	5	5	5	2	3	4	3	38.0	47.0
T Betz	TB6	?			Once a vignette is chosen, a scroll bar appears. The Area input box appears below the visible portion of the window, forcing the user to scroll down to it. Is it possible to make the view window a little larger without a scroll bar once a vignette selection is made?	Guidance	Ease of use/flow	44	5	5	5	2	3	4	3	38.0	47.0
B Hamilton	BH20	Core Team		Vignette pages	Can the vignette box be slightly larger so there is no need to scroll? Alternately, is there a way for me to size the box?	Flow	Ease of use/flow	44	5	5	5	2	3	4	3	38.0	47.0
S Stutzman	SS9	Retailer		Project Description	How do I know which energy code is the right one? Can the webtool pull the relevant energy code from a zip code?	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
S Williams	SW10	Retailer		Project description	Can you add state codes to the list?	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
C DiLouie	CD1	Manufacturer		Project description	On the first screen, the software should not let me choose an energy code that conflicts with my state; also, it's unclear to me what the relationship is between my selection of state/energy code and the templates I can produce.	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
G Arnold	GA7	Utility		Project Description	Can you put a code look-up in the code drop down menu?	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
M McAteer	MM7	Utility		Project description	Please provide an autofill for code selection.	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
H McKay	HM13	Lighting Designer		Project description	Add a default for the state code, and flag it if I pick the wrong one. Similar to ComCheck. When a location is selected, can the relevant codes be highlighted.	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
DDeVos	DD1	Retailer			Not sure which code is mine, can you tell me? An autofill would be very helpful for national retailers because we do projects all over the country.	Code Look-up	Ease of use/flow	46	5	5	5	3	3	3	3	38.0	47.0
S Williams	SW11	Retailer		Project description	Add a mouse-over dialogue box over the Energy Code. Should we pick the baseline for the project? Clarify that it will be used to show baseline energy consumption. This is important if someone wants to get a utility incentive.	Additions	Ease of use/flow	51	3	4	3.8	4	4	4	4	39.2	38.3
G Subisak	GS17	Manufacturer		Key Plans	Navigating with the buttons on the right isn't intuitive, you'll need to tell folks how to navigate. You are going forward with the next button and backwards with the navigation.	Guidance	Ease of use/flow	36	3	5	4.6	3	4	4	3.7	40.6	44.7

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
N Gordon	NG8	?	Grocery Store	Energy Summary	I could not find a way to go back and change selections after moving on to a new page without starting the program from the beginning or saving the project and opening it again. This is not really a big deal since it doesn't take very long to go through the program, but worth mentioning.	Flow	Ease of use/flow	36	3	5	4.6	3	4	4	3.7	40.6	44.7
T Betz	TB7	?		Vignettes	To make changes, the user must move the mouse cursor over the appropriate blue bar on the right. This would be more intuitive if the bar became highlighted when the mouse was hovered over it to make it apparent that a mouse action could be made by clicking on that bar	Additions	Ease of use/flow	36	3	5	4.6	3	4	4	3.7	40.6	44.7
J Pierce	JP13	?			Webtool is easy to navigate through, but can't go backwards.	Back Button	Ease of use/flow	36	3	5	4.6	3	4	4	3.7	40.6	44.7
H McKay	HM17	Lighting Designer			Each vignette detail should also show what the store type and vignette type are. It is hard to stay oriented.	Additions	Ease of use/flow	64	2	3	2.8	5	5	5	5	41.2	31.3
H McKay	HM16	Lighting Designer			Each Vignette should also show you what the store type is. Should the vignettes have a list number? To help folks know what they've looked at an rejected?	Additions	Ease of use/flow	64	2	3	2.8	5	5	5	5	41.2	31.3
S McDonald	SM1	Generalist		Overall	Would be nice to have "?" next to things like the drop down box for Building Type so that users can learn what YOUR definitions for these things are	Guidance	Ease of use/flow	51	2	5	4.4	4	4	4	4	41.6	43.4
T Coughlin	TC6	Utility	Pharmacy	Perimeter Vignettes	I can't back out of the vignette. Even when I hit outside the box, it won't close. Could be a cache issue.	Functionality	Ease of use/flow	43	1	4	3.4	4	5	5	4.7	41.8	36.0
G Arnold	GA8	Utility		Project Description	Definition of pre-open and post-open would be helpful. I think that pre-open is meant for stocking, but I'm not quite sure. Mouse over?	Guidance	Ease of use/flow	52	3	3	3	5	5	5	5	42.0	33.0
G Subisak	GS16	Manufacturer		Key Plans	The metrics at the bottom of the screen, the energy savings bar should have a bit of explanation. Some programs have a % completed, I wasn't sure if the % was how far you've gotten through the webtool, or the energy savings. Perhaps add the word "savings" after the "x" %. e.g., 45% Energy Savings.	Guidance	Ease of use/flow	41	3	4	3.8	4	5	5	4.7	43.4	39.4
K Abernathy	KA19	Lighting Designer		Download	Maybe the download page should be a little more obvious about the fact that you are done. Congratulations, you are done! Download these files and take them to your design team and come back and visit us when you have your design completed.	Guidance	Ease of use/flow	45	1	4	3.4	5	5	5	5	43.6	36.4
C DiLouie	CD7	Manufacturer		Sign-in	Add another dark green band toward bottom of box, with caps that say REGISTER, while putting SIGN IN in black instead of white to stand out more	Style Changes	Ease of use/flow	71	4	4	4	4	5	5	4.7	44.2	41.1
T Betz	TB5	?		Vignettes	The visual indicators on the screen (the "percent exceeding code", the navigation buttons on the right, etc) should be labeled as such so that the user will immediately understand their functionality and not have to play with the program and accidentally figure out their purpose. Use labels such as "Percent Design Exceeds Code" and "Navigation buttons".	Guidance	Ease of use/flow	41	2	5	4.4	4	5	5	4.7	45.8	44.5
T Betz	TB3	?		General	The information provided by the "percent scale" at the bottom of the screen is not intuitive. I assume it means the percentage by which the design is beating the baseline, but it is not specifically noted as such.	Guidance	Ease of use/flow	41	3	5	4.6	4	5	5	4.7	46.6	46.2
V Barr	VB7	State		Project description	at the bottom of the design vignette screen what I would assume is an energy consumption scale is presented. From left to right it reflects your code or standard choice from project setup (i.e. 2006 IECC or ASHRAE 90.1 - 2001, etc.), baseline kWh, proposed kWh and a vernier scale which I assume would slide with your choices to reflect savings from a baseline. The scale remained static through a number of choices I attempted, so the tool is not complete.	Functionality	Ease of use/flow	41	3	5	4.6	4	5	5	4.7	46.6	46.2
S McDonald	SM7	Generalist			I got to the last page "Downloads" and the progress bar still reads 60%...although it looks like I am done. I am not sure what to do next, other than download documents.	Guidance	Ease of use/flow	41	3	5	4.6	4	5	5	4.7	46.6	46.2
S Williams	SW9	Retailer		Vignettes	How do you exit a vignette?	Flow	Ease of use/flow	43	3	5	4.6	4	5	5	4.7	46.6	46.2
K Abernathy	KA15	Lighting Designer			If I'm looking at a vignette and don't want to pick one, I can't get out of the box. Unless I select one, and then I can cancel.	Flow	Ease of use/flow	43	3	5	4.6	4	5	5	4.7	46.6	46.2
T Betz	TB4	?		General	Window showing options for vignettes, it is not clear that to escape out of a vignette window, you click outside the window. I came across this by accident. I thought I was originally forced to make a decision once I clicked on a vignette	Flow	Ease of use/flow	43	3	5	4.6	4	5	5	4.7	46.6	46.2

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
B Hamilton	BH21	Core Team		Café Vignettes	There is only one option, and I want to exit, but there is no way to exit. You have to choose the vignette first, and THEN there is a way to hit the cancel button. There should be a little box with a red "x" to close the vignette if I don't want it. Otherwise folks are headed for the back button.	Flow	Ease of use/flow	43	3	5	4.6	4	5	5	4.7	46.6	46.2
B Hamilton	BH22	Core Team		Café Vignettes	After you select a vignette, you can toggle between them with your CHECKMARK, but you should also be able to hit the check box and have it de-select.	Flow	Ease of use/flow	48	3	5	4.6	4	5	5	4.7	46.6	46.2
N Miller	NM15	Lighting Designer	Specialty Market	Track lighting highlighting produce	When I check the box for one of the vignettes on the list, there is no way to uncheck it except to pick the other vignette. The "remove from project" option is missing.	Flow	Ease of use/flow	48	3	5	4.6	4	5	5	4.7	46.6	46.2
DDeVos	DD12	Retailer			The purpose of the bar at the bottom of the screen isn't readily apparent, could be progress through the tool, but it's energy savings.	Guidance	Ease of use/flow	41	4	5	4.8	4	5	5	4.7	47.4	47.9
R Bartlett	RB14	Generalist			The "Status" bar wasn't immediately understandable; most "status" bars show how much you've USED or far you've gone, but this one shows how much you have LEFT to use, and I didn't understand the 0, 30, and 60.	Guidance	Ease of use/flow	41	4	5	4.8	4	5	5	4.7	47.4	47.9
J Tuenge	JT51	Core Team		Vignettes dialog boxes	The "Remove from project" link isn't intuitive -- users should simply check whichever option they want or uncheck what they no longer want. Similarly, the Cancel link only appears after something is selected.	Flow	Ease of use/flow	48	4	5	4.8	4	5	5	4.7	47.4	47.9
G Arnold	GA10	Utility		Vignettes	It wasn't obvious to me that I should also hit the strategy and controls tabs. There is very important information there, is there a way to make it more obvious? Maybe buttons instead of tabs? Or numbering them?	Flow	Ease of use/flow	89	2	5	4.4	5	5	5	5	47.6	44.9
M Hershman					The flow seems somewhat logical, but it would be helpful during the "design vignette" page to instruct the user to please select an option and enter the square footage of space. If you don't drag down, the square footage does not show up.	Flow	Ease of use/flow	42	5	5	5	4	5	5	4.7	48.2	49.6
N Ferzacca	NF2	Designs	Grocery	General Sales Aisles	Also, I cannot see the input box for the square footage.	Flow	Ease of use/flow	42	5	5	5	4	5	5	4.7	48.2	49.6
N Miller	NM31	Lighting Designer			When I checked the vignette, I couldn't see what happened at first because the wattage entry box was in the lower portion of the pop up and I needed to scroll to even know that I needed to enter square footage.	Flow	Ease of use/flow	42	5	5	5	4	5	5	4.7	48.2	49.6
C DiLouie	CD16	Manufacturer			When the vignette pops up, the Area should have a stronger prompt, like, "What is the area of this space?" It's not obvious enough to the user what the next step should be.	Guidance	Ease of use/flow	42	5	5	5	4	5	5	4.7	48.2	49.6
S McDonald	SM4	Generalist			I see a NEXT button appears when I fill out the REQUIRED fields, but usually there is an asterik next to required fields to alert me to that. Suggest you GRAY OUT the NEXT button rather than make invisible and add some message about Required Fields next to it. This is a web convention.	Flow	Ease of use/flow	59	3	5	4.6	5	5	5	5	48.4	46.6
R Bartlett	RB15	Generalist		Design Vignettes	Each of the design vignette screens says "Select the spaces your store will include, then enter the floor space and select a lighting vignette", but it seems as if you select a lighting vignette and THEN enter the floor space.	Guidance	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3
H McKay	HM12	Lighting Designer		Key Plan	At key plan, change to read "select the FIRST space that your store will use." Rather than spaces.	Guidance	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3
K Abernathy	KA12	Lighting Designer		Grocery Store Key Plan	I was expecting that I needed to list my spaces, it went to the vignettes and surprised me. I would have expected that I describe the spaces, then the area, then designs.	Flow	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3
B Hamilton	BH17	Core Team	Specialty Market	Specialty Market Key Plan	The instruction to "select the spaces" leads you to believe that you are going to select the multiple spaces, and then you can go on to pick vignettes. The instructions need to be more clear. "Select your spaces one at a time, and pick a vignette for each space." Step two is to enter the square footage for each space.	Flow	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
B Hamilton	BH19	Core Team		Vignette pages	Could you add a roll-over/mouse-over on the vignette page that tells people to pick a design and then it will OPEN the place to add square footage? Being told to add square footage but not having the place to do so visible yet is confusing.	Flow	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3
K Abernathy	KA13	Lighting Designer		Grocery Store Key Plan	Once I see the space turn white, I now understand what this process is about. Before that I didn't know what to expect.	Confusion	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3
S Stutzman	SS11	Retailer	Specialty Market	Key Plan	Directions must be more explicit. E.g., "Click on a store type to see a vignette." Not immediately apparent about what to do when you get to the key plan.	Guidance	Ease of use/flow	50	4	5	4.8	5	5	5	5	49.2	48.3
L Davis	LD26	Lighting Designer	Grocery Store	Vignette Summary	Nighttime dimming shows up under Control Strategy but was not selected.	Functionality	Functionality	55	1	2	1.8	4	4	2	3.4	27.6	20.4
T Coughlin	TC2	Utility		key plan	Button is blinking when I hit "next."	Functionality	Functionality	TBD	1	3	2.6	3	4	4	3.7	32.6	27.7
T Coughlin	TC3	Utility		vignette lists	Tabs are flashing when I run the mouse over the links.	Functionality	Functionality	TBD	1	3	2.6	3	4	4	3.7	32.6	27.7
T Coughlin	TC4	Utility		vignette lists	Going in and out of the vignettes-- sometimes the link isn't working.	Functionality	Functionality	TBD	2	3	2.8	3	4	4	3.7	33.4	29.4
M Hershman	MH1	?			There's a bug in the system. If you click on "design vignettes" and then go back, the screen is cut in half. Also, going back a page results in an "error all over again. Perhaps the program can be written so that the "design vignettes" button on the right cannot be engaged until after the boxes in the middle are complete...for those curious what "design vignettes" means until the process is followed. This happened ONLY with the "grocery". All other building types worked.	Functionality	Functionality	57	3	5	4.6	3	3	2	2.7	34.6	43.2
B Manning	BM2	?	N/A		I found that when navigating back and fourth by clicking on the different titles in the navigational bar on the right hand side of the screen that the screen would get 'stuck' between two input screens. For example: clicking back and fourth between the bar titled 'Project Description' and 'Design vignettes' results in the screen displaying a 1/2 portion of each input screen. Using the 'next' button while the screens are stuck half-way results in a incomplete page advancement such that the display remains stuck between two input screens. For troubleshooting purposes - my display resolution is set to 1280 by 1024 pixels.	Functionality	Functionality	57	3	5	4.6	3	3	2	2.7	34.6	43.2
L Davis	LD2	Lighting Designer	Grocery Store		Program locked up half way through and I had to start from scratch	Functionality	Functionality	TBD	2	5	4.4	3	3	3	3	35.6	41.9
J Tuenge	JT50	Core Team	Grocery	Downloads - Luminaire Sched	Link intermittently / inexplicably fails to work. May be caused by failure to select a control strategy.	Functionality	Functionality	TBD	2	5	4.4	3	3	3	3	35.6	41.9
J Tuenge	JT49	Core Team	Grocery	Design Vignettes	Found that after selecting first option for each vignette and all four control options, generating PDF reports, and then going back to choose another vignette, could not make changes that would persist thru generation of new PDF's.	Functionality	Functionality	TBD	2	5	4.4	3	3	3	3	35.6	41.9
K Abernathy	KA18	Lighting Designer			When I was in downloads and found an error in the PDF, I went back to the project description to check on it, and when I clicked back on downloads, it didn't work. I couldn't find the links again. Then I went to the controls page and hit next, it reloaded the links, but then when I clicked on it, it gave me an error.	Functionality	Functionality	TBD	3	5	4.6	3	3	3	3	36.4	43.6
R Bartlett	RB3	Generalist	Pharmacy	Center Aisle Vignette	After I had hit "next" all the way through the app, I selected Design Vignettes from the right pane. I had previously chosen the first vignette and changed my choice to the second one. The area bar moved appropriately and still had my entered area, but when I hit OK, dialog said "Please enter a valid area for this space." I tried this on a different vignette (General Sales), and it worked appropriately, but did not on this screen.	Functionality	Functionality	TBD	1	5	4.2	3	3	4	3.3	36.6	40.7
T Coughlin	TC1	Utility		project description	Drop down menus, first time I selected, it's picking the one below. When you go back in and fix it, it's correct. Fix the fingering rule.	Functionality	Functionality	58	3	2	2.2	4	5	5	4.7	37.0	25.8
C DiLouie	CD3	Manufacturer		All	I like that there will be a "Help" link that takes the visitor to a how-to guide for the Tool, and suggest that you make it more prominent.	Style Changes	Functionality	73	1	2	1.8	5	5	5	5	37.2	22.8

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
R Bartlett	RB5	Generalist		Control Strategies	First time through, I selected all Control Strategies (4), and all 4 were listed in the right pane. I then edited some of my vignette choices, and evidently deleted the Daylighting selections, because when I clicked on Control Strategies, only 3 were listed. However, all 4 were still listed in the right pane.	Functionality	Functionality	55	2	5	4.4	4	4	2	3.4	38.0	42.5
T Betz	TB1	?			Oops, hitting the back button in the web browser is a very bad idea. How can you go back and make changes in the project? See below....	Back Button	Functionality	35	5	4	4.2	3	4	4	3.7	39.0	41.3
V Barr	VB6	State			Unfortunately, when the user has completed a type selection and moved to the archetypal floorplan layout screen, the user is asked to "select the spaces your store will include, then enter the floor space and select a lighting vignette" there is nowhere to enter a square footage or other size dimension and, when the user selects the option and clicks 'ok,' the subsequent screen returns a "please enter a valid area for this space" error message. There is nowhere to provide this information and the usefulness of the tool ends here. This is a major shortcoming. The user can access the vignette details and, again, these appear rather well-informed.	Functionality	Functionality	84		3	2.4	5	5	5	5	39.6	27.9
L Davis	LD1	Lighting Designer	Discount Big Box	General Sales	Back arrow booted me out of program back to eere site (see ease of use)	Back Button	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
S Stutzman	SS1	Retailer		Vignette pages	Back button three me out of the project, and I had to build a new project.	Back Button	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
R Bartlett	RB1	Generalist			From vignettes page, hit Back and went all the way out of app: was only by happenstance that I figured out later you could click outside the "box" and go "back"	Flow	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
C DiLouie	CD2	Manufacturer		All	Should have back button functionality with my browser	Back Button	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
B Hamilton	BH2	Core Team			Back button is broken.	Back Button	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
J Tuenge	JT2	Core Team			Need back button when selecting vignette. Back arrow in IE deletes project.	Back Button	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
J Linn	JL15	EEPS			Back button throws me out of the project, shows "error authorizing" and loads the project right from the start.	Back Button	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
S McDonald	SM3	Generalist			BTW, I pushed IE Back button after I had filled out just part of the first Project Description page and got the warning "Error Authorizing" in a big blank page. If I went back forward, same message. I had to hit F5 to refresh the page.	Functionality	Functionality	35	5	5	5	3	4	4	3.7	42.2	48.1
J Pierce	JP1	?		-	Automatically saves every new project? Saved my "test" as the same name 5 times - because I failed to open up existing project. Should fix to eliminate having allowing same name for project, allow for deleting project. allow for exporting information, etc.	Saving	Functionality	70	2	4	3.6	4	5	5	4.7	42.6	37.7
T Coughlin	TC5	Utility	Pharmacy	Perimeter Vignettes	The vignette isn't showing up correctly.	Missing/Formatting	Functionality	49	1	4	3.4	5	5	5	5	43.6	36.4
C DiLouie	CD8	Manufacturer		Sign-in	There is a strange glitch, there is a text fragment on the upper left side of the screen, to the left of the logo, says "ting tool." Possibly because of very large monitor?	Functionality	Functionality	66	1	4	3.4	5	5	5	5	43.6	36.4
T Coughlin	TC5	Utility	Pharmacy	Perimeter Vignettes	The perspectives aren't there	Missing/Formatting	Functionality	77	1	4	3.4	5	5	5	5	43.6	36.4
T Coughlin	TC5	Utility	Pharmacy	Perimeter Vignettes	the checkbox is gone.	Missing/Formatting	Functionality	115	1	4	3.4	5	5	5	5	43.6	36.4
J Tuenge	JT13	Core Team	Discount Big Box	POS - Over and Wash 22 - Strategy tab	Timed-out during review, and the log-in screen that popped-up didn't work. (See Sheet3 review tab.) I was forced to start over.	Functionality	Functionality	TBD	3	5	4.6	4	5	4	4.4	44.8	45.7
J Pierce	JP2	?			Can't go backwards without starting over - e.g. want to change to a different vignette	Flow	Functionality	48	2	5	4.4	5	4	5	4.6	45.2	44.3
S Williams	SW2	Retailer		Vignette page	When I check a vignette, it does not give me a place to put in the square footage.	Functionality	Functionality	84	3	4	3.8	5	5	5	5	45.2	39.8
R Bartlett	RB4	Generalist		Control Strategies	I proceeded through the entire app using "Next" and selected all 4 control strategies. When I clicked on Control Strategies in the right pane, all of the checkboxes were no longer marked.	Functionality	Functionality	82	2	5	4.4	5	5	4	4.7	45.8	44.5

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
V Barr	VB4	State			In selecting a project location from the drop-down boxes present, the selection consistently misses my choice. Selecting New York repeatedly gave me North Carolina and the other drop-down box selections made similar mis-direction errors.	Functionality	Functionality	58	3	5	4.6	4	5	5	4.7	46.6	46.2
S Williams	SW3	Retailer	Grocery	short aisles	When I tried to look at the thumbnail for short aisles in grocery, it didn't pop up.	Missing/Formatting	Functionality	15	1	5	4.2	5	5	5	5	46.8	43.2
DDeVos	DD2	Retailer	Big box discount	Luminaires perpendicular to shelves	When I opened the Luminaires perpendicular to shelves vignettes, there was no perspective thumbnail vignette.	Missing/Formatting	Functionality	15	2	5	4.4	5	5	5	5	47.6	44.9
N Ferzacca	NF1	Designs	Grocery	General Sales Aisles	When I hit the general sales aisles vignette, the pop up did not show the thumbnails.	Missing/Formatting	Functionality	15	2	5	4.4	5	5	5	5	47.6	44.9
DDeVos	DD3	Retailer		Vignette list	The bug related to IE 6.0 made it impossible for me to proceed with the tool on my machine, so we proceeded in a different browser. Please let me know when that is fixed.	Functionality	Functionality	84	2	5	4.4	5	5	5	5	47.6	44.9
G Subisak	GS2	Manufacturer		Vignette List	The bug related to IE 6.0 made it impossible for me to proceed with the tool. Please let me know when that is fixed so I can spend more time.	Functionality	Functionality	84	2	5	4.4	5	5	5	5	47.6	44.9
B Hamilton	BH1	Core Team			Internet Explorer has given me BIG problems with this webtool. We could never actually make IE work (interface properly), but it was discovered that if I used Mozilla it worked fine.	Functionality	Functionality	84	2	5	4.4	5	5	5	5	47.6	44.9

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
B Manning	BM16	?	Grocery	*other/lease space	Find a way to incorporate the T5 vs. T8 lamp difference into the title or other prominent area. Four lines down into the vignette description is the wrong place for users to look for this information	Specific text	Ease of use/Flow	75	4	5	4.8	4	5	5	4.7	47.4	47.9
B Manning	BM16	?	Grocery	*other/lease space	Find a way to incorporate the T5 vs. T8 lamp difference into the title or other prominent area. Four lines down into the vignette description is the wrong place for users to look for this information	Specific text	Ease of use/Flow	75	4	5	4.8	4	5	5	4.7	47.4	47.9
J Tuenge	JT3	Core Team		Grocery, Freezer cases	You should make it more clear when there is only a small difference between the designs, such as T8 vs. T5.	Specific text	Ease of use/flow	75	3	4	3.8	4	5	5	4.7	43.4	39.4
N Miller	NM14	Lighting Designer	Specialty Market	Track lighting highlighting produce	The name of the vignettes are the same, I have to go digging to see the difference.	Specific text	Ease of use/flow	75	3	4	3.8	4	4	5	4.3	41.0	38.8
L Cohan	LC2	?			Typo for pendants - 'pendnats'	Specific text	Content	75	4	5	4.8	5	5	5	5	49.2	48.3
V Barr	VB13	State			*Pendants" is mis-spelled in a couple of the vignette scenarios (e.g. bakery track sconce and decorative pendants).	Specific text	Content	75	4	5	4.8	5	5	5	5	49.2	48.3
J Linn	JL3	EEPS	Specialty Market	Bakery Vignettes, Track Sconce and Decorative Pendants	Typo in the vignette description- "pendnats"	Specific text	Content	75	3	5	4.6	5	5	5	5	48.4	46.6
J Tuenge	JT55	Core Team	Specialty Market	Specialty Vignettes	"Pendants" is misspelled in both descriptions. Second option should indicate CFL (not CMH) for type B pendants.	Specific text	Content	75	3	5	4.6	5	5	5	5	48.4	46.6
C DiLouie	CD13	Manufacturer		all vignette pages	All text should be given additional proof: for example, in one template, there was a color temp of 3000K recommended, then the bullet below said just "3500K"	Specific text	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
R Bartlett	RB9	Generalist	Grocery Store	Freezer Cases - Pendants (cylinders) and fluorescent wall washing perimeters - Approach	Third bullet under Concept has "wallwashing" instead of wall washing	Specific text	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
R Bartlett	RB10	Generalist	Grocery Store	Freezer Cases - Pendants (cylinders) and fluorescent wall washing perimeters - Approach	Option A - repeats the same sentence twice	Specific text	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
J Tuenge	JT63	Core Team			? question-marks and ballast efficiency, etc. still appear on a number of pages.	Specific text	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
J Tuenge	JT32	Core Team	Grocery	General/Short - Perpendicular	Concept describes aisles as wide rather than short.	Specific text	Content	75	2	5	4.4	5	5	5	5	47.6	44.9
B Manning	BM17	?	Grocery	Point-of-Sale	Find a way to incorporate the T5 vs. T8 lamp difference into the title or other prominent area. The vignette description is the wrong place for users to look for this information	Specific text	Content	75	4	5	4.8	4	5	5	4.7	47.4	47.9
B Manning	BM17	?	Grocery	Point-of-Sale	Find a way to incorporate the T5 vs. T8 lamp difference into the title or other prominent area. The vignette description is the wrong place for users to look for this information	Specific text	Content	75	4	5	4.8	4	5	5	4.7	47.4	47.9
B Hamilton	BH8	Core Team	Specialty Market	Produce, Track Lighting Highlighting Produce	I'm seeing "?"'s where it is probably supposed to be a single quotation mark.	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
B Hamilton	BH9	Core Team	Specialty Market	Produce, Track Lighting Highlighting Produce (Linear Fluorescent)	In this vignette, the question marks show up in the luminaire schedule for luminaire A, but in luminaire B and C, it's working correctly-- 10'-0" AFF. Why is it different and all the question marks need to be fixed.	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
B Hamilton	BH10	Core Team		Café Vignettes	Note that pendnats is often misspelled throughout (been copied/pasted).	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
B Hamilton	BH12	Core Team	Specialty Market	Produce, Track Lighting Highlighting Produce (Linear Fluorescent)	?s are also showing up in the Strategy tabs.	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
B Hamilton	BH14	Core Team	Specialty Market	Produce, Track Lighting Highlighting Produce (Linear Fluorescent)	Under strategy tab, luminaire A, a ?-mark appears between pendant and mounted, it should probably be a hyphen. However, under luminaire B, there is a hyphen that looks fine.	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
N Miller	NM11	Lighting Designer	Specialty Market	Barista	Color in the luminaire chart should be 830, or 835, not just 83.	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT6	Core Team	Discount Big Box	General - Perpendicular 21 - Approach tab	The text "...80 or greater Refer..." should be broken into two bullet points. (Typical of others.)	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT10	Core Team	Discount Big Box	POS - Over and Wash 22 - Strategy tab	clunky: "T8 and T5HO lamps have long lives and are readily available are used in this design which minimizes maintenance."	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT15	Core Team	Discount Big Box	Product Display - Track 23 - Strategy tab	clunky: "Metal halide lamps compared to tungsten halogen, greatly reduce energy and maintenance."	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
N Miller	NM3	Lighting Designer	Specialty Market	Barista	The comment in barista text- "the dimmer area invites..." I thought that it was referring to a dimmer area within the barista area, or it could be a dimmer (controls).	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
N Miller	NM8	Lighting Designer	Specialty Market	Barista	Say "minimum luminaire efficiency" rather than "luminaire efficiency", so that the uninitiated know to use that as a minimum value, not a target.	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
R Bartlett	RB13	Generalist	Grocery Store	Specialty Vignettes - Pendants (cylinders) and downlights over merchandise	Approach - second bullet has two periods	Specific text	Content	75	1	5	4.2	5	5	5	5	46.8	43.2
G Subisak	GS4	Manufacturer		Big box discount general sales	Content in approach tab is wrong, hard returns where there shouldn't be. 8'-0" height gondolas should be one bullet.	Specific text	Content	75	3	5	4.6	4	5	5	4.7	46.6	46.2
L Davis	LD29	Lighting Designer	Specialty Market	Vignette Details- General Sales Luminaires parallel to shelves	correct lamp color temperature (says 3000K then next bullet says 3500K, lamp code is 835)	Specific text	Content	75	3	5	4.6	4	5	5	4.7	46.6	46.2
R Bartlett	RB11	Generalist	Grocery Store	Specialty Vignettes	*Fluorescent pendants and slot lighting over merchandise" has no description	Specific text	Content	75	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT14	Core Team	Discount Big Box	Product Display - Track 23	Type A mean lumens per watt is N/A?	Specific text	Content	75	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT14	Core Team	Discount Big Box	Product Display - Track 23	Type A mean lumens per watt is N/A?	Specific text	Content	75	2	5	4.4	4	5	5	4.7	45.8	44.5
J Tuenge	JT9	Core Team	Discount Big Box	POS - Over and Wash 22	Type B: Isn't indicated in perspective. "valance" should be "valance". T5HO should be T8. Only 59% efficiency? 128% ballast efficiency? (Also presented out of the usual order.) (Typical of others.) (I'd recommend searching for "valance" throughout database.)	Specific text	Content	75	1	5	4.2	4	5	5	4.7	45.0	42.8

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
J Tuenge	JT12	Core Team	Discount Big Box	POS - Over and Wash 22 - Strategy tab	I'd recommend changing "Daylighting" to "Daylight Harvesting" to differentiate control scheme from architecture (typical).	Specific text	Content	75	1	5	4.2	4	5	5	4.7	45.0	42.8
H McKay	HM22	Lighting Designer			Review text content for grammar and typos.	General text	Content	75	4	5	4.8	4	4	5	4.3	45.0	47.3
J Tuenge	JT48	Core Team	Grocery	POS - Pendants w/ T5 wall	Clarify T5 for type C.	Specific text	Content	75	2	4	3.6	5	5	5	5	44.4	38.1
N Miller	NM10	Lighting Designer	Specialty Market	Barista	What do you mean by "ballast efficiency?" Not a metric I'm familiar with.	Specific text	Content	75	1	5	4.2	5	4	5	4.6	44.4	42.6
J Tuenge	JT57	Core Team	Specialty Market	Bakery Vignettes	"Pendants" is misspelled in second description. Second option should indicate CFL (not CMH) for type D pendants.	Specific text	Content	75	1	5	4.2	4	4	5	4.3	42.6	42.2
N Miller	NM17	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	You should say a, minimize glare for customers.	Specific text	Content	75	1	4	3.4	5	5	4	4.7	41.8	36.0
N Miller	NM4	Lighting Designer	Specialty Market	Barista	Under criteria, should consistently say "10-20 fc average."	Specific text	Content	75	1	4	3.4	5	4	5	4.6	41.2	35.8
N Miller	NM24	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Description for C is garbled between track and fluorescent. Hard to tell what is what. Which description applies to which fixture.	Specific text	Content	75	1	4	3.4	5	4	5	4.6	41.2	35.8
B Manning	BM9	?	Grocery	Pharmacy	Note the order of the options presented differs from 'General Sales: Short Aisles'	Specific text	Content	75	2	4	3.6	4	5	4	4.4	40.8	37.2
B Manning	BM10	?	Grocery	General Sales: Long Aisles	Note the order of the options presented differs from 'General Sales: Long Aisles'	Specific text	Content	75	2	4	3.6	4	5	4	4.4	40.8	37.2
H McKay	HM8	Lighting Designer	Big Box	Track Luminaires highlighting produce	Under Approach. Typo, "products." Should be "product cases."	Specific text	Content	75	1	3	2.6	5	5	5	5	40.4	29.6
T Betz	TB12	?		Luminaire Schedule	Use of the word "vignette" does not seem appropriate. Perhaps "design" or "layout" would work better.	Specific text	Content	75	2	3	2.8	4	5	5	4.7	39.4	30.9
K Abernathy	KA21	Lighting Designer		Energy Summary	Intro page- "Other resources include lighting professionals..." Do you want these organizations to be called resources?	Specific text	Content	75	1	3	2.6	5	5	4	4.7	38.6	29.2
B Hamilton	BH13	Core Team	Specialty Market	Produce, Track Lighting Highlighting Produce (Linear Fluorescent)	Some of the vignettes have the same title and the difference between them needs to be clarified in the title. You can only tell by reading the blurb on the vignette list. (lamping differences)	Specific text	Content	75	3	3	3	4	4	5	4.3	37.8	32.0

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
S Stutzman	SS3	Retailer	Specialty Market	Luminaires oriented parallel to shelves	Can we see the end caps also in the perspective?	Additions	Appearance/Aesthetics	TBD	1	2	1.8	2	2	3	2.3	21.0	18.8
D Oshinski	DO1	Retailer	Big Box Discount	Key Plan	Square shape for the boxes make more sense.	Presentation	Appearance/Aesthetics	TBD	1	1	1	3	3	3	3	22.0	13.0
J Benya	JB1	Lighting Designer			This webtool is a terrific development and exactly where we need to be headed. It will be critical to coordinate this effort with the new work going on in California which will be to move from an LPD codes approach to a kWh-based codes approach.	Additions	Appearance/Aesthetics	LT	2	5	4.4	1	1	2	1.3	25.4	39.4
J Benya	JB2	Lighting Designer			There is no Title 24 baseline in the tool yet. This makes it effectively useless in California, and misses the opportunity to be used by utilities for incentives and rebates.	Additions	Appearance/Aesthetics	LT	2	5	4.4	1	1	2	1.3	25.4	39.4
H McKay	HM6	Lighting Designer			Labels in the RCP's are too small to read, and not noticeable at first. Should they be a different color?	Additions	Appearance/Aesthetics	92	2	5	4.4	5	4	5	4.6	45.2	44.3
H McKay	HM7	Lighting Designer			Should the arrows be at 45 degrees, to distinguish from other elements?	Image Adjustments	Appearance/Aesthetics	92	2	5	4.4	5	4	5	4.6	45.2	44.3
S Stutzman	SS17	Retailer			Can you add an economic calculator? Something to help us see the EVA (Economic Value Add), over the term.	Economics	Content	LT	3	3	3	3	3	2	2.7	28.2	29.6
T Coughlin	TC13	Utility		Energy Summary	What about economics?	Economics	Content	LT	3	3	3	3	3	2	2.7	28.2	29.6
M McAteer	MM4	Utility			We would like to see economics in this tool. Critical to our customers. Ranges are good enough, but some frame of reference would be helpful.	Economics	Content	LT	3	3	3	3	3	2	2.7	28.2	29.6
C DiLouie	CD25	Manufacturer			Perhaps \$ savings could automatically calculated since we know 1) power density, 2) operating hours and 3) the state where they are located, so we should know the average kWh rate, which is available from DOE. If not here, then perhaps in the final report.	Economics	Content	LT	3	3	3	3	3	2	2.7	28.2	29.6
S McDonald	SM16	Generalist			Hard for me to comment on this. I have no basis for comparison. Maybe the value added is that you are creating "standard" documents needed for projects, but built around novel, but accepted approaches that reach the desired LPD and standard level. If that is true, then since these are PDFs, I would hope that these are stand-alone documents as you can't modify them readily.	Clarification	Content	LT	1	2	1.8	4	4	3	3.7	29.4	20.9
J Pierce	JP27	?			Control strategies could be expanded - would be nice to see estimates (or range) of potential energy savings	Clarification	Content	LT	3	3	3	3	4	2	3.1	30.6	30.2
J Pierce	JP19	?		Energy Summary	Link to where requirements are provided? IESNA table?	Additions	Content	102	2	3	2.8	2	5	3	3.5	32.2	29.1
T Coughlin	TC12	Utility		Energy Summary	Put in kWh per vignette.	Additions	Content	87	2	5	4.4	2	3	3	2.7	33.8	41.5
D Oshinski	DO10	Retailer		Energy Summary	Add kWh savings per vignette.	Additions	Content	87	2	5	4.4	2	3	3	2.7	33.8	41.5
T Coughlin	TC9	Utility	Pharmacy	general aisles	Also, a link to a tutorial would be extremely helpful.	Additions	Content	102	2	3	2.8	5	5	3	4.4	37.6	30.4
J Linn	JL6	EEPS		Download-Vignette Summaries/Implementation	controls chart- Layout/formatting appears to be a little off here.	Database fill Problem	Content	115	3	3	3	5	4	4	4.3	37.8	32.0
T Coughlin	TC8	Utility	Pharmacy	general aisles	Can we provide education about T8 vs. T5?	Additions	Content	102	2	4	3.6	3	4	5	4	38.4	36.6
C DiLouie	CD11	Manufacturer		all vignettes	Perhaps the Concept description could be laid out in a standard at a glance format including lists, such as: CRI, color temperature, uniformity, light level, distribution, etc.	Presentation	Content	TBD	2	4	3.6	3	4	5	4	38.4	36.6
D Oshinski	DO7	Retailer	Big Box Discount	Controls strategies	What if you don't want any of the control strategies? We use daytime stocking.	Clarification	Content	99	1	3	2.6	4	5	5	4.7	38.6	29.2
S Stutzman	SS12	Retailer	Specialty Market	Key Plan	Are these vignettes for store open or for stocking?	Clarification	Content	101	1	3	2.6	4	5	5	4.7	38.6	29.2

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
N Miller	NM19	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Refer folks to the Light + Design Guide. Far more specific and current than chapter 10 of Handbook.	Additions	Content	102	1	3	2.6	5	5	4	4.7	38.6	29.2
D Oshinski	DO5	Retailer	Big Box Discount	General sales	What if you don't have skylights? All the drawings show skylights.	Clarification	Content	TBD	1	3	2.6	4	5	5	4.7	38.6	29.2
J Pierce	JP9	?			Obviously - severely limited in choices right now - in terms of design options. Assume that these will continue to evolve. Need to make it clear that these are not only options - they are just useful ideas that have been successfully implemented	Clarification	Content	101	2	5	3	5	4	5	4.6	39.6	32.4
J Pierce	JP23	?		Vignettes	Design Guidelines & LPD - would be nice to tie these together. For example, volume of space, reflectances in space (assumptions)	Presentation	Content	TBD	3	4	3.8	3	5	4	4.1	39.8	38.5
K Abernathy	KA17	Lighting Designer		Controls Strategies	You need to tell folks that the dimming only applies to linear fluorescent, or they may not choose daylight dimming because they know CMH is in the design, which shouldn't be dimmed. It's good that you've made sure not to dim the wrong layers, but you need to make sure that people know this.	Clarification	Content	99	4	4	4	3	4	5	4	40.0	40.0
T Coughlin	TC9	Utility		controls	The switching during stocking, are we recommending automatic or manual? Our implementation guidance needs to require it to be automatic.	Clarification	Content	99	4	4	4	3	4	5	4	40.0	40.0
L Davis	LD10	Lighting Designer	Discount Big Box	Luminaire schedule	General Notes on ballasts are not consistent with the ballasts used in the vignette-no information about the dimming ballasts	Agreement	Content	104	2	4	3.6	4	4	5	4.3	40.2	37.1
T Coughlin	TC14	Utility		Energy Summary	In Energy Summary-- put in a note that this does not account for AC etc.	Clarification	Content	97	3	4	3.8	4	4	5	4.3	41.0	38.8
J Pierce	JP26	?			LPD guidelines for design options are helpful tools to utilize for budgeting the lighting design at the beginning of a project - but tool should not be used as the full "recipe" to design various spaces. Need to be clear that these are estimates and intent is to make end-use aware of issues.	Clarification	Content	97	2	3	2.8	5	5	5	5	41.2	31.3
S Williams	SW7	Retailer	Grocery	Freezer cases vignette	Do you really mean freezer cases or refrigerated cases?	Additions	Content	105	1	4	3.4	5	5	4	4.7	41.8	36.0
B Manning	BM13	?	Grocery	Point-of-Sale	Clarify if or how stock room lighting is entered	Clarification	Content	97	2	5	3.6	5	4	5	4.6	42.0	37.5
B Manning	BM14	?	Grocery	*Stock area	Clarify if or how offices, break rooms or other back-of-house lighting is entered	Clarification	Content	97	2	5	3.6	5	4	5	4.6	42.0	37.5
B Manning	BM15	?	Grocery	*office area	Clarify if or how sub let lease spaces such as bank tenants lighting is entered	Clarification	Content	97	2	5	3.6	5	4	5	4.6	42.0	37.5
J Pierce	JP24	?		Vignettes	Luminaire schedule has a lot of good information - still leary of overall product description as it relates to quality.	Product Selection	Content	91	3	5	4.6	3	4	5	4	42.4	45.1
J Pierce	JP21	?		Vignettes	How do you address product quality? That is - making sure you are comparing equal products?	Product Selection	Content	91	3	5	4.6	3	4	5	4	42.4	45.1
J Linn	JL12	EEPS		Luminaire Schedule	From the luminaire schedule, how can a user get to where they can specify a product? There needs to be a user-friendly translation of the generic specs to a project fixture schedule with catalogue information.	Product Selection	Content	91	3	5	4.6	3	4	5	4	42.4	45.1
G Arnold	GA18	Utility			How do my customers find the products they need to implement these designs? That's very important. We'll need some sort of qualified products list to make it easy for folks.	Product Selection	Content	91	3	5	4.6	3	4	5	4	42.4	45.1
DDeVos	DD16	Retailer		Luminaire Schedule	It would be nice to have a way to "click here" once you get to the end with the luminaire schedule so you can have some catalogue numbers for purchasing. Can you keep a current list of compliant products?	Product Selection	Content	91	3	5	4.6	3	4	5	4	42.4	45.1

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
M Hershman				specialty	Also, there is no reference anywhere regarding the issue of mounting heights. For the general sales area, indicating vertical footcandles as well as horizontal levels would be helpful, but those values, of course, are based on suspension heights. Perhaps an indication of favorable heights would be helpful. With respect to general sales, horizontal light levels between 45-75 footcandles is rather low. This would translate to vertical at eye level of 25-40 which is difficult for small print to read.	Clarification	Content	96	4	4	4	4	5	4	4.4	42.4	40.6
G Subisak	GS6	Manufacturer		Big box discount general sales	Does the retailer like the suspension length? Are the fixtures too low?	Additions	Content	96	4	4	4	4	5	4	4.4	42.4	40.6
J Tuenge	JT11	Core Team	Discount Big Box	POS - Over and Wash 22	Type A has dimming ballast, contrary to Strategy and Controls tabs.	Agreement	Content	104	2	4	3.6	4	5	5	4.7	42.6	37.7
J Pierce	JP22	?		Vignettes	Maintenance issues are a nice addition - need to elaborate	Presentation	Content	95	1	5	4.2	4	5	5	4.7	45.0	42.8
T Betz	TB9	?		Energy Summary	The Vignette Summary "Maintenance Issues" section should be more descriptive regarding cleaning of luminaires. A "damp rag" is vague. A note should be added to consult manufacturer guidelines for cleaning to ensure fixture longevity and maintain warranties.	Clarification	Content	95	1	5	4.2	4	5	5	4.7	45.0	42.8
J Tuenge	JT32	Core Team	Grocery	General/Short - Perpendicular	Type B not indicated in perspective.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT34	Core Team	Grocery	General/Short - Cantilevered	Type D not indicated in perspective.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT40	Core Team	Grocery	Pharmacy - Troffers	Delete ceiling grid in perspective.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT43	Core Team	Grocery	Bakery - Lensed	Type B luminaire shown in perspective is direct/indirect, not lensed.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT44	Core Team	Grocery	Bakery - Baskets w/ pendants	Type C luminaire shown in perspective is lensed, not direct/indirect.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT45	Core Team	Grocery	Bakery - Lensed w/ pendants	Type C luminaire shown in perspective is direct/indirect, not lensed.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT35	Core Team	Grocery	General/Long - Parallel	Skylights not shown in perspective.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT35	Core Team	Grocery	General/Long - Parallel	Incorrect housing/location shown for type B in perspective.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT37	Core Team	Grocery	General/Long - Cantilevered	Type C in perspective should be type D.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3
J Tuenge	JT41	Core Team	Grocery	Pharmacy - Pendants	Delete ceiling grid in perspective.	Missing/Formatting	Content	90	2	5	4.4	5	4	5	4.6	45.2	44.3

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
L Davis	LD17	Lighting Designer	Pharmacy	Luminaire schedule	Different fixtures are shown in schedule but not in plan not description	Database fill Problem	Content	TBD	1	2	1.8	2	4	4	3.4	27.6	20.4
L Davis	LD15	Lighting Designer	Pharmacy	Vignette Summary	Nighttime dimming shows up under Control Strategy but was not selected; I revised one area to include daylight dimming & nighttime dimming still shows up.	Download Process	Content	25	2	3	2.8	4	4	4	4	35.2	29.8
N Miller	NM27	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	LLF for tungsten is 90-95%, fix that in implementation instructions.	Design Consideration	Content	75	1	4	3.4	2.6	4	5	3.88	36.9	34.7
L Davis	LD5	Lighting Designer	Discount Big Box	Vignette Details	Concept - Correct 3rd bullet point (4th & 5th are parts of 3rd)	Database fill Problem	Content	75	2	3	2.8	4	4	5	4.3	37.0	30.3
J Linn	JL6	EEPS		Download-Vignette Summaries/Implementation	Why is there so little information in the controls chart?	Inclusions	Content	22	3	3	3	5	4	4	4.3	37.8	32.0
G Subisak	GS10	Manufacturer		Controls PDF	The controls guidance about the occupancy sensors is confusing. It doesn't tell you whether you are dimming or turning them off. Be careful about turning them off. Think about a lift truck entering an aisle for stocking with no light. Run this past the retailers to see their willingness to use this strategy.	Validation	Content	105	1	3	2.6	4	5	5	4.7	38.6	29.2
K Abernathy	KA23	Lighting Designer		Luminaire Schedule	Shouldn't this be called a performance spec? Or shouldn't there be some characterization of how this should be used? This is not a complete design, and shouldn't be misinterpreted as such. There should probably be a note to the user in every download.	Inclusions	Content	83	3	5	4.6	4	5	5	4.7	46.6	46.2
G Arnold	GA15	Utility		Vignette Summary and Implementation Instructions	It will be important to provide an index/TOC for the implementation packet because it's very long. Make sure you clarify the difference between summaries and implementation instructions.	Inclusions	Download Material	4	3	3	3	2	2	2	2	24.0	28.5
N Gordon	NG6	?		Vignette Summaries and Implementation Instructions	Standard schedule might not be applicable for all projects.	Download Process	Download Material	31	1	2	1.8	4	4	5	4.3	33.0	21.8
G Arnold	GA14	Utility		Energy Summary	You could add more to the energy summary. Percent below code by space type. Control percent savings, per strategy. Load profiles would be especially important for conveying demand response opportunities. Much more could be added, but there is a balance between data and visual simplicity. Consider an Energy Summary table like the slide you used at Greenbuild. It speaks to the engineer, I'm looking for that kind of information.	Inclusions	Download Material	87	2	5	4.4	2	3	3	2.7	33.8	41.5
N Ferzacca	NF15	Designs			The energy summary should show the kWh per vignette. It's important to see the impact of controls for each vignette. With a focus so strongly on kWh folks won't be able to see the impact clearly enough if they are only looking at the bottom line.	Inclusions	Download Material	87	2	5	4.4	2	3	3	2.7	33.8	41.5
J Linn	JL9	EEPS		Download-Vignette Summaries/Implementation	There is a blurb at the end of each implementation and summary that is not supposed to be there, a repeat from above.	Database fill Problem	Download Material	67	1	5	4.2	3	3	3	3	34.8	40.2
G Arnold	GA17	Utility		Luminaire Schedule	Luminaire schedule was very long, many types. Can you provide a schedule that only shows the luminaires that I need?	Inclusions	Download Material	29	2	3	2.8	5	4	3	4	35.2	29.8
C DiLouie	CD22	Manufacturer			Suggest getting rid of word "vignette" in the "vignette summaries." It's not a vignette, it's a choice. I've chosen a template and it is now my lighting choice, no?	Text Alterations	Download Material	67	1	2	1.8	5	5	5	5	37.2	22.8

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
G Subisak	GS22	Manufacturer		Vignette Summaries & Implementation Instructions	The spacing dimensions in the implementation instructions are too small to read.	Database fill Problem	Download Material	114	2	4	3.6	3	4	5	4	38.4	36.6
C DiLouie	CD24	Manufacturer			Question: Why is example documentation needed? Generally, if somebody is at this page, they have already made lighting choices, producing actual documentation? (The user's choices become its own example?)	Inclusions	Download Material	85	2	3	2.8	5	5	5	5	41.2	31.3
B Hamilton	BH29	Core Team	Specialty Market	Luminaire Schedule	Fixture RML4s - also has a misword -- injection "molded" not mounted. This shows up in RLM4 and RML6 units.	Text Alterations	Download Material	75	1	4	3.4	4	5	5	4.7	41.8	36.0
G Subisak	GS20	Manufacturer		Vignette Summaries & Implementation Instructions	How are you going to convey the photometric specs in the implementation instructions? You will need to make sure you use a disclaimer to make sure that folks don't abuse this. Someone could take the curve and provide a fixture that looks the same but isn't. Have some language about calculations, and fixture performance. Will you be linking to the tool that verifies .ies files?	Inclusions	Download Material	91	3	5	4.6	3	4	5	4	42.4	45.1
G Subisak	GS21	Manufacturer		Vignette Summaries & Implementation Instructions	Could there be a way to deal with proposed substitutions of equipment that doesn't perform photometrically or energy-wise? Double-edged sword, because the photometrics are only part of the story, the calcs are still necessary. But it could help to push back the VE process, to a point.	Inclusions	Download Material	91	3	5	4.6	3	4	5	4	42.4	45.1
J Linn	JL10	EEPS		Download-Vignette Summaries/Implementation	Shows null in one of the Quicktips sections.	Database fill Problem	Download Material	113	1	5	4.2	4	4	5	4.3	42.6	42.2
B Hamilton	BH23	Core Team	Specialty Market		Perhaps you should get rid of the example documentation now? It shows up before the download links and says that the documentation is not related to the vignettes that you pick. This creates disappointment even though in reality the custom documentation is loading to the links.	Inclusions	Download Material	85	3	4	3.8	5	5	5	5	45.2	39.8
G Arnold	GA16	Utility		Luminaire Schedule	If someone were to look at the luminaire schedule first, before seeing the implementation instructions, they would not know why the luminaire labels are different, and how to match them up. Put an explanation- "how to use this schedule"- at the beginning of the luminaire schedule.	Inclusions	Download Material	83	3	5	4.6	4	5	5	4.7	46.6	46.2
J Linn	JL11	EEPS		Download-Vignette Summaries/Implementation	An explanation is needed about why the luminaire labels have changed from A, B, C to RMC1s, etc. Perhaps a letter in-between the summaries and implementation guidance? Or a summary of the contents of the packet at the beginning? Maybe a "how to use this info" added to the introduction.	Inclusions	Download Material	83	3	5	4.6	4	5	5	4.7	46.6	46.2
B Manning	BM23	?	N/A	-	Consider incorporating PDF compression technology or specifying a slightly lower resolution for the file. When downloaded the 'Vignette' File size was 10.2 MB. After reprinting the same file at a slightly lower resolution using the PDF composer utility the file size was reduced to about 2.9 MB.	Download Process	Download Materials	114	2	3	2.8	2	2	2	2	23.2	26.8
J Tuenge	JT22	Core Team	Discount Big Box	PDF-Vignette Summaries and Implementation Instructions	If controls are to be listed for each vignette they should be specific to each vignette, not simply the same set repeated over and over.	Inclusions	Download Materials	80	1	4	3.4	2	2	2	2	25.6	31.9
J Tuenge	JT23	Core Team	Discount Big Box	PDF-Vignette Summaries and Implementation Instructions	"Vignette Implementation" header isn't indented.	Database fill Problem	Download Materials	68	1	3	2.6	5	5	5	5	40.4	29.6

Committer ID #	Ref #	Committer Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
J Tuenge	JT21	Core Team	Discount Big Box	PDF-Vignette Summaries and Implementation Instructions	Delete page between POS and Product Display that shows headers for each. Or were the controls supposed to show up here? Seems the next page's header shows up at the end of each section. (See Sheet3 review tab.)	Database fill Problem	Download Materials	75	1	5	4.2	4	4	5	4.3	42.6	42.2
J Tuenge	JT25	Core Team	Discount Big Box	PDF-Vignette Summaries and Implementation Instructions	"null" text should not be displayed, e.g. project name and quick tips (the latter subject should not appear at all if empty)	Database fill Problem	Download Materials	113	1	5	4.2	4	4	5	4.3	42.6	42.2
J Tuenge	JT26	Core Team	Discount Big Box	PDF-Vignette Summaries and Implementation Instructions	Luminaire labels in figures changed from A or B to RBLxx.	Agreement	Download Materials	83	3	5	4.6	4	5	5	4.7	46.6	46.2
J Tuenge	JT28	Core Team	Discount Big Box	Luminaire Schedule PDF	Types and descriptions in schedule don't match what was specified....	Agreement	Download Materials	83	3	5	4.6	4	5	5	4.7	46.6	46.2
J Tuenge	JT18	Core Team	Discount Big Box	Energy Summary PDF	Change Nighttime dimming description from "Non-daylight dimming" to "Dim electric lighting to accommodate nighttime visual adaptation level."	Text Alterations	Download Materials	25	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT20	Core Team	Discount Big Box	Energy Summary PDF	Change "Occupancy Sensors" description from "Occupancy Sensors" to "Dim or switch electric lighting when associated areas are vacant."	Text Alterations	Download Materials	25	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT24	Core Team	Discount Big Box	PDF-Vignette Summaries and Implementation Instructions	Delete quotes at beginning and end of Assumptions and delete "a" from "design include a dimensions"	Text Alterations	Download Materials	69	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT19	Core Team	Discount Big Box	Energy Summary PDF	Is "Switching during stocking" really "Pre/Post Stocking"?...	Text Alterations	Download Materials	75	1	5	4.2	5	5	5	5	46.8	43.2
J Tuenge	JT17	Core Team	Discount Big Box	Energy Summary PDF	PDF filename is defaulted incorrectly to "Implementation"	Download Process	Download Materials	114	2	5	4.4	5	5	5	5	47.6	44.9
G Arnold	GA1	Utility		Downloads	I was not able to see the Vignette Summary and Implementation Instructions packet. Energy Summary and Luminaire Schedule opened fine, but the middle link was NG.	Download Process	Functionality	TBD	1	4	3.4	4	4	4	4	37.6	34.9

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
V Barr	VB5	State			Once the project is identified, the user is moved to the vignettes pages. The use can, in some instances select a lighting scenario for layout and the vignette details provide a perspective drawing and plan view of the archetype. The narratives appear well informed, but I found having selected the 2006 IECC Code (as opposed to the ASHRAE options provided, by way of example) that information on power density is provided (watt/s.f.). In the New York Building Code, minimum luminosity requirements are specified and I wonder if a similar correlation should be made here depending upon the user's selection. That is, instead of watts-per-square-foot (power density) perhaps the vignette description and code selection should reflect what the code requires, i.e. 10 foot-candles or 107 lux is NY based on the IBC.	Design Consideration	Content	LT	1	2	1.8	2	3	2	2.4	21.6	18.9
L Davis	LD34	Lighting Designer	Specialty Market	Vignette Details - Barista	Luminaires do not match concept description (what is here matches cafe) Why not use all CFLs here to minimize lamp types, allow dimming etc rather than bring in the MH downlight?	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
L Davis	LD18	Lighting Designer	Pharmacy	Luminaire schedule	Occ Sensor strategy chosen - fixtures shown with dimming ballasts & IS ballasts - better to use PS ballasts with the latest ballasts now available.	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
L Davis	LD27	Lighting Designer	Grocery Store	Luminaire schedule	some FL ballasts are IS and some are RS - Occ sensors selected as strategy; other store types recommend PS ballasts; Ballast efficiency listed here not in any other luminaire schedule - have never used this, have used BEF to select ballasts; numbered notes are more detail oriented than for other store types - wonder if these are beyond the scope of this project.	Design Consideration	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
M Hershman				specialty	The main problem with this type of "design assistant" is that the number of systems offered are limiting and with a high ambient condition of groceries, no one can effectively use fiberoptics for over a case with any significant main-beam candela output. It's suggested in a couple of instances and pigeon-holes the design.	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
N Miller	NM2	Lighting Designer	Specialty Market	Barista	I would pick a CFL rather than a CMH for the barista pendants. (I think the early descriptive info names a CMH pendant, but I'm not sure that's what's in the Vignette fixture schedule.)	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
N Miller	NM7	Lighting Designer	Specialty Market	Barista	Take a look at the luminous linear pendant fixture, might be too bright, not the right distribution to produce the lumpy-lighting atmosphere described in the intro?	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
N Miller	NM21	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Why do we want a spot distribution? Should be a flood, especially since most CMH floods are only 25 to 30 degrees anyway.	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
N Miller	NM9	Lighting Designer	Specialty Market	Barista	Industrial low bay has two lamps, why is that? Two lamps implies a very large pendant, an uneven light distribution if one lamp is shut off for a lower light level, and probably too much light for a cafe atmosphere when both are on. It says CFL in the luminaire chart but says CMH in the description.	Luminaire Changes	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
N Miller	NM22	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Do we really want cast aluminum housing? Reader may be confused about why cast aluminum is important.	Design Considerations	Content	112	1	3	2.6	2	2	3	2.3	24.2	25.6
M Hershman			grocery	general sales	I realize this is only a beginning tool and can't answer all questions or offer all desing possibilities, but the design possibilities should have been screened better for viability.	Validation	Content	TBD	1	3	2.6	3	2	2	2.3	24.2	25.6

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
J Pierce	JP10	?			Would be nice to have a custom option - build your own space. There are items included that may or may not be in each store.	Webtool changes	Content	62	3	4	3.8	2	2	2	2	27.2	35.3
N Ferzacca	NF9	Designs	Grocery	Grocery Key Plan	Specialty seems to be a catch all phrase, but it's only one design, and it's not entirely clear what you mean by it. What about adding an "other" space so you can add designs or areas that aren't represented in your key plan? What about back of house spaces? YOU need to give a way to at least enter the energy load and SFage info so the energy projection isn't skewed	More Space Types	Content	62	3	4	3.8	2	2	2	2	27.2	35.3
S Stutzman	SS7	Retailer	Specialty Market	Key Plan	We have some sections of the store that is not shown on the key plan. How would I enter my health and beauty section? Can you create an "other" category that would allow me to enter something that you may not have a design option for?	More Space Types	Content	62	3	4	3.8	2	2	2	2	27.2	35.3
N Ferzacca	NF17	Designs			You should be modeling the savings, plus or minus, related to toplighting. Whole building analysis will be needed.	Daylighting Guidance	Content	LT	3	4	3.8	2	2	3	2.3	29.0	35.8
V Barr	VB10	State			Skylights are often problematic, as you know, from snow-loading diminishing the light penetration and their leaky nature requiring constant upkeep. They are generally most effective sited over the aisles instead of over the display cases so the light cone illuminates the contents of the shelves and cases instead of the floor, as is done in some vignette scenarios.	Daylighting Guidance	Content	106	1	3	2.6	3	3	4	3.3	30.2	27.1
L Davis	LD8	Lighting Designer	Discount Big Box	Vignette Details	Luminaires B-Description of valence states T5HO but lamp description later in paragraph is for T8 lamps (F32T8/835); my clients would prefer to use all same lamp type for general & cashier.	Design Consideration	Content	112	1	3	2.6	3	4	4	3.7	32.6	27.7
N Miller	NM26	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Can we put the remote ballast in the canopy so it's not remote? Remote ballasts are a pain in the neck for a commercial installation.	Design Considerations	Content	112	1	3	2.6	3	4	4	3.7	32.6	27.7
D Oshinski	DO9	Retailer	Big Box Discount	Controls strategies	We have had trouble with skylights. Leaking at first. But more importantly, the racks are so high, and they will move around over time, that we end up with racks under skylights. Sometimes we will put skylights in for LEED, but we end up losing savings with the reconfiguration. Do photocells know when the racks are in the way? Are lights on or off when they shouldn't be	Design Consideration	Content	LT	1	3	2.6	3	4	4	3.7	32.6	27.7
J Tuenge	JT62	Core Team	Specialty Market	Produce - both options	Skylights over produce?...	Design Considerations	Content	LT	1	3	2.6	3	4	4	3.7	32.6	27.7
G Subisak	GS12	Manufacturer		Download page	The 60% range of energy savings is going to be too limited. Your scale should change. The big box design that I did was already up to 57% savings.	Additions	Content	LT	1	4	3.4	3	4	3	3.4	34.0	34.0
L Davis	LD24	Lighting Designer	Grocery Store	Bakery - Lensed troffers & Downlights vignette	Not consistent quality in types- lensed troffer is economical; FO is high end - not usually combined. I would have expected CFL downlighting or MR16 for high end. Not complete - Missing concept & criteria paragraphs	Additions	Content	112	1	5	4.2	3	3	3	3	34.8	40.2
L Davis	LD33	Lighting Designer	Specialty Market	Vignette Details - GS Both	Ballast efficiency listed - again should this be BEF or system efficacy	Validation	Content	105	1	4	3.4	3	4	4	3.7	35.8	34.5
L Davis	LD9	Lighting Designer	Discount Big Box	Vignette Docs	Quick tip about "lighting produce" - should this be here?: LLF for fluorescent sources = 0.761 seems low with a BF of 1.0 and high LLD for today's FL lamps.	Design Consideration	Content	112	1	4	3.4	3	4	4	3.7	35.8	34.5
N Miller	NM13	Lighting Designer	Specialty Market	Barista	Type C in the Barista has an efficiency of 37% for the CFL recessed downlight, that's an appallingly low efficiency, even though I know some CFL fixtures are that poor. Shoot for 50-60% instead?	Luminaire Changes	Content	112	1	4	3.4	3	4	4	3.7	35.8	34.5

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
G Subisak	GS9	Manufacturer		Big box discount general sales	Check the savings levels in the nighttime dimming PDF description. Will the nighttime dimming only be 1-5%? If it's 20% or thereabouts, noone will even notice that.	Validation	Content	110	1	3	2.6	4	5	4	4.4	36.8	28.7
S Williams	SW8	Retailer		Controls	Stocking savings at Target is 75%, not just 50%. Maybe we should offer that option.	Design Considerations	Content	110	1	3	2.6	4	5	4	4.4	36.8	28.7
DDeVos	DD7	Retailer		vignettes	Design ideas for a Kohl's store. General ambient light, supplement perimeter light, wallwashing at perimeter increases sales. Strike points, where walkways intersect--illuminated with CMH track display fixture. It will be important for stores of this type to figure out how to allow people to pick this kind of vignette idea, how do you characterize this as a vignette when it's so small. Maybe it's not a square footage--maybe it's a quantity over a given area	Design Consideration	Content	LT	1	4	3.4	4	3	5	3.9	37.0	34.8
N Miller	NM20	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Type A, spun matte aluminum? This sound like it's describing the wrong fixture. Doesn't have to be aluminum, can be steel. Color is designated differently in this description. Punctuation needed between Low Mercury and CCT. Lamps on/off are step switching, not dimming, but then the ballast is specified as a dimming ballast.	Luminaire Changes	Content	112	1	4	3.4	4	4	4	4	37.6	34.9
B Manning	BM12	?	Grocery	General Sales:	Checkout areas may also utilize HID High-bay fixtures.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
B Manning	BM8	?	Grocery		Add design option for Pharmacy with hard lid ceiling and surface mounted light fixtures. Pharmacies often utilize a "hard lid" ceiling for security.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
B Manning	BM11	?	Grocery	General Sales: Short Aisles	long or short Aisles may also utilize HID High-bay fixtures.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
D Oshinski	DO4	Retailer	Big Box Discount	General sales, Luminaires oriented perpendicular to shelves	The big box discount only has an option that is perpendicular to shelves, there should be an option for lighting that is parallel to (in between) shelving. Any one with high racking needs to do it that way.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	
G Subisak	GS5	Manufacturer		Big box discount general sales	There should be more designs on the big box stores. Why is there no HID solution? Consider CMH with electronic ballast, with dimming.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
G Subisak	GS7	Manufacturer		Big box discount general sales	It will be critical to add designs to this webtool. You will not get significant usage unless your vignette list is more diverse.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
J Linn	JL1	EEPS	Specialty Market		In some cases there is only one vignette option, more diversity would be better	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
L Coyan	LC3	?		https://www.lighting-solutions.org/com/lighting/main.htm#2	More options for lighting would be nice. If there was a way to only select track and not the wall mounted valences, it would be helpful. The track also looked like it was centered around the skylights versus any type of display.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
L Davis	LD4	Lighting Designer	Discount Big Box	General Sales	Only one vignette available - helpful to add MH downlight option	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
L Davis	LD25	Lighting Designer	Grocery Store	Freezer Cases	Need a vignette that matches the Center Aisles - in many markets these cases are located in the middle of the store with long aisles on each side. Not necessary IMO to light with pendants - not clear on the benefits of this strategy for the basic grocery.	Design Consideration	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
M McAteer	MM1	Utility			We need more designs within retail. CMH solution medium box. Department stores. Kmart. Warehouses.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
M McAteer	MM2	Utility			We need offices!!! ASAP. This would be our biggest need, and of most use to our customer base.	More Building Types	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
M McAteer	MM3	Utility			When will you be adding schools? That is big part of our market!	More Building Types	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
N Ferzacca	NF10	Designs		Vignettes	It will be important to add more diversity of designs, different approaches such as pendant prismatic CMH in box retail is often used.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
N Gordon	NG1	?	Grocery Store		There doesn't seem to be very many options to choose from.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
N Miller	NM1	Lighting Designer	Specialty Market	Barista	Better if you have more than one option for vignettes.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
S Slutzman	SS16	Retailer			There may be some ideas from the Lakewood store that could be added in as new vignettes.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
S Williams	SW5	Retailer		Project Description	You should add a store type that has a dropped ceiling design.	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
V Barr	VB1	State			The building types are strictly limited, I would expect (or at least hope for) expansion in the future. No options for assembly spaces, motels/hotels, etc. etc	More Vignettes	Content	LT	4	5	4.8	3	2	5	3.2	38.4	45.6
G Arnold	GA5	Utility		Grocery Vignettes	I'm surprised the LPDs aren't lower. Are you using light levels on the high end?	Validation	Content	110	1	3	2.6	4	5	5	4.7	38.6	29.2
S McDonald	SM15	Generalist		Vignette Details	This is all informational and static...which I guess is the intent. You are TELLING ME what to do, right?...the optimal way of doing things?	Validation	Content	105	1	4	3.4	4	4	5	4.3	39.4	35.4
V Barr	VB11	State			The point-of-sale checkout overhead plan diagram shows fluorescent pendants hung over the cashiers and includes the statement that cashiers need a large amount of task light. Wouldn't hanging the pendants over the aisles allow the light cone to illuminate the cashiers with the added advantage of lighting cone overlap from adjacent pendants?	Design Consideration	Content	105	1	4	3.4	4	4	5	4.3	39.4	35.4
D Oshinski	DO8	Retailer	Big Box Discount		How do I add spaces into this process if I have a space that is not one of your vignettes? There are many spaces besides customer areas that could save energy.	More Space Types	Content	LT	4	4	4	4	3	5	3.9	39.4	
D DeVos	DD9	Retailer		vignettes	Can you provide some case lighting ideas? Jewelry cases, for instance.	More Space Types	Content	LT	4	4	4	4	3	5	3.9	39.4	39.9
L Coyan	LC9	?			I like the various design vignettes, but none address the non-public areas such as receiving docks, offices, etc. There are opportunities to save energy in the supporting areas as well as the sales areas.	More Space Types	Content	LT	4	4	4	4	3	5	3.9	39.4	39.9
S Williams	SW6	Retailer	Grocery		You should add detailed specs for refrigerated cases. Even though it's not considered part of the 90.1 savings, it saves energy.	More Space Types	Content	LT	4	4	4	4	3	5	3.9	39.4	39.9
G Arnold	GA6	Utility		Energy Analysis	How are you dealing with Additional Lighting Power Allowance in display areas, in the energy analysis engine, baseline vs. lighting solutions?	Validation	Content	105	2	4	3.6	4	4	5	4.3	40.2	37.1
L Coyan	LC1	?	Grocery		How is the track lighting calculated? It shows watts per square foot. Per the energy code, it needs to be calculated at 30W/lf. Is the estimate based on this number?	Validation	Content	105	2	4	3.6	4	4	5	4.3	40.2	37.1
L Davis	LD29	Lighting Designer	Specialty Market	Vignette Details- General Sales Luminaires parallel to shelves	Criteria - range is very broad (45-75 fc) would recommend narrowing because the max & min would result in different w/sf solutions; state what this means (ave maintained, initial, max-min for a mid range?):	Design Consideration	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2
L Davis	LD6	Lighting Designer	Discount Big Box	Vignette Details	Criteria - range is very broad (45-75 fc) would recommend narrowing because the max & min would result in different w/sf solutions; state what this means (ave maintained, initial, max-min for a mid range?):	Design Consideration	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2
L Davis	LD19	Lighting Designer	Grocery Store	Vignette Details- General Sales Long Aisles (all 3 vignettes), POS vignettes, Short Aisles (all 3 vignettes)	Criteria - range is very broad (45-75 fc) would recommend narrowing because the max & min would result in different w/sf solutions; state what this means (ave maintained, initial, max-min for a mid range?):	Design Consideration	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2
L Davis	LD21	Lighting Designer	Grocery Store	Produce Vignette Track Ltg	100-150 FC may damage produce (cmh downlights over oranges display in local market caused fruit to warm - customers don't want to buy warm fruit or produce.	Design Consideration	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2
L Davis	LD11	Lighting Designer	pharmacy	Vignette	Criteria - range is very broad (45-75 fc - review in RP-2, range covers two types of retail if this is the general level) would recommend narrowing because the max & min would result in different w/sf solutions; state what this means (ave maintained, initial, max-min for a mid range?):	Design Consideration	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
L Davis	LD35	Lighting Designer	Specialty Market	Vignette Details - Produce	100-150 FC may damage produce (cmh downlights over oranges display in local market caused fruit to warm - customers don't want to buy warm fruit or produce.	Design Consideration	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2
N Miller	NM18	Lighting Designer	Specialty Market	Track lighting highlighting produce (linear fluorescent)	Is the product accent illuminance too high? I would say 50-100 fc rather than 100 - 150 fc.	Design Considerations	Content	109	2	4	3.6	5	5	3	4.4	40.8	37.2
G Subisak	GS8	Manufacturer		Big box discount general sales	In a big box store, I would expect the daylighting savings to be greater. When I hit the controls strategy for daylighting it only changed 5%. Double check the savings calculations.	Validation	Content	110	1	4	3.4	5	5	4	4.7	41.8	36.0
J Tuenge	JT54	Core Team	Pharmacy	General Vignettes	I believe this is the only instance of parallel outperforming perpendicular.	Validation	Content	110	1	4	3.4	5	5	4	4.7	41.8	36.0
G Arnold	GA4	Utility	Grocery	Grocery Vignettes	Are we sure that we want to limit users to a max of 3500K? 4100K looks good with daylight, and most of these designs have skylights.	Design Consideration	Content	111	4	4	4	4	4	5	4.3	41.8	40.5
N Miller	NM6	Lighting Designer	Specialty Market	Barista	Expand the color range to 4100K	Design Consideration	Content	111	4	4	4	4	4	5	4.3	41.8	40.5
V Barr	VB8	State			In the NY code, there is a daylighting minimum prescribed. Designers will want to exceed this minimum to the extent practicable, but the webtool only uses skylights. There doesn't seem to be consideration given to other daylighting strategies like interior reflective surfaces and variable shelving/display case heights.	Daylighting Guidance	Content	107	4	5	4.8	4	4	5	4.3	45.0	47.3
L Davis	LD12	Lighting Designer	Pharmacy	Center Aisles - Continuous Row Vignette	T8 lamp code is GE trade name, should be generic.	Luminaire Changes	Content	108	3	5	4.6	4	5	5	4.7	46.6	46.2

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY			RANKING		
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/ Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
B Hamilton	BH5	Core Team			I like the way it looks. Clean, simple, accessible. The simplicity of the design helps me to understand how to use it. Too much information would be intimidating/confusing.		Ease of use/flow		0	0	0	0	0	0	0	0.0	0.0
B Hamilton	BH32	Core Team			Great tool with wide reaching possibilities. Really look forward to the additional sectors of application, like Office and Healthcare. Thanks for going to such efforts to educate and stimulate efficiency.		General		0	0	0	0	0	0	0	0.0	0.0
B Manning	BM5	?	N/A	All user input screens	Overall I liked the Design and appearance of the user input screens presented.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
C DiLouie	CD10	Manufacturer		All pages	I love the uncluttered, clean, very pleasing and simple look to the Tool. However, there could be a little branding. Right now I have no idea who operates the site, who's funding them, why're they're doing it, or how to get in touch with them (except for the Beta notice).		Content		0	0	0	0	0	0	0	0.0	0.0
C DiLouie	CD20	Manufacturer			The lighting schedule is cool.		Download Material		0	0	0	0	0	0	0	0.0	0.0
C DiLouie	CD23	Manufacturer			I like the Luminaire Schedule.		Download Material		0	0	0	0	0	0	0	0.0	0.0
G Arnold	GA2	Utility			Graphics are great.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
G Arnold	GA3	Utility			Screens are simple, that's a good thing.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
G Arnold	GA13	Utility		Energy Summary	Very nice. Look and feel is excellent.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
G Subisak	GS3	Manufacturer			I like the look of the webtool. Graphics are good. Nice representation of the way a store looks, good work with the drawings.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
G Subisak	GS14	Manufacturer			I like the flow.		Ease of use/flow		0	0	0	0	0	0	0	0.0	0.0
G Subisak	GS15	Manufacturer			I like the way the screen moves left as you hit next.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
G Subisak	GS19	Manufacturer		Vignette Summaries & Implementation Instructions	I like the auto-feed documentation. This is very quick.		Download Material		0	0	0	0	0	0	0	0.0	0.0
H McKay	HM5	Lighting Designer			Perspectives are very helpful.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
J Linn	JL2	EEPS	Specialty Market		Text descriptions are well laid out.		Content		0	0	0	0	0	0	0	0.0	0.0
J Linn	JL5	EEPS		Download- Energy Summary	Energy summary layout is nice, readable, right level of detail. Useful info. Loads fast, cool to see the info so immediately.		Content		0	0	0	0	0	0	0	0.0	0.0
J Linn	JL8	EEPS			Graphics are excellent, really effective.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
J Linn	JL13	EEPS			Flow of the webtool is good. Easy to understand, logical and easy to understand.		Ease of use/flow		0	0	0	0	0	0	0	0.0	0.0
J Linn	JL14	EEPS			Aesthetics are very good.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
J Pierce	JP4	?			Website looks nice. Renderings of vignettes are good. Fairly easy to navigate through.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
K Abernathy	KA4	Lighting Designer			I like the appearance. I especially like the perspectives and plan. I like seeing the thumbnails before looking at the detailed vignette.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
K Abernathy	KA5	Lighting Designer			It's good that it's simple and clean. Don't make it any fancier!! It could get overcomplicated very quickly, but this amount of detail is good.		General		0	0	0	0	0	0	0	0.0	0.0
L Coyan	LC5	?			The site flows easily from one to the next step and back if necessary.		Ease of use/Flow		0	0	0	0	0	0	0	0.0	0.0

Commenter ID #	Ref #	Commenter Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY			RANKING		
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/ Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
L Coyan	LC6	?			The download materials have a lot of information. It is very generic, but the intent is to get ideas on how to design an energy efficient space.		Download Materials		0	0	0	0	0	0	0	0.0	0.0
L Coyan	LC8	?			The maintenance and operation section provides good information regarding lamp types and performance.		Download Material		0	0	0	0	0	0	0	0.0	0.0
M Hershman					The perspective and color rendering helps in conjunction with the plan to identify the type of solution for end-users not knowing what these lighting elements are.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
M Hershman			Grocery		The calculator at the bottom of the page is quite helpful.		Content		0	0	0	0	0	0	0	0.0	0.0
N Ferzacca	NF5	Designs			The look and feel is very nice, intuitive, flows well.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
N Gordon	NG2	?	Grocery Store	Vignettes	The program is visually appealing.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
N Gordon	NG4	?	Grocery Store		Tool is very intuitive and easy to use.		Ease of use/Flow		0	0	0	0	0	0	0	0.0	0.0
N Gordon	NG5	?	Grocery Store		Provides good general information to help with design.		Content		0	0	0	0	0	0	0	0.0	0.0
N Gordon	NG7	?		Luminaire Schedule	Very straight forward and easy to understand.		Content		0	0	0	0	0	0	0	0.0	0.0
S McDonald	SM8	Generalist			I like the progress bar at the bottom. Very helpful...though right now it is just showing 60% as the end point, not 100%.		Ease of Use/Flow		0	0	0	0	0	0	0	0.0	0.0
S McDonald	SM9	Generalist		Project Description	I like that the Project title instantly appears above.		Content		0	0	0	0	0	0	0	0.0	0.0
S McDonald	SM11	Generalist			I like the format for the popup when you create an account. Very clean.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
S McDonald	SM12	Generalist			Very flashy. I like the WIPE when I press the NEXT button. Consider adding a PREVIOUS button to get around BACK button issue.		Ease of use/Flow		0	0	0	0	0	0	0	0.0	0.0
S Stutzman	SS2	Retailer	Specialty Market	Luminaires oriented parallel to shelves	Graphics are easy to understand. Highlighted yellow lighting makes it stand out well.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
S Stutzman	SS5	Retailer	Specialty Market	Luminaires oriented parallel to shelves	Likes the explanation about daylighting.		Content		0	0	0	0	0	0	0	0.0	0.0
S Stutzman	SS14	Retailer		Vignette Summaries & Implementation Instructions	Looks good. Lots of info, I will get my lighting folks (e.g., Chris and Shawna) to spend more time with the webtool and download materials.		Download Materials		0	0	0	0	0	0	0	0.0	0.0
S Stutzman	SS15	Retailer			There will be less new construction than there has been in the past. In 2009 we are looking for retrofit opportunities in the near term, in existing buildings. But the tool shouldn't be restricted by this, because the recession won't last.		General		0	0	0	0	0	0	0	0.0	0.0
S Stutzman	SS13	Retailer		Energy Summary	The auto-feed Energy Summary is great. Looks great, very cool.		Download Materials		0	0	0	0	0	0	0	0.0	0.0
T Betz	TB8	?		General	The Energy Summary is simplistic, but is easy to read and has a logical layout. The information provided is a good starting point for an owner to begin an energy evaluation.		Ease of use/Flow		0	0	0	0	0	0	0	0.0	0.0
T Betz	TB10	?		Vignette Summary	Assumptions provided such as reflectances and LLF's is very good for the designer who will need to translate this information to the actual project design.		Content		0	0	0	0	0	0	0	0.0	0.0
T Betz	TB11	?		Vignette Summary	Is very informative regarding the fixtures chosen. Much relevant information is shown and would be a good starting point for a client to begin design discussions with the lighting designer and engineer.		Content		0	0	0	0	0	0	0	0.0	0.0
T Coughlin	TC7	Utility			I like the aesthetics-- looks slick.		Apperance/Aesthetics		0	0	0	0	0	0	0	0.0	0.0
V Barr	VB2	State			The general user interface is pretty good. I found it easy to open an account start a new project, load one of my previously created projects and log out.		Ease of use/flow		0	0	0	0	0	0	0	0.0	0.0

Committer ID #	Ref #	Committer Category	Store Type (if applicable)	Reference webpage or other location (see "Reference.doc")	Comment Description: Issues, Suggestions & Requests	Action/Solution	Comment Type	Status or Ticket #	IMPORTANCE			FEASIBILITY				RANKING	
									Frequency (20%)	Importance of comment (40%)	Sum (100%)	Ease of Implementation (30%)	Duration (40%)	Risk/ Complication (30%)	Sum (100%)	Short Term (40% Important) (60% Feasible)	Long Term (85% Important) (15% Feasible)
V Barr	VB14	State			It provides some good information, but won't account for the peculiarity of unique design situations like the retrofit of older buildings (most of the vignettes feature exposed bar-truss ceilings of great height - will you find this in older urban buildings?).		Content		0	0	0	0	0	0	0	0.0	0.0
V Barr	VB12	State			From the design perspective, I like some of the luminaire choices like cantilevers in the aisles and pendants at point-of-sale or specialty spaces.		Content		0	0	0	0	0	0	0	0.0	0.0